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1 UNITED STATES OF AMERICA
2 NUCLEAR REGULATORY COMMISSION

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4 JAPAN'S FUKUSHIMA DAIICHI ET AUDIO FILE

5 + + + + +

6 MONDAY

7 MARCH 14, 2011

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(CONFERENCE CALL INITIATED)

00:00:00/00:3:09

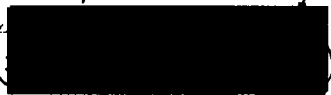
MALE PARTICIPANT: Josh, you there?

JOSH BASKIN: Yes, sir. How are you?

MALE PARTICIPANT: Good. How are you
doing?

JOSH BASKIN: Good. I wasn't sure you
were checking your email.

MALE PARTICIPANT: I wasn't.

JOSH BASKIN: Okay, please do. The
Chairman sent, forwarded you a message from, that he
received  asking for an update on
the explosion.

MALE PARTICIPANT: Okay.

JOSH BASKIN: He has information. I
understand Embassy Tokyo is (inaudible) NISA, so the
outer structure damage, anything more, and the
Chairman requested that we provide information to
the group on the email if necessary, especially from
NRC on the ground.

So, if we have anything from Jim or Tony
that is, you know, more specific or more confirmed,
then you can email that group. And it is a pretty,
it is a very high-level group. So, you know, we

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1 would need to be sure and clear and concise.

2 MALE PARTICIPANT: Yeah. So the

3 Chairman wants us to respond to that email [REDACTED]

4 [REDACTED] and copy him?

5 JOSH BASKIN: Yeah. It looks like the
6 message to you from him says, if we get info, please
7 provide to this group if necessary, especially from
8 NRC on the ground.

9 MALE PARTICIPANT: Yeah, we have that
10 information.

11 MALE PARTICIPANT: We did get
12 information back from Tony and crew, so we can
13 confirm that containment has not been damaged.

14 JOSH BASKIN: Okay.

15 MALE PARTICIPANT: We just got the
16 message.

17 MS. JACOBS: Do you want me to send it
18 to the -- oh, you got it?

19 MALE PARTICIPANT: Yep, I got it.

20 JOSH BASKIN: I mean, I don't know if
21 it's new because it says, "I understand from the
22 Embassy Tokyo citing NISA," so, you know, I, I, it's
23 probably your judgment call about whether that, you
24 know, the fact we also know that Jim's, sitting
25 there, noted is, is any additional information for

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1 that group.

2 MALE PARTICIPANT: Yeah, my instinct
3 would be to respond and to confirm because we have
4 separate confirmation that containment's intact.

5 JOSH BASKIN: Okay. Okay, you do.

6 MALE PARTICIPANT: We also have Yukio
7 Edano, the chief cabinet secretary, on Japanese
8 television saying that containment was not damaged
9 but the levels of radiation did increase from 15 to
10 20 mSv/hr.

11 JOSH BASKIN: Okay. Well, yeah, I think
12 the value-added is if we have independent
13 confirmation from our folks, so, you know, if
14 they're just passing on what they're seeing on the
15 news, then the Embassy is going to be passing on the
16 same thing on. But if we have, if we have specific
17 information that we can add to their understanding
18 of that, like I said, it's a very high-level group.

19 MALE PARTICIPANT: Understood.

20 JOSH BASKIN: Okay.

21 MALE PARTICIPANT: Okay.

22 JOSH BASKIN: All right, great. Thank
23 you, sir. I appreciate it.

24

25

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00:03:22/01:10:32

MALE PARTICIPANT: Good morning.

JEFF GRANT: Mike just stepped out of the room. So I think he's back there with the PMT.

BRIAN McDERMOTT: Okay.

JEFF: Did you want us to do some briefing or?

BRIAN McDERMOTT: No. No, Jeff, it was just to take the opportunity, and I'm thinking about things and coming in. If there were to be any calls or whatever, I was going to just just listen in.

MALE PARTICIPANT: The, the calls, the first calls that we have are at 7:30, and the Chairman's going to be -- Mike's got our list here -- the Chairman's going to be briefing the deputies committee at 7:30, and --

JEFF: At eight.

MALE PARTICIPANT: I'm sorry. 8:30; right?

JEFF: Eight.

MALE PARTICIPANT: Okay.

And then -- oh, I'm sorry. We're briefing the Chairman at 7:30 --

MIKE WEBER: Seven-thirty.

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1 MALE PARTICIPANT: -- in here in
2 preparation for his, for his deputies call at eight.
3 Right?

4 MIKE WEBER: Right.

5 MALE PARTICIPANT: -- and then we're
6 doing a CA brief probably in the other room, in the
7 back room, that I will be doing.

8 And other than that, we're going to do
9 an eight o'clock HOO events brief and then that's
10 going to be expanded, like Bill Borchardt was
11 talking about yesterday -- I think you might have
12 heard about that -- and get the office directors and
13 the like in, and so just to discuss a little bit
14 more of the details of what's been going on over the
15 weekend.

16 BRIAN McDERMOTT: Okay. The --

17 MALE PARTICIPANT: What's that?

18 BRIAN McDERMOTT: I heard on the news
19 this morning there was a second explosion last
20 night.

21 MALE PARTICIPANT: Yeah, the Unit 3
22 containment, secondary containment, basically did
23 what Unit 1 did, only with a little bit more force
24 and flair but same results. You know, it blew the
25 top off, you know, the blow-out panels and the like

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1 and, and, and did a little bit of damage, a little
2 bit more structural damage. But containment is
3 still intact.

4 MIKE WEBER: And Japanese authorities
5 are now talking about the possibility of that
6 occurring for Unit 2. I think, since they've been
7 bit there twice, they're now thinking, well, let's
8 get a little more forward-leaning on this.

9 BRIAN McDERMOTT: Right.

10 MIKE WEBER: Hopefully, that way, we'll
11 not surprise people should it happen.

12 MALE PARTICIPANT: So that's the,
13 probably since you left, the most significant thing
14 is that we got reports that they're not able to
15 inject sea water into the any of the Units of 1, 2,
16 or 3 over the last few hours and so they're starting
17 to worry about Unit --

18 MALE PARTICIPANT: Twelve-hour interval;
19 right?

20 MALE PARTICIPANT: Yeah. Yeah, at the
21 12s. Yep.

22 And so they're starting to worry about,
23 that Unit 2 is going to follow the same path that 1
24 and 3 did.

25 MIKE WEBER: But now they've lost the

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1 capability even for 1 and 3 to --

2 MALE PARTICIPANT: Inject sea water.

3 MIKE WEBER: -- inject sea water.

4 MALE PARTICIPANT: Right.

5 BRIAN McDERMOTT: Okay.

6 MIKE WEBER: Hey, we did actually get
7 some real data from Tony and Jim that the PMT's
8 working with in terms of dose --

9 MALE PARTICIPANT: Dose rate
10 measurements.

11 MIKE WEBER: -- measuring points around
12 the site, but they're all upwind, which you would
13 expect because they don't have people out in the
14 water.

15 BRIAN McDERMOTT: Right.

16 MIKE WEBER: And they seemed to suggest
17 that potentially that, cases where they vented
18 caused by shine, so you see dose rates up to about a
19 --

20 What was it? About 100 millirem per
21 hour?

22 MALE PARTICIPANT: Yeah. But weren't
23 those spikes when they were venting?

24 MIKE WEBER: Yes. Yep.

25 BRIAN McDERMOTT: The venting they've

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1 been doing, do we still think it's through the
2 torus?

3 MALE PARTICIPANT: I don't think we know
4 exactly how they're, how they're venting it. But --

5 BRIAN McDERMOTT: It could be the, the
6 activity, I would think -- you know, they're talking
7 about, what is it? It's a hundred or a thousand,
8 the knockdown you get by going through the torus
9 water, so, if they're directly hitting the dry well.

10 MALE PARTICIPANT: Yeah, it would be, it
11 would preferential if they were, if they doing that.

12 MIKE WEBER: But we don't know.

13 BRIAN McDERMOTT: Right. Right.

14 MALE PARTICIPANT: One of the things --
15 I was looking at the flow path, and if you look at
16 if you don't vent, you know, and so what's it,
17 what's it going to do if you build up pressure and
18 the standby gas treatment system isn't running? So
19 it, so it comes out of the standby gas treatment
20 system just backs up against the filter because you
21 don't have the fans running.

22 Well, those filters are sitting in the
23 reactor building. So, if that happens, it's just
24 going to leak out there, and that may be why you're
25 seeing the explosions. I'm not, I'm not sure.

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1 And then I don't, we don't know that
2 they have a hardened vent path like we've had put in
3 in our reactors.

4 BRIAN McDERMOTT: Right. Okay, well, I
5 wasn't calling to distract you guys. I was taking
6 the opportunity to, to listen while I was riding and
7 thinking.

8 MALE PARTICIPANT: Yeah, I was wondering
9 if you were riding your bike. I was going to ask
10 you if you, if you were on that.

11 BRIAN McDERMOTT: No. I, I probably
12 should be, but I'm driving.

13 MALE PARTICIPANT: Oh, okay, while
14 you're driving and thinking. Okay.

15 MIKE WEBER: Do you want us to leave you
16 up on the bridge?

17 BRIAN McDERMOTT: Yeah, if you would.

18 MALE PARTICIPANT: "Fukushima Nuclear
19 Plant developed new problems." Breaking news.

20 (Television broadcast:)

21 NEWSCASTER: . . . There have been
22 concerns. But especially for those living in the
23 area. They don't seem to believe what they have
24 been told from the safety agency or the agency
25 that's in charge of nuclear systems there in the

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1 area.

2 What are you hearing?

3 MATTHEW CHANCE, CNN SENIOR INTERNATIONAL
4 CORRESPONDENT: Well, I think there's an extent to
5 which people in Japan have believed that their
6 nuclear officials in the past have misrepresented
7 the situation with other nuclear accidents, and so
8 there's a bit of suspicion lingering, from what
9 we're hearing, about the sort of veracity of the
10 information that they're coming out with now.

11 And so what I've been doing is
12 monitoring the, the U.N.'s nuclear watchdog, the
13 IAEA, which is based in Vienna, obviously a distance
14 from that location in Japan. But it does have
15 people on the ground. It's got its own team of
16 experts as well that verify or try to verify the
17 information coming through to them from the Japanese
18 officials on the ground.

19 They're not necessarily the quickest
20 means of gathering the news but the information they
21 do collect has been verified by their experts.
22 They've not mentioned this latest problem with the
23 number 2 reactor. They have given us more
24 information, though, about reactor number 3 in
25 Fukushima.

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1 There was an explosion at about 11:00 in
2 the morning local time in Japan according to the
3 IAEA. They think it was caused by a buildup of
4 hydrogen gas in the reactor building. But the
5 agency confirms that the primary containment vessel,
6 as it's called -- it's the area where the actual
7 nuclear fuel rods are stored -- was not damaged in
8 that explosion.

9 It does say, though, that six people
10 were injured as a result of that blast. Now, of
11 course, there's been a lot of concern around the
12 area, the exclusion zone around the area, around the
13 plant in Japan in general, of course, about the
14 problems of contamination from all these problems
15 stemming from the various nuclear reactors that are
16 having problems.

17 What the IAEA says at this point is that
18 they've taken measurements from various points
19 around the Fukushima plant at the moment, and
20 they're concurring with Japanese officials saying
21 that the radiation levels are at this point somewhat
22 normal.

23 RAJPAL: They are comparing that the
24 state of this accident there at Fukushima is one of
25 the worst in history since Chernobyl and Three Mile

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1 Island. Of course, it's difficult at this point to
2 compare those two in terms of how bad it is.

3 But are you seeing any similarities from
4 what you've studied when it comes to Chernobyl in
5 Ukraine?

6 MATTHEW CHANCE: Well, I think there,
7 there are big differences, clearly.

8 I'm not a nuclear expert, but one of the
9 characteristics of the Chernobyl disaster back in
10 1986 -- in fact, nearly 25 years it was; next month
11 is the anniversary, 25th anniversary of the
12 explosion at Chernobyl -- was that there was this
13 enormous explosion that did take place in the, in
14 the building, but it was in the reactor core. Now,
15 the radioactive material, literally big chunks of
16 radioactive material were spilled out in a big black
17 plume of smoke and it was carried all over the
18 western and eastern Europe, you know, carrying, you
19 know, contaminating radioactive material all over
20 this very highly populated area of western and
21 eastern Europe.

22 That has not happened in Japan. The
23 reactors have been essentially shut down. They're
24 not in danger, it seems, of the kind of, you know,
25 devastating explosions that affected Chernobyl. But

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1 there is this -- you know, you do have to keep
2 cooling the reactor cores. We've been reporting all
3 along, that's where the problems have been stemming
4 from.

5 And when they failed to do that, there
6 would have been, the fuel rods had been exposed to
7 the air, that's when we're seeing these limited
8 releases of radiation. But at this point, it's
9 pretty clear that it's not on the same scale as the
10 Chernobyl explosion 25 years ago.

11 RAJPAL: Matthew Chance in Moscow, thank
12 you for that.

13 More than 15,000 people have been
14 rescued so far in this disaster. Numerous rescue
15 and assistance teams from the US arrived in Japan on
16 Sunday.

17 (Television broadcast concluded.)

18 MALE PARTICIPANT: Brian, are you still
19 there?

20 BRIAN McDERMOTT: Yeah, Mike. I was, I
21 was just on mute.

22 MIKE WEBER: Okay. Neil called to our
23 attention, the *New York Times this morning's
24 headline is "Japan reels as the toll rises and
25 nuclear risks loom". The by-line is "another

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1 explosion".

2 They also have on their website an
3 interactive graphic that actually shows you
4 Fukushima Daiichi units, and then there's a cutaway
5 so that you can see, you know, in cartoon form
6 what's going on inside the reactors. It's really
7 well done.

8 The positive thing with that is it does
9 put some context around the explosion and the
10 framework that you still see on top of the reactor
11 building, so hopefully, people, if they're tuned in
12 to that, will look at that graphic and realize,
13 okay, it's not as bad as it may look on the outside.

14 BRIAN McDERMOTT: I, I was checking --
15 before I went to bed last night, I was looking at
16 web VOC and I saw the meeting was, with the Japanese
17 regulator, was postponed. Did we ever get any
18 better information from them, from our people?

19 MIKE WEBER: What happened was the
20 (inaudible) situation, the individual with whom our
21 folks were going to meet was called away for a
22 meeting with the prime minister. And so they were
23 going to put it off and do it later and then I think
24 what happened is Jim and Tony needed to get some
25 shut-eye.

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1 BRIAN McDERMOTT: Yeah.

2 MIKE WEBER: And so about now is where
3 they're going to bed. They'll be down for a while,
4 then they'll get back up and resume their
5 operations.

6 BRIAN McDERMOTT: Okay.

7 MIKE WEBER: So as best we know, it
8 wasn't any intent to not do give us access to the
9 information but it was just -- obviously, when the
10 prime minister calls, it's important that Japanese
11 officials respond.

12 BRIAN McDERMOTT: Yes. Any more
13 insights about what they were doing to try to cool
14 the cores coming out of having our guys there?

15 MALE PARTICIPANT: It's, it's not been,
16 it's still not been very, a very good information
17 path. What we hear is they're, they were using, you
18 know, low-pressure sea water. They were, they were
19 filling ponds with seawater and then sucking the
20 seawater out some sort of a fire hose or fire
21 pump-type device and bumping into the core with
22 that. And recently, they've lost the capability to
23 do that because the ponds that they've been sucking
24 it out of are emptying. And so that was on Unit 1
25 and Unit 3. They haven't had, that's why they

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1 haven't had cooling for several hours.

2 And on Unit 2, it was the RCC-I issue
3 where they can't keep RCC-I running. So it's either
4 because it's (audio interference) pressure, it was
5 decreased and then it stopped running and they
6 couldn't restarted, or some reason, but they can't
7 get a low-pressure system running on RCC-I.

8 But I also heard that they had issues
9 with, you know, the water supply there too. And the
10 only positive note out of all that was that Jim and
11 Tony were able to gain the perspective that cores
12 were covered. So maybe decay heat is low enough
13 that it's just not boiling it off all that fast.

14 BRIAN McDERMOTT: The cores are covered
15 on all three units, Chris?

16 CHRIS MILLER: Yeah, that's what we were
17 told. That's what we've heard.

18 BRIAN McDERMOTT: Well, that's good
19 news.

20 CHRIS MILLER: It is good news.

21 MIKE WEBER: Yeah, but levels are
22 decreasing.

23 BRIAN McDERMOTT: But yesterday, we went
24 through the good part of the day thinking that, that
25 Unit 1 was, and Unit 3, were, were, you know, about

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1 half-exposed.

2 CHRIS MILLER: Yeah.

3 MIKE WEBER: And they probably were.

4 BRIAN McDERMOTT: Right.

5 MIKE WEBER: But somehow, with the
6 injection of the sea water, they were able to
7 restore the water levels above the active fuel. But
8 for how long, we don't know.

9 BRIAN McDERMOTT: Right. Right. It
10 sounds like they, so their (inaudible) was to
11 operate an SRV and depressurize and try to keep it
12 down long enough so fire truck-type pumps could
13 water in.

14 CHRIS MILLER: Yeah, I think that --

15 MIKE WEBER: For Units 1 and 3.

16 CHRIS MILLER: Yeah, I think that is
17 what they did. I'm not sure how much they were able
18 to run, you know, the HPCC-I and RCC-I before they
19 did the depressurization. But I know, at least on
20 Unit 1, it looked like they must have just used ABS
21 fairly quickly.

22 But, you know, we've heard reports of
23 anything from, you know, I don't think that there's
24 any core damage, to, 55-percent core damage. And
25 there's numbers going around but really none of

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1 that's been verified.

2 We don't have a really good link, still,
3 of information.

4 BRIAN McDERMOTT: Sure. Sure. Anything
5 on any of the other units, other locations?

6 MIKE WEBER: The Daini units?

7 BRIAN McDERMOTT: Yeah, or Onagawa.

8 MIKE WEBER: On Daiini, the word was
9 that they have AC power but they lost their ultimate
10 heat sink, so those remain stable but remain, you
11 know, under watch.

12 The Onagawa Unit, we've had reports that
13 the radiation levels have decreased, but the mystery
14 there is, well, what caused them to increase in the
15 first place?

16 BRIAN McDERMOTT: Right.

17 MIKE WEBER: And so, while the levels
18 have returned to normal, the question is what aren't
19 we aware of that warranted the attention to those
20 units?

21 There was some Tokai. There's some
22 sensitivity to Tokai because it's the nearest unit
23 to Tokyo. But as best we can tell, they had a pump
24 that had problems yesterday. But from the press
25 reporting, they were able to work around that pump

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1 and restore cooling. So the current status that we
2 have on Tokai is that it's stable.

3 BRIAN McDERMOTT: All right.

4 MIKE WEBER: We have three status
5 screens up now across our front wall for the
6 Daiichi, the Daiini and the Onagawa units.

7 BRIAN McDERMOTT: Yes.

8 MIKE WEBER: Do you want to tell Brian
9 about the, the knock?

10 MALE PARTICIPANT: (Inaudible) didn't
11 know what that document was. The (inaudible) have
12 suggested that we've got some official --

13 MIKE WEBER: Yeah, we, we were advised
14 that the Japanese government did submit requests for
15 assistance --

16 BRIAN McDERMOTT: Oh?

17 MIKE WEBER: -- which was news to us.
18 And they were six requests, and the first request
19 was for assistance in support of the Nuclear
20 Incident Team. But we didn't have any greater
21 definition to the nature of that request. So the
22 liaison time was going to try to going to go back
23 and try to understand that, and if we do have a
24 request, who's taking action on it.

25 And the thought we had is perhaps we

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1 could use that as an opportunity to help facilitate
2 progress if we don't see that they're moving in the
3
4
5
6

7 Chris, was that your take on that?

8 CHRIS MILLER: Yeah. Yeah. I, you
9 know, one of the items, as Mike was talking about,
10 was incident response, so it's Level I, like, you
11 know, (inaudible) in front of the carriers and some
12 other things.

13 But one of them was incident response,
14 and so we kind of took that in the larger band. And
15 we know that we've been working on the PMT and stuff
16 like that to, to maybe provide them some information
17 through DOE about, you know, about the dose
18 projections and things like that.

19 We thought, well, you know, there are
20 people standing by. You know, the State Department
21 called. Scott and the US military and, and a few
22 other players are talking about, how can we give
23 them assistance? And, and the bottom line is that,
24 you know, DOD and others offered up support; what,
25 what can we do to help them out?

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1 So I ran that by the folks over at, you
2 know, by, by Jim and Tony. They, you know, what are
3 the things that they might need. And, you know,
4 what Tony told me was, you know, what we've, we've
5 discussed, we've kicked around over here at the
6 Embassy, you know, other ways that they might -- you
7 know, they're pumping, ways to put water in the core
8 and other things. You know, we talked a little bit
9 about, actually, if they can't get water into these
10 ponds, there's other ways. There's fire trucks or
11 there's diesels or there's Bambi buckets. You can
12 drop the water into the ponds if you need to.

13 And they've been, the military's been
14 offering that request, and they said pretty much
15 that, while we can do that if they ask for it, we
16 don't feel like we're in bounds if we, if we push
17 that stuff on them.

18 So we, Mike and I were talking about it
19 a little bit. What other options do we have?

20 And Mike, I guess you mentioned GE or
21 something, thinking we might be able to work that
22 angle.

23 But we need to try to figure out some
24 other way to see if -- you know, because we know
25 that there's people standing by. There's a lot of

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1 capability that, you know, if you, if you had to
2 heavy-lift keel loads or whatever, you could bring a
3 bunch of stuff over there. And I don't know if you
4 could hook it up, but you could certainly bring it
5 over.

6 BRIAN McDERMOTT: Yeah, I mean I, I
7 guess it's -- you know, not understanding how bad a
8 shape the units are in, you know, you would think
9 (audio interference) large portable (audio
10 interference) you know, that would be, that would be
11 helpful.

12 CHRIS MILLER: yeah, you broke up a
13 little bit there, Brian, but I think I get the gist
14 of it.

15 If I were, you know, if I were running
16 the zoo -- this is what I was telling Mike earlier
17 -- if I was running the zoo, yeah, I'd, and I knew
18 there were people standing by to help, I'd think of
19 a few other things I could do, whether it's, you
20 know, more, more power to the batteries or trying to
21 get more, more electrical power on site somehow, or
22 water somehow pumped up. You know, put a few fire
23 trucks in series and pull that sea water up somehow
24 from somewhere and put it into whatever storage
25 ponds or tanks they, they've got.

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1 BRIAN McDERMOTT: Yeah, I mean anything
2 from, you know, pumps to, like you were saying, fire
3 pump pipe devices or generators, batteries.

4 CHRIS MILLER: Yeah.

5 BRIAN McDERMOTT: And it seemed like
6 compressed air was something they needed. And I
7 don't know if that was for the containment
8 vent-and-purge valves. I, I kind of remember those
9 being air-operated valves but it's also for the
10 SRVs, I thought.

11 CHRIS MILLER: Yeah, I'm not sure. I
12 haven't heard the call for, for air, but that
13 wouldn't surprise me. I mean they don't, they don't
14 have any, nothing, nothing to compress it right now.

15 BRIAN McDERMOTT: At one point, we heard
16 a report that they did get a portable air compressor
17 to them, and it's kind of one of those fleeting
18 reports that you never heard again, but we did hear
19 that early on when they were first thinking about
20 bringing the -- I forget what time they were issued
21 -- but the truck-mounted generators were, they were
22 bringing in.

23 MALE PARTICIPANT: Yeah. So, anyway,
24 we're kind of now thinking about what, you know, how
25 far do we go to push that.

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1 BRIAN McDERMOTT: Right.

2 MALE PARTICIPANT: I mean, you don't
3 know. It may perhaps -- you know, there's such a
4 limited amount of technical information, we don't
5 know what they've tried and what, what they haven't
6 tried and what works and --

7 BRIAN McDERMOTT: Right.

8 MALE PARTICIPANT: -- you know, what
9 they could possibly do. They could use B5B
10 equipment right now, I guess, huh?

11 BRIAN McDERMOTT: The, how about on the,
12 on the home front here in terms of Q&As that? That,
13 when I left, that was -- one of the things that Bill
14 Borchardt was talking to team about was continuing
15 to work on the Q&As for this week.

16 CHRIS MILLER: Yeah, we've got a couple
17 of products that we've been working on. We've been
18 working on Q&As. Dave and his C team have been
19 working it, so we've got that.

20 We've got, we've got a status briefing
21 that we're continuing to update, and that's ready
22 right now. And we've looked at it and approved
23 that, and that'll be ready for the, for the 7:30
24 brief we talked about.

25 And then there's a, there's a Chairman's

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1 status brief or there's a Chairman's staff paper.
2 It's a light version. It's a light status version
3 which is about a two-pager that, that boils some of
4 this stuff down, so to speak. And he's going to,
5 he's going to use that in his talks with some of the
6 congressional folks later on in the day. But we're
7 going to use that to brief him as well.

8 So those are some of the products that,
9 that we've got.

10 BRIAN McDERMOTT: Okay.

11 MIKE WEBER: And then we've got the
12 updated questions and answers that we continue to
13 evolve. The, the RS Team, they've got spent fuel
14 pools to add.

15 BRIAN McDERMOTT: Are there additional
16 directions that we ought to be heading in during the
17 day today relative to the Qs & As that you guys have
18 seen so far?

19 MIKE WEBER: Yeah, I, I think we can
20 continue to enhance the level of preparedness by
21 focusing on the upcoming hearings. That's going to
22 occur on Wednesday --

23 BRIAN McDERMOTT: Right.

24 MIKE WEBER: -- the Chairman's
25 testifying at.

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1 I spoke briefly with the liaison team.
2 They're not working on coming up with testimony that
3 the Chairman could use about the accident or the
4 emergency over in Japan, but he said that he was
5 aware that OTA folks said that they were aware that
6 it had been discussed earlier today.

7 But I think what's going to happen over
8 the next several days is we'll continue to see the
9 evolution of the story in the media. And obviously,
10 we can best be prepared if we anticipate that
11 evolution and make certain that we're ready to
12 respond.

13 Neil got a call from a BBC reporter, and
14 their focus was on coordination. How are the
15 countries working together? What kind of assistance
16 is the NRC providing to Japan? That sort of stuff.

17 BRIAN McDERMOTT: And how are we
18 answering that question given that they haven't
19 requested specific assistance?

20 MIKE WEBER: Well, we're answering it by
21 describing what we're doing --

22 BRIAN McDERMOTT: Okay, yeah.

23 MIKE WEBER: -- which is fair.

24 Do we have a Tepco update?

25 OMAR: (Off mic comments.)

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1 MIKE WEBER: Omar (phon) is digging up a
2 new Tepco update, maybe.

3 OMAR: (Off-mic.)

4 MIKE WEBER: I think, with everybody
5 seeking information on the Tepco website, it's
6 probably getting hit a lot. I hope somebody doesn't
7 hack it and take it out, because that would really
8 cause problems.

9 BRIAN McDERMOTT: Yeah, right. For a
10 while, it was that people didn't know the company's
11 name or whatever and --

12 MIKE WEBER: Yeah.

13 BRIAN McDERMOTT: -- and were seeking
14 information in other outlets.

15 MIKE WEBER: Yep. So here's the release
16 that just came out from Tepco. The punch line is in
17 the second paragraph. It says, "Water injection to
18 Unit 2's reactor is being carried out by the RCICS
19 cooling system. However, the reactor cooler
20 isolation cooling system failed today. It was
21 determined that a specific incident, the failure of
22 the reactor cooling function, stipulated in Article
23 15, Clause 1 has occurred at 1:25 today." That was
24 about seven hours earlier.

25 And, you know, that, that triggers the

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1 execution of their preparedness actions.

2 BRIAN McDERMOTT: Right.

3 MIKE WEBER: So that will just mean that
4 now, for Unit 2, the evacuation radius is 20
5 kilometers.

6 They did, following the explosion that
7 decimated the secondary containment on Unit 3,
8 advise shelter-in-place for the 600 or so members of
9 the public who remained behind within the evacuation
10 zone.

11 John Lubinski is here to give us an
12 update from the PMT.

13 He's bored. He just wants to be
14 entertained.

15 JOHN LUBINSKI: He just wants to be
16 entertained for the morning?

17 How are you going, Brian?

18 MIKE WEBER: He's trying to get up to
19 speed on what's going on.

20 JOHN LUBINSKI: I was going to say if
21 you, you're here just to be entertained, you lead a
22 (inaudible) life.

23 (Laughter.)

24 MALE PARTICIPANT: I, I'm liking this
25 because as soon as he arrives here, I'm going to say

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1 --

2 (Simultaneous conversation.)

3 BRIAN McDERMOTT: Yeah.

4 JOHN LUBINSKI: Yes, based on the most
5 recent information we got from Tony, we did get
6 faxed in --

7 MIKE WEBER: Is it a radiation exposure
8 rate?



16 The, also, we did get from Tony that
17 they had been venting Unit 2 also. We knew they
18 were venting Units 1 and 3, but they were also
19 venting Unit 2. So that was a new piece of
20 information we did not have.

21 The, they, they have been injecting the
22 sea water via some type of pumping system into Units
23 1 and 3. The sea water had been basically pulled on
24 site into some kind of hole, not the spent fuel
25 pools but some pools they had there that could

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1 collect the water --

2 MIKE WEBER: Right.

3 JOHN LUBINSKI: -- pump it in. They
4 lost that capability about, from that phone call
5 with Tony 12 hours ago. So it was actually about 16
6 hours ago now that they lost that capability to
7 supply the water.

8 MIKE WEBER: But we don't know why?

9 JOHN LUBINSKI: We do not know why. We
10 do not know if it was whatever system they had
11 getting that sea water into the pools or from the
12 pools into the --

13 MALE PARTICIPANT: Into the plant.

14 JOHN LUBINSKI: -- into the plant.

15 MALE PARTICIPANT: Yeah.

16 JOHN LUBINSKI: So we don't know why
17 that was.

18 They also have lost the cooling ability
19 to Unit 2.

20 MARK WEBER: That's that Tepco release
21 that I read Brian.

22 JOHN LUBINSKI: Right.

23 So the, they lost cooling to Unit 2, and
24 at this point, or at the time we talked to Tony,
25 which was about four hours ago, it was indicated

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1 that the fuel in all three units was still covered
2 at that time. But the one of most concern was Unit
3 2. And --

4 MIKE WEBER: So they haven't had fuel
5 failure there yet; right?

6 JOHN LUBINSKI: They have not had fuel
7 failure yet. At least, at least in the other units,
8 they were already pumping sea water in. They had
9 not been doing that in Unit 2, so therefore, that
10 was a concern what the water level would be there,
11 and it didn't sound like they had anything to pump
12 sea water in. So Unit 2 is a concern. That was the
13 one that might be losing water.

14 Again, no AC power to any of the units
15 at that point. They're just trying to keep their
16 batteries charged. And the --

17 MALE PARTICIPANT: On which, on which
18 unit?

19 JOHN LUBINSKI: For all three of the
20 units.

21 MALE PARTICIPANT: For all three are
22 having trouble.

23 JOHN LUBINSKI: They, even though they
24 lost their secondary containment on Units 1 and 3,
25 the spent fuel pools are in good shape. They're

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1 exposed to the atmosphere but the water levels are
2 fine in the pools.

3 They reported that there was no problems
4 with the pools at this point but we don't have any
5 information on how they're keeping them cool.

6 MIKE WEBER: And that's in Units 1 and
7 3?

8 JOHN LUBINSKI: Unit 1 and 3. We were
9 told Unit 2 -- again, they still had no problems
10 with the spent fuel pools in Unit 2 either. The
11 building is still intact. So, but we don't know how
12 they're keeping it cool.

13 MIKE WEBER: So those spent fuel pools
14 are now open to the environment?

15 MALE PARTICIPANT: Open to the
16 environment.

17 CHRIS MILLER: Yeah. It blew off the
18 whole top of the buildings out.

19 JOHN LUBINSKI: Yeah. Yeah. It blew
20 the top of the buildings off. They're open to the
21 environment, but apparently, they're, you know,
22 still covered with water. There's no, no
23 information on the impact of what that explosion of
24 the building did as far as, you know, any water in
25 the pool.

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1 Do you have a comment, John?

2 JOHN: No indication -- yeah -- no
3 indication that any of that fuel was damaged due to
4 debris or anything and hitting that pool?

5 JOHN LUBINSKI: The exact quote from
6 Tony is, "The pools on all three units are in good
7 shape." And we probed if he had any information
8 why. You know, we kept asking the questions. No
9 information -- he doesn't have it -- how it's being
10 cooled.

11 JOHN: No. You know, with the amount of
12 damage that appeared to have been done at the panel,
13 it's just --

14 MALE PARTICIPANT: Yes, (inaudible) land
15 at the pool.

16 MIKE WEBER: Yeah, we saw, we saw the
17 video of Unit 1, of course, on our time Saturday
18 morning, in the explosion. I don't think we saw any
19 real video of the explosion of Unit 2.

20 MALE PARTICIPANT: We did.

21 MALE PARTICIPANT: They showed it on TV.

22 MIKE WEBER: Yeah, okay. Yeah.

23 MALE PARTICIPANT: It was quite a bit
24 more energetic than Unit 1.

25 JOHN LUBINSKI: Okay. And that was it

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1 as far as the conditions.

2 We did talk on dose information. We did
3 coordinate again with DOE. They had no additional
4 dose information than what we had. They, they gave
5 us one more data point that they had from the Reagan
6 that was a little bit higher than what we had. It
7 was 0.9 rather than -.6.

8 MIKE WEBER: Dose rate?

9 JOHN LUBINSKI: That was the dose rate.

10 MALE PARTICIPANT: From when, from when
11 they were in --

12 JOHN LUBINSKI: From when they were --

13 MALE PARTICIPANT: -- when they were in
14 the vertical?

15 JOHN LUBINSKI: Yes, but they're still,
16 they've asked some questions of the Reagan about
17 that. There's no additional information that the
18 Reagan has because they're outside plume now.

19 But they had an additional data point.
20 We talked to them about what we suspected because of
21 the venting. They did not know that the venting was
22 going on --

23 MALE PARTICIPANT: Oh, really?

24 JOHN LUBINSKI: -- for all three units.

25 MIKE WEBER: Oh.

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1 JOHN LUBINSKI: They, they suspected it
2 was only for Unit 3. They did not know they were,
3 or 1. They did not know they were doing it in Unit
4 2 or Unit 3.

5 So then we talked to them about our
6 logic and why we thought that that dose was what it
7 as that the Reagan gave, based on that, and they
8 confirmed that made sense. But again, we're talking
9 ballpark numbers here.

10 BRIAN McDERMOTT: John, hey -- Brian --
11 just to ask question about that, what part of DOE
12 are you talking to?

13 JOHN LUBINSKI: We got to the DOE
14 operations center and talked to the their dose
15 people.

16 BRIAN McDERMOTT: Okay. Down at Forest
17 Hall?

18 MALE PARTICIPANT: Was his name
19 Blumenthal?

20 JOHN LUBINSKI: To be honest, I'd have
21 to get the name of the individual.

22 I can get that back to you, Brian.

23 BRIAN McDERMOTT: And just so that the
24 team gets that on turnover because what happened
25 last night on a conference call earlier was we were

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1 talking to one part of DOE and then NSA popped up
2 with a different opinion.

3 JOHN LUBINSKI: Okay, I appreciate that.
4 We'll get that and make sure that's still in the
5 turnover.

6 BRIAN McDERMOTT: Thanks.

7 JOHN LUBINSKI: Some things we're
8 running right now is we're running the RASCAL
9 projections based on all three units now rather than
10 the two units, which we did before, and we're doing
11 it for a change of wind direction. We're still
12 making the same assumptions of the 40-percent core
13 damage for all three units and assuming a
14 one-percent release rate for 24 hours.

15 This is going to be, you know, varied
16 growth because we're not able to account for the
17 venting if they continue to vent. We don't know if
18 they're continuing to vent and how they're handling
19 that since they've lost ability to put the sea water
20 in.

21 So that's our estimate at this point.

22 MALE PARTICIPANT: And you're accounting
23 for the potential shift in wind direction?

24 JOHN LUBINSKI: And we're doing it based
25 on what we see as wind direction when it comes from

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1 the northeast going southwest towards Tokyo.

2 Two challenges with that. One is our
3 RASCAL folks are running a little, little challenge
4 right now, but they'll be able to overcome that.
5 But on the day shift, hopefully we can get someone
6 in who can do the GIS for us. None of our folks
7 here are familiar with how to get that plot up. But
8 I'm we'll get it in. If there's not someone here on
9 the day shift, we'll be able to find someone in the
10 building to come down and do that for us.

11 The other issue is, as you said, Mike,
12 the weather. We're checking the weather through,
13 just one of the weather sites and, you know, just in
14 the last couple hours it's continued to change. It
15 looked like it was going to be about three o'clock
16 Tuesday local time when the wind would shift that
17 direction. Then it went to nine o'clock. Now it's
18 back to about noon. So, you know, again --

19 MIKE WEBER: Predicting the weather.

20 JOHN LUBINSKI: Yeah, you're predicting
21 the weather. So it's anywhere from 9:00 a.m. to
22 1500 on Tuesday when it's going to be that
23 direction. It'll go a little bit straight south,
24 but that shouldn't really hit many people at that
25 point.

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1 MALE PARTICIPANT: But that, and that
2 was local?

3 JOHN LUBINSKI: Local time.

4 MALE PARTICIPANT: Okay.

5 JOHN LUBINSKI: Japanese feeder time.

6 And then we're completing the questions
7 for Senator Boucher working with the RST, so we'll
8 have those for you before we leave.

9 The turnover items that we're turning
10 over to the team in the morning are

11 o We'll have briefing sheets, briefing
12 information, for them to work with our folks in the
13 UK from the 8:30 briefing, 8:30 Eastern time.

14 o The Chernobyl comparisons we talked
15 about, the information, we'll be turning it over to
16 them to work with our program research to do that.

17 o And then we'll make sure they're
18 continuing to coordinate with DOE with doses and
19 getting accurate information prior to turnover.

20 That's all I have.

21 MALE PARTICIPANT: Sounds good. Okay.
22 I think you covered most of the stuff we got from
23 Tony while talking to him.

24 But what I see is we've got two action
25 items for the team. One is to have this call at

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1 8:30 with the UK. It would be from the (inaudible)
2 [Clinton] team. So we'll make sure we turn over
3 with the day shift to do that.

4 The other thing, Tony had called back
5 about 20 after four and asked if we were on a, a
6 scenario for, if we assume current decay heat within
7 the (inaudible) units, how long before you get core
8 slump? Tony (inaudible) probably figure that out.
9 Tony would get a reactor person who (audio
10 interference).

11 MIKE WEBER: And what was your -- how
12 long before you get what?

13 MALE PARTICIPANT: Core slump.

14 MALE PARTICIPANT: When does it go into
15 a pile at the bottom of (audio interference.)

16 MALE PARTICIPANT: I was looking at
17 people around here that are getting core slump
18 (inaudible).

19 (Laughter.)

20 MALE PARTICIPANT: I'm not sure if my
21 core is slumped.

22 (Laughter.)

23 MALE PARTICIPANT: That's the only two
24 things I have to turn over to the day shift. And
25 the same thing, we're working the questions and

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1 we're bringing the (inaudible) entire group.

2 Oh, we're going to add that question on
3 this (inaudible) --

4 MALE PARTICIPANT: Yeah.

5 MALE PARTICIPANT: -- into the
6 Chairman's questions, or whatever that, the
7 questions were that we had.

8 MIKE WEBER: The standard package.

9 MALE PARTICIPANT: Whatever that's
10 called.

11 MIKE WEBER: Okay.

12 MALE PARTICIPANT: Where, where does
13 that question package reside? Where do we have
14 that?

15 MALE PARTICIPANT: Well, there's a
16 version in OPA, but I asked our folks, and what OPA
17 had was like March 12.

18 MALE PARTICIPANT: Okay.

19 MIKE WEBER: I think it's being done on
20 the (inaudible) website or the executive briefing
21 team. Jim Anderson, I think, is the, that's who's
22 been doing it as far as I know.

23 MALE PARTICIPANT: Okay. Well, Edith
24 says she has a version on her computer in the
25 Reactor Safety Team, so whatever we do when we get

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1 this to a point, we've got to make sure it gets to
2 the right place and everybody's got access to it.
3 So we will figure that out before we get out of here
4 tonight.

5 MIKE WEBER: And your core slump
6 calculation in the metal core, you're assuming that
7 cooling is not restored?

8 MALE PARTICIPANT: Yeah, it's kind of a
9 worst-case because everybody keeps wanting to know,
10 they're asking questions about --

11 MALE PARTICIPANT: What could happen.

12 MALE PARTICIPANT: -- yeah, what could
13 happen. I don't think he -- he doesn't have access
14 to doing the models right there and Trapp doesn't do
15 it, so neither one of these reactor guys
16 (inaudible).

17 MIKE WEBER: What's the schedule for
18 these guys? Tony's following up the call?

19 MALE PARTICIPANT: Yeah. Tony said he's
20 going to bed. He was going to get some sack time
21 and shower and everything, so he'll be out for about
22 10 hours.

23 MALE PARTICIPANT: He's been on 37 1/2
24 --

25 MALE PARTICIPANT: Yeah, I talked to

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1 him.

2 MIKE WEBER: Is it about six p.m. local
3 time?

4 MALE PARTICIPANT: Yeah.

5 MIKE WEBER: Okay.

6 MALE PARTICIPANT: But Trapp and he are
7 going to work shift-work stuff, so I think --

8 MALE PARTICIPANT: You said Trapp was
9 going to stay up until nine o'clock over there?

10 MIKE WEBER: Oh. I thought he was
11 coming back on at nine.

12 MALE PARTICIPANT: That's about three
13 hours. So we're back about three hours.

14 MALE PARTICIPANT: So they're going to
15 try to go --

16 (Simultaneous conversation.)

17 MIKE WEBER: Do we know whether Jim
18 assisted the ambassador in the briefing?

19 MALE PARTICIPANT: We never heard back
20 from Trapp. We talked to Tony a couple times
21 tonight, but we didn't hear from Jim.

22 MIKE WEBER: Okay, so that's an open
23 question. So we hear back from Jim --

24 MALE PARTICIPANT: Well, he's coming
25 back on at nine, so he'll probably check in.

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1 MALE PARTICIPANT: (Off mic.)

2 (Audio interference.)

3 MALE PARTICIPANT: Is there anything you
4 think that we should be doing to get that report?

5 MALE PARTICIPANT: I know that Tony's
6 feeling tired. But, you know, who wouldn't be,
7 traveling over there and probably working since he
8 got there kind of thing? And so I think if he gets
9 some rest, he'll be okay.

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1 MALE PARTICIPANT: Correct.

2 MIKE WEBER: So where did that come
3 from?

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MIKE WEBER: Okay.

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MALE PARTICIPANT: We've got what looks
to be about four different briefings or calls,
conference calls coming up here in the near term.
Jeff Kowalchek (phon), our guy down at USAID, is
briefing collectively with others the USAID
administrator at (inaudible) at seven. His brief is
at 7:30, so we'll give him the latest as we
understand it at that point.

21

MIKE WEBER: Is Jeff on overnight?

22

MALE PARTICIPANT: Yes.

23

MALE PARTICIPANT: Okay.

24

25

MALE PARTICIPANT: Speaking of USAID,
those guys have asked for, give us the top three

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1 bullets of what your agency is doing in support.
2 And so Jim crafted up those bullets for us, and we
3 can obviously modify those at a high level the kinds
4 of things we're doing. (Inaudible).

5 BRIAN McDERMOTT: John?

6 MALE PARTICIPANT: I was just, I'll get
7 that information for you. Jim just gave them to me
8 to go out.

9 MIKE WEBER: Okay, well --

10 MALE PARTICIPANT: Show him the video
11 and --

12 MIKE WEBER: Do you want to look at it?

13 MALE PARTICIPANT: And you wanted
14 (inaudible) to take care of it --
15 (Simultaneous conversation.)

16 MALE PARTICIPANT: And then --

17 MALE PARTICIPANT: Yeah, yeah. Talk to
18 Jim about them, that there's going to be high-level
19 White House briefing.

20 MIKE WEBER: Okay.

21 MALE PARTICIPANT: Let's see, at 7:30,
22 at 8:30, then, we've got the conversation with EDK
23 (inaudible) discussion.

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1 MALE PARTICIPANT: Yeah, my comment --
2 well, let me back up -- my comment was on dose
3 information, not projection.

4 MALE PARTICIPANT: Okay.

5 MALE PARTICIPANT: Such as what we got
6 from the Reagan and what we got from --

7 MALE PARTICIPANT: Well, if they want to
8 run their own dose calculations, they can run them.

9 MALE PARTICIPANT: Right. There's still
10 sensitivity there we need to understand.

11 MIKE WEBER: John, I think you're okay
12 on that. I think it's, as Jeff said, oh, wow, look;
13 NRC says it's coming our way.

14 MALE PARTICIPANT: We're getting that.

15 MIKE WEBER: We were on a website. We
16 found some drudge report or something?

17 MALE PARTICIPANT: Yeah, it said that
18 they're going to get 750 rem in seven days wet dose.

19 MIKE WEBER: Totally it's garbage.

20 MALE PARTICIPANT: Yeah, but it's out
21 there.

22 MALE PARTICIPANT: We are sharing that
23 information, of course, with DOE.

24 MALE PARTICIPANT: Yeah. And then we've
25 got a (audio interference) conference call at 11

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1 that we'll be supporting as well.

2 (Audio interference.)

3 MIKE WEBER: So we know who's going to
4 support that, what they're going to say, they're
5 going to play it off of how the first part of the
6 call goes and then decide, you know, what
7 information people are looking for.

8 MALE PARTICIPANT: Yes, sir. And we
9 would give a status update from that end of it.

10 MIKE WEBER: Okay. Is USAID, Jeff K,
11 that happens at 7:00 or 7:30?

12 MALE PARTICIPANT: Well, we'll talk with
13 Jeff to give him an update, and then his
14 conversation actually is at 7:30.

15 MIKE WEBER: Okay.

16 MALE PARTICIPANT: All right.

17 MALE PARTICIPANT: Okay. I'll get these

18 --

19 MIKE WEBER: Sure. Anything else?

20 MALE PARTICIPANT: I think that's it.

21 MIKE WEBER: Good.

22 MALE PARTICIPANT: Jim -- are we good
23 for setting up the call with --

24 MALE PARTICIPANT: Tony --

25 MIKE WEBER: Okay, we're not taking the

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1 lead to do any of that unless we hear from Jim.

2 Okay.

3 MALE PARTICIPANT: (Inaudible.)

4 MALE PARTICIPANT: They have water boats
5 that (inaudible), no problem. They'll pump it in.

6 MIKE WEBER: Well, it was disturbing
7 with the email that came back kind of saying
8 'precarious situation'.

9 (Simultaneous conversation.)

10 MALE PARTICIPANT: Tony said they heard
11 nothing about evacuating personnel out of Tokyo.

12 MIKE WEBER: Well, you pulled the string
13 on that; right? On evacuating personnel, the answer
14 from Tony was no, there's no --

15 MALE PARTICIPANT: Yeah. We --

16 (Simultaneous conversation.)

17 MIKE WEBER: -- follow the advice of the
18 (inaudible) --

19 MALE PARTICIPANT: Okay, thank you.

20 MALE PARTICIPANT: The Chairman's brief
21 is at 7:30.

22 MALE PARTICIPANT: That's to brief the
23 Chairman, but then the Chairman has to call --

24 MIKE WEBER: That's the deputies call.

25 MALE PARTICIPANT: -- and he's not doing

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1 that from --

2 MIKE WEBER: That will be in the secure
3 conference room.

4 MALE PARTICIPANT: Okay, all right.

5 MALE PARTICIPANT: But that's a point.
6 We need to make certain that INSR is prepared to
7 staff that, so Wayne Rusk, is he (audio
8 interference) at the 7:30?

9 MIKE WEBER: The deputies call is at
10 eight. But (audio interference) as best we
11 understand it. But that would mean that we have to
12 get the equipment lined up and ready to go like at
13 7:45.

14 MALE PARTICIPANT: Okay. We can make
15 that happen.

16 MIKE WEBER: All right. Thank you.

17 MALE PARTICIPANT: They'll be in, I
18 think they get in about six.

19 MALE PARTICIPANT: (Inaudible.)

20 MALE PARTICIPANT: Do we have all the
21 numbers for them and their employees to come in and
22 set that stuff up?

23 (Audio interference.)

24 MIKE WEBER: All right. What else we
25 need to do?

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1 MALE PARTICIPANT: I think we're pretty
2 good -- oh, review these.

3 MALE PARTICIPANT: So we went with our
4 new status report?

5 MALE PARTICIPANT: Yeah, that already
6 came out.

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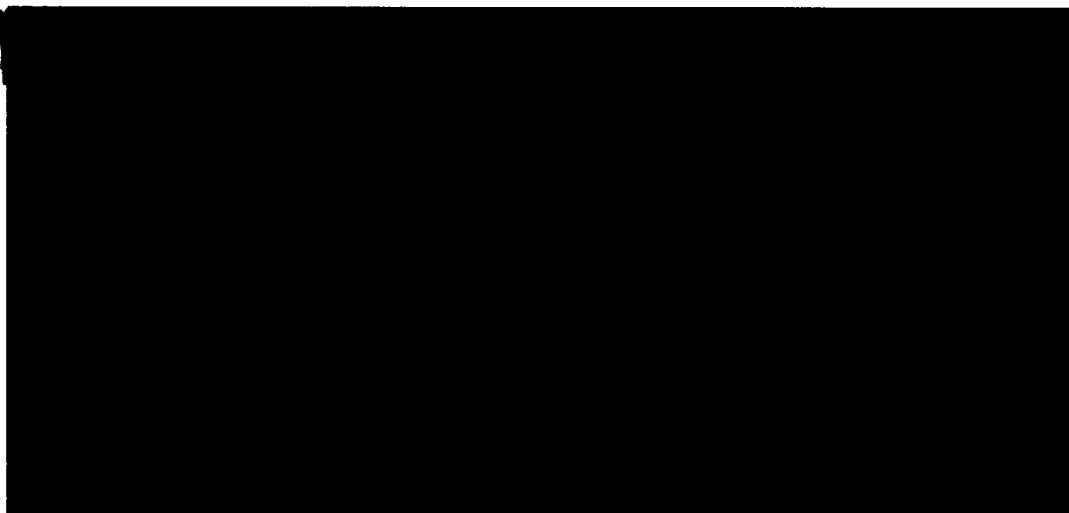
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(CONFERENCE CALL INITIATED)

55:20/1:10:35

JIM TRAPP: Okay. We just got a kind of an important request here, and we were up in the ambassador's office and we were, we were brainstorming.



MIKE WEBER: Okay.

JIM TRAPP: And we think we can play the key role. You know, we really, we have to really understand the cooling flow system that they had in place. You know, we believe it was some sort of low-pressure injection that they were getting, and it appeared to be some sort of a, a, a temporary pond that they had that they were taking suction out of with some sort of a pump, probably diesel operated, some sort of a fire truck, and then connecting into some sort of a low-pressure connection into the reactor.

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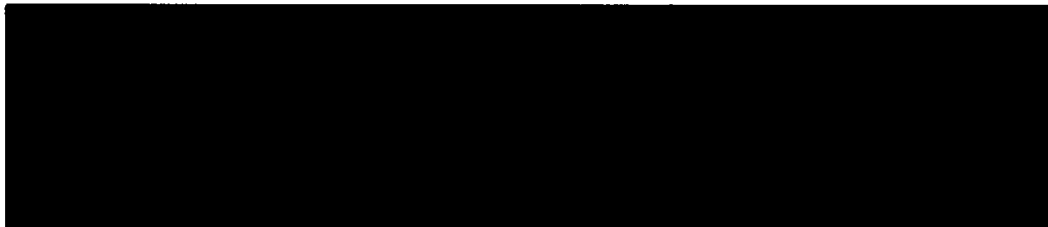
1 I, I think they've had, over the day,
2 what we've surmised is they had several failures of
3 that ability to pump, and they've asked the Army
4 specifically for trucks, water-pumper trucks, or
5 water trucks.

6 MALE PARTICIPANT: Yeah, they use water
7 trucks. We're surmising they're fire trucks.

8 JIM TRAPP: So we're not sure whether
9 the problem we're trying to solve is filling up the
10 pond or, you know, if they need the, all the way
11 from the pond into the reactor.

12 But I, but I think where we would
13 probably help here is, you know, we, we could be
14 pretty well understood of getting into the reactor,
15 and, and the Army Corps would probably be the best
16 people to supply the equipment and fill the pond.

17 MALE PARTICIPANT: Thinking back to the
18 staff, if I'm correct, they were trying to set the
19 Japanese up with the, with the Army Corps directly,
20 for example, and also US Forces in Japan to discuss
21 their specific needs. And I think that's where
22 we're at. Right?



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1 [REDACTED] [REDACTED] [REDACTED]
2 [REDACTED]
3 [REDACTED]
4 [REDACTED]
5 [REDACTED]
6 [REDACTED]

7 You know, I guess we have a couple
8 aircraft carriers in the, or at least one, in the
9 neighborhood. I don't know what kind of assets
10 they'd have on that, but we were surmising, if, I
11 mean if the problem we're trying to solve is just
12 filling a pond, there, there might be multiple ways
13 of doing that; helicopters and firefighting
14 equipment, that kind of thing. It might be a little
15 bit of scoop and fill.

16 [REDACTED]
17 [REDACTED]
18 [REDACTED]
19 [REDACTED]

20 MALE PARTICIPANT: Jim, is there a way
21 that we can help from here to link up, you know,
22 people with ideas to, to help with that? Or is it
23 more of a, you know, we need equipment and, you
24 know, and the military's helping with that? I mean,
25 is there a way we can connect with them? Yeah,

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1 because we've been kicking around some of those
2 ideas around here. I know there's other folks with
3 good ideas. I'm just wondering if there's a way to
4 link them up or if the best way is to --

5 JIM TRAPP: What I'd like to do is
6 basically a collaboration. We need to get on a
7 conference call with the Army, at the right levels
8 of the Army, the people that know what assets they
9 have. They know, and the Army Corps of
10 Engineers-type folks who know how to solve fluid,
11 fluid hydraulic issues. And then I would think the
12 NRC would have to get, would want to get involved
13 because we could probably provide support on, you
14 know, how to get the ADDs open, if that's what part
15 of the problem is, and how to get water to the core.

16 So it seems like it would be a collaborative
17 effort.

18 MALE PARTICIPANT: Yes, that --



25 MALE PARTICIPANT: Yeah, this is a big

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1 step. We've been kind of waiting. We've been kind
2 of waiting for this step, I think.

3 JIM TRAPP: Yeah. But unfortunately,
4 we've been waiting, we've been waiting all day.
5 They had no core cooling for a day. I mean, in my
6 opinion, I'm just shocked that these vessels haven't
7 breached. So the timeframe is, you know, is like
8 tonight.

9 MALE PARTICIPANT: Urgent



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1 [REDACTED] 5
2 [REDACTED]
3 [REDACTED]
4 [REDACTED]
5 [REDACTED]
6 Talk up, please.

7 JIM TRAPP: Oh, I'm sorry. [REDACTED] 6

8 the lead here from DOE, is, unfortunately has
9 laryngitis. He can't talk, but he shook his head
10 that he didn't think that was probably necessary at
11 this point, [REDACTED] [REDACTED]
12 [REDACTED]
13 [REDACTED]
14 [REDACTED]
15 [REDACTED]
16 [REDACTED] 5
17 [REDACTED]
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MALE PARTICIPANT: All right. Do you happen to know current status of the core's coverage, Jim, or is that still, is that unclear?

JIM TRAPP: To me, it would be highly unlikely, if they hadn't had had any injection for a day or, you know --

TONY ULSES: If they lost injection between, I think was about 1:00 a.m. local Japanese time, and I don't think they've recovered it since, so it's, it's been a long time.

MIKE WEBER: So, 18 hours ago.

MALE PARTICIPANT: All three units basically?

TONY ULSES: All three units.

JIM TRAPP: Yeah, and that might not have all been simultaneous. But I believe, anyway, that Unit 1 and 3, whatever this issue was with the pond emptying, it appeared that that occurred probably, as probably a common cause failure.

And the Unit 2, you know, somehow they lost RCC-I, but it's not clear to us exactly how

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1 they lost (inaudible) [retreat].

2 MALE PARTICIPANT: Okay.

3 JIM TRAPP: And then the explosion this
4 afternoon didn't help recovery matters any.

5 MALE PARTICIPANT: Jim, is anybody
6 looking at electrical power of, you know, asking for
7 resources on getting any kind of electrical power --

8 JIM TRAPP: I hope they do. I mean,
9 that's, to me, that's part of the solution. And you
10 know, I mean, if we're brainstorming back in
11 Washington, you guys could really do a good job in
12 figuring out how to get the -- I mean, you know, do
13 you want to go high-pressure? Do you want to go
14 low-pressure? Do you want to bring in some portable
15 generators and hook them up? I mean, all those kind
16 of things might be helpful because the Army or Navy
17 and, or, the Armed Forces would probably have those
18 resources available.

19 MALE PARTICIPANT: Okay.

20 MIKE WEBER: Okay.

21 DAVE: Hey, Jim, this is Dave
22 (Inaudible) [Skein] (phon). There's supposed to be
23 a lot of GE folks over there doing refueling anyway.
24 Would they have any thoughts they could help with,
25 ideas on injection?

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1 JIM TRAPP: You know what, I would --
2 you know, maybe that's a great thing for the NRC is
3 let's start putting together a group of, of experts.
4 You know, call in the Exelons, the GEs, get anybody
5 you can who might, might be able to help you. And
6 if we can, you know, put this effort together, the
7 call together, you know, a group of technical
8 experts, you guys could reach out to.

9 DAVE: Because I know the industry had
10 asked early on if there was anything they could do
11 to help in the first day or so of this event.



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15 MIKE WEBER: Yeah, we've got the names
16 and numbers. We've talked to these folks already.
17 That's why we know they're primed and ready to
18 provide assistance.

19 JIM TRAPP: All right. That would be
20 great.

21 DAVE: Any way to get technical
22 information from them about their current -- you
23 know, the current, you know, your diagrams and
24 drawings or, you know, kind of --



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MALE PARTICIPANT: So, okay.

MIKE WEBER: Do you have an idea when
this call's going to take place?

JIM TRAPP: Well, we're hoping tonight.
Well, I don't know, I don't know what it is in
Washington, but tonight for us.

MIKE WEBER: Okay. Well, you're coming
up on seven o'clock, so do you think like nine
o'clock?

JIM TRAPP: You know, it -- you know as
much as I do and you could probably estimate it as
well as I could.

MIKE WEBER: And who's initiating the
call?

MIKE WEBER: Yeah. And who's initiating
the call?

JIM TRAPP: I think it would, I think it

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1 would be working through the ambassador. You know,
2 there --

3 MIKE WEBER: Okay.

4 JIM TRAPP: -- it could be, it could be
5 Army. I'm not sure.

6 MIKE WEBER: So we'll be ready to
7 support the call when it happens, and in the
8 meantime, we'll do our brainstorming and get our
9 contacts lined up so that they can be ready to
10 support.

11 JIM TRAPP: That would be, I think that
12 would be the best we can do.

13 MIKE WEBER: Okay.

14 MALE PARTICIPANT: What's, what's your
15 schedule, Jim? Are you getting up or just going to
16 bed, or what are you doing?

17 JIM TRAPP: Actually, we haven't -- I
18 don't --

19 TONY ULSES: We missed our opportunity
20 to sleep. I think that window has passed.

21 JIM TRAPP: I don't think we've slept
22 since Saturday.

23 TONY ULSES: I forgot, it's been so
24 long.

25 JIM TRAPP: It, it's been a while.

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1 TONY ULSES: I think we've lost our
2 chance.

3 JIM TRAPP: But, but, you know, tonight
4 might be the opportunity to do what needs to be
5 done, so.

6 TONY ULSES: Yeah, maybe we can get a
7 couple hours in.

8 MIKE WEBER: Do you guys want to spell
9 each other? Maybe somebody stays up and somebody
10 gets some sack?

11 JIM TRAPP: Yeah, we'll --

12 TONY ULSES: Yeah, maybe we'll figure
13 that out here in a bit, but --

14 JIM TRAPP: Yeah, we want to see how
15 this thing plays out first.

16 TONY ULSES: Yeah, we've got to give it
17 a while here because, hopefully, it's going to move
18 fast. I hope.

19 JIM TRAPP: Yep.

20 MIKE WEBER: Yeah, but you're not going
21 to be worth anything to anybody if you can't
22 function.

23 JIM TRAPP: Yes. Understood.

24 TONY ULSES: Appreciate it.

25 MIKE WEBER: Maybe somebody can get some

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1 sack time and somebody else stays up, and then you
2 just switch off in several hours. And that way, we
3 maintain the capability to support whenever these
4 activities happen.

5 TONY ULSES: I'm crashing, man. I'm
6 crashing.

7 JIM TRAPP: Understood.

8 MIKE WEBER: All right, you work that
9 out over there.

10 JIM TRAPP: Yes, sir.

11 MIKE WEBER: Anything else?

12 JIM TRAPP: That's it.

13 MIKE WEBER: All right.

14 JIM TRAPP: Anything from you guys?

15 MALE PARTICIPANT: No. Thank you.

16 We've been, we appreciate the information you guys
17 are providing. Keep up the good work.

18 Thanks, Jim. Thanks, Tony.

19 JIM TRAPP: Thanks. Well, hopefully,
20 we'll be talking soon.

21 MIKE WEBER: All right. Let's get
22 rolling.

23 MALE PARTICIPANT: You know, the State
24 Department, is what -- you know, the State
25 Department call, the tie-in, you need to get that

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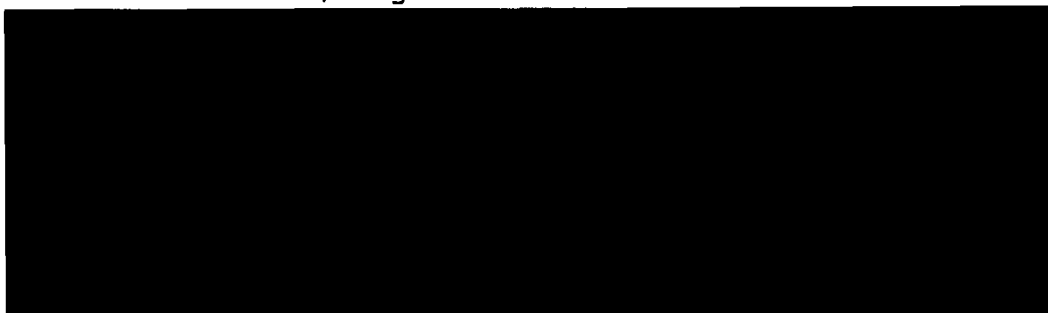
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1 call going back together because they've got the,
2 the --

3 MIKE WEBER: Can we assemble that call?

4 MALE PARTICIPANT: I think we ought to
5 try to assemble that call. I think you, you guys
6 have the number; right?



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11 MALE PARTICIPANT: Are they aware of
12 that?

13 MALE PARTICIPANT: This is an urgent
14 thing. I mean, this has to happen quick. We can
15 try to say --

16 MIKE WEBER: We've already talked to GE
17 and --

18 (Simultaneous conversation.)

19 MIKE WEBER: -- but we know the, you
20 know the contact is with either GE and Exelon, so
21 let's talk to them. It might be early, but see if
22 you can get people lined up to support the call.

23 MALE PARTICIPANT: Yeah.

24 MIKE WEBER: Do you want to do it Japan
25 time, or --

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1 MALE PARTICIPANT: Are we thinking a
2 nine o'clock call?

3 MALE PARTICIPANT: Well, I would say
4 that ASAP, as soon as you can -- I mean, I'm not
5 sure you need the GE people to be on the call we're
6 setting up here, because I think the first round is
7 --

8 MIKE WEBER: Yeah, you can even have the
9 call in advance with GE and say, hey, what are your
10 ideas about what could be done?

11 MALE PARTICIPANT: -- 'This is what we
12 understand.'

13 MIKE WEBER: Also, do we have the B5B
14 measures that were implemented at our comparable
15 units? We could, in a brainstorming way -- not to
16 identify them with a specific site -- but say, you
17 know --

18 MALE PARTICIPANT: I would guess that
19 someone would have one.

20 MIKE WEBER: -- would this work? Would
21 this work? Would this work?

22 MALE PARTICIPANT: Well, I, I would
23 think that they're on the B5B webpage -- not the
24 webpage but the --

25 MALE PARTICIPANT: Share point.

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1 MIKE WEBER: Share point site, B5B?

2 MALE PARTICIPANT: The B5B share point
3 site. I thought they were --

4 (Simultaneous conversation.)

5 MALE PARTICIPANT: -- going to be in?

6 MIKE WEBER: No, I'm not talking about
7 Sam Hughes. I'm talking about the measures that
8 were implemented to support the B5B --

9 MALE PARTICIPANT: Mitigative
10 strategies.

11 MIKE WEBER: -- under the February 2002
12 Order, mitigating strategies.

13 MALE PARTICIPANT: Eric will, would know
14 that.

15 MALE PARTICIPANT: Yeah -- and did.
16 What we just did is we got a call from Jim Trapp and
17 Tony, and they've (inaudible). The government in
18 Japan has just reached out us and said --

19 MIKE WEBER: Yeah, but if we did
20 associate the plant with -- I mean, we're in
21 brainstorming mode, so --

22 MALE PARTICIPANT: Yeah, so I mean --

23 MIKE WEBER: Yeah. You were saying
24 where they would be.

25 FEMALE PARTICIPANT: Yeah, that's what

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1 I'm saying. They'd be safeguarded, but they're not
2 going to be on the share point.

3 MALE PARTICIPANT: Okay, right. I
4 thought there was --

5 FEMALE PARTICIPANT: There was no, there
6 would have been no UO that was actually being
7 serviced (inaudible) but I know the safeguard one
8 actually had all the information.

9 MIKE WEBER: Okay. Do you know who
10 would have that?

11 FEMALE PARTICIPANT: INSR would probably
12 have them.

13 FEMALE PARTICIPANT: (Inaudible) email.

14 MALE PARTICIPANT: Dan doesn't have them
15 anymore.

16 FEMALE PARTICIPANT: No, it would have
17 been --

18 MIKE WEBER: Like Barry Westreich?

19 FEMALE PARTICIPANT: Yeah.

20 MIKE WEBER: So who's in early that
21 would have that information?

22 FEMALE PARTICIPANT: Do you want me to
23 go up and start looking and see who's up there now?

24 MALE PARTICIPANT: B5B.

25 MALE PARTICIPANT: Do you think that the

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1 Department of State --

2 MIKE WEBER: You've got other stuff
3 happening.

4 FEMALE PARTICIPANT: I'll call
5 (inaudible) and just tell him real quick.

6 MIKE WEBER: Yeah.

7 FEMALE PARTICIPANT: And that would be
8 -- I missed the beginning of it -- that they've
9 requested --

10 MIKE WEBER: They requested assistance
11 to help them figure out how to get water into the
12 ponds and then out of the ponds, into the plant to
13 initiate cooling ASAP.

14 FEMALE PARTICIPANT: Okay, and I'll go
15 see if I can track down the B5B.

16 MALE PARTICIPANT: Okay.

17 MALE PARTICIPANT: Then there was
18 another in terms of power.

19 MIKE WEBER: AC power, or --

20 MALE PARTICIPANT: Yeah, side
21 high-pressure or it's a low-pressure injection
22 depending on (inaudible) 41.6.B.

23 MALE PARTICIPANT: Glenna Lafford (phon).

24 MIKE WEBER: She did the --

25 MALE PARTICIPANT: She's on the line.

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1 Right?

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(CONFERENCE CALL INITIATED.)

01:10:40/1:11:27

(Extraneous conference call omitted.)

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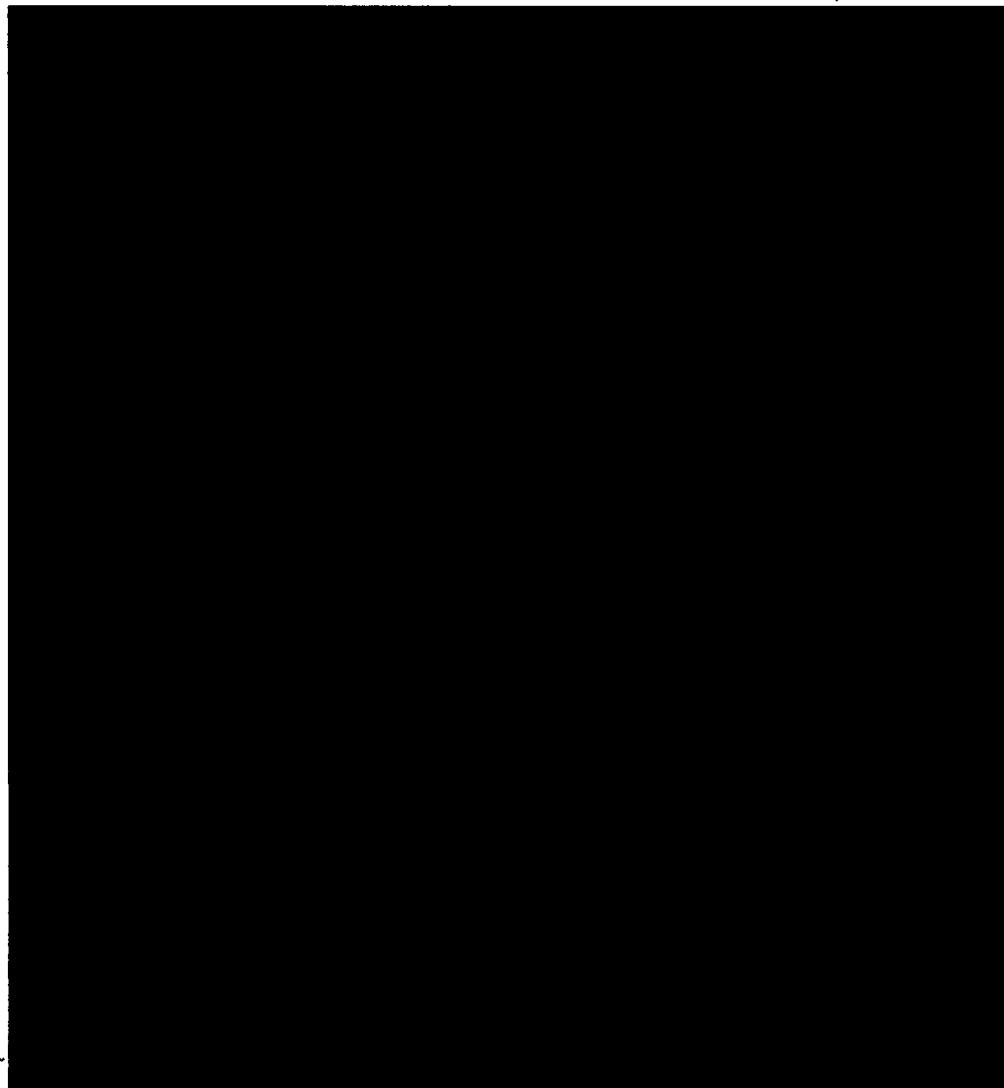
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(CONFERENCE CALL INITIATED)

1:11:27/1:13:33



JIM TRAPP: Sure. Okay.

MALE PARTICIPANT: Did you get a sense of numbers or, in specific places or anything like that, Jim, or just a general request for more people around the clock?

JIM TRAPP: Yeah, he didn't, you know, he didn't work through it, but if we're trying to staff 24/7, two locations, that would give us a

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1 sense.

2 MALE PARTICIPANT: Twenty-four seven,
3 two locations, and the expertise is on, like in
4 engineering and health physics and, you know, --

5 JIM TRAPP: Yeah, you know, certainly
6 the condition could transition, you know, as the, as
7 the event goes on but right now those would be the
8 two things he's looking for.

9 MALE PARTICIPANT: Okay. I'm on it.

10 JIM TRAPP: Okay.

11 MALE PARTICIPANT: And we got, we're
12 already working on setting up the call with the
13 response team. And you know, we've got State
14 involved, so hopefully they're getting it from the
15 ambassador and we're getting it from this side, so.

16 JIM TRAPP: Oh, excellent. That would
17 be great.

18 MALE PARTICIPANT: Thank you.

19 JIM TRAPP: And hopefully we can, we can
20 get some resources about here.

21 MIKE WEBER: And Exelon is on now with
22 the Reactor Safety Team.

23 MALE PARTICIPANT: Yeah, this is a good
24 thing. We're starting to, starting to move some
25 folks.

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1 JIM TRAPP: Very well. Thanks a lot.

2 MIKE WEBER: Thank you.

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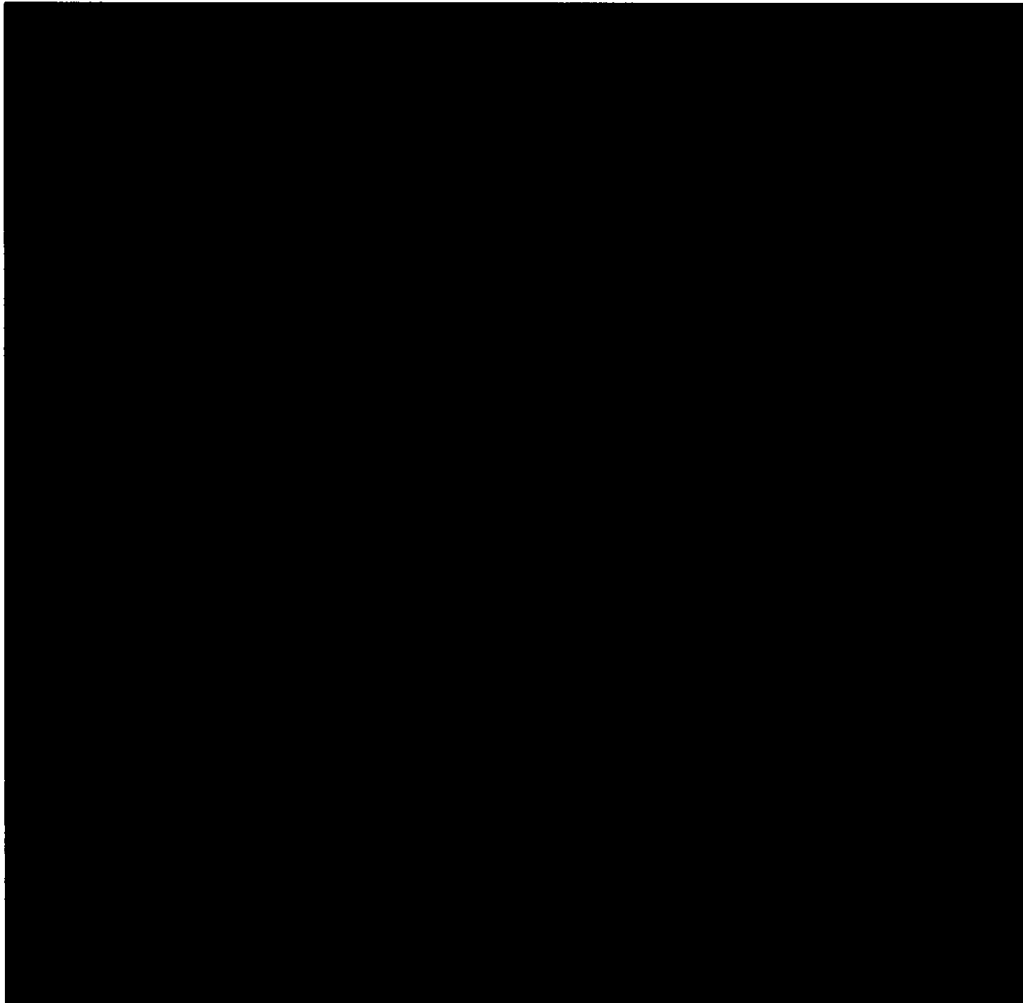
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(CONFERENCE CALL INITIATED)

1:13:37/1:17:53

MIKE WEBER: Good morning, how are you.

ERIC LEEDS: Wonderful. How are you?



ERIC LEEDS: Very good. Very good.

Okay.

MIKE WEBER: So it would be at least two locations with 24/7 staffing. So you're talking a minimum of six people.

ERIC LEEDS: Oh, my goodness. Okay.

MIKE WEBER: Now, again, we don't know

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ERIC LEEDS: Right.

MALE PARTICIPANT: Like what if we have
a problem with one of the units back here?

ERIC LEEDS: I understand.

MIKE WEBER: Okay.

ERIC LEEDS: Okay.

MIKE WEBER: So I would ask you to think
about that and work with your colleagues and
hopefully by maybe later this morning have who those
candidates list would be.

MIKE WEBER: Correct.

1 ERIC LEEDS: And these are going to be
2 people who need to understand reactors, but they're
3 also going to need to understand emergency response.

4 MIKE WEBER: And, and BWRs specifically,
5 I would think.

6 ERIC LEEDS: Yeah, yeah, yeah. I don't
7 know how big the population is, but we can start
8 going through it.

9 MIKE WEBER: Okay.

10 MALE PARTICIPANT: -- speak Japanese on
11 the reactor site.

12 ERIC LEEDS: Good enough. Anything
13 else, Mike?

14 MIKE WEBER: That's it for now.

15 ERIC LEEDS: All right. Hey, thank you
16 so much for taking the shift.

17 MIKE WEBER: Sure.

18 ERIC LEEDS: Are you doing all right?

19 MIKE WEBER: Yeah, I'm doing fine.

20 ERIC LEEDS: All right. Good.

21 MALE PARTICIPANT: Yeah.

22
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25 ERIC LEEDS: Right. Oh, should I

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1 include Tony and Jim Trapp in that number of six, or
2 is that on top of Tony and Jim?

3 MIKE WEBER: That's on top of Tony and
4 Jim.

5 MALE PARTICIPANT: That's on top because
6 Tony and Jim are going to be at the embassy and are
7 functioning there pretty well, I think. So they
8 requested that in addition.

9 ERIC LEEDS: I understand. Okay. Are
10 you going to do another call this morning?

11 MIKE WEBER: Yes, we are.

12 ERIC LEEDS: What time?

13 MIKE WEBER: It's going to be a
14 Commissioner's Assistants briefing at 7:30. And
15 there will also be a [sic] expanded HOO events brief
16 call at eight o'clock, which is really intended,
17 after we go through HOO update, to talk about
18 situational awareness for the benefit of people who
19 haven't been participating in the CA briefs.

20 ERIC LEEDS: Okay. Which would you
21 recommend for me, Mike?

22 (HOO interrupts call to announce the
23 Chairman.)

24 MIKE WEBER: I would participate in the
25 second one, Eric.

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ERIC LEEDS: All right. Eight o'clock?

MIKE WEBER: Yes.

ERIC LEEDS: Thanks, Mike.

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(CONFERENCE CALL INITIATED.)

1:17:53/1:23:53

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1 CHAIRMAN JACZKO: Okay.

2 MIKE WEBER: So we just got off the
3 phone with Eric. We said we don't know whether
4 we'll support this, but you'd better start thinking
5 about, if the Chairman decides to do this, who are
6 the candidates that would fill these positions?

7 CHAIRMAN JACZKO: Okay. Yeah, we
8 absolutely support the request, again, unless you
9 would say otherwise.

10 MIKE WEBER: No.

11 CHRIS MILLER: No.

12 CHAIRMAN JACZKO: Good. Good. So,
13 yeah, let's support it, and let's get people
14 mobilized immediately.

15 MIKE WEBER: Well, we've got to come up
16 with our list first and come back. So I asked Eric,
17 by mid-morning, to have those people identified, or
18 by this morning.

19 CHAIRMAN JACZKO: Uh -- I'm sorry

20 MIKE WEBER: No --

21 CHAIRMAN JACZKO: I'm sorry?

22 MIKE WEBER: Well, I was just going back
23 to the first request. So you know, we've notified
24 the State Department that we've gotten this request.

25 CHAIRMAN JACZKO: Okay.

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1 MIKE WEBER: We've, we've asked them to
2 put together the conference call that we've been
3 having on a routine basis because it's all the same
4 players --

5 CHAIRMAN JACZKO: Okay, good.

6 MIKE WEBER: -- to coordinate these
7 kinds of things.

8 We've reached out to Exelon and to GE to
9 get their ideas.

10 CHAIRMAN JACZKO: Okay.

11 MIKE WEBER: And so we'll feed them into
12 the Reactor Safety Team here. So we're rolling on
13 the first request as well.

14 CHAIRMAN JACZKO: Okay. Now can I ask
15 you just, as I work with my counterparts at my
16 level, was the request specifically for NRC
17 assistance or for US government assistance or for a
18 series of specific agencies?

19 MIKE WEBER: The first request was for a
20 variety of agencies to provide the support...

21 CHAIRMAN JACZKO: Okay.

22 MIKE WEBER: ...because of course it
23 involves military assets; you know, tanker trucks,
24 airports, helicopters, those sorts of things.

25 CHAIRMAN JACZKO: Okay. Good.

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1 MIKE WEBER: But on the technical side,
2 I think, while I didn't hear it stated, I think
3 there was a presumed, you know, NRC's kind of got
4 the technical expertise to provide this kind of
5 advice.

6 CHAIRMAN JACZKO: Okay.

7 MIKE WEBER: Is that what you heard?

8 CHRIS MILLER: Yeah. What we, what we
9 were thinking only on the request from -- in cancer
10 Jim Trapp, Chairman -- was that --

11 CHAIRMAN JACZKO: I'm sorry. Can you,
12 can you identify yourself? I can't recognize your
13 voice.

14 CHRIS MILLER: Oh, Chris Miller. I'm
15 sorry.

16 CHAIRMAN JACZKO: Oh, hi, Chris.

17 CHRIS MILLER: The request we heard from
18 Jim Trapp sounded like, hey, we need, we need help
19 from the US government in the capability to help
20 cool the core, and so it goes to technical expertise
21 and the equipment should they need to bring the
22 equipment in. The Army Corps of Engineers was
23 mentioned; you know, other ways to get water pumped
24 up from the sea into the core.

25 CHAIRMAN JACZKO: Okay.

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1 MIKE WEBER: What you may not know,
2 Chairman, because we just found this out overnight
3 is that they lost --

4 CHAIRMAN JACZKO: Mike, I just, I just
5 read the 0600 sitrep.

6 MIKE WEBER: Oh, okay, then you're on
7 top of it. So --

8 CHAIRMAN JACZKO: Okay, well --

9 CHRIS MILLER: And then the number two
10 -- oh, hold on. Go ahead.

11 MIKE WEBER: No -- go ahead, Chairman.

12 CHAIRMAN JACZKO: I'm going to forward
13 this to the counterparts at my level, just to make
14 sure that this is getting to the highest level, the
15 request for assistance. And so what I can say is
16 that at the technical level we're organizing a call
17 with our counterparts at, very shortly to, to, to
18 begin discussions at a technical level with our
19 Japanese counterparts. Is that correct?

20 MIKE WEBER: That's correct.

21 CHAIRMAN JACZKO: Okay. And then we'll
22 be working, and I'll suggest that the focus of
23 people at my level should be on how we can help
24 coordinate and assist getting the assets to Japan
25 that, that have been requested.

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1 MIKE WEBER: Right.

2 CHAIRMAN JACZKO: Okay. Thanks, Mike.

3 MIKE WEBER: Okay, thank you.

4 CHAIRMAN JACZKO: Second, and this is a
5 logistical issue, can we have a car sent to, to me
6 as well?

7 MIKE WEBER: Right now?

8 CHAIRMAN JACZKO: Yes.

9 MIKE WEBER: Sure.

10 CHAIRMAN JACZKO: Okay.

11 MIKE WEBER: Where are you?

12 CHAIRMAN JACZKO: I'm at home.

13 MIKE WEBER: Okay.

14 CHAIRMAN JACZKO: I don't want to, I
15 don't want to get in a place where I'm not able to
16 receive phone calls.

17 MIKE WEBER: Okay.

18 CHAIRMAN JACZKO: so I, I'll get in the
19 car and then we can go from there.

20 MIKE WEBER: Okay. Understood.

21 CHAIRMAN JACZKO: Okay, thanks. So, at
22 this point, I'll still expect the 7:30 update and
23 then I believe I still have the eight o'clock sitrep
24 call.

25 MIKE WEBER: That's our understanding

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1 too, sir. We haven't heard any official
2 communications on the, the deputies call.

3 CHAIRMAN JACZKO: Okay.

4 MIKE WEBER: But we have asked the INSR
5 staff to stand up the capability to support that
6 call.

7 CHAIRMAN JACZKO: Okay, good. Thanks,
8 everybody.

9 MIKE WEBER: Okay, thank you.
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(CONFERENCE CALL INITIATED.)

1:23:53/1:26:45

CHAIRMAN JACZKO: Hi, Mike.

MIKE WEBER: Hi, Chairman.

CHAIRMAN JACZKO: I, we're supposed to have an eight o'clock CVTS call.

MIKE WEBER: Okay.

CHAIRMAN JACZKO: Do you have recommendations on the timing of that? I, I was asked whether it should be earlier. I suggested not so that we have a little bit of time to mobilize and figure out kind of what we need and what we don't have.

MIKE WEBER: Yeah, I would agree with that.

CHAIRMAN JACZKO: Would you, would you have recommendations on any time other than eight o'clock? In other words, should it be later? Do we need a little bit more time, or is that the right time for me to have that group kind of discuss where the gaps are, and things like that?

MIKE WEBER: I would, I would favor doing it at eight and would not suggest pushing it back because, you know, there's some urgency to making the arrangements to provide the assistance

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1 that the Japanese have asked for.

2 CHAIRMAN JACZKO: Okay. Good. That's
3 what I was looking for. All right.

4 And one other question. Has the request
5 been distributed throughout the federal government?

6 MIKE WEBER: We are making the
7 arrangements for that call so that we can make
8 certain that all the involved agencies know about
9 the request.

10 CHAIRMAN JACZKO: Okay. Do we need help
11 with that?

12 MIKE WEBER: I think it's already in
13 motion.

14 CHAIRMAN JACZKO: Okay. Good.

15 MIKE WEBER: Yeah, we -- go ahead.

16 CHAIRMAN JACZKO: No, go ahead, please.

17 MIKE WEBER: Well, we've gone back to
18 the State Department point of contact who is
19 routinely arranging these calls and we said we need
20 this within the hour.

21 CHAIRMAN JACZKO: Okay. Good.

22 MIKE WEBER: She was rolling on it.

23 CHAIRMAN JACZKO: Okay. Good.

24 I'm going to hop in a car. I changed
25 plans on how I'm getting in. I'm just going to hop

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1 in a car and drive myself up there. So I plan to
2 get briefed at 7:30, but if you need to defer that
3 at this point to, to get everything else mobilized,
4 we can do that. I just want to make sure, by eight
5 o'clock, I have a status of where we are and an
6 update on anything that we need or anything that,
7 issues with getting the assets organized and the
8 assistance organized.

9 MARTY VIRGILIO: Yeah, Chairman, this is
10 Marty. When you get in here, we'll brief you.
11 We're ready, so we're set up at 7:30.

12 CHAIRMAN: Okay. Good.

13 MARTY VIRGILIO: If you want to come
14 down to the ops center or if you would like to do it
15 from your office, wherever, we can set it up.

16 CHAIRMAN JACZKO: Okay. Good. I may
17 not be in by 7:30, but I will -- if not, we'll just
18 do it on the phone.

19 MARTY VIRGILIO: Okay. We'll just plan
20 to do it at 7:30 then.

21 CHAIRMAN JACZKO: Okay. Good. Thank
22 you.

23 MIKE WEBER: Thank you.
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(CONFERENCE CALL INITIATED.)

1:26:45/1:31:50

(Standby until 1:30:44.)

CHAIRMAN JACZKO: Good morning,
everybody.

MARTY VIRGILIO: Good morning, Chairman.
This is Marty.

CHAIRMAN JACZKO: Hi. Can somebody just
-- I should be in, in about 10 minutes. Can, can
somebody just make sure that we have, we're all set
to go, with the secure video teleconference for the
eight o'clock, the eight o'clock call with Brennan?

MARTY VIRGILIO: Yes. That's working.

CHAIRMAN JACZKO: I'm sorry. Can you
repeat that?

MARTY VIRGILIO: Yes, Chairman. We're
already working on that.

CHAIRMAN JACZKO: Okay. Great.

MARTY VIRGILIO: We're almost prepared
for that, for the secure call at eight.

CHAIRMAN JACZKO: Excellent. Thank you.
And I'll be in, hopefully, in about 10 minutes. Is
that sufficient time to brief me before eight, or do
we need to do it now?

MARTY VIRGILIO: No, sir. You can come

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1 on in, in 10 minutes. That's fine.

2 CHAIRMAN JACZKO: Great. Thanks, Marty.

3 MARTY VIRGILIO: Josh has -- Chairman?

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1 (CONFERENCE CALL INITIATED.)

2 1:31:50/1:32:51

3 (Standby until 1:31:50.)

4 (Extraneous conference call omitted.)

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1 (CONFERENCE CALL INITIATED.)

2 1:33:04/1:33:37

3 HOO: Marty, Brook Smith asked us to
4 call the Tokyo operations center.

5 MARTY VIRGILIO: Yes.

6 HOO: We have somebody there. They,
7 they didn't know exactly who we're looking for. Do
8 you need somebody with technical expertise?

9 MARTY VIRGILIO: No, sorry. We're
10 looking for the ambassador himself.

11 HOO: Oh, the ambassador himself. Okay.
12 Hold on, please. I'll get back to you.

13 MARTY VIRGILIO: Thank you.
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(CONFERENCE CALL INITIATED.)

1:34:03/1:46:22

(Standby until 1:35:00.)

BRIAN McDERMOTT: [REDACTED]

morning. My name is Brian McDermott.

[REDACTED] How are you?

BRIAN McDERMOTT: Okay, sir. I, I was trying to get some connection into Ambassador Roos to discuss the situation in Japan and the request for assistance.

[REDACTED] Right. Yeah, he just went to a secure conference call that's chaired by the NSC on the Japan situation. It just started.

BRIAN McDERMOTT: Okay. The reason for my call is because we did have notification at 5:50 Eastern Time this morning that Japan has requested US technical assistance in dealing with Fukushima Daiichi Units 1, 2, and 3 cooling.

[REDACTED] Okay.

BRIAN McDERMOTT: And we've been working to try to set that up through the DART team.

[REDACTED] Right.

[REDACTED] Okay.

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1 BRIAN McDERMOTT: We understand that the
2 DART team cannot take action without validation from
3 the ambassador.

4 [REDACTED] Oh, is that right?

5 Okay.

6 BRIAN McDERMOTT: And so, somehow, we
7 need to make that happen because we need to get the
8 US resources together, whether it's the Department
9 of Defense or others, with heavy equipment, pumps,
10 generators, the kind of stuff with --

11 [REDACTED] Right.

12 BRIAN McDERMOTT: -- our technical
13 people and coordinate what needs to get to those
14 units.

15 [REDACTED]: Right.

16 BRIAN McDERMOTT: I want to, I want to
17 impress upon you that time is, is very important.

18 [REDACTED] Right.

19 BRIAN McDERMOTT: These units have been
20 without cooling for an extended period of time.

21 [REDACTED]: That's correct.

22 BRIAN McDERMOTT: We were waiting for
23 this request, and we're looking for some help to do
24 a kind of --

25 [REDACTED] Okay, I'm sorry. When

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1 you say "this request," this is the Japanese request
2 for fire trucks from USFJ? Is that what you mean by
3 "this request"?

4 BRIAN McDERMOTT: We, we have a, a
5 request that came in, and it was relayed to us
6 through the folks that were at the, our staff that
7 were at the embassy, that they had requested
8 technical assistance in establishing and, and
9 providing cooling for the cores on Units 1, 2, and
10 3.

11 [REDACTED] Yes. Okay, what I'm
12 aware of is the Japanese have requested what they're
13 calling "fire trucks" or vehicles that can pump
14 water at high speed for use in injecting sea water
15 into the reactors. Are you talking about that or
16 about something separate?

17 BRIAN McDERMOTT: Yes, and, and that's
18 probably a simplification of -- that's one way you
19 can do it. There are a lot of different pieces of
20 equipment that we know of that are available to --

21 [REDACTED] Right.

22 BRIAN McDERMOTT: -- to US organizations
23 that could be used to do it.

24 [REDACTED] Right.

25 BRIAN McDERMOTT: And we've got people

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1 working on how to lash those pieces of equipment
2 together.

3 [REDACTED] Right.

4 BRIAN McDERMOTT: But the issue is
5 getting this group that's been convening regular
6 conference calls, coordinated by the State
7 Department, to pull back together the people we need
8 to talk to --

9 [REDACTED] Right. Okay.

10 BRIAN McDERMOTT: -- to authorize them
11 to provide the support.

12 [REDACTED] Okay. I guess I'm still
13 -- I'm sorry -- I'm just not quite understanding.
14 What we're working right now is talking to USFJ to
15 see if they have equipment that meets the
16 requirements of what the Japanese are asking for.
17 We've been working this issue now for several hours,
18 but are you, is that what you're talking about?

19 BRIAN McDERMOTT: I think this, while it
20 probably has the same objective --

21 [REDACTED] Okay.

22 BRIAN McDERMOTT: -- this, this is, it
23 may be a different request. It came from, it was
24 relayed to us by the NRC personnel that were at the,
25 at the embassy.

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1 [REDACTED] Yeah, I'm sure it's the
2 same one because we've been working. You're talking
3 about Jim and Tony? Is that who you're --

4 BRIAN McDERMOTT: Yes.

5 [REDACTED] Yes. Yeah, we've, we've
6 been working this issue with them. Yes, okay. And
7 what we're trying to do is establish -- because we
8 got this request from someone who's like me, not an
9 expert.

10 And so what we're trying to do is we
11 obtained a contact point at Tepco, the operator, and
12 we have someone from USFJ talking directly to him to
13 make sure we understand what the request is. And
14 then USFJ, in turn, is going to be seeing what they
15 could possibly provide that would meet the request.

16 And that conversation, I'm hoping, is going on now.

17 We lashed them up about an hour ago, I would say.

18 BRIAN McDERMOTT: Okay, so to your
19 understanding, the U.S. Forces Japan are talking
20 directly with the operator of the facility?

21 [REDACTED] That's correct, and the
22 name of the person is from J4, you know, Operations,
23 and his name is [REDACTED]. And he is
24 speaking with a person at Tepco in their Fukushima
25 office.

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1 MALE PARTICIPANT: Fashima?

2 [REDACTED] Fukushima, which is the
3 place where the reactors are, and Tepco is the power
4 company, the Tokyo Electric Power Company.

5 MALE PARTICIPANT: Sure. Okay.

6 BRIAN McDERMOTT: Okay --

7 [REDACTED] Yes, so we got that
8 request a couple hours ago and, as I said, with the
9 advice of Tony and Jim, you know, we wanted to get a
10 little better sense of what the needs were because
11 there may be another way of meeting the needs, and
12 we wanted to, you know, keep all the options sort of
13 out there. So that's why we're having this
14 conversation.

15 But Ambassador Roos has talked with the
16 commander of USFJ, and I think he very much
17 understands the high priority of this request.

18 BRIAN McDERMOTT: Okay, so it, it sounds
19 like we were trying to coordinate something more
20 remotely.

21 Can, can we just put you on hold for one
22 second?

23 [REDACTED] Sure. Sure.

24 (Conference call muted briefly at
25 1:40:55.)

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(Conference call resumed at 1:41:14.)

BRIAN McDERMOTT: Okay, [REDACTED]

[REDACTED] Yes.

BRIAN McDERMOTT: Okay, we were just having a conversation back here. As we understand it, what the Tepco folks have done is established a pit that's in the vicinity of the reactors, and they're pumping the seawater into that pit, to mix it with boric acid before it gets pumped through a second mechanism up to the reactor facility.

[REDACTED] That's our understanding.

BRIAN McDERMOTT: Okay, so what we had folks here working to do was identify other ways or means that they could pump it from the pit up to the reactor.

And so what we're trying to understand is, you know, is that dialog ongoing now between the people on the, on the ground, U.S. Joint Forces Japan and Tepco, dealing with filling up the pit with seawater or getting that mixture from there up to the reactor, and do they need this technical assistance on ways to get it into the reactor?

[REDACTED] Right. And to be honest, getting any technical assistance is a

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1 question I don't know. What they were focusing on
2 was trying to get from us equipment to get more
3 seawater into the pit because the level of seawater
4 is too low, is what we were told.

5 BRIAN McDERMOTT: Okay, so it wasn't, as
6 you understood the problem, it wasn't getting it
7 from the pit up to the reactor? It was getting it
8 into the pit full?

9 [REDACTED] And again, I'm not, with
10 the qualification I'm not a reactor person, my
11 understanding is they stopped siphoning water from
12 the pit to the reactor because they don't have any
13 electricity. And so, when the level of the water in
14 the pit was too low, their siphoning method no
15 longer worked. That's my lay understanding of the
16 problem.

17 BRIAN McDERMOTT: Okay. Okay. I
18 understand.

19 [REDACTED] And so they wanted a,
20 you know, they wanted a fire truck that had a
21 high-pressure nozzle that they could use. But, and
22 my assumption was that that was to get water from
23 the ocean into the pit, but I'm not positive. I'm
24 not positive about that.

25 BRIAN McDERMOTT: All right. Okay. I

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1 understand.

2 FEMALE PARTICIPANT: If, if that's the
3 case, I mean, the recommendations that we have is
4 all the -- you know, the military has the
5 firefighting equipment.

6 BRIAN McDERMOTT: Right.

7 MALE PARTICIPANT: Right.

8 FEMALE PARTICIPANT: -- there with some
9 baskets. You know, if they're trying to fill the
10 pit as fast as possible, bringing firefighting
11 baskets --

12 MALE PARTICIPANT: Right.

13 FEMALE PARTICIPANT: -- and then
14 bringing firefighting equipment, one of the watering
15 pumps --

16 MALE PARTICIPANT: Watering pumps.

17 FEMALE PARTICIPANT: -- off of the Navy
18 ships.

19 [REDACTED] Can I, I have a fairly
20 long email that has names, phone numbers -- can you
21 -- if somebody can give me an email address, I'd be
22 happy to forward this to you.

23 BRIAN McDERMOTT: Sure.

24 [REDACTED] It has the names of
25 people we were working with an OSD and the names of

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1 people at USFJ and then the, our Energy folks here.

2 Would that help you?

3 BRIAN McDERMOTT: Yeah, sure. If you
4 would send that to HOO --

5 [REDACTED] HOO --

6 BRIAN McDERMOTT: -- dot HOC --

7 [REDACTED] Dot HOC --

8 BRIAN McDERMOTT: @NRC.gov.

9 [REDACTED] @NRC.gov. Okay.

10 HOO.HOC@NRC.gov?

11 BRIAN McDERMOTT: That's correct.

12 [REDACTED] Okay, I just sent it.

13 So it's called "Urgent Request for Water Pumping
14 Capacity," so hopefully that will appear. And take
15 a look at that because that may answer some of the
16 --

17 BRIAN McDERMOTT: Okay.

18 [REDACTED] -- some of the --

19 BRIAN McDERMOTT: Yep, I see that.

20 Actually, we, we have a fax of that email.

21 [REDACTED] Oh, okay, you already
22 have that, then. Okay.

23 BRIAN McDERMOTT: Okay. All right, so
24 that's the best information you have?

25 [REDACTED] That's correct. And as

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1 I said, someone in our office talked with Derek
2 Mitchell, who's the Senior Deputy Assistant
3 Secretary for East Asia at OSD, and sort of saying
4 we need to make this a priority. 6

5 And then [REDACTED] is the person
6 that General Field, who's the Commander of USFJ,
7 identified as the best, his best guy for sort of
8 knowing what equipment they had and so forth.

9 And then, you know, there's the phone
10 numbers of the people at Tepco in here as well.

11 BRIAN McDERMOTT: Okay. All right,
12 thank you. We'll -- do you have anything for us? 6

13 [REDACTED] No. You know, we, we'll
14 sort of stepped back, once the two, the operator at
15 Tepco and USFJ got together because obviously -- but
16 if there's anything we can do, let us know. This is
17 like our highest priority right now.

18 BRIAN McDERMOTT: Yeah.

19 [REDACTED] So, if there's something 6
20 else we can do, certainly do let us know.

21 BRIAN McDERMOTT: Okay, yeah it, I did
22 not know when we initiated this call that, that
23 Tepco was talking directly with USFJ on the ground.
24 That, that is important for those people to be
25 talking, so --

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1 [REDACTED] Yeah, because I think
2 USFJ's feeling was, rather than just sending
3 something up based on this, they'd like to have a
4 little better sense of what they're needing to see
5 and how they might help them meet their needs.

6 ~~BRIAN McDERMOTT: Okay. All right.~~

7 Thank you.

8 [REDACTED] Sure. Good luck.

9 Goodbye.
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1 (CONFERENCE CALL INITIATED.)

2 1:46:22/2:23:38

3 (Standby until 1:47:23.)

4 BRIAN McDERMOTT: Okay, good morning
5 everybody. I'd like to bring you up to speed.

6 I know many of you have probably seen
7 the developing events in Japan since Friday. The
8 Headquarters, once we, we understood that the Region
9 IV sites would not have any issues associated with
10 the tsunami, our focus switched to monitoring the
11 situation in Japan and being on standby, if you
12 will, to provide any analysis that might be required
13 or requested.

14 The situation has been very dynamic.
15 The information flow has been very challenged due to
16 the, just the level of damage in Japan. I don't
17 know if you all have been seeing some of the
18 detailed photos and so forth, but it, it is quite
19 incredible, some of the damage that's, that's been
20 sustained.

21 While their facilities were designed for
22 large earthquakes, this was certainly an extremely
23 large earthquake. I'm not an expert in that area,
24 but, but it's just impressive, the amount of damage,
25 and to follow that line with a very large wave or

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1 waves from the tsunami has resulted in some
2 significant problems at some of the nuclear power
3 facilities.

4 In particular, Fukushima Daiichi is a
5 six-unit site. Three of the units were shut down at
6 the time of the event for refueling and the other,
7 the other three units that were operating at the
8 time of the earthquake and tsunami, they did shut
9 down. However, the management of decaying heat has
10 been a challenge because they've had no AC power for
11 several days now.

12 The, the scenarios began to develop much
13 like one would expect from an analysis of station
14 blackout. The, you know, the operators were doing
15 what they could with steam-driven pumps in some
16 cases to provide core cooling, but that situation
17 has continued to degrade.

18 Currently, we believe that Unit 1, they
19 likely have core damage. The status of the core
20 coverage is highly uncertain. They did manage to
21 put together the means to inject borated seawater
22 into the reactor vessel, but that capacity has now
23 been lost.

24 You may have seen footage over the
25 weekend of the Unit 1 reactor building, the upper

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1 floor of that reactor building. Like in our
2 country, that refueling floor is actually covered by
3 corrugated metal as opposed to the concrete
4 structure that's the rest of the building. They had
5 an accumulation of hydrogen that exploded and
6 basically blew the covering off that, that top floor
7 of the reactor building in Unit 1. That means
8 they've lost secondary containment.

9 Our understanding is that the primary
10 containment remains intact. They have had to vent
11 that primary containment periodically through the
12 weekend to maintain within pressure limits, but
13 that, that venting and the lack of cooling for the
14 core has resulted in some fission products being
15 detected outside the facility.

16 We have very limited information in
17 terms of what's being monitored off site. We do
18 know that the prevailing winds have been offshore,
19 so away from the population, and very early on in
20 the event, the Japanese government implemented
21 emergency procedures to evacuate around the
22 facility. Right now, I believe they're evacuated
23 out to a, a distance of 20 kilometers.

24 The situation remains uncertain. We
25 have had a request this morning -- and this applies

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1 to all three units -- to help provide technical
2 assistance, and they've actually asked for, for
3 assistance from the US government in terms of
4 getting some means to get, bring water back in to
5 cool those cores.

6 As time goes on, obviously, the, the,
7 the core continues to cool down. However, you know,
8 the farther away you are from the shutdown, the
9 better off you are. However, there's still a lot of
10 decay heat there, and you know, melting of the fuel
11 is not out of the question. Given the amount of
12 time that we believe they've been without core
13 coverage, you know, at different times through the
14 weekend, it would not be surprising at all to
15 understand that they've had some real core damage.

16 Unit 2 was in the best [sic] of the
17 three. They had RCICS operating -- that's the
18 reactor core isolation cooling system -- operating
19 for, for periods of time. However, at this point,
20 we understand that they've lost that ability to
21 inject water. Again, you know, that, for the Unit
22 2, we had heard that they did still have the core
23 covered, but then this morning, it sounded like
24 perhaps it was, was not the case any longer.

25 The primary and secondary containment

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1 are intact on Unit 2. They've been doing the
2 periodic venting of containment. The very sketchy
3 dose information or rad information that we have,
4 the Protective Measures Team said that that looks
5 consistent with, with the venting and what we would
6 anticipate core conditions to be. So it's, again,
7 just not a good situation. The basic problem is,
8 without AC power, there's no way to remove heat from
9 the containment.

10 Japanese officials at this time, because
11 of what happened earlier on Unit 1 and then just
12 last night with Unit 3, Japanese officials are
13 suggesting the possibility of a secondary
14 containment explosion at Unit 2 in the future.

15 Unit 3, the status of the core coverage
16 is highly uncertain. The ability to inject seawater
17 has been lost. They have been venting the
18 containment. They had a hydrogen explosion at
19 approximately 11:00 p.m. last night our time, and
20 that, again, similar to Unit 1, resulted in a breach
21 of secondary containment. Primary containment, we
22 believe, remains intact.

23 We do have even more limited information
24 about some of the other Japanese nuclear sites.
25 However, it seems that the Fukushima reactors, based

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1 on what we know at this point, are the ones of
2 greatest concern.

3 You may have seen in the press that NRC
4 has sent two individuals, two BWR experts. Tony
5 Ulises and Jim Trapp went via two different routes
6 to, initially to aid in providing information to the
7 US Ambassador in Japan. They went over as part of a
8 group with USAID that's run out of the State
9 Department, and they are coordinating the overall
10 federal efforts to support Japan on, on many fronts
11 at this point in terms of the scope of what they're
12 looking at.

13 We are responding, though, to specific
14 requests from the Japanese government. So we're not
15 pushing forward without, without their identified
16 needs.

17 The, this morning at 5:50, we did have a
18 request for US technical assistance in calling the
19 Fukushima 1, 2, and 3. At that time, it was
20 indicated that they had been without cooling for
21 approximately 18 hours. We understand that
22 coordination on the ground is taking place between
23 the U.S. Forces in Japan and the, the operator of
24 the power plants.

25 We are working to identify individuals

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1 to send to Japan. We've had the request for NRC
2 experts to embed with Japanese counterparts in two
3 operations centers, to EOCs, and we're looking at
4 NRR to coordinate the, the identification of
5 individuals to do that. Two facilities,
6 round-the-clock staffing -- at this point, the
7 notion is at least six individuals. That's in
8 addition to Jim and Tony.

9 We remain staffed with a full liaison
10 team here at Headquarters. We have a partial
11 Reactor Safety Team and Protective Measures Team.
12 We're reaching out to Research on calculations of
13 the core and running some models to, to kind of try
14 to give us some sense of where they are. They are
15 managing this emergency, and our role is really to
16 provide support.

17 You may have seen a press release last
18 night where, where NRC was basically kind of
19 stepping out to do two things. One was to inform
20 folks that there's, there's not a threat to, to, you
21 know, US citizens either in Hawaii or on the West
22 Coast due to this unfolding event, and two, to, you
23 know, acknowledge that, that, you know, the Japanese
24 are working on this. They have a sophisticated
25 system of emergency preparedness and they are very

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1 technically competent. So they've just been dealt
2 tough hand of cards here.

3 With that, I'll take a breath and see if
4 anybody has any questions.

5 MALE PARTICIPANT: Do we know why they
6 lost the ability to inject seawater, they had that
7 ability and then lost it?

8 BRIAN McDERMOTT: We understand what
9 they're doing is pumping from, from the sea up into
10 a pit near the, near the reactor building and then
11 mixing in boric acid before it's siphoned from there
12 into the reactor. And it sounded like -- and again,
13 this is all very sketchy -- but they lost the
14 ability to get the seawater into the pit.

15 So part of the requests this morning
16 that we saw, actually in writing, were for fire
17 trucks to help pump, as we understand it now, into
18 the pit. But we're working to confirm that and to
19 see if they need any other assistance in terms of
20 how to get the water into the reactor.

21 Any other questions?

22 CHARLIE MILLER: (Inaudible).

23 BRIAN McDERMOTT: Yes, Charlie.

24 CHARLIE MILLER: What --

25 FEMALE PARTICIPANT: Have we looked at

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1 our B5B measures for these type designs and seeing
2 if we can come up with anything other than what
3 they've tried, to send over maybe to Jim Trapp?

4 BRIAN McDERMOTT: Yes, the Reactor
5 Safety Team is looking at that. They've pulled the,
6 some of the B5B materials. And they are also
7 reaching out to GE and to Exelon. Exelon has two
8 units that are relatively similar as far as we know.

9 We don't have detailed information on
10 the Japanese actual as-built design, so, you know,
11 some of you may remember hardened vent mods on Mark
12 I containment.

13 FEMALE PARTICIPANT: Yes.

14 BRIAN McDERMOTT: You know, inference
15 would be they didn't have that, but we don't know
16 for sure.

17 So we don't have all the details, but
18 we're reaching out to people that do have general
19 information about these design, GE and Exelon, to
20 mix that with what we know about the B5B measures
21 that, that we were involved with to come up with
22 some recommendations should it come to that.

23 And like I said, we're looking back with
24 the people right now, relative to this morning's
25 request, to make sure that they're getting what they

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1 need. And from the gentleman we just spoke with
2 just before this call with the State Department, it
3 was really just the fire trucks they were looking
4 for at this point in time. But we're making sure
5 that's the case.

6 CHARLIE: Brian, it's Charlie again.
7 Two questions. First, do, do we have any
8 information about their other nuclear units? Are
9 they operating to provide electricity to the
10 country? I know they're in desperate need of it.

11 BRIAN McDERMOTT: Yeah, I believe there,
12 there was some information that indicated they had
13 lost about 20 percent of their grid power. The, the
14 other units in the northern, the other units in the
15 northern part of the country are shut down in, in,
16 probably in different stages of dealing with, you
17 know, the, the damage from the earthquake. We don't
18 have any detailed information about those units, so
19 that is something that we're watching, Charlie, but
20 the information flow is really tough.

21 CHARLIE: I understand.

22 The second question is, we haven't
23 really talked about the spent fuel pool cooling. Do
24 we know if they've got any methods at all to keep
25 this spent fuel cooled in the affected reactors at

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1 Fukushima?

2 BRIAN McDERMOTT: Well, right now, the
3 two of them are exposed to, to the environment.

4 CHARLIE: Right. Exactly.

5 BRIAN McDERMOTT: There, there was --we
6 did have a question in, and I don't believe we ever
7 got the specific answer back, but we were interested
8 in whether there was any leakage from those pools.
9 But the summary statement that we got back from Tony
10 was that, that there were no reported problems with
11 any of the spent fuel pools. But, you know, it is
12 what it is.

13 CHARLIE: Yes, sketchy. Thank you.

14 BRIAN McDERMOTT: And of all the issues,
15 certainly putting water into the pool when the
16 deck's open would be one of their easier challenges
17 at the moment.

18 ERIC LEEDS: Hey, Brian, this is Eric
19 Leeds. If I could just have the attention of the
20 office directors for a moment, Brian, you mentioned
21 that NRR is taking the lead to develop a list of
22 names that we can send over to assist the Japanese.

23 We're going to have another call at 9:30
24 using the same number and pass code as you used for
25 this call. I'd appreciate whatever office directors

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1 can get on, or their deputies, can get on the line
2 and talk about folks from their organizations that
3 we might be able to use or may be able to send over
4 to Japan to assist them.

5 I received conflicting information or
6 two different sets of information. Brian just
7 mentioned that we needed six people for two
8 different EOCs. I just got off the phone with Nader
9 Mamish. Recall that Nader is an OIP. And Nader
10 thought that we were going to send three that would
11 assist in the embassy and three in their EOC in
12 Tokyo.

13 So, you know, there's an assortment of
14 talent that we could use to assist the Japanese,
15 whatever we look at. But six folks -- you know,
16 Jennifer, you mentioned the idea that folks have an
17 idea of severe accidents. Certainly, we want folks
18 with BWR knowledge, experience, operations, BWR 3s
19 and 4s.

20 But whatever you can do to come up with
21 a list of names before that 9:30 call would be very,
22 very much appreciated.

23 CHARLIE: Eric, it's Charlie. We don't
24 want to forget the PMT role either.

25 ERIC LEEDS: That, that's a good

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1 thought, Charlie. Thank you.

2 CHARLIE: I'll get on the call at 9:30.

3 ERIC LEEDS: I appreciate that, Charlie.

4 CHARLIE: Okay.

5 BRIAN McDERMOTT: And Eric, we'll, we'll
6 try to circle back here and make sure we've got all
7 the latest information in to you in support of the
8 9:30 call.

9 NADER MAMISH: Yes, but just for
10 everyone's benefit, the information we received was
11 from Jim Trapp. Jim Trapp went to sleep about an
12 hour ago. We want to give him an opportunity to
13 rest, so we may not call him for the time being.
14 But I think we, we could talk about it some more at
15 the 9:30 call.

16 I think we, we should be prepared to
17 come up with a list of people and then, depending on
18 the needs, we can pick the right skill sets.

19 MALE PARTICIPANT: That's the right way
20 to do it, Nader. Thank you.

21 NADER MAMISH: Thank you.

22 BRIAN McDERMOTT: Okay, any other
23 questions?

24 MIKE JOHNSON: Yeah, this is Mike
25 Johnson. I, we've been focused on nuclear power

1 plants, as we rightfully should, but I just wonder
2 are there any other facilities in Japan, nuclear
3 facilities in Japan, that were impacted that we've
4 not heard about or other licensees? Are we, are we
5 tapped in? Do we know?

6 BRIAN McDERMOTT: The, the only other
7 thing, Mike, that bear some interest for you in
8 particular is that one of the sites on the, I want
9 to say it's the [KK site] -- I don't know the full
10 name -- but I think they have at least four units
11 there, two of which are ABWRs.

12 VIC: Yeah, that's -- this is Vic --
13 that's Kashiwazaki-Kariwa, and the three units, K5,
14 6, and 7, are ABWRs.

15 BRIAN McDERMOTT: Okay. We understood
16 that they, they experienced an earthquake and in
17 six, six-something magnitude and continued to
18 operate. So they, they don't have any problems with
19 any of the newer designs.

20 MIKE JOHNSON: Thanks. Thank you for
21 that. I was really going towards, not reactors,
22 any, any fuel cycle facilities or anything like
23 that.

24 BRIAN McDERMOTT: We haven't heard
25 anything about them, Mike.

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1 VIC: Hey, Mike, this is Vic. While I
2 have you on the line, I had a 10 o'clock drop-in
3 meeting scheduled this morning with the folks at
4 Southern Company. Apparently, the media -- the
5 media; at least one media outlet -- found out about
6 it. I don't know how.

7 But with the thought of discretion as
8 the better part of valor, I talked to Buzz Miller
9 and we decided to postpone that in light of the
10 interest in, in what's going on in Japan and the
11 idea that there's a closed NRC meeting. So we'll,
12 we'll reschedule that at some future time.

13 MIKE JOHNSON: Thanks, Vic.

14 ROY ZIMMERMAN: Brian, this is Roy
15 Zimmerman. Good brief. I appreciate the, the
16 information that you provided.

17 With regard to the NRC staff at large
18 that's getting information from a variety of sources
19 through the media and so forth, has the ET spoke
20 about the information that you just provided us and
21 how we look at providing appropriate information to
22 our staff?

23 BRIAN McDERMOTT: Yes, we've put some
24 emails, all-staff emails out, Roy. We'll probably
25 continue to do that. There haven't been a lot of

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1 them over the weekend, but there are at least two
2 that I'm, I'm directly aware of, where provided some
3 general background and urged folks, if they were
4 getting outside contacts, to funnel that information
5 to the, to the liaison team. And, and --

6 ROY ZIMMERMAN: Yeah, there's a lot of
7 more specific information that you provided on this
8 brief, getting into details about the seawater no
9 longer going into containment and not having core
10 cooling at the moment. This is information that
11 we're looking at providing at some time, or not
12 until we have additional confirmation? Anything you
13 can offer us in terms of discussing the information
14 that you provided us this morning?

15 BRIAN McDERMOTT: Okay, Roy, well --

16 NADER MAMISH: This is Nader Mamish in
17 the EDO's office. We'll talk to Bill Borchardt when
18 he gets in and see if he wants to put out an EDO
19 update. So, as soon as he gets in, we'll talk to
20 him about that.

21 ROY ZIMMERMAN: Thank you.

22 VIC: Hey, Roy, in that same spirit of
23 communication -- this is Vic in Region II -- at
24 least in Region II, we start our ROP end-of-cycle
25 public meetings, I think the first is scheduled next

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1 week, and I know a number of things can change in a
2 dynamic situation, and things will be much clearer
3 by then.

4 But I'm certainly interested in making
5 sure that our branch chiefs and senior managers that
6 go out are well positioned to respond to any
7 questions that may come up in the media without
8 appearing to be either disingenuous or evading
9 questions.

10 So, between now and then, perhaps by the
11 end of the week, it may be worthwhile to update,
12 provide an updated list of Q&A's that allow them to
13 respond in, in the best way next week to questions
14 that may come up.

15 Is there any plan for that?

16 BRIAN McDERMOTT: Yeah, that, there's
17 been Q&A's working for the chairman. You all may
18 know that there's, there's, was a scheduled budget
19 hearing this Wednesday. We understand from some of
20 the press statements made by members that, that,
21 that that's going to be a hearing more about
22 reactors and the earthquake in Japan.

23 So there are preparations under way to
24 deal with that. There are Q&A's that have been
25 circulating. There are specific members of Congress

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1 who have asked for meetings with the Chairman
2 already.

3 We'll need to, we should get those
4 questions around. I think around, we've got those
5 and we also have talking points that Public Affairs
6 had provided for the Chairman. I think we're trying
7 to limit -- you know, everybody should have that
8 information. I think we're trying to leave it to
9 the Chairman and OPA to do the actual speaking on
10 that. But it think it's useful for everybody to
11 have that when you're in individual engagements
12 with, with either industry folks or other feds in
13 your areas, that you be conversant in that.

14 So we'll take an action to get that
15 around to all the office directors.

16 MARK SATORIUS: Hey, Brian, it's Mark
17 Satorius.

18 BRIAN McDERMOTT: Yes, Mark?

19 MARK SATORIUS: I, I think what Vic was
20 referring to, and I'm sensitive as well, is that we
21 should probably look at those questions and may have
22 Eric's organization look at them and either put
23 together a list for presenters at end-of-cycle
24 meetings when members of the public are going to be
25 there.

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1 I think that's where Vic was coming from
2 is that -- I don't know that we need to do a lot of
3 work, but we just need to make sure that those, that
4 the list of questions and answers are going to be
5 responsive for a branch chief that may find himself
6 standing up in front of a number of local papers, et
7 cetera, and local people, so that he can come across
8 well.

9 ELMO: Hey, Brian, this is Elmo.

10 VIC: That's, that's exactly what my, my
11 question was.

12 ELMO: Yeah, good. This is Elmo. I
13 think the dynamic has changed. Our strategy early
14 on was to work at headquarters, the ops center and
15 the Chairman. What we're going to find in the next
16 few weeks is that dynamic was changed substantially.
17 We're going to have representatives out in public
18 forums in a big way, and we just need make sure we
19 arm them with the right information. So I think
20 that's what we're talking about.

21 ERIC LEEDS: Yeah, guys, this is Eric.
22 The, the folks in the ops center have been working
23 all weekend long on Q&As and questions, and they've
24 been getting help from OPA in OCA and our liaison
25 team --

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1 BILL: And the Office of Research.

2 ERIC LEEDS: -- and the Office of
3 Research -- thank you, Bill. And my understanding
4 is that all this Q&A's have been communicated to the
5 regional RSLOs. They should probably also go to, to
6 your public affairs folks.

7 VIC: Hey, Eric, this is Vic in Region
8 II. I, I've only seen one list of Q&A's. It's
9 focused on the SLOs. It's about page and a quarter,
10 and based on my review of those, that would not be,
11 in all likelihood would not be responsive to some of
12 the questions I would anticipate from members of the
13 public or media at our end-of-cycle meetings.

14 And that's partly what prompted me to
15 ask whether we had planned to put any additional
16 ones or perhaps a different set together in light of
17 those, those types of forums. It may not be
18 conducive to say, hey, go to the NRC website or call
19 the NRC ops center. We may want to take a different
20 strategy with, with these kind of public meetings.

21 ELIOT BRENNER: Gents, it's Eliot here.

22 Looking forward a little bit, we have a document
23 which is beginning to look remarkably like *War and
24 Peace, and it contains multitudinous questions and
25 answers that have been prepared for the Chairman's

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1 use should he get ambushed in the next day or two.

2 It will be made available widely across
3 the agency for use in circumstances just like this.

4 We don't want anybody to be standing up there
5 stammering.

6 BRIAN McDERMOTT: So, Vic, what you're
7 referencing with the RSLOs, we agree that was a
8 short list. That was put up quickly the other
9 night. We had a number of specific state requests
10 coming in, and that's kind of what prompted us to
11 move, I'll say, more quickly on that piece.

12 But there, there are a lot more
13 questions. We've had several shifts in here with
14 the Reactor Safety Team, so you are pulling in the
15 NRR folks as well as the Research folks and working
16 on those Q&A's.

17 VIC: Got it. One last thought, and I'm
18 probably already ahead of us on this, that clearly
19 for those sites where we're going to do
20 end-of-cycles for BWRs and/or coastal plants, there
21 may be some unique questions that emerge from
22 members of the public or the media know there is,
23 that we are to be prepared for.

24 Brian.

25 ELIOT BRENNER: Hey, it's Eliot again.

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1 Would the RAs ask your Public Affairs guys to let us
2 know what end-of-cycle meetings you have coming up
3 in about the next two or three weeks?

4 VIC: Will do.

5 JENNIFER: This is Jennifer from
6 Research. The agency has an ongoing tsunami
7 research program for both the East Coast and the
8 West Coast, so we'll be very well armed to respond
9 to questions about the threat.

10 BRIAN McDERMOTT: Thanks, Jennifer. We
11 want to make sure those folks are looped in and, you
12 know, with the idea that we had some communication
13 out there already about CSI 199. That's another --
14 that's the seismic frequency?

15 JENNIFER: Yeah, that's the seismic
16 frequency on the East Coast and the Central part of
17 the US. But the tsunami research is also on the
18 East Coast as well as the Gulf and on the West
19 Coast.

20 ROY ZIMMERMAN: Brian, this is Roy
21 Zimmerman again. Maybe a little out-of-the-box
22 thought about perhaps having -- I know everybody's
23 very busy that's directly involved in this -- but
24 trying to get something out of the staff. A
25 statement could be provided over the loudspeaker,

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1 you know, by the Chairman or his designee just to be
2 able to talk to the staff and share some of the
3 information (inaudible) at a high level and what the
4 agency is doing to add that personal touch. It
5 would potentially go a long way.

6 The other option, again, is trying to
7 get something out in writing. But if the staff is
8 getting all their news from the news, I don't think
9 that's the most desirable situation. So, just
10 something to think about.

11 BRIAN McDERMOTT: Yep, we got that, Roy.

12 We'll talk to -- you know, we heard mention earlier
13 about an EDO update, but we'll coordinate that back
14 to the EDO's office about how they want to, you
15 know, talk to the Chairman about that, and we'll see
16 what we can do. I understand your point, though.

17 ROY ZIMMERMAN: Thank you.

18 BILL DEAN: Yeah, this is Bill Dean. I
19 would offer if the Chairman did something like that,
20 it probably ought to be an email to the staff so
21 that the regions and the sites get it as well.

22 CHARLIE: Brian, is Eliot still there?
23 This is Charlie.

24 ELIOT BRENNER: Yeah, I'm here.

25 CHARLIE: Eliot, you know, I know we've

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1 put out a number of press releases, and I saw some
2 very positive news on TV last night quoting the NRC,
3 for once, as the experts.

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17 CHARLIE: Thank you.

18 MIKE JOHNSON: Eliot, Mike Johnson. At
19 some point after we've, after we've stabilized and
20 handled immediate concerns, the questions will turn
21 to new reactors. So I just want to make sure that
22 -- I haven't seen the questions -- but I want to
23 make sure that we start thinking about those also.

24 ELIOT BRENNER: You're going to get to
25 be close personal friends with Ed Markey (phon).

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1 (Laughter.)

2 MIKE JOHNSON: Yes.

3 JACK GROB: Nader, this is Jack. Before
4 9:30, is there a chance that we can sort out exactly
5 what kind of people we need to send and where
6 they're going?

7 BRIAN McDERMOTT: Jack, this is Brian.
8 Nader stepped out. But that was our goal. We'll
9 try to get that together, I think, you know, BWR
10 experts and perhaps health physics types. There's
11 some thought that, that the Japanese have plenty of
12 health physicists and so forth, but the reactor-type
13 folks, severe accident folks, might be the ones that
14 we're focused on at least for our notional list if
15 we don't have specifics.

16 ERIC LEEDS: Hey, Brian, this is Eric.
17 What I'd like to do is, you know, based on all the
18 conversation this morning and all the good ideas,
19 what I'd rather do is default broadly and come up
20 with a, a good list of names with various expertise,
21 you know, from each office. And then as we get more
22 information, we can cull that list for what specific
23 expertise is requested.

24 So, if folks can bring us, you know,
25 like Jennifer mentioned, severe accident experience,

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1 maybe we've got HPs that can help out in preventive
2 measures, you know, BWR 3 and 4, we -- what I'd
3 rather do is go abroad, and then we can cut that
4 list down, depending on the actual needs as
5 expressed by the Japanese.

6 JENNIFER: Are we looking at adding sort
7 of management presence, you know, is branch chief
8 adequate, just to make sure the, you know, team is
9 working well together, tying everything together?

10 BRIAN McDERMOTT: I think at this point
11 we'd be looking to send technical experts to our,
12 you know, to have the political sensitivity and be
13 able to interact with the Japanese counterparts
14 directly, and not have to have layers of management
15 included in a rotation over there. We've already
16 talking about likely having three people to cover
17 one position around the clock.

18 JENNIFER: Okay.

19 BRIAN McDERMOTT: Okay we are, just for
20 your information, we are doing the briefing of
21 Commissioner's assistants. We're doing turnovers
22 here in the Executive Team room at three, seven, and
23 11. At half past those hours, we're doing the
24 Commissioner assistants briefings. So we, we are
25 trying to keep all the Commission offices up to

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1 speed. The regional duty officers are pulled into
2 those calls automatically, so if, and the EOs for
3 the offices as well. So, if, you know, you're
4 looking for more information, that's a, another
5 opportunity to get updated.

6 We are sending around those status
7 updates. There was one typo pointed out after the
8 distribution of the 0600 update. In one portion of
9 it, we talk about the, Unit 2 losing the ability to
10 inject seawater and in another place it says RCICS
11 is injecting water. But the understanding we have
12 now is that there is no injection, so I just want to
13 make sure you're aware of that bit of conflict in
14 that, internally in that document.

15 Okay, if that's it, we'll, we'll try to
16 gauge and look for feedback in terms of subsequent
17 office director updates. I think -- I see Bill,
18 Bill's walked into the room.

19 In terms of additional office director
20 updates going forward, is your eight o'clock call
21 the venue or do you want to keep it separate?

22 BILL: No. I think, we could, for the
23 office directors, they ought to just call into the
24 overall normal CA brief.

25 BRIAN McDERMOTT: Okay.

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1 BILL: I think. Okay?

2 BRIAN McDERMOTT: Okay.

3 BILL: Rick is going to -- I have some
4 all-hands meetings, but I'm not calling anything
5 special for the office directors today.

6 BRIAN McDERMOTT: Okay.

7 Okay, any other questions?

8 (No response.)

9 BRIAN McDERMOTT: All right. Thank you.

10 2:23:38

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1 (CONFERENCE CALL INITIATED.)

2 2:23:47/2:27:59

3 (Standby until 2:25:27.)

4 BILL: Hi, Tony.

5 TONY PIETRANGELO: Hi, Bill. How are
6 you doing?

7 BILL: Good. Marty's actually got the
8 watch right now, but he's on a call with the
9 Chairman.

10 TONY PIETRANGELO: Okay. Okay. I
11 heard, I was doing a taping and I heard you were
12 trying to get, Marty was trying to get a hold of me.

13 BILL: I'm sorry.

14 Brian, do you -- does anybody know what
15 that's about?

16 BRIAN McDERMOTT: No.

17 BILL: We're drawing a blank year.
18 Sorry, Tony. We'll, we'll call you back when Marty
19 gets in.

20 TONY PIETRANGELO: Yeah. Well, Bill,
21 what we've been doing, just for your information, is
22 just informally updating each other, you know, about
23 twice a day since Friday on what we're hearing and
24 what you're hearing.

25 Obviously, the, the, the three Daiichi

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1 units are the ones of principal concern. You know,
2 we had saw some, some news report that they had
3 uncovered the fuel in Unit 2, but now they
4 apparently have restored some kind of seawater
5 injection to that unit as well.

6 But I suspect they're going to have to
7 vent some hydrogen there as well, and, and we know
8 what happened on Units 1 and 3, so that could go
9 anytime when they start that venting. And you could
10 lose the secondary containment building again.

11 BILL: Yeah.

12 TONY PIETRANGELO: I don't know if
13 that's consistent with what you're hearing.

14 BILL: Yeah.

15 BRIAN McDERMOTT: Yeah, I think so.



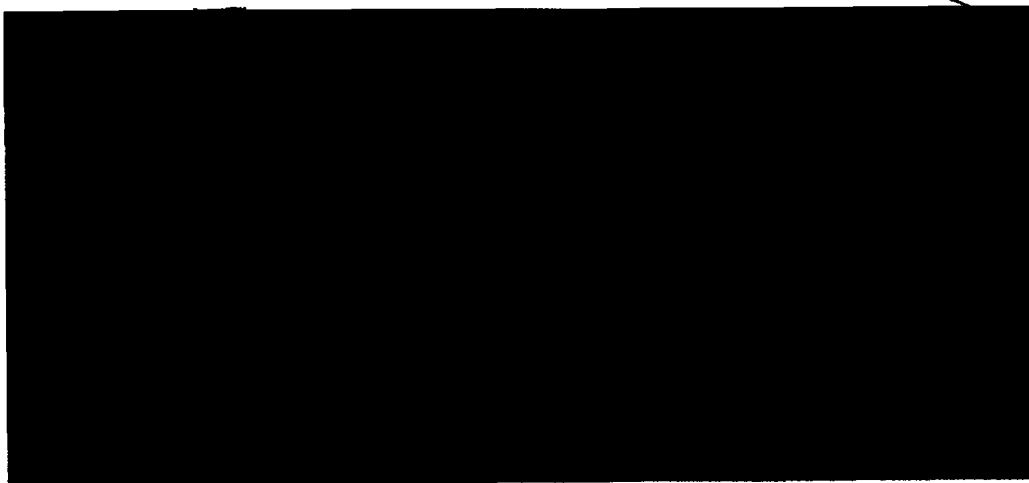
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Let me give you my cell so that if you
need to call us about anything, we're manned 24/7 at
NEI now. I'm there generally from 6:00 a.m. until
about 8:00 p.m. and we've got people at night. But
we've got our conference room kind of set up as our
ops center. But you can reach me anytime at



6

BILL : Okay.

TONY PIETRANGELO: All right?

BILL: And I'll, we'll have Marty call
you back when he, when he returns.

TONY PIETRANGELO: Okay. Very good.
Thanks, Bill.

BILL: Thanks, Tony.

TONY PIETRANGELO: Okay. Bye-bye.

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1 (CONFERENCE CALL INITIATED.)

2 2:28:01/2:30:00

3 HOO: This is the Headquarters
4 operations Officer. Were you expecting a call to
5 participate with the State Department in a CVTS?

6 MALE PARTICIPANT: I'm not familiar with
7 that one. There was a deputies call that was
8 scheduled for eight o'clock, but that's an hour ago.

9 So, no, I'm not, I'm not familiar with that.

10 Are they looking for us, or just
11 offering it?

12 HOO: Well, they were looking for the
13 highest ranking person in the agency.

14 MALE PARTICIPANT: We would need to
15 reach over to the Unit 1 SCIF and see what the
16 status is of the ongoing call with, you know, the
17 deputies committee.

18 HOO: All right, sir.

19 MALE PARTICIPANT: The other option is,
20 if they're looking to get somebody, we'll, we can
21 work to fire up the other CVTS over here in CVTS
22 over here in (inaudible).

23 HOO: Okay, thank you.

24 2:29:11

25 CONFERENCE CALL INITIATED

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1 2:29:30/2:29:50

2 BRIAN McDERMOTT: Good morning, Brian.
3 Are you calling in for a particular meeting? Brian
4 Winick?

5 (Call dropped.)
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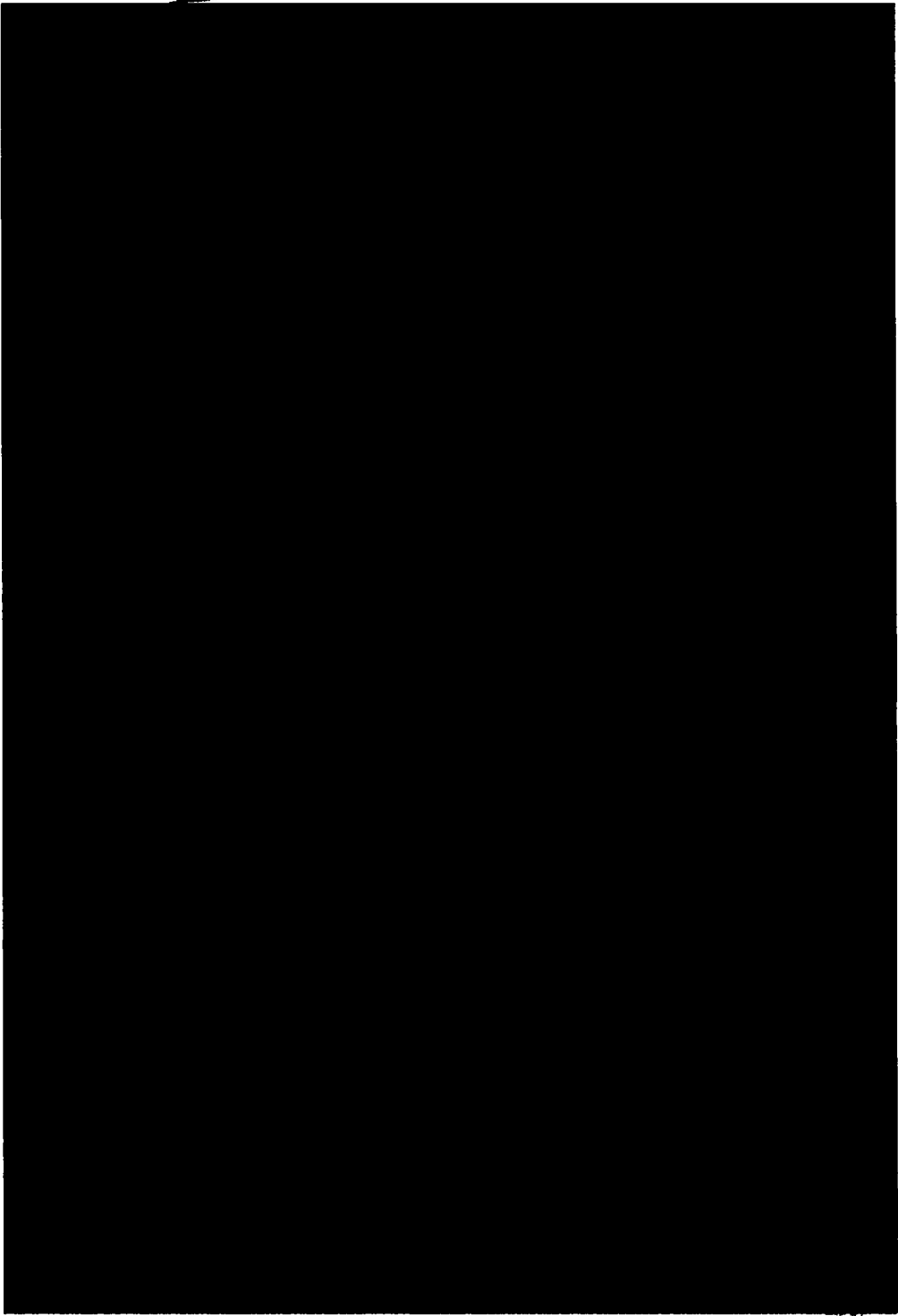
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(CONFERENCE CALL INITIATED.)

2:30:05/2:37:39

MARTY VIRGILIO: Okay, Mike. This is

Marty Virgilio.



5

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[REDACTED]
[REDACTED] I
MIKE DUDEK: Okay.

(Laughter.)

MARTY VIRGILIO: Just kidding. We're working on, we're working on the list of equipment.

I think that, really, between our Reactor Safety Team, which is, Laura Dudes has got the lead for that, Jim Trapp, and we need to make sure we're coordinated.

I think Chairman Jaczko gave a very good list of the types of equipment we think we're going to need, and Jim actually was on the call. And Jim nodded and said, yes, that, that appears to be the right list. But Laura's got something written down, or will have something written down, in terms of the list of equipment.

And so I take it from what you've said, Mike, that you all then will take it from there in terms of getting the equipment into, into the country.

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1 MIKE DUDEK: I'm here with the USAID
2 folks, and they can, they can address that, help
3 address that.

4 MALE PARTICIPANT: Well, we'll task it
5 out to the appropriate folks to get it where it
6 needs to go.

7 MARTY VIRGILIO: Okay, now the other
8 issue that came up in our phone call -- I was with
9 Chairman Jaczko -- is do we need somebody to operate
10 that equipment? We were talking here. Some of the
11 equipment is, is going to be pretty easy to operate,
12 but some of it might be a little bit more
13 complicated, and we need to be thinking about not
14 only bringing the equipment in but operational
15 support. Okay?

16 MIKE DUDEK: Okay. And can you give me
17 an idea of what we're talking and --

18 MARTY VIRGILIO: Imagine, imagine if we
19 brought in a very sophisticated fire truck. You
20 would need somebody that understood how to operate
21 that. You couldn't just land that in country and
22 expect the, the folks there at the site to be able
23 to operate it.

24 MIKE DUDEK: Okay.

25 MARTY VIRGILIO: Does that make sense?

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1 MIKE DUDEK: Yeah, it does. So I think
2 at this point, whatever you need, whatever you think
3 they're going to need, even if it's redundant, we'd
4 rather have too much than too little.

5 MARTY VIRGILIO: Okay. So we'll work
6 with you and we'll -- can we --

7 At one what point, Laura, do you think
8 it'll have?

9 LAURA DUDES: I'll get that to Jim, get
10 some feedback, and probably within the hour.

11 MARTY VIRGILIO: Okay.

12 LAURA DUDES: (Inaudible) responding to
13 the email. We'll get it.

14 MARTY VIRGILIO: Within an hour okay on
15 the list of equipment?

16 MIKE DUDEK: Yep.

17 MARTY VIRGILIO: Okay. Now, doubling
18 the list of NRC people, you think? What skill set
19 are you thinking that we need to provide over there
20 now?

21 MIKE DUDEK: Well, I think our
22 administrator just wants to be as proactive as
23 possible, so you guys need to make that call.

24 MARTY VIRGILIO: Okay.

25 MIKE DUDEK: You know, you've had some

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1 initial meetings. You should judge what you think
2 they need, and if it's more than the six, then we'll
3 facilitate that. If you think six is adequate,
4 that's who we should send.

5 MARTY VIRGILIO: All right, we're taking
6 our lead in part from Jim Trapp, who is, is over
7 there, and, you know, he's identified specific skill
8 sets he thinks he would like to have available or
9 that would be very helpful over there. And we're
10 focused mostly on the type of people like Jim.

11 MIKE DUDEK: Okay.

12 MARTY VIRGILIO: The reactor safety
13 experts.

14 MIKE DUDEK: Like I say, we'll follow
15 your lead on that. You just decide what you think
16 they could use, and then we'll facilitate getting
17 them there.

18 MARTY VIRGILIO: Great.

19 MIKE DUDEK: I understand there's some
20 passport issues potentially, and we'll work that
21 through the State Department.

22 MARTY VIRGILIO: Great. Thank you.

23 The incident commander -- I, I heard
24 that and I was running through my mind who would be
25 best to do that. You all are thinking NRC?

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1 MIKE DUDEK: Well, I think that would be
2 ideal, but it needs to be somebody that has, I
3 think, had a lot of public relations experience and
4 can translate complex technical concepts to the
5 public.

6 MARTY VIRGILIO: Okay. I've got a
7 couple people in mind. I, I really wasn't thinking
8 about NRC when that, when that was discussed on the
9 call.

10 MIKE DUDEK: Well, I think it's whoever
11 we can find that we think is best placed to do it.
12 It doesn't have to be NRC, but clearly the
13 ambassador is keen to get somebody out there
14 quickly, and I think he's right. So, you know, if
15 you have somebody in mind, we'll certainly go with
16 your lead.

17 MARTY VIRGILIO: There were, there were
18 two people or two skill sets that I think he wanted.

19 There was one skill set with the communicator that
20 could stand by his side in public meetings and, and
21 help him, you know, express these detailed technical
22 concepts in terms that the public can understand.
23 And there was also, then, another skill set that was
24 desired. That was somebody to coordinate the
25 overall response that, everything was that was going

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1 on there.

2 MIKE DUDEK: I think we're talking two
3 people then.

4 MARTY VIRGILIO: Yes, I think we are
5 too.

6 Now I think that NRC is probably
7 positioned to do the public communications piece of
8 this, but the overall coordination of, of troops and
9 hardware and everything else, that's probably not
10 our best suit. Okay?

11 MIKE DUDEK: Well, we, we can follow up
12 on that one.

13 MARTY VIRGILIO: All right. So we'll
14 look for the communicator, and you guys look for the
15 overall coordinator.

16 MIKE DUDEK: Okay. Great.

17 And then, honestly, as soon as you can
18 get us a list of names of who you want to send, the
19 better, especially if you have folks that don't have
20 passports, so we can begin to work that as quickly
21 as possible.

22 MARTY VIRGILIO: Okay. We'll start
23 working on that.

24 MIKE DUDEK: Any other actions for me or
25 Jason down here?

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1 MARTY VIRGILIO: Anything else we can do
2 to help you?

3 MIKE DUDEK: Just the names would be
4 (inaudible). I've already talked to State about
5 passport and visa expediting. They're looking into
6 it right now. The list of names, as soon as we can
7 get that, would be very helpful.

8 And, Mike, you said the list of
9 materials.

10 The quicker we have the information, the
11 quicker that we can get this stuff processed.

12 MARTY VIRGILIO: Okay.

13 MALE PARTICIPANT: There's a flight
14 leaving at (inaudible) from Dulles to Japan.

15 MARTY VIRGILIO: All right.

16 All right, we're going to drop off if
17 there's nothing else.

18 MIKE DUDEK: Well, just two additional
19 items. I think Mr. [sic] from USAID has
20 specifically requested to talk to the Chairman, so I
21 think his secretary is trying to facilitate that
22 right now.

23 MARTY VIRGILIO: Okay, good enough.

24 MIKE DUDEK: And also, the, the more in
25 depth, the administrator has requested more in-depth

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1 Q&A's to be more proactive, and as soon as we can
2 beef those up a little bit, I think, I think the
3 teams have been working on them pretty diligently,
4 and the talking points. So anything you can get us
5 down here would be greatly appreciated.

6 MARTY VIRGILIO: Okay. Will do. Is
7 that it?

8 MIKE DUDEK: That is all.

9 MARTY VIRGILIO: Okay, NRC signing off.

10 MIKE DUDEK: Thank you.
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(CONFERENCE CALL INITIATED.)

2:38:00/2:43:34

(Standby until 2:38:54.)

BRIAN McDERMOTT: Eric -- Brian and
Marty here.

ERIC LEEDS: Hi, guys. What's up?

BRIAN McDERMOTT: The experts that we're
going to be sending to Japan --

ERIC LEEDS: Yes?

BRIAN McDERMOTT: -- have you identified
(audio interference.)

ERIC LEEDS: I'm sorry. Say that again.

BRIAN McDERMOTT: Have you identified
the experts that will be sending to Japan, by name?

ERIC LEEDS: Yeah. Let me give you the
rundown, and maybe I need to give Bill -- Bill's in
my also office also.

BRIAN McDERMOTT: Okay.

ERIC LEEDS: And, and he's on his, his
Blackberry talking to Margie.

BRIAN McDERMOTT: All right.

ERIC LEEDS: So, basically, what the
plan is -- I've talked all the office directors,
even, even Jody Hudson and Glen Payson at the TTC.
And what I'm doing is having everybody send us their

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1 names by two o'clock today.

2 BRIAN McDERMOTT: That's too late.

3 Eric, Eric -- we need the names now. I mean, we
4 really do. We can't wait until two o'clock.

5 ERIC LEEDS: Really? That's -- okay. I
6 had Nader on the call. He thought we weren't going
7 to be sending people until tomorrow so that we had
8 some time to work it.

9 BRIAN McDERMOTT: No. They're putting
10 them on a plane today.

11 ERIC LEEDS: They're want them on a
12 flight today?

13 BRIAN McDERMOTT: Yes.

14 ERIC LEEDS: Okay. Bill's shaking his
15 head up and down.

16 All right, well, then I've got to go
17 back. Can you -- you know, I understand we need it
18 now. I've got to go back to all the office
19 directors because I just got off the phone with them
20 and told them to give us the names by two o'clock.
21 So do you want me to have them give us the names by
22 11 o'clock?

23 BRIAN McDERMOTT: What time is it now?
24 Yeah, that would be good. And did you poll from the
25 regional administrators too, Eric?

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1 ERIC LEEDS: Yes. Yes. I've got all
2 four regions working on it. You know, I've got the
3 TTC, all the office directors here. But things that
4 we're trying to get is the type of expertise --
5 because we may want to send severe accident folks,
6 we may want to send somebody like a Chuck Casto, who
7 can work at the embassy. And also, we want to make
8 sure that their passports are, are current.

9 So, so, you know, I'm asking them to do
10 a little bit of work, so that's why I need a little
11 bit more time. Does that make sense?

12 BRIAN McDERMOTT: Okay, there are
13 various skills that we're looking for. Right now, I
14 think what we're looking for to start with is four
15 reactor folks. Okay? For people that could serve
16 on a Reactor Safety Team with, and, and contribute.
17 Right?

18 ERIC LEEDS: Understand. BWR 3 and 4
19 experience, yes.

20 BRIAN McDERMOTT: Okay, so that's four.

21 ERIC LEEDS: Okay.

22 BRIAN McDERMOTT: Then there are other
23 calls that are being made for additional people,
24 which we'll work in parallel. But I need you to
25 focus on those four experts.

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1 ERIC LEEDS: Okay, we can, we can do
2 that, but I can also get the severe accident
3 management folks. You know, I don't know that they
4 you need HP folks from --

5 BRIAN McDERMOTT: Well, yeah, that's the
6 skill sets that we'll talk about in a minute, but I
7 think that you're on the right track to get us the
8 reactor folks.

9 ERIC LEEDS: Okay. Right. And I can
10 get, get a broad range. I expect I'm going to end
11 up with a list of 30 or 40 names that we can cull
12 through.

13 BRIAN McDERMOTT: Okay, but all we need
14 right now is four on an airplane today.

15 ERIC LEEDS: We need four on an airplane
16 today. I understand. This is probably --

17 Marty, I heard six earlier, so ==

18 MARTY VIRGILIO: Yes, and --

19 ERIC LEEDS: -- we'll work it. Okay?

20 BRIAN McDERMOTT: Okay, and Mark Dudek
21 is standing by at USAID to expedite any passports or
22 information and support we need.

23 ERIC LEEDS: Oh, very helpful. Thank
24 you.

25 Margie. Okay, I think -- this is Margie. I think

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1 --

2 ERIC LEEDS: Yes?

3 MARGIE: Okay, I think -- this is Margie

4 -- I think --

5 ERIC LEEDS: Yes?

6 MARGIE: I've gone over with OIP staff
7 and I think, to make the team effective, don't tap
8 them into numbers of what you're doing. I know this
9 will be fine with the Japanese.

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16 I haven't talked to Kirk yet, but I, I
17 think Kirk is the perfect person for that. When he
18 walks in, I'm telling you, he'll make things easier
19 for them. Don't tap them into numbers when you're
20 trying to look at what you need technically.

21 We should put one OIP person at the
22 embassy for that liaison activity so that we don't
23 have Kirk having to talk to someone at the embassy
24 that isn't NRC, because that would be very difficult
25 when we're trying to communicate and take things

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1 into consideration and get things that we need for
2 our staff.

3 That would be, so my suggestion would be
4 one NRC person at the embassy that can also talk to
5 the ambassador and do, be our voice over there.
6 That would be my strong suggestion is to put an OIP
7 person --

8 BRIAN McDERMOTT: Okay, we'll work that,
9 we'll work this offline.

10 Okay, Eric, do you want to just work
11 your four?

12 ERIC LEEDS: Yeah. Yeah, this is Eric
13 Leeds here. Anything else, or can I drop off?

14 BRIAN McDERMOTT: You can drop off
15 because we're going to need to talk about other
16 experts that we're going to need there. But we
17 don't need you tied up to do that.

18 ERIC LEEDS: Good. I need to go work.
19 Thank you.

20 BRIAN McDERMOTT: Thank you.
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(CONFERENCE CALL INITIATED.)

2:43:37/2:45:00

(Extraneous conference call omitted.)

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(CONFERENCE CALL INITIATED.)

2:45:11/02:49:40

(Standby until 2:46:35.)

Hi, Greg. How are you?

CHAIRMAN JACZKO: Good. How are you?

Good. Good. Greg, I'm
here with [REDACTED], who leads our humanitarian
--

CHAIRMAN JACZKO: -- operations officer.

-- Operations. Could I
put her, could I put you on speaker?

CHAIRMAN JACZKO: Yes.

Oh, thanks so much.

Well, I just wanted to start by saying
thank you for your great leadership, and we hope
we're doing everything --

(Call interrupted by additional
participant.)

CHAIRMAN JACZKO: Oh, please go ahead.
Sorry.

Oh, great. I just wanted
to say thank you for your great leadership. I hope
we're doing everything we can to support you, and I
got a couple of things coming out of this morning's

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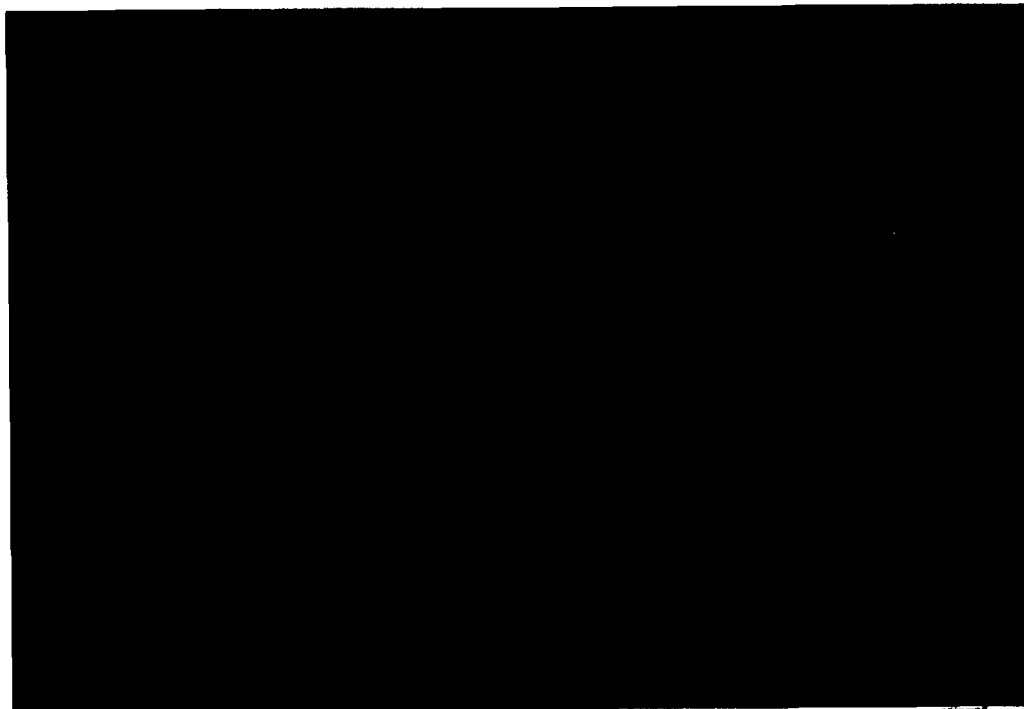
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1 call that I thought we might just follow up on.

2 CHAIRMAN JACZKO: Okay. Go ahead.



13 --

14 CHAIRMAN JACZKO: I'm sorry. You're
15 breaking up a little bit, but I, I think what I
16 heard you asking is that kind of leadership.

17 We have our, essentially our, what we
18 call our executive director for operations, who's
19 really our, really our head agency, like our chief
20 of staff in a way, who is technically competent. I
21 would certainly recommend that he be considered
22 seriously as that kind of lead on the ground.

23 MALE PARTICIPANT: And I can almost
24 imagine that, you know, that level of comfort, you
25 know, at this point, I can see Jim being dedicated

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1 to the embassy and to have these other people --

2 CHAIRMAN JACZKO: I'm sorry, Raj. Did
3 we lose you?

4 (No response.)

5 CHAIRMAN JACZKO: Hey, Brian, can you
6 hear me?

7 (No response.)

8 MALE PARTICIPANT: What we, what we
9 really need now, and the teams are working on that,
10 as we get projections from the Reactor Safety Team
11 on what, what could happen and on what time line
12 with regard to the reactors, and then projections
13 from the Protective Measures Team on, if it happens
14 (inaudible).

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25 (Simultaneous conversation.)

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1 (Off mic conversation.)

2 BRIAN McDERMOTT: -- Q&A.

3 MALE PARTICIPANT: And Brian, one option
4 to go to Japan is --

5 (Call dropped.)
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1 (CONFERENCE CALL INITIATED.)

2 02:49:43/2:51:00

3 (Standby until 2:50:45.)

4 (Extraneous conference call omitted.)

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1 (CONFERENCE CALL INITIATED.)

2 02:51:09/2:55:37

3 MARK SATORIUS: Hello, this is Mark
4 Satorius.

5 BRIAN McDERMOTT: Hi, Mark. It's Brian
6 McDermott. I'm in here with Marty.

7 MARK SATORIUS: Hi, Marty. Hi, Brian.
8 Hey, just something for clarification,
9 Brian, that we had heard earlier from Marty, earlier
10 in the weekend for Marty and really from everyone,
11 and I just want to make sure I got it right, because
12 my public affairs officers are kind of upset with me
13 because I kind of put out the word that, you know,
14 if people get calls here in the office asking for
15 information about, you know, the Japanese event and,
16 and anything that has to do that and NRC's
17 involvement, that the direction is to provide them
18 or refer them to the headquarters operations
19 officer, who will get them to the right Public
20 Affairs people in Headquarters.

21 Am I right, still?

22 BRIAN McDERMOTT: Yes.

23 MARTY VIRGILIO: Yes.

24 MARK SATORIUS: Okay.

25 BRIAN McDERMOTT: And we've been, some

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1 of the communications we've put out to the staff, as
2 reflected -- you know, you can go to the NRC blog.
3 Eliot's been posting stuff there.

4 MARK SATORIUS: Yeah. I've been keeping
5 through the weekend on, on, you know, with the
6 calls, and I've not heard a policy change. But, but
7 I think my public affairs officer thinks that if
8 somebody calls here in the region and wants, that
9 they need to take that call. And I think that from
10 an agency perspective, we had decided to keep it as
11 I've described.

12 So I'll make sure that I work with them
13 so they understand that, and if they can need to
14 talk Eliot, they can.

15 MARTY VIRGILIO: You, you want -- the
16 regional public affairs officers should, if they get
17 calls, refer them to headquarters. Right? We're
18 still looking for them to do that.

19 BRIAN McDERMOTT: Public Affairs is
20 behind the class (inaudible). They're coming in.

21 SCOTT BURNELL: Good morning. It's
22 Scott Burnell.

23 MARK SATORIUS: Hi, Scott. It's Mark
24 Satorius.

25 SCOTT BURNELL: Hi, Mark. How are we

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1 doing?

2 MARK SATORIUS: Good. Hey, just a
3 question, because Vika (phon) and I had just a very
4 short conversation because I've been busy with other
5 things, but it was my understanding that the, that
6 the process that we would follow is if staff members
7 in the region or the residents got a call from
8 anybody involved with the news, or really anybody,
9 asking questions about the agency's response and
10 what's going on in Japan, that we would refer them
11 to the HOO, who would then route them to you folks
12 in the response center.

13 And, and I think Vika's, I think, is of
14 the view that if --

15 SCOTT BURNELL: I just, I just had a
16 phone call with Vika and Prima (phon) just a few
17 minutes ago.

18 MARK SATORIUS: Yeah.

19 SCOTT BURNELL: But for after hours,
20 absolutely, everything goes to the HOOs. But normal
21 business hours, staff and residents, if they get a
22 media/public call, Vika and Prima will be the
23 regional filter to determine whether or not it gets
24 kicked up to OPA headquarters, or whether or not
25 they feel they can take care of it themselves.

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1 MARK SATORIUS: Okay, that -- at least I
2 can tell you from my situation, that change in
3 policy has not been communicated.

4 SCOTT BURNELL: I understand.

5 MARK SATORIUS: So you need to get it
6 out to the other RAs because they may be of the same
7 view as I, and other office directors for that
8 matter.

9 BRIAN McDERMOTT: Yeah, Mark, I was in
10 the same boat as you, so I'm glad we asked Scott.

11 SCOTT BURNELL: Yeah, I, I will work
12 with the folks back on 16 and White Flint 1 to try
13 to get that word out, so that we're sending people
14 to the appropriate places.

15 MARK SATORIUS: Right, because, you know
16 -- yeah.

17 SCOTT BURNELL: We got it.

18 MARK SATORIUS: Yeah, I think if we make
19 policy changes like that, don't forget us out in the
20 regions.

21 SCOTT BURNELL: Absolutely.

22 MARK SATORIUS: Hey, thanks, thanks for
23 the help, everybody.

24 Did you guys have anything else for me?
25 I'm going to drop off.

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BRIAN McDERMOTT: No. That's it.

MARK SATORIUS: Okey-doke. You bet;

bye.

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1 (CONFERENCE CALL INITIATED.)

2 2:55:37/2:56:40

3 (Extraneous conference call omitted.)

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(CONFERENCE CALL INITIATED.)

2:56:45/2:58:00

(Extraneous conference call omitted.)

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1 (CONFERENCE CALL INITIATED.)

2 2:58:19/3:00:10

3 BILL BORCHARDT: Hi, Marty?

4 MARTY VIRGILIO: Yes, Bill?

5 BILL BORCHARDT: Hey. Dan Poneman is
6 having a 12:30 press conference, and the Chairman is
7 on his way down to the garage to drive down to the
8 White House for that.

9 So I don't know where you stand on that
10 analysis that was being done, but if we could, if
11 you could have a phone call with him in about 15
12 minutes or so and email him anything you have, you
13 know, related to that, that would help him be, have,
14 you know, a little background for that press
15 conference.

16 MARTY VIRGILIO: Is he in the car yet?

17 BILL BORCHARDT: No, but if --

18 MARTY VIRGILIO: If we can hand him
19 something from the Reactor Safety Team on the core
20 melt progression --

21 BILL BORCHARDT: All right. If
22 somebody, if somebody runs down to P1, you might
23 catch him on the way out of the building.

24 MARTY VIRGILIO: All right. We've got
25 it. We're on the way. That would be much better if

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1 we could hand him a piece of paper because there's a
2 simplified top sheet and a more complicated bottom
3 sheet from the SORCA analysis.

4 BILL BORCHARDT: Okay.

5 MARTY VIRGILIO: We're also working on
6 the, the dispersion models, the health effects
7 issues. That's not as mature so okay.

8 BILL BORCHARDT: All right, and I'll
9 call his cell to see if I can get him to hang on.

10 MARTY VIRGILIO: Yeah, just hang on in
11 the garage for a minute.

12 BILL BORCHARDT: I don't know if -- you
13 don't always get a phone signal down there though.

14 MARTY VIRGILIO: Okay.

15 BILL BORCHARDT: All right, and then --
16 but otherwise, give him a call in about 15 minutes.

17 MARTY VIRGILIO: All right.

18 BILL BORCHARDT: Thanks.

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1 (CONFERENCE CALL INITIATED.)

2 3:00:40/3:02:15

3 CHAIRMAN JACZKO: Hi. Can you tell me
4 what this status of our assessment is?

5 MARTY VIRGILIO: Chairman, we just ran
6 down to the garage with a hard copy and we missed
7 you. So there, there's two pages to it. And we're
8 talking now about the core degradation progression
9 analysis.

10 CHAIRMAN JACZKO: Yes.

11 MARTY VIRGILIO: That's got a top sheet
12 on it, which is, I think, the talking points that
13 you would want to have. And that's got a second
14 sheet to it, which is from our SORCA analysis.

15 CHAIRMAN JACZKO: Okay.

16 MARTY VIRGILIO: That includes a lot
17 more detail.

18 CHAIRMAN JACZKO: Okay.

19 MARTY VIRGILIO: Okay, so we can get
20 that in the email to you right now.

21 CHAIRMAN JACZKO: Okay.

22 MARTY VIRGILIO: We're, from the
23 Protective Measures Team, we're documenting the
24 assessment we've done, which is really not going to
25 have the dose calculations that you would want to

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1 have. It will take us a couple more hours to get
2 there. But I think we've agreed on the assumptions
3 and the methods.

4 CHAIRMAN JACZKO: Well, what's the
5 bottom line? If I have to answer the question
6 'what's the impacts going to be,' what would you
7 tell me right now?

8 MARTY VIRGILIO: I think we would have
9 to go back and look at -- well, I wouldn't want to
10 say.

11 CHAIRMAN JACZKO: Okay.

12 MARTY VIRGILIO: Let me get somebody
13 with --

14 CHAIRMAN JACZKO: Okay, but I need, I
15 need an answer in like 10 minutes.

16 MARTY VIRGILIO: Got it.

17 CHAIRMAN JACZKO: Okay. Call me back in
18 10 minutes, and whatever you tell me, email me as
19 well.

20 MARTY VIRGILIO: Okay.

21 CHAIRMAN JACZKO: Okay. Thanks.

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1 (CONFERENCE CALL INITIATED.)

2 3:02:30/3:06:57

3 CHAIRMAN JACZKO: Hey, Marty, can you
4 get the Reactor Safety Team and the Protective
5 Measures Team in there as well if they're not?

6 MARTY VIRGILIO: We're sitting right
7 here. We're sitting right here, chairman.

8 CHAIRMAN JACZKO: Okay.

9 MARTY VIRGILIO: And we've just sent you
10 -- you should have the email. Let's start with the
11 severe accident.

12 CHAIRMAN JACZKO: Yes.

13 MARTY VIRGILIO: -- and the Geller
14 (phon).

15 CHAIRMAN JACZKO: Yes.

16 MARTY VIRGILIO: Do you have the email?

17 CHAIRMAN JACZKO: I do. So I read that.
18 What I understand from that is, so, while not an
19 identical scenario, perhaps there similarities in
20 that scenario because the time that we've been
21 operating under this event. So -- again, and stop
22 me if I'm saying anything incorrect -- I read that.

23 What that analysis said, 98 percent of
24 noble gas, very little particulate matter, and that
25 there's nothing in there that would challenge our

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1 basis for emergency response, namely, a 10-miles a
2 EPZ. Is that correct?

3 MARTY VIRGILIO: Laura?

4 LAURA DUDES: I, I don't know. I would
5 say that this is what the SORCA analysis ran by
6 Research on Friday, and I think that's the best
7 information that they have at this point. And the
8 Reactor Safety Team looked at it, and they still
9 believe that this is consistent with the bullets
10 (inaudible).

11 CHAIRMAN JACZKO: I'm sorry. Can you
12 speak loud and clearly. It's very hard sometimes to
13 hear.

14 LAURA DUDES: Oh. Mr. Chairman, the
15 SORCA analysis that was run on Friday, the Reactor
16 Safety Team still thinks that's consistent with the
17 bullets they provided you, the high-level bullets on
18 top.

19 CHAIRMAN JACZKO: Okay, and what were
20 those high-level bullets -- unpacked?

21 MARTY VIRGILIO: On top.

22 LAURA DUDES: On top, the first page.
23 We just talked about the progression of the accident
24 and the assumptions.

25 CHAIRMAN JACZKO: Yes.

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1 LAURA DUDES: Okay.

2 CHAIRMAN JACZKO: No, I'm, I'm looking
3 for bottom-line conclusion here.

4 LAURA DUDES: Okay.

5 MARTY VIRGILIO: I would give you the
6 bottom line to say that the core could in fact drop,
7 but we don't expect containment to fail.

8 CHAIRMAN JACZKO: Okay. So we, so based
9 on this analysis, we believe the core -- each -- so
10 extrapolating to the conditions we might have in
11 Japan, based on the analysis that, some analyses
12 that we've done, we could conclude that we might see
13 a seal melt but that we would not go through the
14 containment, primary containment.

15 MARTY VIRGILIO: Right. You're reading
16 it right. Those top bullets -- that we believe that
17 the core material would relocate to the lower plenum
18 and, and it would fail by the lower head, and the
19 molten core would drop into the basement, basically
20 into the dry well. But we don't believe that
21 containment itself would fail.

22 CHAIRMAN JACZKO: Okay. So, again, from
23 a release standpoint, we wouldn't be predicting a
24 larger lease at all.

25 MARTY VIRGILIO: Right. Not, not unless

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1 that containment failed. That's correct, sir.

2 CHAIRMAN JACZKO: And a release that --
3 and so, again, there would be nothing that would
4 challenge the current, our current understanding of
5 their protective action recommendations, namely,
6 approximately a 12-mile evacuation possibly with
7 sheltering within the 12 miles?

8 LAURA DUDES: We think that they're
9 still doing a good job there.

10 CHAIRMAN JACZKO: I'm sorry. I can't
11 hear you. Please, as much as you can, just give me
12 yes or no answers.

13 LAURA DUDES: Yes. That's correct.

14 CHAIRMAN JACZKO: Okay. Can you give me
15 that information, again, with the very detailed
16 basis that you've given me -- that's very helpful
17 for me -- can you now give me an email that
18 summarizes that in about four or five bullets,
19 high-level, that I could use to explain to
20 Ambassador Roos?

21 LAURA DUDES: Yes.

22 CHAIRMAN JACZKO: Okay. Thank you.

23 MARTY VIRGILIO: All right, Chairman.
24 It's on the way.

25 CHAIRMAN JACZKO: Okay. Anything else?

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1 MARTY VIRGILIO: No. That's it.

2 CHAIRMAN JACZKO: Okay. Good work,
3 everybody. And again, stick to the facts. We
4 don't, we don't want to make the fact fit our hopes
5 and desires, but if we have information that we
6 believe is credible, make sure I know the caveats to
7 it. But, but let's be okay saying something if we
8 believe it's accurate.

9 MARTY VIRGILIO: Okay.

10 CHAIRMAN JACZKO: Okay, good. Thank
11 you.

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1 (CONFERENCE CALL INITIATED.)

2 3:07:07/3:12:22

3 (Standby conversation - no call.)

4 MALE PARTICIPANT: So we're working on
5 our the talking points for the two o'clock meeting.
6 We're working on trying to have most of the talking
7 points that everybody can use for these things. I
8 guess so these are the talking points used for the
9 two o'clock meeting.

10 And then there was sort of a vacuum we
11 didn't fill this morning on the phone call having to
12 do with the states and who's communicating with the
13 states. So what we're proposing is take that
14 one-pager and get it out to our RSLOs and then get
15 it out to the governor-appointed state liaison
16 officers so they'd have that same level of
17 information.

18 FEMALE PARTICIPANT: (Inaudible)?

19 MALE PARTICIPANT: Yes.

20 FEMALE PARTICIPANT: Okay, so Josh just
21 came back (inaudible) they've been working at a high
22 level (inaudible) little bit more high level.

23 MALE PARTICIPANT: Laura's working on
24 it. I thought -- do we know if it was sent or not?

25 MALE PARTICIPANT: Which one?

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1 MALE PARTICIPANT: That Laura
2 (inaudible)?

3 MALE PARTICIPANT: I'd check.

4 MALE PARTICIPANT: Anything else we need
5 to do?

6 FEMALE PARTICIPANT: No. I was just
7 (inaudible) take off (inaudible).

8 MALE PARTICIPANT: Okay.

9 FEMALE PARTICIPANT: I'm just going to
10 hang around the office (inaudible) or whatever.

11 MALE PARTICIPANT: Okay. Who can turn
12 up the television?

13 (Off mic conversation.)

14 MALE PARTICIPANT: But which, which one,
15 what channel do you think his press conference is
16 going to be on?

17 MALE PARTICIPANT: I would think that if
18 it's White House, it's --

19 (Simultaneous conversation.)

20 MALE PARTICIPANT: It would be on every
21 major network?

22 MALE PARTICIPANT: We have CNN up there.

23 MALE PARTICIPANT: (Inaudible) taped
24 footage.

25 MALE PARTICIPANT: I do too.

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1 (Off mic conversation.)

2 MALE PARTICIPANT: (Inaudible) the
3 watchdog. I think right now we're trying to rotate
4 Bill and Mike and I to handle the trip they're
5 supposed to take on Tuesday. So I think we want to
6 have one to three of us here on the dayshift.

7 FEMALE PARTICIPANT: Right, and right
8 now he's got (inaudible) or something.

9 MALE PARTICIPANT: Oh.

10 FEMALE PARTICIPANT: For the week.

11 MALE PARTICIPANT: Why don't we, why
12 don't we switch that off between Mike and I?

13 FEMALE PARTICIPANT: Okay.

14 MALE PARTICIPANT: So that you -- you
15 know.

16 FEMALE PARTICIPANT: On the day?

17 MALE PARTICIPANT: And that will leave
18 Bill free to do his whatever, and we can wheel Jim
19 in on the weekends, which would be really nice to
20 give Mike and I a break on the weekend.

21 FEMALE PARTICIPANT: Right. Yeah,
22 that'll work out. Okay, so.

23 MALE PARTICIPANT: Okay. Switch Bill
24 around and switch off Weber and me for the week, and
25 then I'll pick it up yeah, and then I'll pick it up.

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1 MALE PARTICIPANT: Yeah, and Mike and I
2 can --

3 (Extraneous content omitted.)

4 MALE PARTICIPANT: Are we trying to
5 scale back, or are we maintaining the same level of
6 support?

7 MALE PARTICIPANT: I think that's
8 appropriate. We're going to need to support our
9 team on the ground there. I mean, you know, I can
10 see the level, as excitement here, at least at this
11 level or higher while our folks -- once we have
12 people on the ground.

13 MALE PARTICIPANT: Yeah, I think I to
14 call-back capacity, and that's what they were
15 alluding to on the Department of State call that I
16 sat in on this morning.

17 You know, half a dozen guys or a dozen
18 guys on the ground are great, but we also need dose
19 calculations and everything they need.

20 MALE PARTICIPANT: Yeah.

21 MALE PARTICIPANT: And everything we
22 need.

23 MALE PARTICIPANT: Yeah, and we want
24 them to come to us.

25 MALE PARTICIPANT: It's working well now.

26
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1 (CONFERENCE CALL INITIATED.)

2 3:12:29/3:13:42

3 (Extraneous off-speaker call omitted.)

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(CONFERENCE CALL INITIATED.)

3:13:50/3:15:34

JOSH BASKIN: Hello? Josh Baskin. Is anybody there?

BRIAN McDERMOTT: Josh Baskin, hello. This is Brian McDermott.

JOSH BASKIN: Hello, Brian McDermott.

Favor: we sent an [REDACTED] [REDACTED] the talking points that the two team worked so hard on, so thank you very much for that. I copied the HOO and copied Marty on it, so you should have it.

Could we extend in whatever way is the most efficient way, whether it's through USAID or directly through Jim Trapp, could we extend an offer for the ambassador to talk on the phone with the Chairman about this if he has any questions?

BRIAN McDERMOTT: Will do.

JOSH BASKIN: It's not, it's not him insisting on a call. The ambassador is fine with that. But it's in offering if he has any questions.

BRIAN McDERMOTT: Got it.

JOSH BASKIN: And we are, anytime is fine. We'll be back in the building in about 10 minutes.

BRIAN McDERMOTT: I okay. Very good.

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1 JOSH BASKIN: Okay. Any, any updates
2 for, for him right now?

3 BRIAN McDERMOTT: No. We've got Marty
4 going, as we speak, off to talk with the Hill
5 staffers, coordinated with OTA, and it's a, similar
6 talking points. And he's going to go through that.

7 JOSH BASKIN: Is that in person?

8 BRIAN McDERMOTT: No. No, he's just in,
9 on a conference call. It's a scheduled conference
10 call. They had one yesterday, and OTA covered it.

11 JOSH BASKIN: Okay.

12 BRIAN McDERMOTT: And given all the
13 interest, Marty's going to join this one.

14 JOSH BASKIN: And the talking points are
15 the, just the abbreviated versions of what we know
16 that we've been sharing with NRC?

17 BRIAN McDERMOTT: That's correct.

18 JOSH BASKIN: Okay.

19 BRIAN McDERMOTT: Thanks, Josh.

20 JOSH BASKIN: Okay.

21 BRIAN McDERMOTT: Okay.

22 JOSH BASKIN: Sounds good. Thank you.

23 BRIAN McDERMOTT: Thank you.
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25

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1 (CONFERENCE CALL INITIATED.)

2 3:15:37/3:20:13

3 CHAIRMAN JACZKO: Hello.

4 BILL: Hey, Chairman, Bill here.

5 CHAIRMAN JACZKO: Hey, Bill. Can we
6 make sure at some point we get the results of, of
7 our assessment in one of these sitreps that we're
8 doing?

9 BILL: Yeah. You mean attached than as
10 an enclosure or to the back of it?

11 CHAIRMAN JACZKO: You know, I would
12 actually suggest maybe just a high-level rollup of
13 it.

14 BILL: Okay.

15 CHAIRMAN JACZKO: And just include it in
16 a -- you know, kind of much like what we did with
17 the analysis of the readings from the Naval ships.

18 BILL: Yep.

19 CHAIRMAN JACZKO: I think that's
20 perfect. And then that'll get it out in the
21 community. And then, you know, with maybe, like
22 with NARAC and all those people, we're sharing the
23 more detailed information.

24 BILL: Yeah, that's good. All right.

25 CHAIRMAN JACZKO: Are we set with the

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1 team then?

2 BILL: Yeah. We're locked in on the
3 team members. They're interfacing with Dr. Kahoo
4 (phon) --

5 CHAIRMAN JACZKO: Great.

6 BILL: -- and making plans. There's --
7 we have -- I don't have any of idea exactly when
8 we're actually going to be able to get them
9 airborne.

10 CHAIRMAN JACZKO: Okay.

11 BILL: There's some talk about engaging
12 the White House to see if we could get a, a charter
13 plane or a military plane.

14 CHAIRMAN JACZKO: Okay.

15 BILL: But that'll work out. At the
16 very least, it'll be -- I don't want to say -- it
17 could be as late as tomorrow morning but not later
18 than that.

19 CHAIRMAN JACZKO: Okay. Okay. And if
20 there's a problem, then let me know and I can weigh
21 in directly with the head of AID to, just to say,
22 you know, if we can expedite this, anything we can
23 do could be, would be good to expedite. So let me
24 know if you're not making progress and I can do
25 that.

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1 BILL: Okay.

2 CHAIRMAN JACZKO: Good. Anything,
3 anything you all need? Are you all in good shape?

4 BILL: Yeah, I'll let Brian go. I just
5 stopped up here. Marty's actually on shift. He's
6 briefing Hill staffers right now.

7 CHAIRMAN JACZKO: Oh, okay. Good.

8 BILL: Let me just say that I watched
9 the press conference on the CNN website, and I think
10 it was really good that we were there because I
11 think it would have been way off message if the
12 regulator ~~wasn't~~ in that.



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17 BILL: Yeah, they would've killed
18 Poneman, I think.

19 CHAIRMAN JACZKO: Yeah. Yeah. Anyway
20 -- you know, I don't know if you didn't hear. I
21 mean, they basically just said -- I mean, they've
22 been very good about deferring to us and keeping us
23 in the loop and relying on us, so it just seemed
24 really odd. But it just came out -- well, I mean,
25 you heard it. They were just uncomfortable. You

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1 know, they thought it would be inappropriate, and so
2 I think it was good that we, you know, we just told
3 them and it worked out.

4 BILL: Yes.

5 CHAIRMAN JACZKO: So, hopefully -- was I
6 was in the right zone as far as accuracy and things
7 like that?

8 BILL: Yeah. Yeah. I didn't, I didn't
9 see any damage.

10 I think the thing we need to tell
11 Poneman, and even maybe we can start communicating
12 to external cycles, is that if we go into emergency
13 mode, we're not so worried about being, taking
14 enforcement action. We're trying to problem solved.

15 CHAIRMAN JACZKO: Yeah. Yeah.

16 BILL: And at that point, you're all in
17 the same boat.

18 CHAIRMAN JACZKO: Yeah. Absolutely.

19 BILL: Since I have you on the phone,
20 this is a relatively minor issue, but we got a [sic]
21 invitation by, [REDACTED]

22 [REDACTED]

23 [REDACTED] --

24 [REDACTED] [REDACTED]

25 [REDACTED] [REDACTED]

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CHAIRMAN JACZKO: Okay.

BILL: You don't know anything about
that?

CHAIRMAN JACZKO: No, I've not.

BILL: Okay. So I was, we're trying to
figure out who to send to that, but we'll send some
(inaudible) level, but not necessarily real high.

CHAIRMAN JACZKO: Yes. Yeah, that
makes sense.

BILL: That's all I have right now.

CHAIRMAN JACZKO: Okay, thanks Bill. I
appreciate it.

And, you know, I can't reiterate enough,
it's very easy for me to go up there and make
statements because of the work that you all have
done to get me information, you know, and I have
absolute trust in everything that's coming out of
the staff, so just continue to provide me with, with
reliable, credible, timely information, and the best
I'll do is just try and communicate that.

BILL: We'll do our best.

CHAIRMAN JACZKO: Good. Thanks, Bill.
I appreciate it.

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(CONFERENCE CALL INITIATED.)

3:20:17/3:20:55

(Extraneous conference call omitted.)

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(CONFERENCE CALL INITIATED.)

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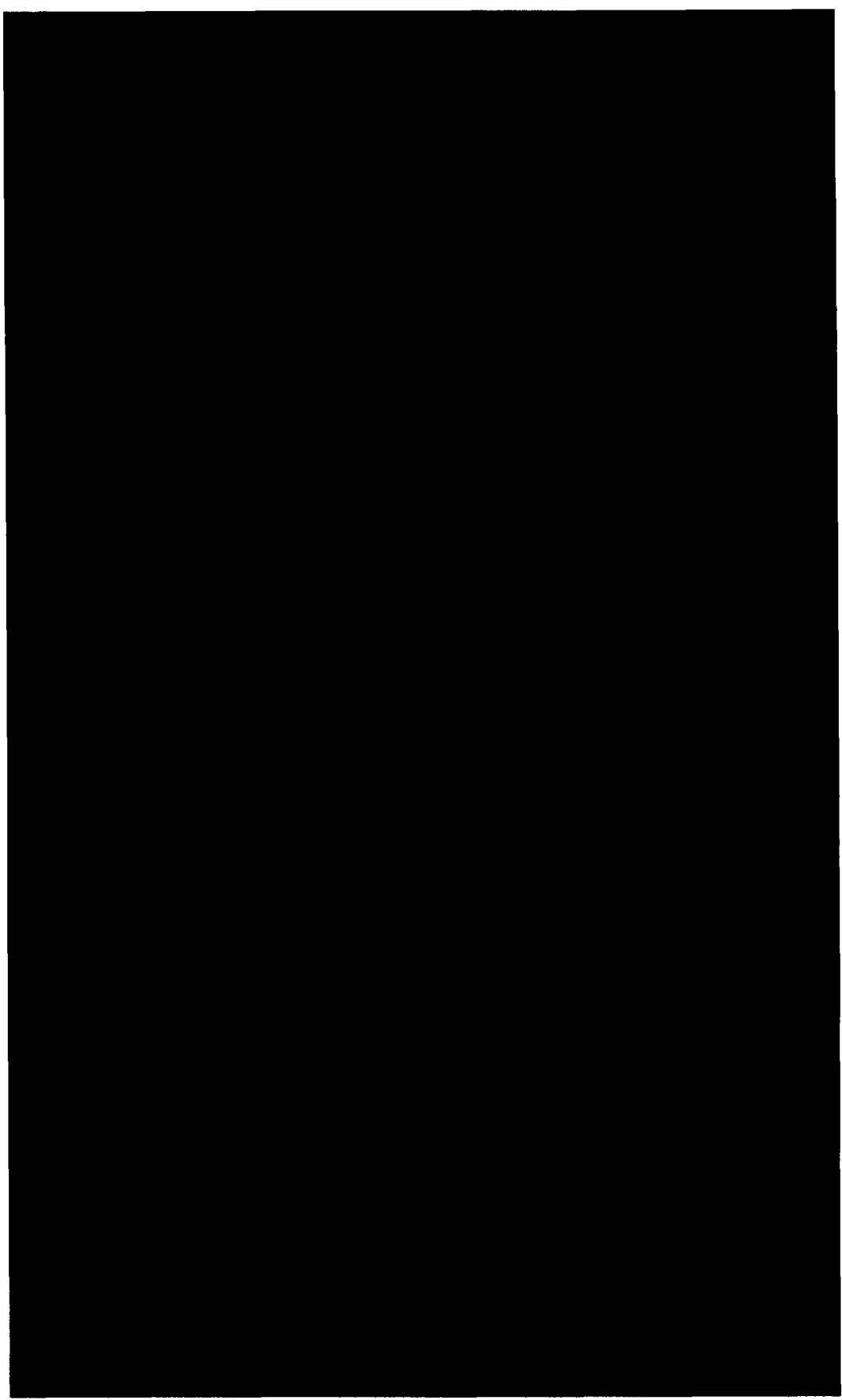
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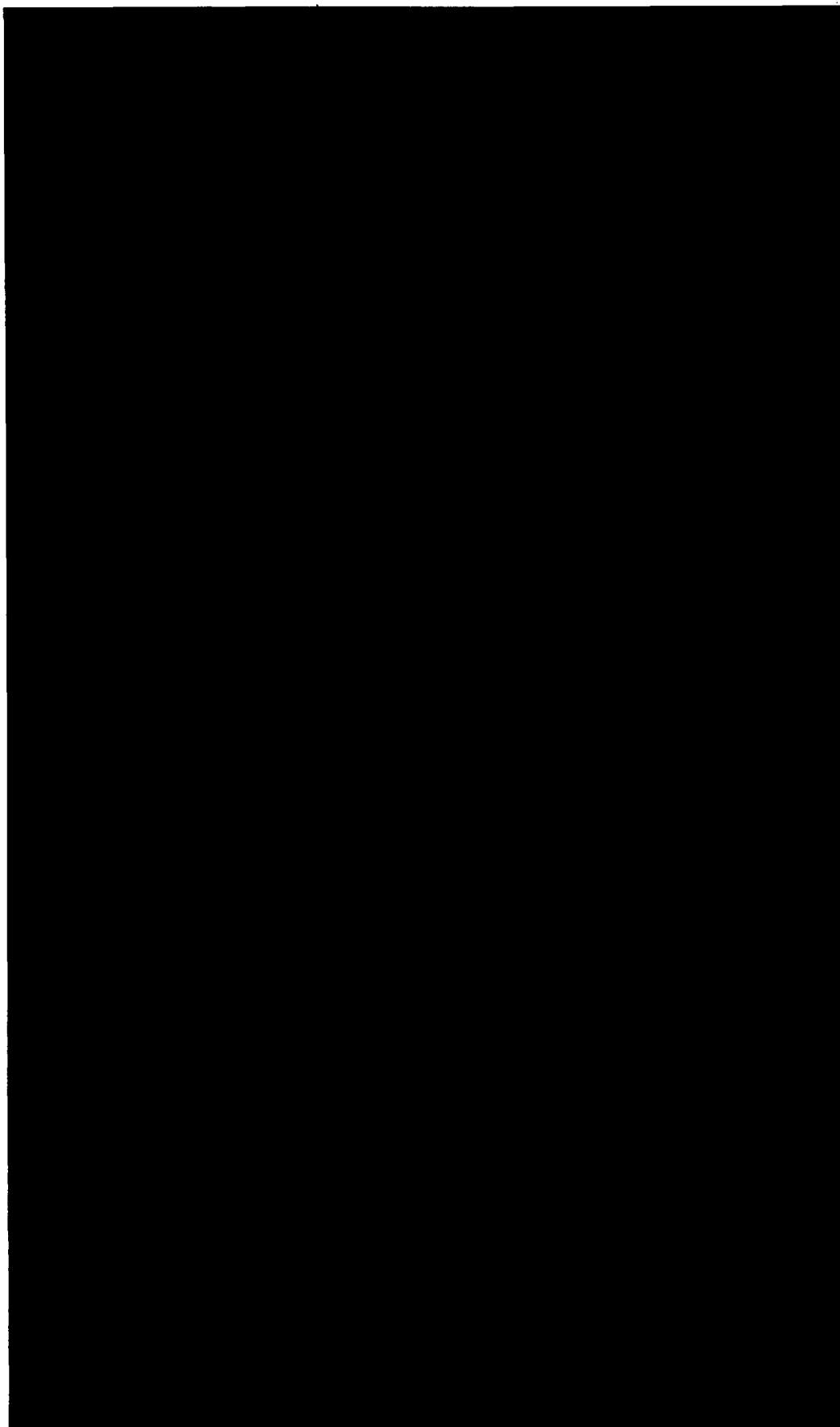
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1 (CONFERENCE CALL INITIATED.)

2 3:32:34/3:41:04

3 MARTY VIRGILIO: Good afternoon. This
4 is Marty Virgilio in the ops center. What I want to
5 do is give you just a brief overview of where we are
6 in terms of the status of the facilities that we've
7 been monitoring and just give you a general update
8 on a few other items.

9 All of our attention this afternoon has
10 really been focused on the Fukushima Daiichi Units
11 1, 2, and 3. We're looking at Unit 1. About six
12 hours or so ago, they were able to restore seawater
13 injection. And although we believe that there is
14 damage to that reactor core, at least the situation
15 is a little bit more stable.

16 Unit 2, what they've done -- if you
17 recall, on Units 1 and 3, is they had a hydrogen
18 explosion that took the roof and the sides off of
19 the secondary containment. We understand that
20 they've cut a hole in the roof of that Unit 2
21 secondary containment in order to relieve pressure
22 and hopefully make sure that we don't wind up with a
23 flammable or a combustible limit of hydrogen
24 build-up. Although RCICS has failed, we understand
25 that they have restored core cooling via seawater

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1 injection. We don't exactly know how that's being
2 accomplished; we just know it's being accomplished
3 at this time.

4 With regard to Unit 3, it's in
5 essentially the same condition. They, they have
6 resumed injection, seawater injection.

7 For all three units, we understand that
8 containment is functional. There's no challenge
9 there. And currently, there's no concern with
10 regard to the spent fuel pools at any of the
11 Fukushima Daiichi units or any of the other units.
12 Although, for the Fukushima Daiichi units, without
13 any AC power and limited DC power, they're going to
14 have to keep an eye on on the central core in order
15 to ensure that that doesn't become an issue.

16 Let me move on from the plant to give
17 you some general information. And before I do that,
18 let me just put a parenthetical on the -- on the
19 information that we just reported on the plant, that
20 information has come via Tony Ulses, who is now on
21 shift supporting the ambassador in Japan.

22 Just some general information. We're
23 working with the USAID to coordinate on what
24 additional equipment -- when you think about the 5B,
25 the follow-up work we did from 9/11 where we

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1 identified additional, non safety-related equipment
2 such as diesel-power pumps, air compressors, motor
3 power for valves like bottled nitrogen or air these
4 kinds of things, positive displacement pumps. We
5 have provided a list of those kinds of things that
6 might be useful in helping to mitigate this
7 accident. This was developed by our Reactor Safety
8 Team in coordination with Jim Trapp, who is on the
9 ground there in Japan and knows essentially what
10 they have and what they might need.

11 In addition to having Jim and Tony in
12 country, we have developed a list of additional
13 experts that we are sending from NRC. These include
14 staff from NRR in the regions, staff from OIP, and
15 this group is being led by, by our regional deputy
16 administrator from Region II, Chuck Casto. Chuck is
17 also going to serve in a broader role in
18 coordinating the US activities that are going to be
19 ongoing in support of this disaster recovery as it
20 relates to the reactors. So Chuck is going to have
21 a very significant role over there in support of the
22 ambassador as well as leading our team efforts and
23 the efforts of other US agencies in support of the
24 recovery efforts.

25 We've continued to have interaction

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1 throughout today with Congress, congressional staff.

2 Amy and I got, were in a briefing and gave them an
3 overview similar to the overview that I'm giving you
4 today.

5 We haven't issued any press releases
6 today. Our position is articulated in the last
7 press release with the respect to, we don't believe
8 any harmful levels of radiation would reach the
9 United States and we're suggesting strongly that the
10 Japanese protective action recommendations are
11 consistent with the US, and US citizens in Japan
12 should follow the Japanese recommendations.

13 In our spare time, we've been developing
14 some accident progression estimates. What would
15 happen now if in fact that fuel were to, to slump
16 and penetrate the reactor vessel? We're also doing
17 estimates of dose should there be a release. We're
18 developing Qs & As to support what we expect to be
19 coming in from our stakeholders over the next few
20 days, including addressing the safety of the
21 reactors in operation in the United States.

22 So that's sort of summary of where we
23 are and what we've been working on. Do you have any
24 questions?

25 PAT CASTLEMAN: Marty, this is Pat

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1 Castleman. In the latest status update or sitrep,
2 it says that the USFJ is providing equipment to pump
3 water at high pressure to assist Tepco at its
4 Fukushima nuclear plant.

5 The question is what is USFJ?

6 MALE PARTICIPANT: Yeah, I think it's
7 short for U.S. Forces Japan.

8 MARTY VIRGILIO: Did you hear that, Pat?

9 PAT CASTLEMAN: No, I didn't.

10 MARTY VIRGILIO: United States Forces
11 Japan.

12 PAT CASTLEMAN: Okay. Sounds good.

13 Thank you.

14 MARTY VIRGILIO: Okay. That concludes
15 today's briefing. I hope that was sufficient for
16 what you need.

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(CONFERENCE CALL INITIATED.)

3:41:40/3:47:10

Hey, this is [REDACTED]

Who am I talking to?

MARTY VIRGILIO: This is Marty Virgilio

again, [REDACTED]

Oh, great, Marty. Hey,

Marty, how closely are you guys working with Greg Jaczko?

MARTY VIRGILIO: He's my boss. He's my boss's boss.

He's your boss's boss,

okay. We need to get some insight. I [REDACTED]

[REDACTED] on the line here, also from our office. He runs Pan Asia. And I'm going to conference him in on this call. Okay, Marty?

MARTY VIRGILIO: Okay.

(Standby.)

(Extraneous content omitted.)

Jeff, Marty is, works directly for Greg.

Okay.

And maybe you can talk with him. I think he'll have some understanding on

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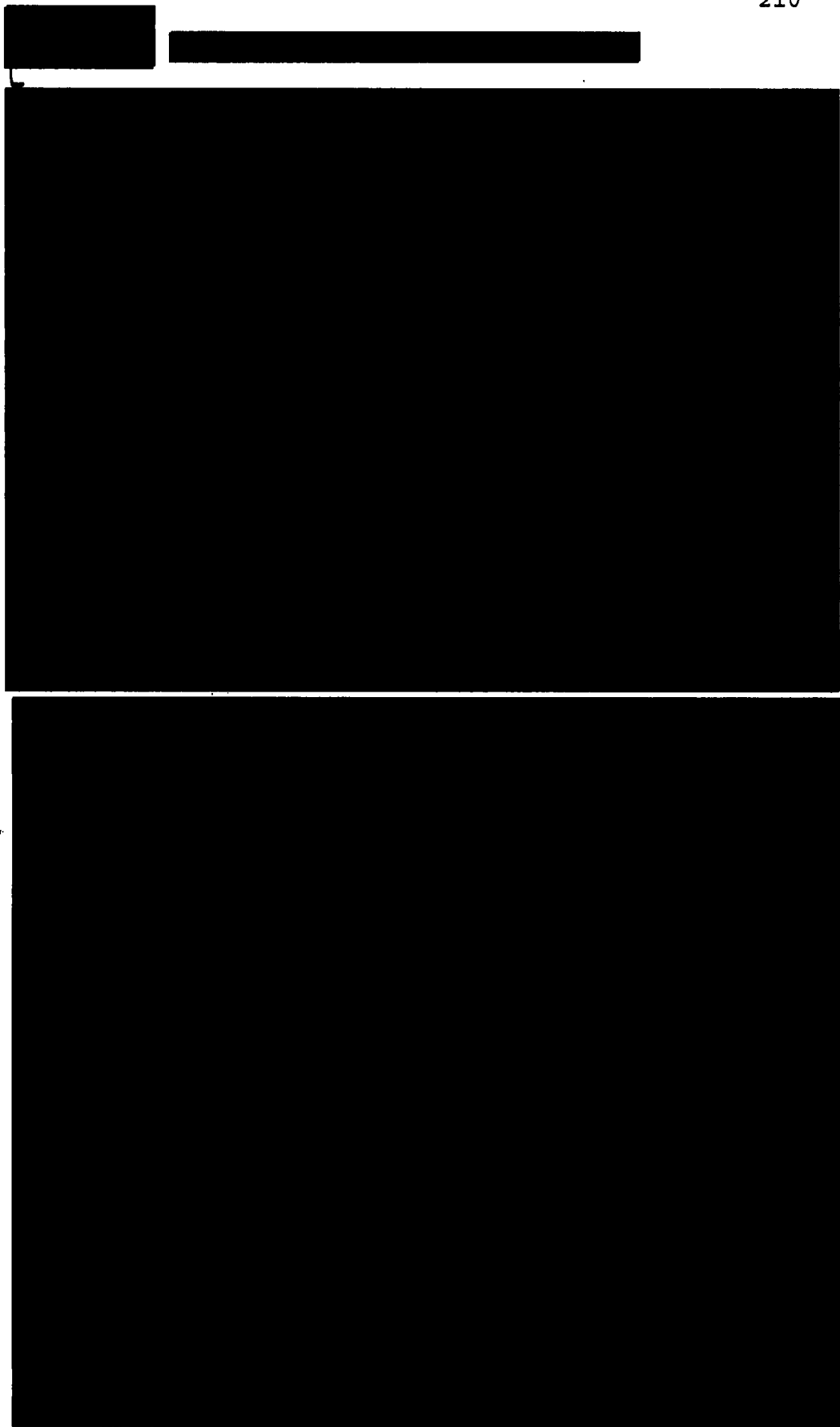
2 [REDACTED] Okay, great.

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[REDACTED]

I mean, that's my understanding, and I think that's what you're saying. Is it, Marty?

MARTY VIRGILIO: Right. Right. I mean, yeah.

[REDACTED]

MARTY VIRGILIO: I mean, I'm following our lead from the ambassador, so I think he's probably the better person to ask this question in

[REDACTED]

[REDACTED] ie.

[REDACTED]

[REDACTED]

[REDACTED]

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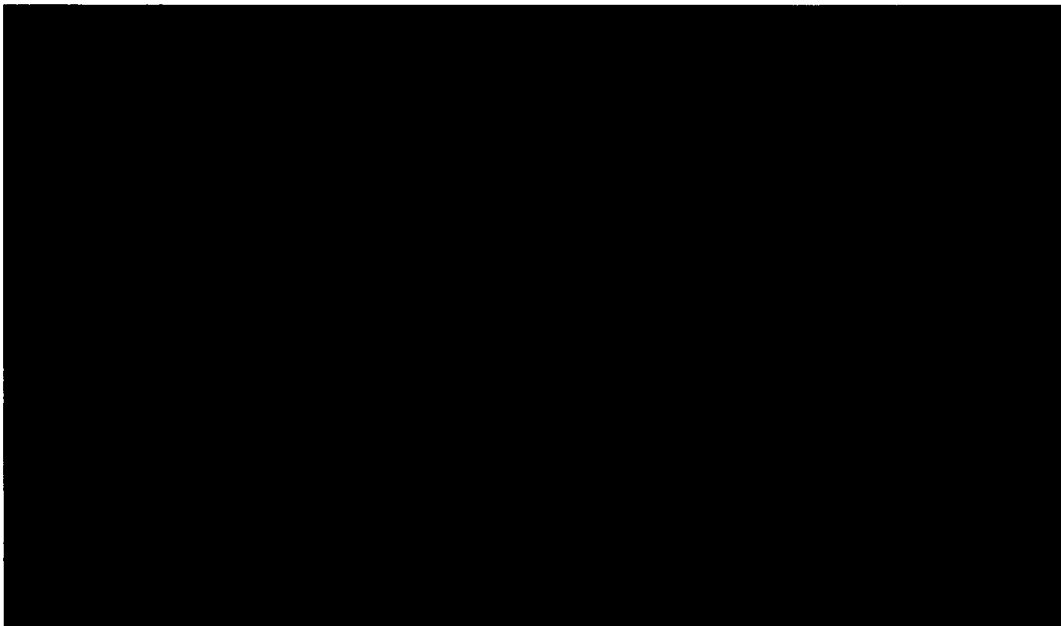
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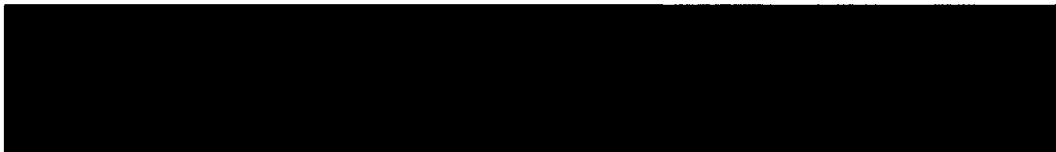


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[REDACTED] Okay. That --

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MARTY VIRGILIO: It would allow us the access to the data and the information firsthand, then you're not worried or relying on somebody to communicate it to you.



5

But, [REDACTED] I think you've got technical judgment.

[REDACTED] Got it.

[REDACTED] Is that okay?

[REDACTED] That's --

6

[REDACTED] Hey, thanks, Marty. I appreciate that.

[REDACTED] thanks.

[REDACTED] You're welcome. Bye-bye.

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1 (CONFERENCE CALL INITIATED.)

2 3:47:30/3:51:00

3 (Standby until 3:47:48.)

4 CHAIRMAN JACZKO: How are things going,
5 folks?

6 JACK GROB: Things are going better here
7 than they are in Japan.

8 CHAIRMAN JACZKO: How, how are things in
9 Japan?

10 JACK GROB: The, we have no new
11 information. We're going to be getting information
12 from our folks on the ground there over the next
13 couple of hours.

14 We're expanding the staff in here at the
15 ops center to include a stronger component of
16 Protective Measures Team people.

17 CHAIRMAN JACZKO: Okay.

18 JACK GROB: The most important thing
19 that I've heard recently is that there's expected
20 weather changes and, which will cause window shift
21 inland instead about to see.

22 CHAIRMAN JACZKO: Okay.

23 JACK GROB: And that changes the dynamic
24 of the protective measures aspects of this, and
25 that's why we're --

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1 CHAIRMAN JACZKO: Hey, I'm going to put
2 you on hold for just a second.

3 JACK GROB: Okay.

4 (Standby.)

5 CHAIRMAN JACZKO: Are you still there?

6 JACK GROB: Yes.

7 CHAIRMAN JACZKO: Okay. Now the last I
8 saw was that they are re-injecting seawater again.

9 JACK GROB: That's correct.

10 CHAIRMAN JACZKO: Okay. And again, even
11 if there's a wind shift, would we anticipate that
12 the, the 20-kilometer evacuation is, is inaccurate?

13 JACK GROB: On the surface, the
14 evacuation team, consistent with what we would do as
15 far as protecting people, given the levels of
16 releases that they're experiencing.

17 We haven't heard anything about
18 protecting the ingestion pathway.

19 CHAIRMAN JACZKO: Okay.

20 JACK GROB: And we would likely be
21 issuing some protective measures for cows and feed
22 and stuff like that.

23 CHAIRMAN JACZKO: But in terms of our
24 people right now there, the people there, they seem
25 to be consistent.

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1 JACK GROB: Yes. Correct.

2 CHAIRMAN JACZKO: Okay, and that may be
3 just be -- you know, a lot of people are just, they
4 may just be doing that, they're just not
5 communicating that to us because that may not be of
6 significant interest.

7 JACK GROB: And also, the wind was going
8 out to see.

9 CHAIRMAN JACZKO: Yeah. So, the wind
10 shift, for the wind shift, you're concern has to do
11 more with ingestion pathway issues than with kind of
12 the equivalent of EPG pathway issues.

13 JACK GROB: And that assumes that they
14 have actually successfully implemented the
15 evacuation.

16 CHAIRMAN JACZKO: Okay.

17 JACK GROB: Twenty-kilometers is
18 roughly, it's about 12 miles.

19 CHAIRMAN JACZKO: Yeah.

20 JACK GROB: Yeah, that, that should be
21 fine. It's consistent with what we would recommend.

22 CHAIRMAN JACZKO: Yeah.

23 JACK GROB: Is there anything else I can
24 answer for you, Chairman?

25 CHAIRMAN JACZKO: Nope. Did we get Mike

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1 Dudek yet?

2 JACK GROB: Have we gotten him yet?

3 MALE PARTICIPANT: Yeah. He called back
4 in. He had to get somebody to forward the call.

5 JACK GROB: He's calling back in, so
6 when he calls in, we'll connect you with him.

7 Do you want to listen to -- we're just
8 going through a team leaders briefing here at the
9 ops center. Do you want to listen to this or do you
10 want me to put you on mute?

11 CHAIRMAN JACZKO: Yeah, keep my mic on
12 just in case I need anything from you, but you can
13 mute your end.

14 JACK GROB: Okay.

15 CHAIRMAN JACZKO: Because I just want to
16 make sure when I talk to Mike that we've got
17 everybody on the same page.

18 JACK GROB: Okay, thank you.

19 CHAIRMAN JACZKO: Okay, thanks.

20 (Standby.)
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1 (CONFERENCE CALL RE-INITIATED.)

2 3:51:00/3:53:37

3 CHAIRMAN JACZKO: Hey, Mike? Mike?

4 MIKE DUDEK: Yes, sir. How are you
5 doing?

6 CHAIRMAN JACZKO: Good. How are you?

7 MIKE DUDEK: Good.

8 CHAIRMAN JACZKO: Hey, AID is telling me
9 they don't want to let you go, so I told them you
10 got to come back.

11 MIKE DUDEK: You mean back to the NRC?

12 CHAIRMAN JACZKO: Yeah.

13 MIKE DUDEK: Come back now?

14 CHAIRMAN JACZKO: What? No, no, no, I'm
15 just kidding. I'm thinking long-term. Long-term.

16 (Laughter.)

17 CHAIRMAN JACZKO: You're doing a good
18 job. That's what I'm trying to say.

19 MIKE DUDEK: Oh, thank you, sir. I much
20 appreciate it. I'm here with Jason Kozel also.

21 CHAIRMAN JACZKO: Oh, good. Oh, good.
22 Hey, look, did you have our list of
23 folks yet?

24 MIKE DUDEK: We do. I was just sent the
25 nine names and cell phone numbers. We were going to

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1 have to call them each individually, I think, to get
2 additional information because it's getting a little
3 bit more in depth than we originally thought.

4 CHAIRMAN JACZKO: Okay. What do you
5 need from us in order to get those folks on the next
6 available flight?

7 JASON KOZEL: Okay, hold on. I'm going
8 to give you the list of stuff. I'm crafting an
9 email to shoot it out.

10 Is this Josh?

11 CHAIRMAN JACZKO: No. This is Greg
12 Jaczko.

13 JASON KOZEL: Oh, I'm sorry, Chairman.

14 Yeah, I've got a list of information.
15 We just got it. We've got Chuck Casto set up. He's
16 got a flight at eight o'clock.

17 CHAIRMAN JACZKO: Okay.

18 JASON KOZEL: The thing is, due to the
19 physics, nobody can get there until Wednesday.

20 CHAIRMAN JACZKO: What's that?

21 JASON KOZEL: Nobody's going to be there
22 until Wednesday just due to the law of physics.
23 There's no route that can get them there before that
24 because of the time difference.

25 CHAIRMAN JACZKO: Okay. So what flight

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1 are they going to get on, then, tonight?

2 JASON KOZEL: The folks out of DC are
3 going to get on the 10:15 flight out of Dulles.

4 CHAIRMAN JACZKO: Okay.

5 JASON KOZEL: And we're working on, Mr.
6 Casto's got an eight o'clock flight to, to Tokyo
7 right now. He's headed to the airport right now.
8 He got his tickets. And then we're working on the
9 folks from Philly and Chattanooga as well.

10 CHAIRMAN JACZKO: Okay. Good. So you
11 guys, you guys got them? They're yours now. You
12 understand that?

13 JASON KOZEL: Absolutely, sir.

14 MIKE DUDEK: Absolutely, sir.

15 CHAIRMAN JACZKO: And you're going to
16 make sure they get there pronto?

17 JASON KOZEL: That's what our whole
18 mission is right now.

19 CHAIRMAN JACZKO: Okay, and anything,
20 again, if you need anything to get them there, if
21 there's anything I can do, you call me directly.

22 JASON KOZEL: Yes, sir.

23 MIKE DUDEK: Yes, sir. We understand
24 that.

25 CHAIRMAN JACZKO: And if there's any

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1 problems you see with AID -- they've been doing a
2 great job, I know.

3 MIKE DUDEK: They are fantastic down
4 there.

5 JASON KOZEL: There, there is no
6 problem, sir. We've worked everything out. We
7 talked to their legal. If there's any issues
8 around, about paying people, they're going to take
9 care of it later. It's not a big deal.

10 CHAIRMAN JACZKO: Good. And if there's
11 any roadblock, you tell me and I'm going to call the
12 administrator directly.

13 JASON KOZEL: Yes, sir.

14 MIKE DUDEK: We understand.

15 CHAIRMAN JACZKO: Okay. Thanks, guys.

16 MIKE DUDEK: Do you need anything else
17 from us?

18 CHAIRMAN JACZKO: No. I just need you
19 to come back to work here eventually.

20 (Laughter.)

21 MIKE DUDEK: We understand.

22 JASON KOZEL: Yeah. No problem, sir.

23 CHAIRMAN JACZKO: Okay. Thank you.

24 Goodbye.
25

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1 (CONFERENCE CALL INITIATED.)

2 3:53:48/3:59:58

3 (Standby until 3:54:07.)

4 CHAIRMAN JACZKO: Hello?

5 JACK GROB: Yes, Chairman.

6 CHAIRMAN JACZKO: How are you?

7 JACK GROB: I'm great. You always ask
8 that, and it catches me by surprise every time.

9 CHAIRMAN JACZKO: Well, it's, it's good
10 to hear you saying you're great.

11 JACK GROB: I'm always great.

12 CHAIRMAN JACZKO: Good.

13 JACK GROB: I'm, we could be Japanese
14 right now, and have three melting reactors.

15 CHAIRMAN JACZKO: Oh, gosh. So what do
16 we know?

17 JACK GROB: The information sheet that
18 you got at 2:45 is still our current information.

19 CHAIRMAN JACZKO: Okay.

20 JACK GROB: The entire team is here
21 listening to you, the Reactor Safety Team and
22 Protective Measures Team.

23 I, I informed you briefly earlier -- and
24 Eliot's also here -- that, that we're anticipating a
25 wind shift. The decision was made this past weekend

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1 that we didn't need a strong Protective Measures
2 Team here in the response center.

3 CHAIRMAN JACZKO: Yeah.

4 JACK GROB: Since then, we've had two
5 more units that have damaged fuel, and now it
6 appears that we're going to have some weather
7 shifts, so we're going to become more robust and our
8 capabilities to do protective measures work.

9 CHAIRMAN JACZKO: Okay.

10 JACK GROB: And dose assessment,
11 meteorology, the geography people, all of those
12 types of skill sets. So over the next several
13 hours, we'll be expanding in that area.

14 We talked about the, the operations
15 center status update that we issue roughly every
16 eight hours out of this facility.

17 CHAIRMAN JACZKO: Um-hmm.

18 JACK GROB: We're going to be issuing
19 one of those around nine o'clock.

20 CHAIRMAN JACZKO: Okay.

21 JACK GROB: And it will include an
22 update of the information that's in there as well as
23 it will include a new section that is projections
24 based on what we know and what we think we might
25 know. . And they're very carefully crafted. 'Here's

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1 what we would project over the next several days for
2 the condition of the reactor, the condition of the
3 spent fuel pool, and. and radiological conditions.'

4 CHAIRMAN JACZKO: And I, I just caution
5 that we just are very careful that we don't -- I
6 mean, so far we've not really done a lot of forward
7 projecting, and I just, I just want to make sure
8 that we're not putting out anything that later we
9 may be inaccurate with because, you know, that's --
10 the biggest danger is that we say something, and if
11 we do that and we're wrong, we lose all our
12 credibility.

13 JACK GROB: Okay. We'll be very careful
14 in that regard.

15 CHAIRMAN JACZKO: Okay, good.

16 JACK GROB: We also talked with Eliot
17 about the need for possibly a press release since
18 the agency's posture with the dispatching of the
19 team is changing, and it would seem appropriate that
20 that's an appropriate time for a press release.

21 CHAIRMAN JACZKO: Okay.

22 JACK GROB: We have information that you
23 received of the various times the folks are leaving.
24 We'll finish getting those factual details and
25 Eliot will be developing a press release.

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1 CHAIRMAN JACZKO: Okay, great. And,
2 Eliot, can you work with AID on that?

3 Or, is Eliot on?

4 ELIOT BRENNER: I am, I am on, and I
5 will share it with them.

6 CHAIRMAN JACZKO: Good, because I think
7 at this point, we've identified them for AID.
8 They're in AID's hands at this point, and to some
9 extent, they cease kind of being NRC folks right
10 now. They're going to be part of an AID government
11 kind of response team.

12 ELIOT BRENNER: Okay, do you just want
13 me to give them information the information to fold
14 into their package?

15 CHAIRMAN JACZKO: Yeah, maybe. Yeah.
16 Just, just give them a ring and see what they're
17 doing. Ask them, do they want us to put out a
18 separate release? Do they want a release? However
19 they want to do it.

20 ELIOT BRENNER: Okay. Will do.

21 JACK GROB: The only other thing that I
22 want to let you know is that we were contacted by
23 the Department of Health and Human Services and they
24 were asking very high-level safety questions
25 regarding our people in Japan as well as people that

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1 we might be sending to Japan --

2 CHAIRMAN JACZKO: Okay.

3 JACK GROB: -- you know, search and
4 rescue teams, things like that. And we provided
5 information to Health and Human Services in response
6 those inquiries.

7 CHAIRMAN JACZKO: Good.

8 JACK GROB: I think that's it right now,
9 sir.

10 TIM MCGINTY: This is Tim McGinty.
11 Right when you came on, we were talking about a
12 series of requests that we're getting from our RSLOs
13 in the region.

14 CHAIRMAN JACZKO: Okay.

15 TIM MCGINTY: So I was working with
16 Eliot to, to get to a set of information that, that
17 we can provide to the RSLOs, and it's, it's kind of
18 the types of questions that you might expect to hear
19 from congressional interests as well as, obviously,
20 from individual states.

21 CHAIRMAN JACZKO: Good.

22 TIM MCGINTY: But we're going to try --
23 and we're getting a lot of questions, and we're
24 trying to simplify into a relatively generic set --

25 CHAIRMAN JACZKO: Good.

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1 TIM MCGINTY: -- that we can provide
2 equivalently, and I'd like to see if you have any
3 direction in that regard.

4 CHAIRMAN JACZKO: Can you, can you have
5 the Liaison Team reach out to FEMA? Because FEMA
6 also has very good contacts with state and locals,
7 and they have their whole kind of emergency
8 infrastructure and contacts with the states. So we
9 just want to make sure that we're talking with one
10 voice, as they're likely getting the same kind of
11 calls from state and locals.

12 TIM MCGINTY: I can make sure of that.

13 CHAIRMAN JACZKO: Okay. Thank you.

14 JACK GROB: Okay, very good. What would
15 be your expectation, sir, for an update later this
16 evening?

17 CHAIRMAN JACZKO: It sounds like I'm
18 hearing you'll have an update about nine o'clock, so
19 why don't we, if you have a new, a new issuance of
20 the sitrep, so why don't we plan to have nine
21 o'clock be the next update for me.

22 JACK GROB: That sounds right, sir.
23 We'll do that at nine o'clock.

24 CHAIRMAN JACZKO: Okay. And again, is
25 something changes in the situation, don't hesitate

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1 to call me.

2 JACK GROB: Very good. Thank you, sir.

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1 (CONFERENCE CALL INITIATED.)

2 4:00:00/4:02:26

3 (Standby until 4:00:55.)

4 CHAIRMAN JACZKO: Hey, Chuck?

5 CHUCK CASTO: Yes, sir.

6 CHAIRMAN JACZKO: How are you?

7 CHUCK CASTO: Good, sir.

8 CHAIRMAN JACZKO: Hey, I just wanted to
9 give you a sendoff before you get ready to get on a
10 plane. I can't tell you how important what you're
11 about to go do is. I have, the agency and everyone
12 has, and the nation really, has a tremendous
13 confidence in you and the role you're going to be
14 playing coordinating a lot of activity for the
15 ambassador in Japan in what is a very, very
16 difficult situation.

17 I personally promised him and the
18 administrative AID that we'd send them a strong
19 person, and Bill and I were both very comfortable
20 about you, you're going to do a great job over
21 there.

22 CHUCK CASTO: Oh, thank you, sir.

23 CHAIRMAN JACZKO: And you are, you and
24 your team are there to help the ambassador in any
25 way, shape, or form that you can help the

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1 ambassador, so I really appreciate your willingness
2 to do this. You're going to be a tremendous help
3 to, to, to the country of Japan and the United
4 States government.

5 So, if you need anything, you call me
6 directly. But you know, the ambassador is your guy.

7 Anything you mean he needs, you do whatever you
8 need for him.

9 CHUCK CASTO: I understand that. And
10 you know, it's a great team behind us and all the
11 people here in the NRC and others in the, in the
12 United States, I know they're there for reserves for
13 us. I know that.

14 CHAIRMAN JACZKO: Excellent. Well, be
15 safe and have a good, safe trip.

16 CHUCK CASTO: Thank you, sir.

17 CHAIRMAN JACZKO: Okay. Thanks, Chuck.

18 CHUCK CASTO: Goodbye.
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1 (CONFERENCE CALL INITIATED.)

2 4:02:30/4:10:42

3 (Standby until 4:03:23.)

4 MJ: Hey, Marty. This is MJ. Jack
5 wants to talk to you. He just ran to get a couple
6 coffee right outside the door.

7 MARTY VIRGILIO: That's okay. I can
8 hold.

9 MARTY VIRGILIO: Thanks. Yeah, I think
10 he'll be right back. We just had a couple briefings
11 calls, talked with the Chairman, so maybe that's
12 what he wants to update you on.

13 MARTY VIRGILIO: Great. That would be
14 terrific. And I'm downloading emails that -- we
15 need a better system because people are emailing me
16 thinking that I'm picking up e-mails while I'm in
17 the ops center and so I've got a few things to share
18 with you.

19 MJ: Oh, okay. Great. Here comes Jack
20 back.

21 JACK GROB: I apologize, Marty. I
22 stepped out to get a cup of coffee.

23 MARTY VIRGILIO: That's quite all right.

24 JACK GROB: There was just one item that
25 I wanted to make sure you're aware of.

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1 MARTY VIRGILIO: Okay.

2 JACK GROB: The, the decision this past
3 weekend that you folks made to, to not fully staffed
4 the PMT, since that has occurred, we've had a couple
5 more reactors melt fuel, and now we've just heard
6 that there's a weather change, a weather pattern
7 change, and the winds may shift such that they're
8 not blowing out to sea but blowing inland.

9 Because of that, we thought it apropos
10 to get a full complement of PMT, a critical mass of
11 PMT in here -- meteorologists, dose projection
12 folks, leadership, as well as the geography folks --
13 and we're going to be staffing of the PMT this
14 evening.

15 MARTY VIRGILIO: I think that's the
16 right way to go, Jack, and that also will help us
17 with the Chairman's desire that we have better dose
18 projections. So I support you doing that.

19 JACK GROB: Okay, very good. And you
20 said you had some things for me.

21 MARTY VIRGILIO: Yeah, a couple of
22 things. I got, I got a call from somebody that I
23 think is rather credible with respect -- and I'd
24 like you to pass this on to the Reactor Safety Team
25 -- that one reason that they, we may be seeing the

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1 buildup of pressure in the reactor building could be
2 the lifting of the flange whenever the dry well
3 pressure exceeds 65 pounds. I don't know if the
4 team has considered that, but I would just put that
5 out there.

6 JACK GROB: The lifting of --

7 MARTY VIRGILIO: We had, we had -- this
8 is, whenever the dry well pressure -- look at the
9 diagram or think about the diagram of that design.
10 We've got a plug at the top of the containment.

11 JACK GROB: Okay.

12 MARTY VIRGILIO: And I was operating
13 under the assumption that, you know, venting through
14 standby gas treatment system without the system
15 operating could have been part of the reason why you
16 were getting the buildup of hydrogen up in the
17 secondary containment.

18 JACK GROB: Okay.

19 MARTY VIRGILIO: But it might also be
20 that the dry well head, that, that flange there,
21 that bolted flange, lifting when the dry well
22 pressure exceeds the 65 pounds.

23 JACK GROB: I understand.

24 MARTY VIRGILIO: So, just food for
25 thought, not that anything needs to be done with

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1 that but just something to pass on to the Reactor
2 Safety Team for them to consider.

3 JACK GROB: If they have some questions,
4 is that somebody that they can call?


5 MARTY VIRGILIO: Not, not anybody that I
6 would follow up on, but I'd, I'd just leave it
7 there.

8 JACK GROB: Okay. I, I never thought of
9 it. That's an interesting question. We'll look
10 into that. That's an interesting point.

11 MARTY VIRGILIO: Okay.

12 JACK GROB: Anything else?

13 MARTY VIRGILIO: Now, the other thing
14 was when I was leaving I went and I talked to the
15 Reactor Safety Team about -- I'm sorry; the
16 Protective Measures Team about, and the Reactor
17 Safety Team, both -- but it really was the Reactor
18 Safety Team. And what, what the Chairman asked us
19 to do was provide additional information, the
20 background information that we had given the
21 Chairman to support his discussion on the accident
22 progression.

23 And what we had done is, Laura Dudes had
24 that one-page sheet of bullets and then she had
25 copied a page from the SORCA analysis. 

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[REDACTED]
[REDACTED]

JACK GROB: Yeah, that's in process.

MARTY VIRGILIO: Yeah, I just want to
make sure you have his email address. [REDACTED]

[REDACTED]

JACK GROB: Okay. They, they've been in
contact with him, so I'm pretty sure they have this,
but now I have it and I'll make sure they've got it.

MARTY VIRGILIO: Okay. The last thing
that the Chairman asked -- I'm still going through
these emails -- is that, that we have the Liaison
Team reach out to the Army Corps of Engineers --

(Off-mic conversation.)

JACK GROB: Okay.

MARTY VIRGILIO: There's a [REDACTED]
[REDACTED], and I'll give you his phone number. It's
[REDACTED]

JACK GROB: Is that [REDACTED] as in the
common name [REDACTED]?

MARTY VIRGILIO: Yes, common name [REDACTED].

JACK GROB: And what's the focus for
this?

MARTY VIRGILIO: They were trying to see
if there was anything they could do to help --

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1 JACK GROB: Okay.

2 MARTY VIRGILIO: -- with respect to the,
3 our response to the nuclear accident.

4 JACK GROB: Okay.

5 MARTY VIRGILIO: And just add [REDACTED] to the
6 list of people to interact with to see if they have
7 anything that they can do to support us or the
8 Japanese government.

9 JACK GROB: Okay. Will do.

10 MARTY VIRGILIO: That's it for us for
11 right now.

12 BILL: Hey, Marty, before you hang up,
13 just in case you have the answer, the charter for
14 the team --

15 MARTY VIRGILIO: Yes.

16 BILL: Where is that? What's the status
17 of that? It was --

18 MARTY VIRGILIO: Okay, I, I had marked
19 up and given it to Josh. Josh marked it up even
20 further, consistent with the direction we were
21 going, and we give it back to Nader. I handed it to
22 Nader and Nader have it. He has the electronic
23 version and he was making the changes.

24 JACK GROB: I, I just heard a minute ago
25 that it had been affirmed by the Chairman, and I was

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1 under the impression that it was going to be shortly
2 issued to Casto.

3 Bill, you're going to sign that out to
4 Casto? Is that the deal.

5 BILL: No, I haven't -- that's what I'm
6 asking.

7 MARTY VIRGILIO: No. I, I haven't seen
8 it come back from Nader --

9 MJ: -- copied it or seen it something,
10 so.

11 JACK GROB: Do I have to sign it, or?

12 MARTY VIRGILIO: No. There was no
13 signature block for you. It was just a one-page
14 paper. It's a piece of paper that laid out what the
15 objectives and activities that we expected Chuck and
16 the team to accomplish.

17 JACK GROB: Okay. We'll, we'll check
18 into just administratively how, how to handle that.

19 MARTY VIRGILIO: Yeah. And I, you know,
20 Bill and I had talked earlier today. I don't even
21 know it needs to be signed. But we need to hand it
22 to Chuck so that he knows that this, this is the
23 marching orders.

24 JACK GROB: Chuck's in the car on the
25 way to the airport.

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1 MALE PARTICIPANT: I'm just going to
2 email that.

3 JACK GROB: Okay. Anything else?
4 Marty, anything else?

5 MARTY VIRGILIO: Not from my end, but
6 I'll be here a little while longer if you need
7 anything.

8 JACK GROB: Okay, very good. Thank you.

9 MARTY VIRGILIO: Okay, thank you guys.

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(CONFERENCE CALL INITIATED.)

4:11:02/4:13:44

JACK GROB: Yeah, this is Jack Grob.

I'm leading the Executive Team in the ops center at the NRC right now, and I've got Bill Borchardt here as well.

MIKE DUDEK: Good evening, gentlemen. I just wanted to give you a quick update. We, we've have a confirmed the flight confirmed the flight for Mr. Casto. He'll be leaving Atlanta at 8:05 p.m. this evening, and he'll be arriving in, in, in Japan at 1:30 p.m. on Wednesday. It was the most expeditious flight, direct flight that we can find to him. And also, a car will pick him up, directly up from the airport and taken to the embassy.

JACK GROB: Okay.

MIKE DUDEK: He will be staying at Hotel [REDACTED] in, in Japan. He'll be staying with the rest of the USARC teams.

JACK GROB: Okay. And do you have departures and arrivals for the remainder of the team?

MIKE DUDEK: We're working on that now. All indications are going to be that they're going to be flying on a --

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1 JASON KOZEL: An 11:15 flight tonight
2 out of DC.

3 MIKE DUDEK: An 11:15 flight tonight out
4 of Dulles.

5 JACK GROB: That, that's the folks out
6 of Headquarters. What about the Region I and TTC
7 folks?

8 MIKE DUDEK: We're working on that right
9 now. We're working on that right now, sir.

10 JASON KOZEL: We're working on that
11 right now, sir.

12 JACK GROB: Okay. And the 11:15 p.m., I
13 assume, arrives on Wednesday afternoon.

14 MIKE DUDEK: Yes.

15 JASON KOZEL: Yes.

16 JACK GROB: Okay. Eliot Brenner's
17 working on a press release to, to notify the public
18 of this change in response that we have, so he'll
19 need some of these details. If you could make sure
20 you connect with him, he just walked in the room
21 here.

22 ELIOT BRENNER: You took my name in vain
23 and I heard it all the way out there.

24 JACK GROB: Casto's going to arrive at
25 1:30 in the afternoon on Wednesday and then be

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1 transported to the embassy. And the rest of the
2 folks from here will be arriving later in the
3 afternoon on Wednesday. And they're still working
4 on the TTC flights and the Region I flight. Do you
5 have an email address that they can send this to
6 directly on?

7 ELIOT BRENNER: Yeah. Yeah.

8 It's Eliot.Brenner@NRC.gov.

9 MIKE DUDEK: Yes, as soon as we get, we
10 confirm all this information, we'll send it out to
11 everyone.

12 ELIOT BRENNER: Great.

13 MIKE DUDEK: We're still working on
14 contacting information. We've got, we're getting
15 bogged down. We've got to call each person
16 individually. We've got to get some banking
17 information and Social Security numbers, so it's,
18 personal phone calls. We didn't want to send around
19 an email.

20 ELIOT BRENNER: Okay, sounds good.

21 JACK GROB: Thanks, Mike.

22 MIKE DUDEK: All right. Thank you,
23 gentlemen.

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(CONFERENCE CALL INITIATED.)

4:13:52/4:15:24

MARTY VIRGILIO: Jack, it's Marty.

JACK GROB: Hey, Marty. How are you
doing?

MARTY VIRGILIO: All right. I just got
off a call with NEI.

JACK GROB: Yeah.

MARTY VIRGILIO: And I just wanted to
share one thing that you may be aware of but I
wasn't when I left. There's some speculation that
is a crack in the torus of Unit 2.

JACK GROB: It's interesting that you
say that because we're just getting information,
there was a hydrogen blast on Unit 2, and Trapp's on
the phone in the other, other room, and they believe
the torus is damaged.

MARTY VIRGILIO: Okay, good, so it's --

JACK GROB: And the other thing that ---
the wind has actually shifted and it's now blowing
out of the northeast. And so any releases would be
going inland towards the southwest.

MARTY VIRGILIO: Yep.

JACK GROB: The projections on releases
with the containment intact are completely

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1 insignificant.

2 Now --

3 MARTY VIRGILIO: Right.

4 JACK GROB: -- I mean, this is beginning
5 to feel like an emergency drill where everything
6 goes wrong and you can't, you know, you can't
7 imagine how these things, all of them, can go wrong.

8 MARTY VIRGILIO: Yeah.

9 JACK GROB: But we're trying to get a
10 sense of -- the children just walked in.

11 MARTY VIRGILIO: Okay.

12 JACK GROB: We're trying to get a sense
13 of what this means right now.

14 MARTY VIRGILIO: Okay, I won't distract
15 you. I just wanted to make sure you have the same
16 information I'm picking up.

17 JACK GROB: Yep. Okay, thank you.

18 MARTY VIRGILIO: All right. Call me if
19 you need me.

20 JACK GROB: Okay.

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1 (CONFERENCE CALL INITIATED.)

2 4:15:31/4:17:35

3 JACK GROB: We're getting new
4 information both the Japanese through these
5 conferences but we're also getting new information
6 as of 10 minutes ago from a United States aircraft
7 carrier that's in Tokyo Bay.

8 JASON KOZEL: Okay.

9 JACK GROB: And we're trying to
10 understand that information and interpret it, and I
11 don't have a good answer for you right now.

12 JASON KOZEL: Okay.

13 JACK GROB: Based on the information we
14 have currently, the protective action
15 recommendations that the Japanese government issued,
16 which was evacuate 20 kilometers, seemed reasonable.
17 The, but like I said, this issue, this situation is
18 evolving. And I, I would stay in reasonably close
19 contact with us. You know, call back in an hour or
20 an hour and a half and we should have some
21 additional information. If something significant
22 happens, we'll give you a holler.

23 JASON KOZEL: Okay, that's great. And
24 that, I think that will be fine for the
25 administrator. And I would say right now we really

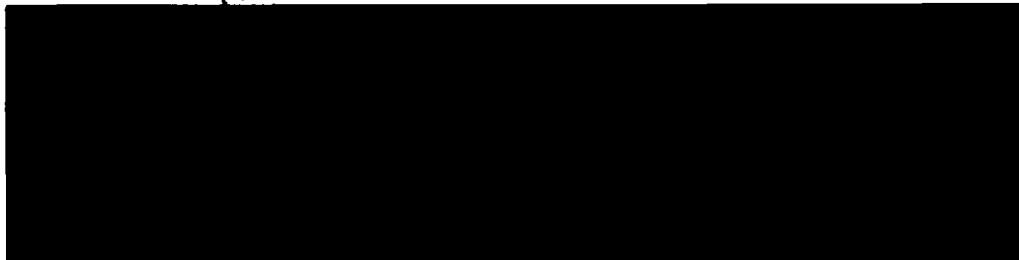
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1 don't have any speculation on what actually
2 happened.



7 JASON KOZEL: Yeah, that's fine. And I,
8 I can make that point. It's just, it would be
9 counterproductive at this point.

10 JACK GROB: Right.

11 JASON KOZEL: Okay. I think that'll do
12 it. I'll go back and brief the administrator. If I
13 have any take backs from that, I'll give you a call
14 back.

15 JACK GROB: Thank you very much.

16 JASON KOZEL: Good. And you'll hear
17 back from either me or Chuck Teel (phon) to you
18 within the hour.

19 JACK GROB: Okay. Thanks.

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(CONFERENCE CALL INITIATED.)

4:18:14/4:23:29

CHAIRMAN JACZKO: Jim?

JIM TRAPP: Yes?

CHAIRMAN JACZKO: All right, this is
Greg Jaczko. I'm here with MJ and Jack Grob.

JIM TRAPP: Oh, okay. Hey, we have a --

CHAIRMAN JACZKO: Do you have any
updated information for us?

JIM TRAPP: Yeah. Now this is another
subject, but I think this takes precedence over the
issue of the reactor at the moment.

CHAIRMAN JACZKO: Yep.

JIM TRAPP: What we have going on is an
admiral who has a Navy base at Yokosuka -- its
spelling is Y-O-K-O-S-U-K-A -- believes that he has
measured with instrumentation TEDE, he's estimating
a TEDE of 1.5 millirem per hour.

CHAIRMAN JACZKO: Okay.

JIM TRAPP: He believes he has, thyroid
doses of 10 millirem per hour.

CHAIRMAN JACZKO: Okay.

JIM TRAPP: And I believe a contaminant,
microcuries, levels of $7e^{-9}$ --

MALE PARTICIPANT: That's what I got.

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1 JIM TRAPP: -- for contamination levels.

2 CHAIRMAN JACZKO: Okay.

3 JIM TRAPP: This location is
4 approximately 188 miles from the site.

5 CHAIRMAN JACZKO: Okay.

6 [REDACTED]

7 [REDACTED]

8 [REDACTED]

9 [REDACTED]

10 [REDACTED]

11 [REDACTED]

12 [REDACTED]

13 [REDACTED]

14 [REDACTED]

15 [REDACTED]

16 [REDACTED]

17 [REDACTED]

18 CHAIRMAN JACZKO: Do we know the source

19 of the data?

20 JIM TRAPP: It's direct measurements,

21 and he believes that he's confirmed them on multiple

22 instruments, and he believes it's due to a wind

23 shift. You know, we did have a wind shift to the

24 south-southwest recently, and he believes that the

25 plume coming out of the plant, then, would be

1 causing this. He believes the wind will shift back
2 out to sea in about 10 hours, which would give you a
3 total dose of, he believes, about 10 millirem before
4 the wind shift.

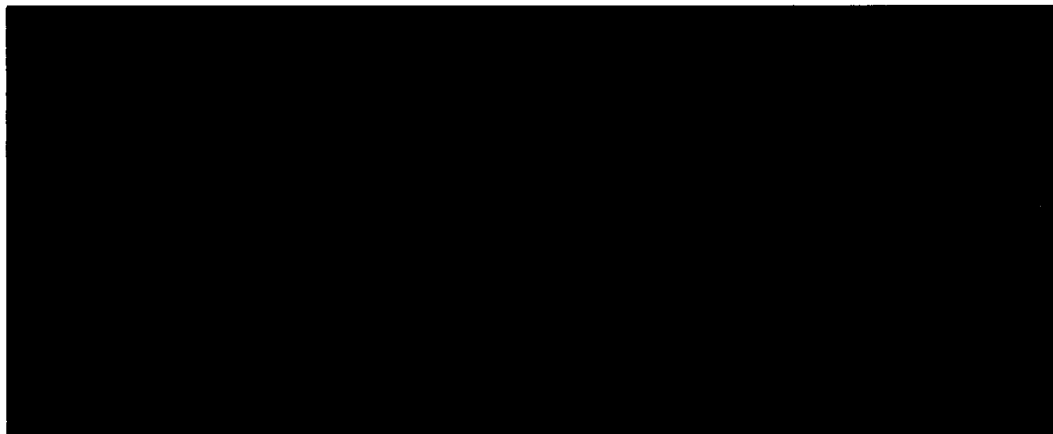
5 CHAIRMAN JACZKO: Okay, and is that it
6 is a dose --

7 JIM TRAPP: And he's just integrating,
8 you know, 10 hours times the 1.5, which is, but
9 basically that's what he's doing.

10 CHAIRMAN JACZKO: Yes.

11 JIM TRAPP: But, but the, you know, the
12 problem is that Tokyo and a lot of other big
13 population areas are in the intersection between the
14 plants and this base.

15 CHAIRMAN JACZKO: Jim, I think that the
16 interesting question for me -- if I go back to the
17 statements I've made, I have encouraged people to
18 follow the protective action recommendations of the
19 Japanese government.



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JIM TRAPP: I think that would be very
valuable information for him.

CHAIRMAN JACZKO: Okay. What's the time
in which we think we can get that done?

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1 JIM TRAPP: The admiral believes that
2 we're talking in the two-hour timeframe. He's
3 taking it to --

4 CHAIRMAN JACZKO: I mean, I'm sorry,
5 Jim. That's a question I was asking here.

6 JIM TRAPP: Oh, I'm sorry.

7 CHAIRMAN JACZKO: How long do you think
8 we can have an answer to that question?

9 JIM TRAPP: Our backstop is probably two
10 hours here.

11 CHAIRMAN JACZKO: Okay. We will, we
12 will work to get you something sooner than that.

13 JIM TRAPP: Very well. Thanks so much.

14 CHAIRMAN JACZKO: Okay.

15 (Extraneous content omitted.)

16 4:22:35

17 MALE PARTICIPANT: -- we have with our
18 modeling. Our modeling is designed to go out to go
19 out to sea. I don't (inaudible) translate that by a
20 factor of four for what model (inaudible).

21 MALE PARTICIPANT: Well, what we're
22 planning is we're running this conservative -- we're
23 saying that this shouldn't be happening.

24 CHAIRMAN JACZKO: Right, because you
25 could have no reactor building at that point.

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1 MALE PARTICIPANT: Right.

2 CHAIRMAN JACZKO: Or something like
3 that.

4 JACK GROB: So they're crunching numbers
5 now. If we have to, we'll get in contact with DOE
6 and see what they can do.

7 CHAIRMAN JACZKO: Right. Let's do that
8 right now.

9 JACK GROB: What we've done is we've
10 pushed the extent on what our model can do.

11 CHAIRMAN JACZKO: Let's, let's contact
12 DOE right now and ask them first if we need to do
13 the modeling.

14 MALE PARTICIPANT: Pam is on her way in.
15 She recommended that you (audio interference). Why
16 don't you to give a shout out to Joe and see if
17 maybe --

18 CHAIRMAN JACZKO: Okay. We can do
19 that.

20 (Extraneous/inaudible content omitted.)
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(CONFERENCE CALL INITIATED.)

4:23:45/4:29:44

JACK GROB: Hey, Jim?

JIM TRAPP: Yes?

JACK GROB: You know, we got some information from an admiral at a Navy base just a little bit south of Tokyo.

JIM TRAPP: Yes.

JACK GROB: And that information is troubling to us because it indicates because substantive detectable radiation at his base.

JIM TRAPP: Correct. I just provided this information.

JACK GROB: Right. And, and we don't understand that, and we were wondering if it's possible to contact either that admiral, admiral, or somebody on his staff who would be knowledgeable of these measurements, how they were made, and what confidence they have in them.

JIM TRAPP: Yeah, absolutely, and I think the plan on that issue is going to be to put some sort of a conference call together that would give you the ability to, to check the validity of the data.

JACK GROB: And, and how can we do that?

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JACK GROB: Okay, so do you expect that
that will be happening in the next 30 minutes or so?

8

JIM TRAPP: I, I don't know about the
next three minutes, but --

10

JACK GROB: I said 30. Thirty.

11

JIM TRAPP: Oh, absolutely. It'll be
done in 30 minutes.

13

JACK GROB: Okay, and can you make sure
that we're plugged into that?

15

JIM TRAPP: Oh, you're an essential part
of this.

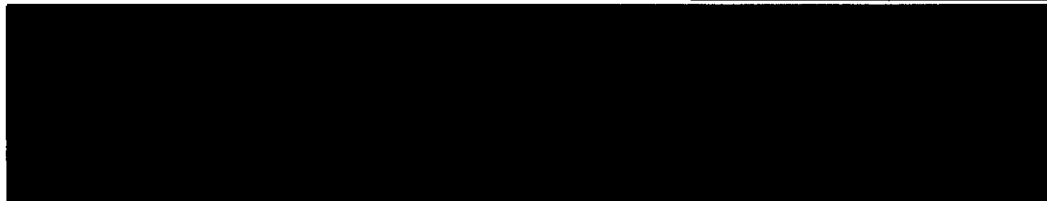
17

JACK GROB: Okay.

18

JIM TRAPP: I think he's really looking
for you guys for a recommendation.

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JACK GROB: The dose rates at his
location are fairly low, but what's very confusing,
as I'm sure you can imagine, is that the wind shift

24

25

1 was not long enough ago to actually carry stuff his
2 way. He's 180 miles from the site.

3 JIM TRAPP: I agree.

4 JACK GROB: And so there's some
5 fundamental issues here with respect to -- I, I
6 always like to believe my indications.

7 JIM TRAPP: Yes.

8 JACK GROB: And I'm struggling a little
9 bit here.

10 JIM TRAPP: Yeah, as am I.

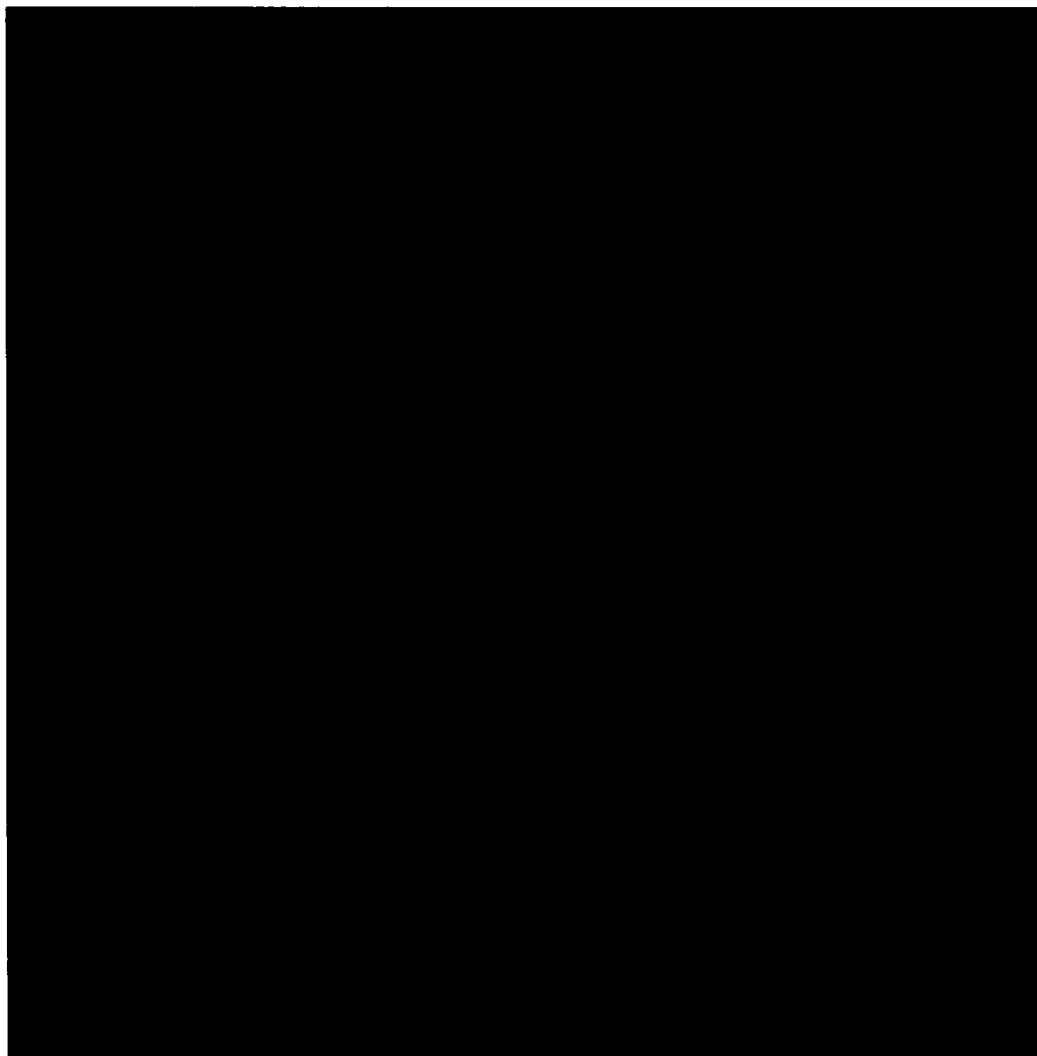
11 JACK GROB: Is there anything that you
12 can do, that you can think of doing, to give us
13 additional data to either confirm or deny what we're
14 seeing at this Navy base? And can we get field
15 measurements more real-time from the Japanese?

16 JIM TRAPP: I, I, I don't know the
17 answer to that.

18 JACK GROB: Okay. Can you, can you push
19 a little bit?

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JACK GROB: Okay.

JIM TRAPP: And at that point, you
certainly are going to have a chance to challenge
the validity of the data that's being taken at the
base.

JACK GROB: Okay.

(Off-mic conversation.)

JACK GROB: Okay. Thanks, Jim.

JIM TRAPP: Yeah, and I apologize. It's
just, we're being pulled in lots of directions.

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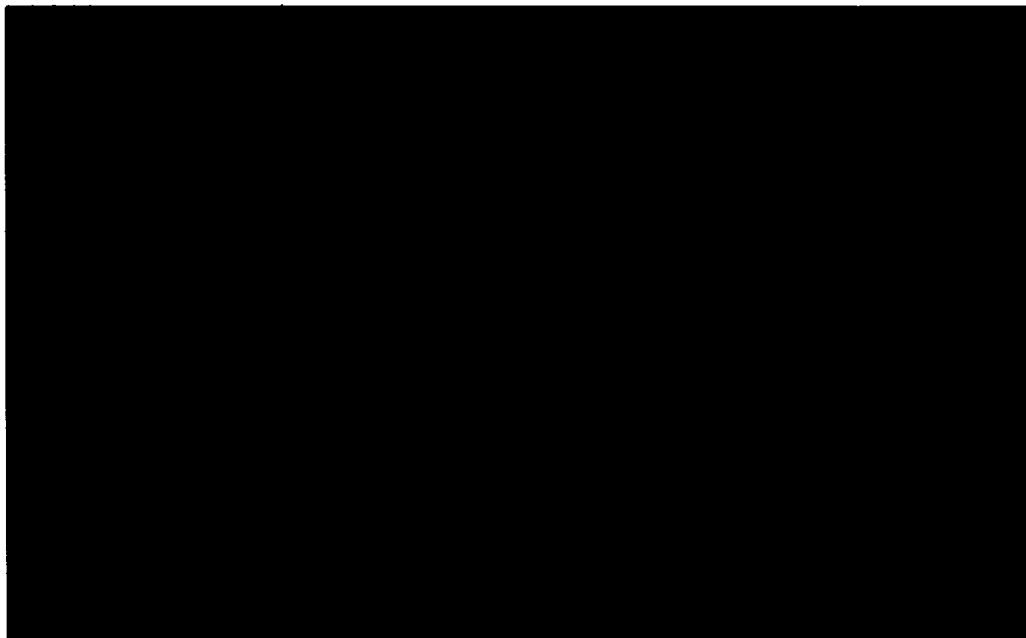
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1 JACK GROB: I can understand that.

2 JIM TRAPP: And if possible, if I could
3 be -- I don't if Bill Ruland's there with the
4 Reactor Safety Team.

5 BILL RULAND: Yes.



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15 The latest explosion appears not to have
16 been a hydrogen explosion. It appears to be some
17 sort of explosion, either a hydrogen explosion in
18 the primary containment building or, you know, my
19 worst fear has been that we, we finally got the
20 steam explosion. And they do believe they've
21 breached the primary containment. And certainly, we
22 would need a lot of details.

23 BILL RULAND: And, and leverage that as
24 hard as you can to get --

25 JIM TRAPP: Absolutely.

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1 BILL RULAND: To get real-time
2 information. The paucity of information is just
3 unacceptable.

4 JIM TRAPP: Now here's, the other issue
5 would be is we're going to see if they would be
6 willing to tap in the Headquarters ops center on the
7 call. Now, the only thing that might be a little
8 bit difficult is I think the briefing is probably
9 going to be in Japanese and we've going to have an
10 interpreter, and I'm not sure how well that will
11 work, but, you know, we're going to do our best to
12 -- I'd like the Reactor Safety Team to also provide
13 an independent assessment.

14 BILL RULAND: Yeah.

15 JIM TRAPP: And we can reach a common
16 conclusion.

17 BILL RULAND: We don't have anybody that
18 speaks Japanese here. That, that's not going to
19 help.

20 JIM TRAPP: What I'm saying is our
21 interpreter, if she's near the phone, she might be
22 able to interpret for you and us at the same time.

23 BILL RULAND: Well, if you think that
24 can happen, then it might be helpful for us to
25 participate. But we're, we're, to a large extent,

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1 in the dark here. Okay?

2 JIM TRAPP: Okay.

3 BILL RULAND: So, if you want to tap us
4 in, go ahead and do it through the ops center and go
5 directly to the Reactor Safety Team. Okay?

6 JIM TRAPP: Okay.

7 BILL RULAND: Thanks.

8 JIM TRAPP: Yep.

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(CONFERENCE CALL INITIATED.)

4:30:47/4:40:48

JACK GROB: Okay, guys, I apologize for bothering you, but things are degenerating quickly. This reminds me of the drill.

The Unit 2 reactor had some sort of a pressure differential situation. I don't know if it was a hydrogen explosion or a steam explosion or what happened, but it appears to have breached the torus. The torus pressure went up from three atmospheres to one atmosphere, so essentially, the torus isn't retaining pressure.

So that's interesting and troubling, but what's really troubling is that we, we have had that wind shift -- the Chairman's here, by the way -- we've had that wind shift and the wind is out of the northeast blowing towards the southwest. That's inland and towards Tokyo.

And there's an aircraft carrier in the port just south of Tokyo. It's about 180 miles from the site, about 10 miles southwest of Tokyo, and they're measuring on the order of 10 to 20 millirem over a 12-hour period total effective dose and roughly five to 10 times that, thyroid. And we're trying to get the admiral, you know, somebody from

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1 that base to confirm an understands the
2 measurements.

3 [REDACTED]
4 [REDACTED]
5 [REDACTED]
6 [REDACTED]
7 [REDACTED]
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 But I felt I needed to get you guys
21 plugged into this. I gave a call out to Amy (phon).
22 She's on her way in as an ETA protective measures
23 member, and we're bolstering the Protective Measures
24 Team. (Inaudible) team is supposed to come in at
25 11. He's now on his way in, and we're looking for

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1 similar distance, similar situation in the US, what,
2 what we would be recommending to a governor under
3 that circumstance and have that in our hip pocket.
4 But we can't really volunteer that until we get
5 asked under the current protocol.

6 JACK GROB: The, the, Jim indicated that
7 there, the Navy has precipitated some action to pull
8 together a, a, a briefing that's going to happen out
9 of the White House where we'll be invited to
10 participate and give perspectives on what, what
11 should be done.

12 CHAIRMAN JACZKO: Hey, Jack, can we --
13 hey, Bill, this is Greg Jaczko. Can we, can we get
14 on that right away, the issue of having, taking this
15 data and getting an understanding of what we would
16 recommend for a PAG and see if any, if any folks are
17 --

18 JACK GROB: They're, they're working on
19 right now.

20 CHAIRMAN JACZKO: Good.

21 BILL BORCHARDT: Yeah, you know, and I
22 wouldn't hesitate to call, you know, a utility like
23 Exelon and have them do a double-check, you know,
24 give, pull them in, give them the same information
25 and say, have them do an independent assessment, see

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1 what they'd come up with and see what we come up
2 with as a, as a cross-check and the data.

3 JACK GROB: Yeah, even having one of our
4 regional offices do it. Region IV might -- oh,
5 they've gone home by now. But yeah, that's a good
6 idea.

7 MARTY VIRGILIO: Jack, if you want to do
8 that, I would suggest that Chip Pardee would be a
9 very good point of contact. He's been brought up
10 here to support NEI and provide the utility
11 perspectives.

12 JACK GROB: Okay.

13 MARTY VIRGILIO: And I'm sure that Chip
14 can get you to the right people to conduct that
15 analysis.

16 JACK GROB: Okay.

17 CHAIRMAN JACZKO: Okay, that's good.
18 We'll take that and, we'll take that into that as
19 well.

20 JACK GROB: So you said he's at NEI?

21 MARTY VIRGILIO: He -- when I talked to
22 Tony today, it was my understanding that he's up
23 there in the Washington metropolitan area and he's
24 been working the, working the congressional
25 briefings with Tony.

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1 CHAIRMAN JACZKO: Jack, let's just have
2 somebody get -- we'll get, we'll follow your
3 suggestion and we'll get somebody.

4 We need somebody here who can get Chip
5 Pardee for us.

6 Okay. Any other stuff?

7 MARTY VIRGILIO: All right, and if you
8 can't get to Chip, you know you can get to Tony and
9 then Tony can get to Chip.

10 BILL BORCHARDT: Or, and Exelon's got an
11 ops center themselves; right?

12 JACK GROB: Right.

13 MARTY VIRGILIO: But you can get to him
14 through Exelon.

15 JACK GROB: Yep. Okay.

16 MIKE WEBER: Hey, this is Mike Weber.
17 Is that PMT kind of doing a corroborative analysis
18 of whether those kind of dose rates would be
19 consistent with what might have been released?

20 JACK GROB: The, the answer is the dose
21 rates don't seem to be consistent either with what
22 would be released or with the timing that it would
23 take for a plume to get 180 miles away from the site
24 to the southwest.

25 MIKE WEBER: Yeah, well, that's what

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1 struck me when you told us what's going on.

2 JACK GROB: Yet, but the, the feedback
3 through Trapp from the admiral is that they used
4 multiple instruments and confirmed this in multiple
5 ways, [REDACTED] [REDACTED]

6 [REDACTED]
7 MIKE WEBER: Wow.

8 JACK GROB: They do operate
9 nuclear-powered aircraft carriers, so they must have
10 a level of competence that's fairly decent. [REDACTED]

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

18 CHAIRMAN JACZKO: We -- yes, we should
19 be. We were going to confirm with the PMT team that
20 they were going to reach out to DOE as well.

21 Is that confirmed?

22 JACK GROB: They were on the phone with
23 DOE when I was back there 10 minutes ago.
24 They're having DOE re-do some dose analyses to get,
25 get a sense of what this means closer into the

1 plant.

2 MIKE WEBER: I'm also thinking about the

3 [REDACTED]

4 JACK GROB: You're saying our [REDACTED]?

5 MIKE WEBER: No, no, the [REDACTED]

6 [REDACTED].

7 JACK GROB: Oh, oh, oh. We have, I have
8 not thought about that.

9 MIKE WEBER: [REDACTED]

10 [REDACTED]

11 [REDACTED]

12 CHAIRMAN JACZKO: Interesting.

13 Okay, we'll get, get the -- Jack, you'll
14 get the Liaison Team going on that?

15 JACK GROB: Yep.

16 CHAIRMAN JACZKO: Okay.

17 JACK GROB: Any other thoughts?

18 (No response.)

19 JACK GROB: Okay, listen. I apologize
20 for bothering you. I really appreciate the help.

21 BILL BORCHARDT: Yeah, no problem. And
22 Jack, if you get into an overload, let us know. We
23 can, somebody can come in.

24 MARTY VIRGILIO: Yeah, one or all of us
25 can come in. That's not a problem. We're all close

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1 by.

2 CHAIRMAN JACZKO: Bill, I'm going to do
3 that right now. I'm going to, once again, think
4 about longer-term staffing for this, but can we get
5 one of the three of you in now?

6 MIKE WEBER: Yeah.

7 BILL BORCHARDT: Yeah.

8 MARTY VIRGILIO: Sure. I'm close. Do
9 you want me to do it? I'm within a couple miles.

10 BILL BORCHARDT: Okay. Yeah, if you can
11 do it, Marty.

12 MARTY VIRGILIO: Yeah, I can be there in
13 about 15, 20 minutes.

14 CHAIRMAN JACZKO: Okay. Good.

15 MARTY VIRGILIO: See you then.

16 CHAIRMAN JACZKO: Okay.

17 BILL BORCHARDT: Do you need anything
18 else from us?

19 CHAIRMAN JACZKO: I don't think so.

20 Thank you.

21

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1 (CONFERENCE CALL INITIATED.)

2 4:40:53/4:43:43

3 JACK GROB: Hey, Chip?

4 CHIP PARDEE: Yeah. Hey, good evening.

5 JACK GROB: Chip, this is Jack Grob.

6 Chairman Zaczko's here with me and several other
7 people.

8 We're getting some information that,
9 that is very limited as far as, as the actual data
10 goes but it's, but it's somewhat troubling as well.

11 We're getting information from a Navy base about
12 190 miles from the site where there's been fuel
13 damage that indicates that at that Navy base they're
14 getting on the order of 20 mrem whole body TEDE and
15 120 mrem thyroid in 12-hour time. And if that's
16 true, we're running calculations to try to
17 understand what the doses might be closer in to the
18 site if in fact that data is true.

19 If it seems to us that the doses are
20 very substantial close to the site and, and we're
21 asking ourselves what an appropriate protective
22 action recommendation might be if in fact that,
23 those numbers are true.

24 CHIP PARDEE: Let me, let me make sure I
25 heard the numbers right again, Jack. This was 120

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1 miles away?

2 JACK GROB: A hundred and eighty miles
3 away.

4 CHIP PARDEE: One hundred and eighty.
5 I'm afraid I'm traveling without a pan. But, okay,
6 180 miles away, 22.0 mrem TEDI in a one- to 12-hour
7 time period.

8 JACK GROB: Yes. And a 120 mrem thyroid
9 in a 12-hour time period.

10 CHIP PARDEE: Okay.

11 JACK GROB: The, we were wondering if we
12 might impose on you to help us do some independent
13 calcs.

14 CHIP PARDEE: Sure.

15 JACK GROB: Our folks, our dose
16 assessors are running numbers and we were hoping to
17 be able to get some independent evaluation of these
18 kinds of numbers.

19 [REDACTED]
20 [REDACTED]
21 [REDACTED]
22 [REDACTED] and we were

23 wondering if we might be able to get in contact with
24 some of your protective measures folks and connect
25 them with our protective measures folks and run some

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1 independent calcs.

2 CHIP PARDEE: Okay, and what is the best
3 way to establish that? Should I have my folks call
4 the ops center?

5 JACK GROB: That's correct.

6 CHIP PARDEE: 816-5100, I think it was.

7 JACK GROB: Yes. That's correct.

8 CHIP PARDEE: Okay.

9 FEMALE PARTICIPANT: And request to go
10 to the PMT. They can send it straight into the PMT.

11 CHIP PARDEE: The PMT.

12 JACK GROB: Protective Measures Team.

13 CHIP PARDEE: Okay. I will, I will get
14 on that, and I'll try to have someone call you as
15 soon as I can get a hold of them.

16 JACK GROB: Appreciate it. Thanks very
17 much.

18 CHIP PARDEE: Bye now.

19

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1 (CONFERENCE CALL INITIATED.)

2 4:44:00/4:45:31

3 CHIP PARDEE: Hey, Jack?

4 JACK GROB: Yeah, Chip.

5 CHIP PARDEE: Hey, I have gotten a hold
6 of our EP people, and they are rousting out the, the
7 assessors, the dose assessors. So I would expect
8 that your PMT will get a call in the next 10 or 15
9 minutes or so.

10 We haven't actually found the right guy
11 yet. We're just starting. But, I, you know, we
12 have a couple names and we'll get one of them, and
13 they'll be in contact with you in, in recently short
14 order here.

15 CHAIRMAN JACZKO: Hey, Chip, this is
16 Greg Jaczko.

17 CHIP PARDEE: Hi, Greg.

18 CHAIRMAN JACZKO: For reasons I can't
19 really go into right now, this is a time-sensitive
20 analysis. We want your best accurate information,
21 but as timely as you could give us some information.

22 CHIP PARDEE: Okay. I understand that,
23 and my only qualifier to that, Chairman, would be,
24 we may have to run the guy to a place where he can,
25 he can access the correct computer program.

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1 CHAIRMAN JACZKO: Absolutely. No, do
2 the best you can. I, I just wanted you to know
3 that. And again, we appreciate your giving us kind
4 of this double-check, if you will --

5 CHIP PARDEE: No problem.

6 CHAIRMAN JACZKO: -- this, another set
7 of eyes.

8 CHIP PARDEE: No, that's what we're here
9 for, so if you guys need anything, just call.

10 CHAIRMAN JACZKO: Appreciate it.

11 CHIP PARDEE: And I'll get closure as
12 well, so I'll keep up on this until I'm satisfied
13 that you've got the people you need.

14 CHAIRMAN JACZKO: Thanks a lot, Chip.

15 CHIP PARDEE: All right. Goodbye.

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(CONFERENCE CALL INITIATED.)

4:45:40/4:46:35

(Extraneous conference call omitted.)

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1 (CONFERENCE CALL INITIATED.)

2 4:46:55/4:55:42

3 JACK GROB: Hello, Jim. Jim, can you
4 hear me?

5 JIM TRAPP: Yes, I can.

6 JACK GROB: This is Jack Grob. You've
7 got Stan Bowman (phon) and Margie Doane and Chris
8 Miller and MJ and six or seven, 800 more people
9 here.

10 JIM TRAPP: We'll need the mall, Jack.

11 TONY ULSES: Hey, Jack, this is Tony.
12 I'm here too.

13 JACK GROB: Oh, lovely.

14 TONEY ULSES: Yeah, it's Tony and Jim.

15 JIM TRAPP: Hey, Jack, we're probably
16 under some kind of time constraints here from
17 Protective Measures support, so we just want to kind
18 of give you the bottom line.

19 JACK GROB: Yes?

20 JIM TRAPP: And the bottom line is Unit
21 1, they believe they have stable core cooling at
22 this point. No indication of any spent fuel level
23 issues, fuel pool issues.

24 Unit 2 -- lots of problems. They do not
25 have stable core cooling. In fact, they haven't had

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TONY ULSES: Yeah, there was some
confusing information about that, but I think the
bottom line is they're not comfortable that they
have containment for Unit 2.

JIM TRAPP: So they didn't tell us it's
their X vessel, but what they did tell us kind of
would lead you to that conclusion.

JACK GROB: Okay, so if I understand
correctly, that's your judgment based on what you've
heard.

JIM TRAPP: That, that's correct. We
were talking, we finally got to talk to somebody,
you know, with, with kind of qualifications
equivalent to what we got. And, you know, so he
wasn't high in the food chain, so I think he was a
little bit reluctant to make conclusions. But when
we would say things, you know, we would say, 'That
sounds like it could be this,' he said, you know, he
said, 'Well, I haven't had time to investigate that

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1 yet.' So that was the kind of response. But you
2 could, you know, you could clearly see that he
3 wasn't saying, no, that's not my opinion.

4 TONY ULSES: Yeah, Jack, I think we'd
5 better understand the situation at Unit 2 now
6 technically that they've been under, quite frankly,
7 since the beginning of the situation.

8 What happens, the bottom line is, you
9 know, they lost all AC, so they lost all injection
10 capability and they've been having trouble
11 controlling their SRV. And right now -- I asked
12 them yesterday, what was the vessel pressure? And
13 the guy told me it was at four megapascals, and all
14 they got are fire pumps. And there's no way a fire
15 pump is going to push against four megapascals.

16 JACK GROB: Okay.

17 TONY ULSES: So we're concerned that
18 they've been in the situation on and off really from
19 the beginning and that they've been having trouble
20 getting injection all along. So, very likely,
21 that's also drawing, you know, it's also leading us
22 to this conclusion.

23 JIM TRAPP: So they probably melted a
24 little fuel, got the SRV open, you know, got some
25 injection in, melted some more fuel. That looks

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1 like the scenario. He said it's been erratic.

2 JACK GROB: Hey, guys, when you said "a
3 loud sound", what did you interpret that as?

4 TONY ULSES: It was my, I think both of
5 us believe that one of the sources, that it wouldn't
6 -- it wasn't like the other two loud sounds with
7 Unit 1 and 3 when the reactor building blew.

8 You know, my guess is, and it's just,
9 it's just pure conjecture, would be it was probably
10 when the core went X-up.

11 TONY ULSES: And landing in the water
12 under the vessel, it would have caused a little
13 steam explosion.

14 JACK GROB: That, that's what I heard
15 you say. But what you think is that that was a
16 steam explosion from the fuel going X-vessel, and we
17 heard that containment at that point in time went
18 from three atmospheres to one atmosphere.

19 JIM TRAPP: That makes sense.

20 TONY ULSES: Yep. It would.

21 JACK GROB: And the --

22 JIM TRAPP: The other thing is with the
23 condition of core cooling on Unit 2, if we're wrong,
24 we're not going to be wrong for long.

25 JIM TRAPP: I appreciate your optimism.

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1 TONY ULSES: Yeah, well, I mean -- yeah.
2 If they can't control that safety, they're not
3 going to get any water into that system.

4 JIM TRAPP: And believe it or not, Jack,
5 we're telling you the good news.

6 JACK GROB: Oh.

7 TONY ULSES: Yeah, it gets worse,
8 believe it or not.

9 JACK GROB: Unit 3?

10 JIM TRAPP: Unit 3, they got core
11 cooling and they're too busy to confirm what the
12 level in the pool is.

13 JACK GROB: But you don't have any
14 indication that it's not good?

15 JIM TRAPP: [REDACTED] [REDACTED]
16 [REDACTED]
17 [REDACTED]

18 JACK GROB: Okay. So I'll just say "no
19 info" about the spent fuel pool.

20 (Off-mic conversation.)

21 JIM TRAPP: There's a conference call
22 the White House in 10 minutes.

23 Let us, we'd better rush through it
24 then. The bad news is, Unit 3, we don't really have
25 a lot for you. The only thing that concerns us is

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1 they, they really haven't verified the fuel pool
2 level, and as you recall, that one blew up. And if
3 -- you know, the pictures even from the news cameras
4 -- if you look, there's an awful lot of debris
5 setting up on the fuel pool. Right? The reactor
6 building really collapsed into the fuel pool.

7 JACK GROB: Okay.

8 JIM TRAPP: But let's move on because
9 that's not the worst one.

10 Unit 4, it was in a refueling outage and
11 they believe they had a loud noise. And he kind of
12 said he wasn't sure if the loud noise was Unit 2 or
13 Unit 4 or both. He said he hadn't had a chance to
14 evaluate that data. But what they did tell us is
15 they have a fire, possibly a fire, in Unit 4 spent
16 fuel pool.

17 That's the bad news.

18 JACK GROB: What the senior minister
19 said on TV during a press conference is that the
20 fuel is not burning, that something else is on fire.

21 JIM TRAPP: Well --

22 JACK GROB: But your information is that
23 it's a spent fuel pool, spent fuel fire.

24 JIM TRAPP: It says, I mean, what he
25 said to us was, fire occurring in the spent fuel

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1 pool and they don't have level; average of radiation
2 going up.

3 JACK GROB: Okay.

4 MALE PARTICIPANT: They don't have water
5 level or they don't have indication of water level?

6 JIM TRAPP: They don't have water level.

7 MALE PARTICIPANT: Okay.

8 TONY ULSES: So they don't have water.

9 JIM TRAPP: Correct.

10 TONY ULSES: That's what we interpreted
11 it to mean.

12 JIM TRAPP: Yeah, we were working
13 through an interpreter, but that was the first thing
14 they told us. I don't, you know, I don't think we
15 are just missing the point here. We went over this
16 couple times.

17 JACK GROB: Okay. And we had
18 information of 10 R/hr at the site boundary on Unit
19 4.

20 JIM TRAPP: Yeah, it doesn't surprise
21 me.

22 JACK GROB: That kind of makes sense
23 with what they're seeing down in the Air Force base.

24 JACK GROB: And the, and the people
25 you're talking to are Tepco people?

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1 JIM TRAPP: No, they were --

2 TONY ULSES: No, they were NISA people.

3 JIM TRAPP: There was one NISA guy.

4 There was one engineer from NISA.

5 JACK GROB: Okay. What about Units 5
6 and 6?

7 JIM TRAPP: No known problems, but that
8 was all we got.

9 JACK GROB: And, and is there something
10 unique about Unit 4 that has caused this loss of, of
11 --

12 JIM TRAPP: You know, he said, later in
13 his life, he, he will be very interested to figure
14 out how they lost level because we said, you know,
15 you're in a refueling outage and there's no real
16 issues here; how could you have lost level? And his
17 response was basically, yeah, I will be interested
18 in that looking into that in the future.

19 TONY ULSES: I think he did kind of
20 indicate that he thought it may have been related to
21 the hydrogen explosion in Unit 3, and that was a big
22 boom.

23 JIM TRAPP: So there's a potential that
24 it --

25 TONY ULSES: It could have been

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1 structural damage or something caused by the
2 hydrogen explosion.

3 JACK GROB: Okay.

4 JIM TRAPP: They were enormous.

5 JACK GROB: Okay. Is there any
6 equipment that's getting to them that they're asking
7 for, or that they're asking for and they're not
8 getting equipment? Any feel for that?

9 JIM TRAPP: He wasn't the right level.

10 JACK GROB: Okay.

11 JIM TRAPP: He was the engineer. So, I
12 mean, we certainly told him, you know, America would
13 do whatever we can to support -- the blurb we've
14 been saying, but he wasn't the level to be asking us
15 for resources.

16 JACK GROB: Now I'm, I'm going to be an
17 anal-retentive regulator. Clearly, this is no
18 longer an INE at Level IV.

19 TONY ULSES: Yeah, I think we've gone
20 past that one, Jack.

21 JACK GROB: Yeah, but they haven't
22 reassessed that yet. Is that (inaudible)?

23 JIM TRAPP: It seems like it was pretty
24 breaking news, the Unit 4 thing.

25 JACK GROB: Anything else? Oh, how did

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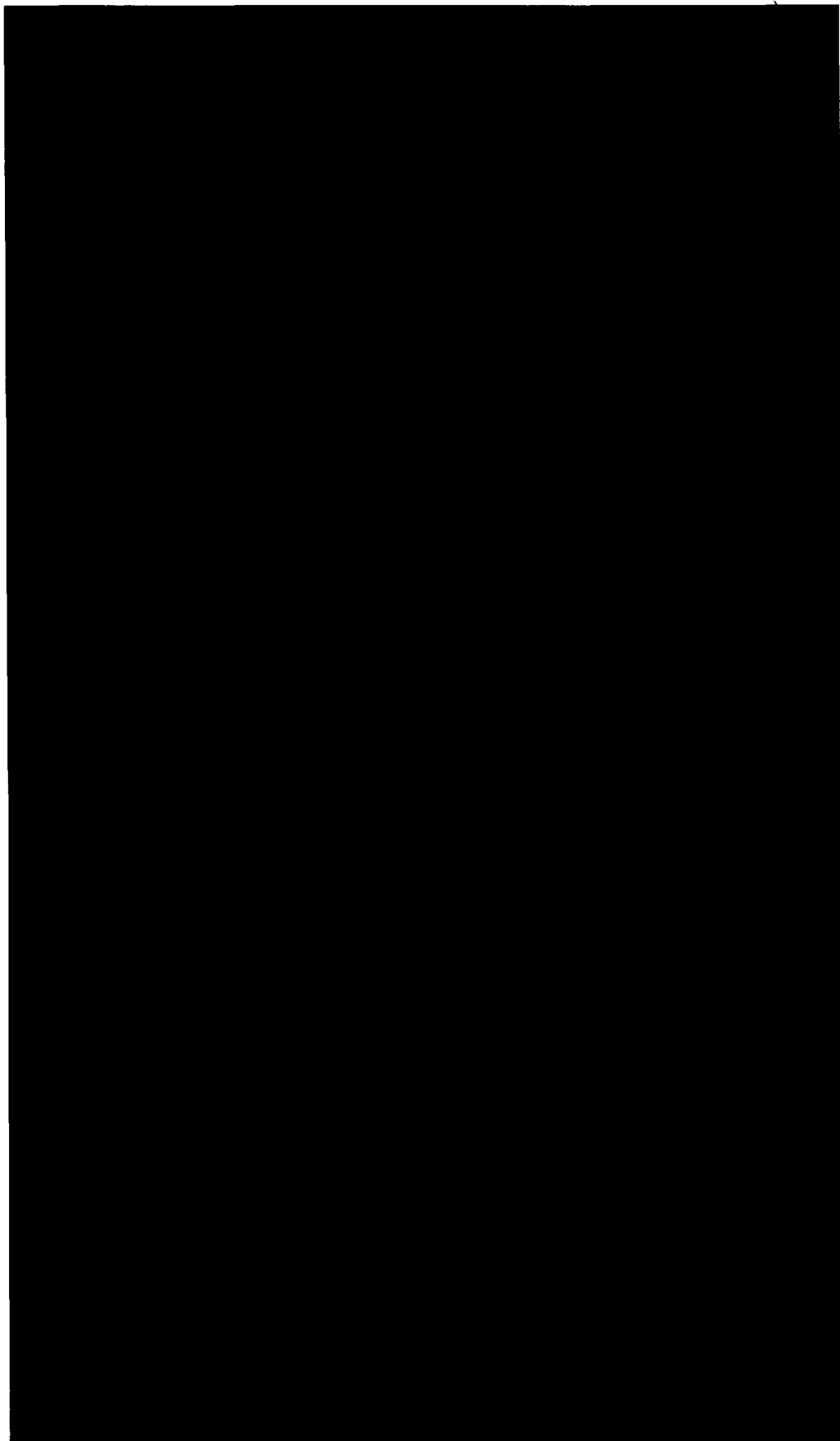
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[REDACTED]

JACK GROB: Okay, just for your information, Casto's in the air. He has been for hours. The other guys from Headquarters are in the air now. The guys from Region I and TTC, I assume, are going to be in the air shortly or they already are. They'll be arriving on --

JIM TRAPP: Something to think about is, you know, I wouldn't -- just, if we don't have people coming, we've got to think about what whether we want them to come.

JACK GROB: Well, they're already coming.

JIM TRAPP: Okay. Then we might want to think about sending them home.

FEMALE PARTICIPANT: Tony, we've got a bag of clothes coming for you too.

TONY ULSES: Yeah, all right. I appreciate that.

JACK GROB: We figured [REDACTED] clothes would be kind of hard to find in Japan.

TONY ULSES: Yeah, so did I. Yeah, okay.

JIM TRAPP: [REDACTED]

[REDACTED]

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1 [REDACTED]
2 TONY ULSES: I mean, we're getting to
3 the point where this is just more bodies to have to
4 get back out of here possibly.

5 JIM TRAPP: But, just, just a thought.

6 JACK GROB: I understand.

7 JIM TRAPP: We've got a go -- I guess,
8 probably the Chairman will also be involved in the
9 White House brief.

10 JACK GROB: Okay. Very good. Thank
11 you.

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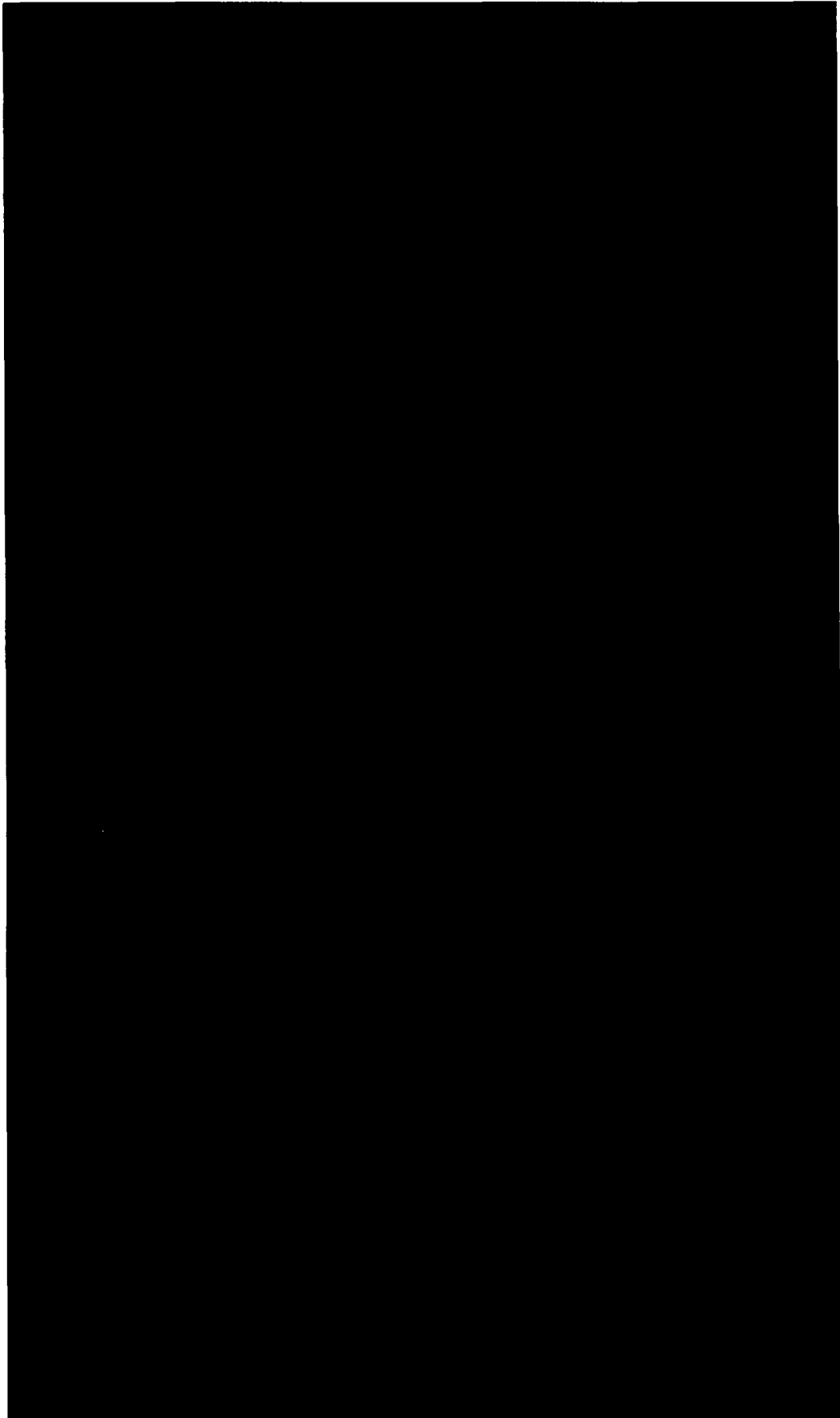
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(CONFERENCE CALL INITIATED.)

5:01:30/5:10:07

JACK GROB: It's been a very interesting evening. There have been many, many developments. Let me just go through the conditions of the plants at Daiichi.

Unit 1 is the unit that is in the best shape. The core cooling is stable and the spent fuel pool is in good shape. The containment is functional. There, there was a hydrogen explosion previously. There has not been any other significant degradation of secondary containment. So Unit 1 is fairly stable since the last time we chatted.

Unit 2 is not in very good condition at all. It appears that core cooling has not existed for quite some time. It appears that the, the pumps that were injecting into the core have been deadheaded for some time. Several hours ago, there was a loud sound that appeared to come from inside the dry well, and at that time, the pressure inside primary containment went from three atmospheres to one atmosphere (essentially, atmospheric pressure).

There is clear indication that primary containment is not intact, and there may also be indication that

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1 fuel, that there has been substantial core melt, and
2 possibly even the loud sound in the breach of
3 containment was caused by an X vessel fuel
4 situation. That last bit of information cannot be
5 confirmed at this time.

6 The Unit 3 reactor had stable core
7 cooling. We have no information about the
8 conditions of spent fuel pool. However, when the
9 hydrogen explosion occurred in the reactor building,
10 substantial amounts of debris from the reactor
11 building collapsed into the spent fuel pool.

12 Unit 4 previously was reported as
13 stable. That is no longer the case. The Unit 4
14 reactor is de-fueled. The spent fuel pool is in --
15 excuse me -- the spent fuel is in the spent fuel
16 pool. The spent fuel pool is dry and there appears
17 to be a zirconium fire in the spent fuel pool of
18 Unit 4.

19 We have no problems with Units 5 and 6.

20 The Japanese government has extended the
21 protective actions from evacuation to 20 kilometers
22 -- that's roughly 12 miles -- to evacuation to 20
23 kilometers plus sheltering to 30 kilometers.

24 The weather pattern has shifted. Last
25 time we talked, the wind was out of the northwest

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1 towards the southeast. The winds were out to the
2 ocean. Currently, the winds are out of the
3 northeast towards the southwest; that is, towards
4 the city of Tokyo.

5 And site boundary dose rates for Units 2
6 and 3 vicinities of the site boundary are on the
7 order of 2 to 4 rem per hour. Site boundary dose
8 rates at Unit 4 are on the order of 10 rem per hour.

9 Just give me a moment to go over my
10 notes. I believe that's it.

11 There have been no changes of any
12 substance for the Daini reactors. The primary focus
13 has been on the Daiichi reactors.

14 The Chairman and Marty Virgilio are
15 here. We do have a (sic) Executive Team member for
16 Protective Measures; that's Cathy Haney. And we've
17 extended the Protective Measures Team in the
18 operations center.

19 We've dispatched nine individuals to
20 Japan. Some of them are in the air. I haven't
21 heard that all of them are in the air yet, but
22 that's the contingent led by Chuck Casto. Chuck has
23 a charter for his responsibilities and our team's
24 responsibilities in Japan. He will share that with
25 the ambassador when he arrives, and once the

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1 ambassador is comfortable with that charter, it will
2 be issued formally to Chuck from either Bill
3 Borchardt or the Chairman.

4 The Chairman is on a call, as we speak,
5 with the ambassador and the White House situation
6 room.

7 Let me look around the table. Have I
8 missed anything, guys and girls?

9 MALE PARTICIPANT: The DOE RAP team with
10 the aerial monitoring system has been dispatched and
11 is at this point seven hours from arrival in Japan.

12 JACK GROB: Okay. Just to confirm that
13 everybody heard that, the DOE RAP team with
14 additional radiation monitoring capabilities is
15 approximately seven hours out from arrival in Japan.

16 Let me just share one other thing. From
17 our perspective, the protective action
18 recommendations that the Japanese government has
19 issued are consistent with current radiological
20 conditions as best we understand them. We have very
21 limited radiological data.

22 MARTY VIRGILIO: It's really -- this is
23 Marty Virgilio -- it's really rapidly evolving now
24 given the fact that, for Unit 2, it appears that we
25 have the core X vessel and we don't have a

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1 containment any longer. We've lost the primary
2 containment.

3 So what I'm going to suggest at this
4 point is, if we can wrap this up because we have to
5 get back to work, is there any questions that any
6 anybody on the phone has?

7 (No response.)

8 JACK GROB: Any questions?

9 (No response.)

10 MARTY VIRGILIO: Okay. Thank you very
11 much.

12 JACK GROB: Thank you.

13 (END OF SERIES.)
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