1 (CONFERENCE CALL INITIATED)

2 1:41:38

3 MR. NOAH: Morning, Chuck, Charlie here.

4 MR. CASTO: All right.

5 OPERATIONS OFFICER: This might take a

6 moment.

7 MR. NOAH: Chuck, are you up?

8 OPERATIONS OFFICER: One or two of the

9 officers had to go.

10 MR. NOAH: Good morning, Chuck.

11 MR. McDERMOTT: Good morning, Chuck.

12 MR. CASTO: Hi, this is Chuck Casto in

13 Japan.

14 MR. NOAH: Hi, Chuck, it's Charlie and

15 Brian here.

16 MR. CASTO: Yes, I wanted to debrief you

17 on the cabinet meeting for tonight, if that's

18 acceptable.

19 MR. NOAH: Okay.

20 MR. CASTO: And somebody, I think DOS

21 persons -- well, there was a hundred people at that

22 meeting, but the DOS person will generate the minutes

23 and get them to us either tonight or tomorrow morning.

24 A highly productive meeting with the prime

25 minister's representatives. They were greatly

1 appreciative of the work that we have done in the last
2 24 hours. Some of the things that they were very
3 (b)(5)
4
5 in understanding their challenges.
6 In fact, I think they said they understood
7
8 (b)(5)
9
10 success from last night.
11 They have, at least, (b)(5)
12 (b)(5)
13 tonight from DOE. DOE, let me say, did a fantastic
14 job putting together a report and I have shared that
15 with the top DOE officials here. They did a
16 tremendous job putting together a report on equipment
17 that was available from last night to today. And
18 actually, they had that report I think probably by
19 noon today and we provided it to the staff earlier
20 today and so they were prepared to talk about it
21 tonight and they were highly appreciative of the
22 material DOE provided.
23
24 (b)(5)
25

so anxious, they launched it from the meeting to get it going this way. [redacted] (b)(5) [redacted] (b)(5) [redacted]

We talked to them about blown injection into the reactor and told them what we had told them earlier today, that that's not -- that should not impede their progress to swap over to sea -- or to fresh water. We talked with them about -- and then we moved into the big topic of the night, which was swap-over.

We teed up the fact that we have got at least four analyses that say that they should do that [redacted] (b)(5) [redacted] (b)(5) [redacted] So they -- I think and

then we moved into proposing -- hold on a second. Hey, guys, can you take that outside? I can't concentrate. It has been a long day. Thanks.

(b)(5)

- it slowly progressed into another step forward.

We have had multiple step forwards on that. Now, we are down to where do we lay it down at and how do we tie up the barge? So, you know, I think the sense --

MR. McDERMOTT: We'll find the time on that tomorrow.

MR. CASTO: Yes. Tomorrow, all day tomorrow the Navy is going to look at where and how do they lay down the equipment and where do they tie up barges, water barges. So is that -- you know, how feasible is that and, you know, will the system work? So we made Bill Cook's system and the hard work he has done, an outstanding job, down at Yokota and even the base general has asked for him to come back down and talk with the staff and do other PR stuff.

And he did a fantastic job down at Yokota

1 and probably will get to go down there several times
2 more. They are identifying staff to be trained on the
3 pumping equipment. And originally, we were going to -
4 - they -- the Aussies were going to do that on Friday,
5 (b)(5)
6
7 up north and train up north, rather than send the
8 TEPCO people down to Yokota to be trained.
9 He is so anxious to get the stuff up
10 there, that I think if they could have carried it up
11 there tonight and hooked it up to their van, they
12 would have towed it up there tonight. So it will
13 probably move north rather quickly. And then we will
14 find some place up north to train the TEPCO staff.
15 (b)(5)
16 guess, the issue with the continuous vent out at Unit
17 2 reactor building. They told us that last night that
18 they had filled Unit 2's spent fuel pool, so our
19 question tonight was well, if you have filled Unit 2's
20 spent fuel pool and the water is cool, you know,
21 basically, where is that steam coming from?
22 And, you know, we expressed our concern
23 that there may be a primary containment breach and
24 they acknowledged that to some degree and said well,
25 yes, but, you know, we are not certain because there

still could be steam coming off the spent fuel pool. And the volumes we are seeing steam come off of that reactor building, you know, it's more likely that it is coming from the primary containment than it is the spent fuel pool.

(b)(5)

said they would analyze it tomorrow, and that would be on the agenda for tomorrow night, (b)(5)

(b)(5)

issue?

JOHN: Yes. The Reactor Safety Team working with INPO and industry pulled together a page and a half of equipment that got there at industry, a third of the page on RAD protection or radiation monitoring stuff, two-thirds on anti-seismic center. Ultimately, at the end of the million potassium iodine test, they wanted to move to the next step on there.

And particularly, wanted to know what form is it? Is it liquid, granular, tablets? Is it adult dose, kid dose, etcetera? I'm shooting that email to the Reactor Safety Team right now and Terry Maude of INPO, he was the one who orchestrated it saying hey, let's move to the next step. Can you give us these

1 details, etcetera?

2 MR. CASTO: And hopefully Al Hoshivar will

3 be in here tomorrow and we can -- that will be a great

4 item that we can turn over to Al and say look, you

5 know, they are interested in this KI, would you,

6 please, work with them? You know, take that off our

7 plate and work with them to get the KI going.

8 As I said, DOE equipment, DOE did a

9 wonderful job, so we have turned that over to them.

10 Also, we have an agreement at that level, at the

11 cabinet level, that all requests for equipment and

12 supplies will come through that meeting and no other

13 source on both sides. We won't offer any equipment to

14 them and they won't request any equipment by any other

15 mechanism than that meeting.

16 So -- because we have got lots of -- I

17 mean, there is private companies out there trying to -

18 -

19 MR. NOAH: Right.

20 MR. CASTO: -- push equipment. There is

21 all kinds of stuff going on. But the only official

22 channel for equipment is coming through that meeting.

23 On to two other issues, one, on the DOE

24 letter, our opinion here on the ground, and you can

25 overrule us or somebody can whatever, is that

1 [redacted]
2 (b)(5)
3 [redacted]
4 agree -- we discussed with them the four or five
5 calculations that we have on salt accumulation. They
6 agree on all of that. [redacted]
7 (b)(5)
8 [redacted]
9 [redacted] (b)(5)
10 And we --
11 [redacted]
12 (b)(5) [redacted]
13 MR. CASTO: Yes. We have told Mr. Kelly -
14 - Alisha was here just a minute ago from DOE. She is
15 the top dog here or one of the top dogs in DOE. And
16 we just told her Mr. Kelly was on the phone waiting
17 for us to return and she just went off to tell him
18 t[redacted]
19 (b)(5) [redacted]
20 So if we need to elevate that, I know you
21 guys have got our -- and here is our rationale. As I
22 [redacted]
23 (b)(5)
24 [redacted]
25

1 [redacted]
2
3 (b)(5)
4
5

6 MR. NOAH: Yes. And again, I know the
7 chairman is working that personally.
8 MR. CASTO: Good.
9 MR. McDERMOTT: The chairman indicated,
10 Chuck, that he had conversations with you that we
11 [redacted] (b)(5) .
12 MR. CASTO: Exactly. Yes, they asked me -
13 [redacted] (b)(5)
14
15 MR. McDERMOTT: Yes.
16 [redacted]
17
18 (b)(5)
19
20
21
22 MR. McDERMOTT: I guess the one thing that
23 has changed from before we went to the cabinet meeting
24 [redacted] (b)(5)
25

1 But now that we have been to the cabinet meeting and
2 it is very clear on their side of the table all the
3 way around that they are completely committed to the
4 priority of getting off of salt water and onto fresh
5 [redacted]
6 (b)(5)
7
8 MR. CASTO: [redacted] (b)(5)
9 [redacted] (b)(5)
10 So we have gotten it and we sent in our --
11 some time today, Curt Fogie (phonetic) sent in our
12 battle rhythm plan. You know, we have kind of got a
13 battle rhythm going now. We are very pleased with it.
14 A series of meetings during the day. We have got
15 them timed just right, so the next meeting -- one
16 meeting feeds the next meeting and the next meeting
17 and the next meeting and, ultimately, what's the word
18 I'm looking for, ends up in this 20 hundred hour
19 meeting with the cabinet.
20 MR. NOAH: Right.
21 MR. CASTO: And that's really improved.
22 You know, that happens -- it started the night before
23 last when the cabinet took over the issue, took over
24 this, basically, took over this event from the
25 ministries. And they have a direct representative

1 from the prime minister and dias members, you know, on
2 the committee. So that -- when that happened, I think
3 it was -- what night was that? Monday night or
4 Tuesday night or something like that --
5 JOHN: Monday night.
6 MR. CASTO: Whatever night it was, that
7 really broke free a lot of our communication
8 difficulties. And I would say that the relationship
9 and the working -- I mean, they were very pleased
10 tonight with the information we had given them last
11 night, with DOE stuff, so we are, you know, in the
12 swing of things now. We can dialogue with them.
13 I mean, you still have to go through all
14 the protocol stuff and do all that, that's -- you
15 can't set that aside, but nevertheless in terms of
16 accomplishment, we, you know, are really moving
17 forward.
18 Finally -- was there anything else? I got
19 one more thing. Was there anything else that I
20 missed, John, out of that that was highlighted?
21 It was a very satisfying meeting. You
22 know, it was just -- I can't overstate it.
23 JOHN: Yes. They -- what we think you are
24 saying, I'm sorry, if you already mentioned this, they
25 want to go public with --

1 MR. CASTO: That's my last item.

2 JOHN: Okay. We will have to coordinate

3 that, of course, with the chairman's office, Stu

4 Malloy (phonetic). He will want to be, you know,

5 involved in the communications.

6 MR. CASTO: Basically, they said we would

7 like to make this meeting known to the media.

8 JOHN: The fact of.

9 MR. CASTO: The fact of. I'll get to

10 that.

11 JOHN: Okay.

12 MR. CASTO: Yes. The fact of that media,

13 that we had this. The media, they have already

14 sniffed it out and they would appreciate if we would

15 not discuss the contents of the meeting, but would

16 think -- they believe that it would bring credibility

17 to their efforts if they show the, you know, reality,

18 which is, you know, we've got a good working

19 relationship with them. That's the reality.

20 MR. NOAH: Yes.

21 MR. CASTO:

22

23 (b)(5)

24 And we,

25 basically, with the DCM's permission, said hey, this

is your meeting. You know, we will abide by whatever rules you place on it. And if that's what you would like to do, then we respect it.

MR. NOAH: Chuck, from this end what I'm anticipating will happen from that is we will get a push from the media on our end concerning any information they get through the public information supply in Japan about how it is that we are supporting them, because they are constantly thirsty for that.

(b)(5)

MR. NOAH: I understand.

MR. CASTO: You tell me what to do and --

MR. NOAH: Basic awareness, but --

MR. CASTO: Yes. And I don't think -- well, the only thing that we hand to them, we did hand to them tonight the -- well, we have handed a lot. We

(b)(5)

MR. NOAH: Yes.

MR. CASTO: The only thing we haven't

(b)(5)

mean, everything we have given them is public

1 information.

2 MR. NOAH: Okay. So I'll make sure our

3 Public Affairs is on board on this and is being on the

4 lookout for any public relations from the Japanese

5 side.

6 MR. CASTO: Yes. And, Charlie, I think

7 officially from the NRC domestic side, you know, the

8 response needs to be along the lines of, you know, we

9 count it a privilege to work with our esteemed

10 Japanese colleagues and regarding any specifics, we

11 defer you to the government of Japan.

12 MR. NOAH: Thank you.

13 MR. CASTO: So that's --

14 MR. NOAH: Yes.

15 MR. CASTO: -- again, you know, we are

16 keeping this battle rhythm. The -- we will meet again

17 at 8:00 tomorrow night with them. So --

18 MR. NOAH: Okay. Can I ask a couple

19 clarification questions?

20 MR. CASTO: Absolutely.

21 MR. NOAH: Would you brief me on? The

22 barges that you referred to --

23 MR. CASTO: Yes.

24 MR. NOAH: -- would these barges be used,

25 I assume, in some capacity to get fresh water?

1 MR. CASTO: Yes, I'm sorry I didn't
2 explain that. Those are fresh water barges.
3 MR. NOAH: Okay. So that we wouldn't --
4 okay.
5 MR. McDERMOTT: For injection to the
6 vessel, Chuck?
7 MR. CASTO: Yes. Those are fresh water
8 barges.
9 MR. McDERMOTT: Okay.
10 MR. CASTO: And, you know, there is a lot
11 of details yet to be worked out. The draft is shallow
12 there. There might be some damage to the dock because
13 of the tsunami. I mean, there is a lot yet to work
14 out, but that's all in the hands of the Navy.
15 MR. NOAH: Okay.
16 MR. McDERMOTT: The reason that barges
17 exist is to provide potable water to Navy vessels and
18 Navy would just divert these potable water supplies to
19 supply the reactors?
20 MR. NOAH: Right. Okay.
21 MR. McDERMOTT: So is there a separate
22 pumping system that is being developed for that?
23 MR. CASTO: We have a pumping system that
24 we developed that is sitting down at Yokota. They
25 don't have a pumping system.

1 MR. McDERMOTT: Yes, no. The expectation
2 is that we would work with the Navy to make sure that
3 we can adapt the vessel system and since we are trying
4 to get off the foam water --
5 MR. CASTO: It's -- I don't -- we don't
6 call it the vessel system, but --
7 MR. McDERMOTT: Okay. They under --
8 MR. CASTO: Yes.
9 MR. McDERMOTT: That's what we call it
10 back in the ops center, so that's what --
11 MR. CASTO: Yes.
12 MR. McDERMOTT: -- they understand. But
13 the system that we have provided, which was originally
14 designed for the purpose of drawing directly from the
15 ocean --
16 MR. NOAH: Right.
17 MR. McDERMOTT: -- and now we don't want
18 water from the ocean, so we are going to adapt that to
19 work with the barges.
20 MR. NOAH: Got it.
21 MR. McDERMOTT: That was going to be used
22 originally, I thought, to put water on the pools.
23 Dan, that's where our --
24 MR. CASTO: Well, it's likely going to be
25 used for all of that.

1 MR. McDERMOTT: It will probably be used
2 to put it on the pools. It will probably -- they will
3 probably -- I think TEPCO will also want to look at
4 anywhere that they can connect it into an impact
5 piping system to inject in the reactors as well.
6 MR. CASTO: This thing is a beast.
7 MR. McDERMOTT: Okay.
8 MR. CASTO: I mean, it can do anything.
9 Bill Cook designed a monster. That thing can pump
10 reactors. It can pump spent fuel pools, high/low
11 pressure, low/high volume. It is a beast. We are
12 going to name it -- what are we going to name it?
13 Something Max. It's got to have, you know, you've got
14 K-MAX. We've got to develop CORE-MAX. CORE-MAX
15 pumping system or something.
16 MR. NOAH: Well, Chuck, is that system,
17 this may be too much detail for you, going to run off
18 of fuel or in hopes of --
19 MR. CASTO: Yes, it runs off of diesel
20 fuel.
21 MR. NOAH: Runs off of fuel. And has a
22 five day supply?
23 MR. CASTO: Correct.
24 MR. NOAH: So you fuel it up, you load,
25 put it in place and away for five days.

1 MR. CASTO: Yes.

2 MR. McDERMOTT: Got it.

3 MR. NOAH: All right.

4 MR. CASTO: You know, they have to get a
5 good lay down area for radiation and distance to the
6 shore.

7 MR. NOAH: Okay.

8 MR. CASTO: Let Bill explain a little bit.

9 MR. NOAH: I understand.

10 MR. CASTO: He did -- it's his child.

11 MR. NOAH: Okay. Okay.

12 BILL: It's got a lot of redundancy and
13 diversity, high volume/low pressure, high volume/high
14 pressure, mid volume/mid pressure. It's got all kinds
15 of hose connections. It can hook up to just about
16 anything. The Aussies are very confident, capable
17 folks. They use this system principally for hydro
18 mining, so you can imagine the industrial strength and
19 robustness of it.

20 MR. NOAH: Good.

21 MR. McDERMOTT: You mentioned K-MAX from
22 DOE. Is that in the robotics equipment document?

23 MR. CASTO: I don't know if K-MAX is in
24 that. No, it's not. Damion (phonetic) tells me it's
25 not in that document, that's separate.

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(b)(4)

7 MR. NOAH: Is this the helicopter that
8 lifts, the remote helicopter?
9 MR. CASTO: Yes, it's a drone helicopter.
10 MR. NOAH: Okay.
11 MR. CASTO: It doesn't -- well,
12 apparently, it doesn't have the lift capability that
13 we thought it had, but, you know, it can do other
14 things. So it's a drone.
15 MR. NOAH: Okay.
16 MR. CASTO: It can take -- it can carry
17 video in there, whatever they need.
18 MR. NOAH: Okay.
19 MR. CASTO: One of the things they were
20 most interested in was the hardened camera.
21 MR. NOAH: Sure.
22 MR. CASTO: Radiation hardened camera, so
23 that was a big winner for them. And I'm sure that the
24 admiral has to that on an airplane by now.
25 MR. NOAH: Right. That's the DOE that you

1 were referring to, Chuck?

2 MR. CASTO: Yes.

3 MR. NOAH: Okay.

4 MR. CASTO: Yes. There is -- I don't know

5 if we sent it to you. Damion, did you send that

6 report, the DOE report to the WHO?

7 DAMION: I did not.

8 MR. CASTO: Could you forward that report

9 to the WHO, so they can see what it is we are talking

10 about, please?

11 DAMION: Yes.

12 MR. CASTO: Damion is going to send it to

13 you. It's, I don't know, 30 pages or something like

14 that. What is that thing? It's pretty big. It's

15 pretty, too. They did a great job in color and all

16 that stuff. So really the great thing that they did

17 on that list of equipment from DOE is that they put

18 time lines on there about how long it would take to

19 get that piece of equipment. And the Japanese were

20 very appreciative of the time lines. They said, okay,

21 we can -- those time lines inform our, you know,

22 activities. So they were grateful that that had time

23 lines on there.

24 MR. NOAH: Yes. I think we have March 22,

25 2011 document from DOE, the robotics. We have that

1 here.

2 MR. CASTO: Okay. Somebody did send it

3 in. Dated March 22nd, robotics from DOE?

4 DAMION: Yes, that's what it is.

5 MR. CASTO: Yes.

6 MR. NOAH: Yes.

7 MR. CASTO: Yes, they got it.

8 DAMION: Okay.

9 MR. NOAH: Okay.

10 MR. CASTO: So that was our night.

11 MR. NOAH: All right. Chuck, I have a

12 question and I'll let you go though. You know, we see

13 more interest things and I'll be wrapping up on this

14 end about protective actions and expanding protective

15 actions and things like that. Reports on the meeting

16 here this morning was that Tokyo water system is

17 contaminated.

18 MR. CASTO: Yes. The infant water -- you

19 know, no tap water for infants under a year or

20 something like that.

21 MR. NOAH: Right, right.

22 MR. CASTO: Yes.

23 MR. NOAH: Um, are you saying in your

24 travels any monitoring data that, am I outside your

25 purview right now?

1 JOHN: I don't think we have seen tap
2 water data.
3 MR. CASTO: They said they -- the
4 newspaper said something today they are finding iodine
5 in the tap water. There was something in -- there was
6 a newspaper article today on it.
7 MR. NOAH: Okay.
8 MR. CASTO: The trace amount of iodine in
9 the tap water.
10 MR. NOAH: Okay. Any in-country
11 monitoring data, is any of that being fed to you
12 directly?
13 MR. CASTO: Yes, Jack Foster, I think, has
14 taken -- has that.
15 JOHN: Well, we are -- as part of the
16 supporting infrastructure for this cabinet process, we
17 are meeting daily with -- kind of NISA is coordinating
18 several agencies coming together, but MEC (phonetic)
19 which is the ministry that does their radiation
20 monitoring is giving us their data.
21 We also are getting data from Naval
22 Reactors, who is monitoring down in Yokoska
23 (phonetic). They have also got some teams out in the
24 field monitoring. And I think finding trace amounts
25 of iodine in Tokyo is consistent with the kind of

1 samples which they are pulling down at Yokoska.

2 MR. McDERMOTT: Charlie, since you asked

3 another question, that means I get another one.

4 MR. CASTO: Absolutely.

5 MR. McDERMOTT: The --

6 MR. NOAH: Go ahead.

7 MR. McDERMOTT: We were asked today by the

8 embassy about another quake. You know, that was a

9 major shake and there continues to be major shakes

10 going on.

11 MR. CASTO: Right.

12 MR. McDERMOTT: Now, and we were asked

13 today about, you know, should they be worried or

14 should they consider or should we evaluate the shift

15 in -- you know, the fault line has shifted. I'm not a

16 seismic expert, but theory is that plate moved quite a

17 bit and it changed the seismic characteristics around

18 the other plants, you know. Not Fukushima, you're not

19 worried about that one now. But it shifted the fault

20 lines around the other plants, so that their concern

21 was should we be worried about another, you know,

22 plant, because, you know, the fault line got shifted.

23 I had no answer for that question. That

24 was one of those I'll get back to you answers, you

25 know.

1 MR. CASTO: Let us cogitate on that one as
2 to what to say, but I think the answer is, you know,
3 the Japanese should be concerned about it, to what
4 level, I'm not sure what advice we can give, at this
5 point.
6 MR. McDERMOTT: Yes. You know what, yes.
7 They probably have to recalculate some kind of a
8 seismic analysis or something like that.
9 MR. NOAH: Yes, yes.
10 MR. McDERMOTT: Yes. We -- it would only
11 take us 10 years to get to it. Hey, one of the other
12 things I'll share with you, guys and ladies, is I did
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1 that's the wrong word, that's the wrong term.

2 But scaling down their response. So

3 that's just FYI.

4 MR. NOAH: Yes, okay. Okay.

5 MICHELLE: Yes, Chuck, this is Michelle.

6 On that note, we've got two people coming in that

7 should be there today, I guess, Mike Scott and Alan

8 Wayni (phonetic).

9 MR. CASTO: Yes.

10 MICHELLE: They flew out Tuesday.

11 MR. CASTO: Alan is here.

12 MICHELLE: Oh, great, okay. So maybe in

13 the next day or so we could start -- if you guys can

14 think about transitioning?

15 MR. CASTO: Yes, we have already planned

16 that out.

17 MICHELLE: Okay.

18 MR. CASTO: Everybody is out. We sent out

19 three on Friday. The rest of the team on Saturday, I

20 think it is. Is that right, Saturday or Sunday?

21 Saturday, I think it is.

22 JOHN: We've got to look at it.

23 MR. CASTO: Yes. Maybe it's Sunday.

24 JOHN: A good turnover.

25 MR. CASTO: Maybe it's Sunday. We've got

1 three on --

2 MICHELLE: Right.

3 MR. CASTO: -- Friday. I think the rest

4 of the team on Sunday. Then except for Bill Cook.

5 JOHN: He does such a good job, he has to

6 stay for three more weeks.

7 MR. CASTO: He gets the remedial time.

8 But, you know, at this point, we have such a -- you

9 know, we are working the pump issues so well and Bill

10 has been instrumental in its success.

11 MICHELLE: Okay.

12 MR. CASTO: And, you know, we don't want

13 to pull him out of here until the pump issue is --

14 JOHN: Right.

15 MR. CASTO: -- until that pump is up there

16 and they are starting to pump water with it, because

17 he --

18 JOHN: Right.

19 MR. CASTO: -- his -- and I'm being

20 serious here. His working relationship with the

21 Japanese and the engineers and the people there down

22 at Yokota is tremendous. And he has gotten accolades

23 from the base commander. And seriously, she wants him

24 to come back down there and do some work for them.

25 And so we are going to do that.

1 JOHN: Yes.

2 MR. CASTO: And so, you know, he has done
3 an outstanding job on, you know, a tough issue. A
4 tough issue that, you know, we've had some really dark
5 days over the last week and a half, but it's slowly,
6 but surely, moving its way up north. You know, so if
7 they are starting to talk about lay down areas and
8 supplies for it and all that stuff, we are hopeful
9 that, you know, we added value there.

10 MICHELLE: Okay. Good.

11 MR. NOAH: Thanks, Chuck.

12 MICHELLE: Thank you.

13 MR. NOAH: Give Bill my best. Many years
14 ago, he was the senior resident at Ganay (phonetic)
15 when I was the PS, so I know Bill's capabilities.

16 MR. CASTO: Yes, he is sitting here. He
17 is --

18 MICHELLE: Yes, he has done work for me,
19 remember that.

20 MR. McDERMOTT: Yes, me, too, Bill.

21 MICHELLE: Yes.

22 MR. NOAH: They're trying to say they
23 taught you everything you know.

24 MR. CASTO: That's what he just said, but
25 you couldn't hear it. He said he taught you

1 everything you know.

2 MR. McDERMOTT: Is it true he had air back

3 then?

4 MR. CASTO: Hey, you know, God made a few

5 perfect heads. The rest he covered with hair. Right,

6 Bill?

7 BILL: Yes.

8 MR. CASTO: All right. Hey, guys --

9 MR. NOAH: Tell us if there is anything

10 you need of us?

11 MR. CASTO: Yes. Hey, thanks a lot.

12 MR. NOAH: Okay.

13 MR. CASTO: And we will be in -- if you

14 need anything, Rick is here over the night shift.

15 MR. NOAH: Okay.

16 MR. CASTO: You know, we pretty much stood

17 down the big team on the nightshifts.

18 MR. NOAH: Right.

19 MR. CASTO: And we keep a duty officer

20 here. So then Rick Diverchele is our head -- our top

21 point of contact. And last night he spent all night

22 trying to get 3 gigs of photos your way.

23 MR. NOAH: Thank you.

24 MR. CASTO: And it's still going.

25 MR. NOAH: Thank you.

1 MR. CASTO: And it's still going. So all
2 right, folks.
3 MR. NOAH: All right, Chuck, do you need
4 anything else from us besides continuing to try to
5 push (b)(5)
6 MR. CASTO: Yes, that's the big thing.
7 And then the press on the meeting, just being prepared
8 for the press on the meeting.
9 MR. NOAH: Right. We got it.
10 MR. McDERMOTT: I got an email or call
11 from John.
12 MR. CASTO: Hold on.
13 JOHN: Just send me an email from time to
14 time from Kelly. He is saying oh, they don't like it
15 -- hey, everybody take a look at it and let's put the
16 letter on hold and he may get a call. So as far as
17 the people who originated this whole thing, they are
18 taking a step back and evaluating. And I can't
19 imagine why it didn't do anything.
20 MR. McDERMOTT: Yes. Just make sure that
21 they understand that we don't have -- nobody is
22 disagreeing with their results.
23 MR. CASTO: It's just --
24 MR. McDERMOTT:
25 (b)(5)

1 (b)(5)

2 (b)(5)

3 DAMION: At least we've got the commander

4 (inaudible) and I'm going to send an email back

5 saying, you know --

6 MR. CASTO: Charlie, if you didn't hear

7 that, our DOE rep, Damion, you know, said basically

8 they are taking a step back and looking at it.

9 MR. NOAH: Okay.

10 MR. CASTO: So hey thanks, folks.

11 MR. NOAH: Thank you, Chuck, team.

12 MR. CASTO: Talk to you soon.

13 MR. NOAH: Okay. Bye-bye.

14 MR. McDERMOTT: Take care.

15 (Conference call concluded.)

16

1 (CONFERENCE CALL INITIATED)

2 2:13:25

3 MR. NOAH: We have already talked about
4 that. There was some discussion about applying the
5 triple Rs or the protective action guideline and that
6 was what led to the decision to pull together the
7 working group with the experts, so that we can all be
8 in alignment or at least understand where the
9 differences lie that they can be elevated to get
10 results.

11 Admiral Willard spoke up and commented
12 about in line with, I think, what we have heard from
13 Naval Reactors before, which is, you know, the kind of
14 conceptual model that led us to develop the protective
15 action guidelines that we developed. That is based on
16 dose, projected dose. It's not based on measurable
17 activity or spikes in activity that come along.

18 But the admiral pushed back and said yes,
19 what we are really needing to look at here is the
20 cumulative exposure of people who know, you know, the
21 wind is blowing here, the wind shifts here. You know,
22 has that been accounted for in the technical basis for
23 protective action?

24 If it has, I think that would be an
25 important point to bring out in the working group on

1 the Protective Action Guidelines. It is probably also
2 something that Chuck wants to look upon in his
3 briefing of the admiral tomorrow on the topics that he
4 has given.
5 MALE PARTICIPANT: I think we need to
6 characterize that, that criteria for evacuation. We
7 have got criteria for the location. The location
8 criteria takes into account accumulated dose.
9 MR. NOAH: Right. This is all part of the
10 let's make certain we are all together and work as a
11 team.
12 MALE PARTICIPANT: You've got to somewhat
13 provide more context than what the intermediate --
14 MALE PARTICIPANT: Sure.
15 MALE PARTICIPANT: -- request is for.
16 MALE PARTICIPANT: It's slightly different
17 than that. It's not accumulated dose over time from a
18 release with a (inaudible). The question becomes
19 multiple (inaudible).
20 MR. NOAH: No, that's exactly what he
21 said. It's the same thing.
22 MALE PARTICIPANT: I think the practical
23 outcome maybe is the same.
24 MR. NOAH: Practical outcome.
25 MALE PARTICIPANT: How you get there --

1 MR. NOAH: How you get there is the
2 challenge.
3 MALE PARTICIPANT: -- is different. Yes.
4 I think I understand the question. I think it does -
5 - who should be answering this? Is that Vince
6 Hollahan (phonetic) that should come over and report
7 to CMP to do that?
8 MALE PARTICIPANT: He's coming down. I
9 can check.
10 MALE PARTICIPANT: What have we got?
11 MR. NOAH: I mean, if we get that
12 answered, you've got to come up with some way of, for
13 lack of a better word, getting a good estimate of
14 accumulated doses you know, in the currently evacuated
15 towns.
16 MALE PARTICIPANT: Well, I recommend
17 (inaudible).
18 (Simultaneous talking.)
19 MALE PARTICIPANT: Protective action is
20 the only way you are going to have that information is
21 from the AMF data.
22 MR. NOAH: That's going to give you the
23 ground deposition.
24 MALE PARTICIPANT: Oh, deposition.
25 MR. NOAH: It isn't necessarily going to

1 tell you what the cumulative ventilation dose is,
2 right?
3 MALE PARTICIPANT: Right.
4 MALE PARTICIPANT: Tough question.
5 MR. NOAH: And then at the end of the call
6 before we went into the action item, FDA spoke up and
7 said that the governors of the prefectures around the
8 plant had ordered based on the protection of elevated
9 iodine levels in milk and milk products. That you
10 cannot distribute those products from those
11 prefectures because of contamination.
12 So the action that the FDA took to forbid
13 import of those milk products was intended to align
14 with the actions that the Japanese authorities had
15 taken. And so it's not seen as inconsistent, it's all
16 part of the same package that we piggybacked on with
17 the Japanese. And then Noah spoke up and said
18 yesterday in the southern part of Japan the volcano is
19 active. It let off a few burps of ash, so there is
20 ash clouds now coming, which the ambassador responded
21 look, we have had an earthquake. We have had a
22 tsunami. We have had a nuclear emergency. We need
23 the government to stop that volcano from erupting.
24 And that led to a happy --
25 MELISSA: That's a wild one.

1 MR. NOAH: It was a joke. The people took
2 that as okay, he hasn't lost all sense of reasoning in
3 the battle. So that's the highlights. But we need
4 the KI info. Melissa?
5 MELISSA: Yes.
6 MR. NOAH: Have you got that?
7 MELISSA: Yes. Okay.
8 MR. NOAH: And we also need to know the
9 drinking water.
10 MALE PARTICIPANT: Yes.
11 MR. NOAH: Do we have that? And then
12 prepare yourself, participate in the working group.
13 MALE PARTICIPANT: Yes, we are already
14 ahead of that, because we are working on the Trip Wire
15 document.
16 MR. NOAH: Okay.
17 MALE PARTICIPANT: It's probably
18 worthwhile for them to just come on and stay here when
19 Chuck briefs me on.
20 MR. NOAH: Sure.
21 MALE PARTICIPANT: To make sure what you
22 hear -- it's primarily Fred (inaudible) if you are
23 ready to jump in after I said that. Okay.
24 MALE PARTICIPANT: I think after the call
25 with Chuck and, of course, I'm not on every call, but

1 one of them were -- he sounded a little bit more
2 upbeat than I seem to recall. You could tell that
3 they had extremely good meetings with the cabinet.
4 And they really listened. Al showed them different
5 things SAMGs, things like that that are why I like
6 (inaudible).
7 So it might have to continue to increase
8 the credibility that we are trying to achieve.
9 MR. NOAH: That said, they are extremely
10 appreciative of the support that they did have. He
11 indicated that this is going to be the vehicle
12 accepting equipment. You know, the concern was you've
13 got various entities in Japan calling various entities
14 within the United States and -- to get the focus
15 there. So it's critical, too, from that perspective
16 [redacted]
17 [redacted]
18 integrated approach from what the industry effort is
19 going on and what our team is doing gets to those
20 meetings with the cabinet.
21 That's the way it is going to be done.
22 And then they can accept, the Japanese government,
23 what it is that they are going to do. Okay. I think
24 we are talking about some of the documents. There is
25 [redacted]

1 MALE PARTICIPANT: The main thing that

2 [redacted]

3 [redacted]

4 [redacted]

5 [redacted]

6 term.

7 MR. NOAH: And it was characterized today

8 [redacted]

9 [redacted]

10 MALE PARTICIPANT: The team engineers

11 didn't question that? That was one of the other

12 things that, you know, that was what was the

13 government of Japan sharing their high resolution

14 imagery as another positive sign of helping.

15 MALE PARTICIPANT: Well, the positive is

16 if you are sharing it, [redacted]

17 [redacted]

18 MALE PARTICIPANT: But we haven't seen --

19 well, here anyway, we --

20 MR. NOAH: You haven't seen that. Chuck

21 has, I guess.

22 MALE PARTICIPANT: Okay. He is always in

23 the image room?

24 [redacted]

25 [redacted]

[redacted] (b)(5)

MALE PARTICIPANT: So that's still being worked on to see if we can reach --

MR. NOAH: See if you can get any more detail for that, we all want to know.

Big topic, the urgency to switch over from salt water to the fresh water, I think.

(Simultaneous talking.)

MALE PARTICIPANT: They are Navy barges, right?

MALE PARTICIPANT: Yes.

MALE PARTICIPANT: And we are trying --

MALE PARTICIPANT: The agreement is urgent. Let's say the team feels their assessment may be challenged. I guess it wasn't an explicit conversation with the Japanese counterparts, but it was alluded to that that's just something they thought they were going to be able to use to provide the fresh water, that's usually how that works, but there was damage. The pumps were unavailable. Whatever they were trying to do to get their own line of fresh water and take it, that's when the barges come in.

MR. NOAH: Well, the idea of the barges,

1 you know, would be for five batch supply for fresh
2 water. Theoretically, you get hooked up to all the
3 boat equipment that's on the ground and you got fresh
4 water.
5 MALE PARTICIPANT: I mean, even if you are
6 alternating. I mean, if you get some dilution.
7 MR. NOAH: Okay. I think there is
8 equipment moving north quickly. Bill Cook has been at
9 Yokota and he reports very positive reception. Bill
10 is really being looked at as an expert there and has
11 done some great things and they have asked for him
12 back.
13 Okay. The Japanese are reporting that
14 they have (inaudible). Chuck's follow-up on this if
15 you fill them and it's cold, where is all the steam
16 coming from? There is some doubt as to the integrity
17 of the primary containment.
18 (Conference call concluded.)
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1 (CONFERENCE CALL INITIATED)

2 2:23:37

3 MALE PARTICIPANT: ET reports is on the

4 way up.

5 OPERATIONS OFFICER: Yes, this is the

6 headquarters operations officer, Chuck Casto is being

7 transferred up to the conference bridge.

8 MALE PARTICIPANT: Chuck, are you on that

9 phone?

10 MR. CASTO: Good afternoon.

11 MR. VOGER: Good afternoon, Chuck. You

12 got Bruce again.

13 MR. CASTO: Hey, Bruce. You know, we

14 heard a rumor that you guys were nodding off, so we

15 thought we would just call in just to make sure you

16 were okay.

17 MELISSA: Thank you for your

18 consideration.

19 MR. VOGER: Yes.

20 MR. CASTO: Yes.

21 MR. VOGER: How can we help you today?

22 MR. CASTO: You've already helped us in

23 enumerable ways, Bruce.

24 MR. VOGER: Well, thank you.

25 MR. CASTO: You know, that's the way it

1 has been for 25 years. You carry it up the lot.

2 MR. VOGER: Okay. Well, this is the year

3 somewhere that I must have dropped off.

4 MR. CASTO: All right, 30. Well, I've

5 only been for, I guess, 25 years, that's what I was

6 just -- I can't speak for those other eight years.

7 MR. VOGER: Okay.

8 MR. CASTO: I heard things about them, but

9 my 25 years has been pretty good with you.

10 MR. VOGER: Yes, right back at you, Bud.

11 What's up?

12 MR. CASTO: No, I was just checking. I

13 just wanted to make sure that you knew that that

14 (b)(5)

15 MR. VOGER: Yes.

16 MR. CASTO: -- you have seen that?

17 MR. VOGER: Yes.

18

19

20

21 (b)(5)

22

23

24 MR. VOGER: Did you guys have a chance to

25 reflect on it? Do you think there are priorities over

--

MR. CASTO: Well, I think we agree with everything in there, except for the, you know, use [redacted] (b)(5)

MR. VOGER: Well, that's only the top priority.

MR. CASTO: Yes.

MR. VOGER: But what if they -- you know, this is just to chat a little bit. If they spend a [redacted] (b)(5)

MR. CASTO: Right. Yes, and that's what we told them last night at the cabinet meeting, look, you know, [redacted] (b)(5) So, you [redacted] (b)(5)

MR. VOGER: That's the sword you are not going to fall on?

MR. CASTO: No, we are going to provide it. If the Secretary wanted it provided, I think we are going to provide it or DOE.

MR. VOGER: So that's going to be the U.S.

position, (b)(5)?

(b)(5) one that (b)(5) We had a formula transmitted once.

MR. VOGER: That's the one that has the pre-priority or several priorities and --

MR. CASTO: Oh, I don't think that's -- I don't know what that letter is. We don't have one that says these are the priorities. We have one that is a narrative that talks about containment being full and assault and RHR.

MR. VOGER: Right. That's the one where (b)(5)

MR. CASTO: Yes, that's it.

MR. VOGER: Yes. But it talks about, you know, the priorities. The highest priority in our (b)(5)

MR. CASTO: Yes, right. Well, I think (b)(5)

In addition, tonight at the cabinet meeting, we are going to tell them that -- about the salt analysis from INPO to GE and NR, so, you know, we

are just going to say that DOE letter is, you know, just another to, basically, say the same thing. You need to get off of salt quickly.

MR. VOGER: Yes, that's good. Dan, I think the point we would make at the cabinet level is that the overarching theme of multiple inputs is get off the salt.

MR. CASTO: It's sort of the unified position in the USG to get off of salt and do it rather quickly.

MR. VOGER: I mean, Chuck, we would agree with the first two paragraphs of that letter. It's just when you get beyond the first two paragraphs that I have some reservations.

MR. CASTO: Yes. We can clarify that at the 8:00 p.m. meeting, but I know --

MR. VOGER: But what we are saying, Chuck,

(b)(5)

MR. CASTO:

(b)(5)

1 [redacted] (b)(5)
2
3
4 MR. VOGER: Well, that's why we have a
5 chairman.
6 MR. CASTO: And I sent it to him.
7 MR. VOGER: Chuck, that's why we have a
8 Chairman Jaczko.
9 MR. CASTO: But -- and I sent the letter
10 to the chairman and to everybody out there.
11 MR. VOGER: Well, okay. Let us -- give us
12 a few minutes here. We can deal with it, but, you
13 [redacted] (b)(5)
14
15
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17
18 containment.
19 MR. CASTO: And Marty -- we told them that
20 time and time again last night. We told them that.
21 MR. VOGER: All right. Well, we need to
22 [redacted] (b)(5)
23
24
25 MR. CASTO: That's wrong [redacted] (b)(5)

1 has gone out.

2 MR. VOGER: I have no problem with the

3 first two paragraphs. [redacted] (b)(5)

4 (b)(5)

5

6 MR. CASTO: Yep.

7 [redacted] (b)(5)

8

9 [redacted]

10

11 (b)(5)

12

13

14 plant is at -- would be to just use something

15 (inaudible).

16 MR. VOGER: Is it on hold?

17 MALE PARTICIPANT: It's on hold.

18 MR. VOGER: Okay. The letter has not gone

19 out. It's on hold. And, you know, I wouldn't -- I

20 [redacted]

21

22 (b)(5)

23

24

25 They are preparing it, but it hasn't gone

1 out yet.

2 MR. CASTO: Yes. So in the morning if the

3 [redacted] (b)(5)

4

5 MR. VOGER: Well, that's what I intend to

6 ask him to do tomorrow morning, because at least --

7 [redacted] (b)(5)

8

9

10 are talking about.

11 MR. CASTO: Well, we don't know how they

12 know that.

13 MR. VOGER: Right. Well, what they mean

14 [redacted] (b)(5)

15 MR. CASTO: Exactly.

16 MR. VOGER: [redacted] (b)(5)

17 [redacted] (b)(5) --

18 [redacted] (b)(5)

19 MR. VOGER: [redacted] (b)(5) So we brought up

20 [redacted] (b)(5)

21

22

23

24 MR. CASTO: They put it on hold.

25 MR. VOGER: -- through it and you are

1 going to rip out that pipe. And we are set up with
2 them today.
3 MR. CASTO: Yes, I mean one of the things
4 that we have got (b)(4) you
5
6 (b)(5)
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9 MR. VOGER: And I think that we have got
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12
13 (b)(5)
14
15
16 fine. It's just on the recirc.
17 MR. CASTO: Yes, right, right. That's
18 what makes me nervous.
19 JOHN: (b)(5)
20 MALE PARTICIPANT: (b)(5)
21 MALE PARTICIPANT: He can't do that.
22 MR. CASTO: But anyhow, we will talk with
23 --
24 MR. VOGER: Yes.
25 MR. CASTO: It's on hold, so we wait

1 instructions.

2 MR. VOGER: Okay.

3 MR. CASTO: We await instructions. Now,

4 what would you have us tell, what's his name?

5 JOHN: (b)(5)

6 MR. CASTO: No, the guy at -- the cabinet

7 (b)(5)

8 Tonight, I mean --

9 MR. VOGER: I was just telling that, you

10 know, our staff has significant concerns with a

11 recommendation that would involve energizing the RHR

12 system.

13 MR. CASTO: But we already said that to

14 them and we can repeat it again tonight.

15 MR. VOGER: Yes.

16 MR. CASTO: But I mean, as far as any

17 advice with regard to core cooling or seawater, what

18 would you suggest we tell them tonight?

19 (b)(4)

20

21 use to engage TEPCO on how best to recover from the

22 situation.

23 MR. CASTO: And when will that be ready?

24 MR. VOGER: Brian said they were going to

25 (b)(4)

1 MR. CASTO: I mean, every time we say
2 something like that, we get like two questions. When
3 is it coming and when can we meet on it.
4 MR. VOGER: [redacted]
5
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8 (b)(5)
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11
12
13 What time did we meet? It was like 5:00?
14 JOHN: We met at --
15 MR. CASTO: Or 2:00. We met at 2:00 and I
16 [redacted]
17
18 (b)(5)
19
20
21 MR. VOGER: Just open up the air.
22 MR. CASTO: Yes. But I decided, you know,
23 [redacted]
24 (b)(5)
25 yes. [redacted]
(b)(5)

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7 (b)(5)
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13 MR. VOGER: 4:30, what are you guys
14 talking about?
15 MR. CASTO: So we have had plenty of those
16 nights.
17 MR. VOGER: yes.
18 MR. CASTO: But, okay. We are developing
19 our talking points. Oh, shit what time is it? There
20 is no 6:00 tonight? Okay. No roundup. All right.
21 We are developing our talking points for
22 the meeting tonight, the cabinet meeting, so --
23 MR. VOGER: All right. We have got this
24 one as our highest priority. I'll make sure when I
25 turn over with Bill that he gets to the chairman first

1 [redacted]

2 [redacted] (b)(5)

3 [redacted]

4 MR. CASTO: And then we will mention that

5 [redacted] (b)(5)

6 it to them sooner. It's better to be right than in a

7 hurry --

8 MR. VOGER: Right.

9 [redacted] (b)(5)

10

11 MR. VOGER: Okay. And if in the meantime

12 they can get us some clarity on what containment they

13 are talking about?

14 MR. CASTO: And I -- okay. I see that Jim

15 is back. Jim -- they wanted to meet on -- you know,

16 we provided them that information last night on SAMGs

17 and that R-800 course. Man, that thing is like

18 golden. That is this accident, you know, down to the

19 [redacted]

20 [redacted] (b)(5)

21 [redacted]

22 So Jim just back from that and we will get a briefing

23 and we will let you know if there is anything that

24 came out of that.

25 MR. VOGER: Okay. And we are trying to

1 get you some background information for the first
2 bullet for your meeting [redacted] (b)(5)
3 [redacted] (b)(5) tomorrow.
4 MR. CASTO: Awesome.
5 MR. VOGER: So --
6 MR. CASTO: My understanding in talking to
7 Dan is that, you know, I don't know if you want to
8 talk about it, the PAGs are, you know --
9 MR. VOGER: Yes.
10 MR. CASTO: We are really out of the box
11 with the PAGs.
12 MR. VOGER: We started, Marty, this
13 morning with trying to bring all the parties on this
14 end that contributed to the -- taking the anomalous
15 data point of one air sample up to the sit room and
16 tried to both get aligned on where we are at, but also
17 develop a process that we will start in the sit room.
18 And the conversation evolved over the
19 course of the day, because on a separate track, the
20 [redacted]
21 (b)(5)
22 [redacted]
23 they are putting into that is to understand our
24 context and these are the kinds of actions that we
25 think we would take for different thresholds.

1 But they are not looking at the technical

2 [redacted]

3 (b)(5)

4

5 think I'll take.

6 As part of that, we got into a discussion

7 of looking at, you know, the Naval Reactors here is

8 driving this notion of every time the plume swings my

9 way, I pick up a little more dose and a little more

10 dose and a little more dose and 60 plume days, I can

11 get to a PAG level. And we said well, wait a minute,

12 that's not what the PAGs are about.

13 And that got us into a discussion of the

14 underlying technical basis of the PAGs. And does it

15 only really -- does the PAGs only really consider, you

16 know, big puffs and what does it look like in 96 hours

17 or do the PAGs -- can the PAGs be applied in the

18 situation that we are in with the chronic bleeding

19 release?

20 [redacted]

21 l

22 a (b)(5)

23 s

24

25 d

1 [redacted]
2 (b)(5)
3
4 PAGs.

5 And the --

6 MALE PARTICIPANT: (b)(5)

7 MR. VOGER: -- PMT was on this call and

8 [redacted]
9 (b)(5)
10
11 brought -- want to see a copy of that. The PMT should

12 have that. But that message the embassy tends --

13 [redacted]
14
15 (b)(5)
16
17
18 this question on applicability of the PAGs to this

19 situation.

20 MR. CASTO: Okay. Fine.

21 MR. VOGER: Are you still there?

22 MR. CASTO: No, we are nodding.

23 MR. VOGER: Okay. As opposed to nodding

24 off.

25 MR. CASTO: That goes back to my original

1 reason for the call. Once in a while we think we have
2 just got to call back there to make sure you guys are
3 not nodding off.
4 MR. VOGER: Awake. Okay. I have been
5 asking about you all shift, Chuck.
6 MR. CASTO: I know that.
7 MR. VOGER: You know, I wanted to talk to
8 you.
9 MR. CASTO: I know that.
10 MR. VOGER: All right. That's all we had.
11 I don't think we had anything coming your way.
12 MR. CASTO: Okay. I don't know if you
13 want to brief after the cabinet meeting tonight or
14 not. Do you want us to call you and let you know what
15 happens?
16 MR. VOGER: Sure. Somebody is going to be
17 here.
18 MR. CASTO: All right. We'll call. We'll
19 wake you up and we'll call after the meeting tonight
20 and let you know what is going on. I don't know how
21 long it will last.
22 MR. VOGER: Okay.
23 MR. CASTO: I have a sense this one will
24 be a little longer than they have been. Oh, each
25 meeting has more and more detail and more and more

1 dialogue, so -- with them. And we are talking to
2 (b)(6) who is the guy in charge, and he is a member
3 of parliament and he has been designated as the
4 special advisor to the prime minister on this issue.
5 MR. VOGER: Okay.
6 MR. CASTO: Okay. Thanks for all --
7 MR. VOGER: Thanks. Thanks for calling.
8 MR. CASTO: Yes, we will talk to you
9 later.
10 MR. VOGER: All right. Bye.
11 MALE PARTICIPANT: Should we have --
12 (Conference call concluded.)
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1 (CONFERENCE CALL INITIATED)

2 2:42:21

3 OPERATIONS OFFICER: Mr. Casto coming up

4 on the ET bridge.

5 MR. NOAH: Chuck, are you there?

6 MR. CASTO: Yes, hey, hey. Hey, one real

7 quick one. JNES told Jim Trapp of the Unit 2 Spent

8 Fuel Pool, you know, they are pretty confirmed that

9 they filled it and it's at 54 degrees C. Okay. Which

10 is good news. The bad news is there is still steam

11 pouring out of that reactor building, okay, which

12 lends credence to the thing we talked about earlier

13 today, that Unit 2 has a primary containment breach

14 and they are pushing steam out the reactor building.

15 MALE PARTICIPANT: Eight days ago.

16 MR. CASTO: Yes. And it has been

17 breached. Now --

18 (b)(5)

19

20 MR. CASTO: We don't know if -- well, now

21 also, the other bad news about that is it's probably

22 -- you know, we talked earlier about it building up

23 hydrogen in that reactor building.

24 MALE PARTICIPANT: Yes.

25 MR. CASTO: And they are trying to see

what they can do to help that situation out by inerting or putting nitrogen in the reactor building, but -- and I'm dubious about that. I mean, we talked earlier about putting a bigger hole in the reactor building, but the -- they are trying to put nitrogen in there to dilute it.

(b)(5)

MR. CASTO: But the big thing is I think

(b)(5)

breached.

Now, whether they are X vessel or not, we don't know. And really I don't know that it matters all that much, except for the head that you would have to flood the reactor building, but we don't know if it's asbestos, but it appears with that steam still coming out it is. And IR shows that, too, they are -- you know, they have been continuously venting out there.

MR. NOAH: Okay. Refresh my memory, was Unit 2 the one where they had the, early on --

MR. CASTO: Yes.

MR. NOAH: -- had the funny noise?

1 MR. CASTO: Yes.

2 MALE PARTICIPANT: Exactly.

3 MR. CASTO: And then confirmed damage, but

4 (b)(5)

5

6 MALE PARTICIPANT: That was last Tuesday.

7 MR. CASTO: We didn't know if that was a 2

8 inch line or a 20 inch line or whatever it was.

9 MALE PARTICIPANT: Okay.

10 MR. CASTO: So it's likely that it did do

11 damage and that containment is breached. If that

12 steam keeps going, then you know it is.

13 MR. NOAH: Right.

14 MALE PARTICIPANT: You know, they had Jack

15 so excited I couldn't believe them.

16 MR. NOAH: Okay. So we will --

17

18 (b)(5)

19

20

21 MR. NOAH: We will pass that on to the

22 RST.

23 MR. CASTO: Thank you. Talk to you soon.

24 MR. NOAH: All right, Chuck, bye.

25 MR. CASTO: Bye.

1 (Conference call concluded.)

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1 (CONFERENCE CALL INITIATED)

2 2:45:24

3 OPERATIONS OFFICER: Brian McDermott

4 coming up on the ET conference, Brian McDermott.

5 MALE PARTICIPANT: Hey, Brian.

6 MR. McDERMOTT: Good morning.

7 MR. NOAH: Good morning, sir.

8 MR. McDERMOTT: All right. I am just

9 going to listen in for a little bit here as I'm

10 driving in to come up to speed again.

11 MR. NOAH: What are you going to listen

12 to? I'm confused.

13 MR. McDERMOTT: Whatever your discussion

14 is. Whoever it is you get called by for briefings,

15 etcetera.

16 MR. NOAH: You just want to hang in --

17 MR. McDERMOTT: I can.

18 MR. NOAH: -- and listen to us while you

19 are coming in to work?

20 MR. McDERMOTT: Yes. Can you believe

21 that?

22 MR. NOAH: It's been a pretty quiet night,

23 Brian.

24 MR. McDERMOTT: The news media is

25 reporting more smoke from Unit 3 and protective

1 actions in Tokyo.

2 MR. NOAH: True and true.

3 MR. McDERMOTT: Okay.

4 MR. NOAH: But we don't know the cause of

5 the smoke. And the -- we know that the degree of this

6 prediction was at least in water and leafy vegetables.

7 MR. McDERMOTT: Okay. So they really

8 reached levels that would get to protective actions

9 for water?

10 MELISSA: Well, what they said was that

11 they were restricting the water in Tokyo for infants.

12 MR. McDERMOTT: Okay.

13 MELISSA: So it has not reached the legal

14 limits for adults.

15 MR. McDERMOTT: Okay.

16 MELISSA: Just in infants right now.

17 MALE PARTICIPANT: They reported them as

18 two other tests versus Act 100, that's what they had.

19 MELISSA: I don't remember the number, but

20 it reached -- it has not reached the level for adults.

21 MR. McDERMOTT: One of the issues that is

22 kicking around here in the States relative to DA's

23 work with the interagency on updating the Protective

24 (b)(5)

25

1 [redacted]
2 (b)(5)
3
4 [redacted] rd,
5 (b)(5) ds,
6 did
7 you happen to hear which the Japanese were using?
8 MELISSA: No, we did not. They didn't
9 say, I don't think.
10 MR. McDERMOTT: Okay.
11 [redacted]
12 (b)(5)
13
14 MR. McDERMOTT: Sure.
15 MALE PARTICIPANT: I'm going to use this
16 opportunity to scour my notes.
17 MR. McDERMOTT: And the failing standard
18 in this country would be the 500 millirem for, you
19 know, food stuff.
20 MELISSA: Yes, right. Thank you. Hi,
21 what it says is it was measured at 210, which is twice
22 the limit for infants in downtown Tokyo.
23 MR. McDERMOTT: Okay.
24 MELISSA: Thank you.
25 MR. McDERMOTT: Are you all in the middle

1 of reviewing something?

2 MELISSA: Yes, the briefing case.

3 MR. McDERMOTT: Okay. That's what I was

4 going to ask about, did we settle out yesterday on the

5 products again that seem to kind of more -- when we

6 are doing the situation report, but then there was a

7 one page status that some puted talking points were

8 briefing the chairman, other people wanted to

9 distribute it to Congressional staffers and it kind of

10 went back and forth.

11 MELISSA: I don't think it has been

12 settled yet which one would be left behind with

13 Congressional staffers. I think that is still open

14 ended. That's when -- I think the decision was to

15 update the status of the one pager.

16 MALE PARTICIPANT: Jim was working on

17 cleaning up the multi-pager.

18 MR. McDERMOTT: Okay.

19 MELISSA: That meeting was --

20 MALE PARTICIPANT: That we share with the

21 staffers.

22 MELISSA: I don't think the final decision

23 has been made yet on that though.

24 MR. McDERMOTT: Okay.

25 MALE PARTICIPANT: Man, he's good. Not

1 only was he already doing it that way, he heard our
2 conversation.
3 MR. NOAH: So when we think out loud,
4 we've got to go easy on that.
5 MALE PARTICIPANT: One of the things I
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12 (b)(5)
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20 MELISSA: Is this the same thing that we
21 are sending?
22 MALE PARTICIPANT: It is not.
23 MELISSA: Okay.
24 MALE PARTICIPANT: Brian is not taking
25 advantage of your offer.

1 MELISSA: Okay. I'll help you.

2 MALE PARTICIPANT: Thank you.

3 MELISSA: Yes.

4 MALE PARTICIPANT: I obviously messed up.

5 MELISSA: Oh.

6 MALE PARTICIPANT: I just gave you the

7 wrong address.

8 MELISSA: We can fix that.

9 MALE PARTICIPANT: But it's not -- I'll

10 just award it to Tim. I have no luck with that.

11 MALE PARTICIPANT: That will be a change.

12 [redacted]

13

14

15 (b)(5)

16

17

18 Okay.

19 MALE PARTICIPANT: Now, do you want to

20 know how I do it? I put E in there and it goes to

21 you.

22 MALE PARTICIPANT: No, no.

23 [redacted]

24 (b)(5)

25

1 MALE PARTICIPANT: Two of them then?

2 MALE PARTICIPANT: Yes, we've got two of

3 them.

4 MALE PARTICIPANT: Thank you.

5 MALE PARTICIPANT: Well, I already have

6 mine.

7 MALE PARTICIPANT: Show off.

8 MALE PARTICIPANT: Oh, yes, yes, I guess

9 so.

10 MELISSA: How many copies would you like?

11 MALE PARTICIPANT: I just need one. And

12 mine can be in black and white.

13 MELISSA: I'll make it black and white for

14 you. You're welcome. Do you want it in color?

15 MALE PARTICIPANT: Please.

16 MALE PARTICIPANT: They should have their

17 guy on the ground in Tokyo. That was noted, I think.

18 MELISSA: I forget.

19 MALE PARTICIPANT: Should we wait until --

20 oh, it's in there now?

21 MELISSA: I just saw it.

22 MALE PARTICIPANT: Okay.

23 MELISSA: Oh, it's an INPO representative

24 gets them to arrive in Tokyo and train there.

25 MALE PARTICIPANT: 5:00 p.m.?

1 MELISSA: Okay. Jim, on the second page
2 I'll have that submitted and the representative is
3 scheduled to arrive at 5:00 p.m. Do you know if he
4 has arrived?
5 MALE PARTICIPANT: 5:00 p.m. No, I don't
6 know if he has arrived yet.
7 MELISSA: Okay.
8 MALE PARTICIPANT: That would have been --
9 MALE PARTICIPANT: An hour ago.
10 MALE PARTICIPANT: -- right.
11 MALE PARTICIPANT: It takes a while to get
12 from the airport.
13 MALE PARTICIPANT: And I also -- I made a
14 few other changes based on the feedback from the
15 Reactor Safety Team.
16 MALE PARTICIPANT: Any other communication
17 that we -- we haven't figured out how the pumping
18 system for the Japanese is in question. Although,
19 it's set to go.
20 MALE PARTICIPANT: It won't be long and
21 Jim will come in with the sit rep (phonetic) also,
22 which has some changes in it that are designed to make
23 it releasable downtown. I think some ETs have been --
24 I don't know if all of the ETs have been reviewing
25 that completely on this particular case. We might

1 want to take a look at it.

2 MALE PARTICIPANT: Is it color coded to

3 show the more extensive revision? Highlighted it?

4 MALE PARTICIPANT: It kind of got in the

5 mode of looking at the yellow highlighted --

6 MALE PARTICIPANT: I'll ask him when he

7 shows up.

8 MALE PARTICIPANT: Okay. It will help me

9 focus. It won't stop me from looking at it.

10 MELISSA: Now, do you want a copy of this

11 email?

12 MALE PARTICIPANT: Please.

13 MALE PARTICIPANT: Sure.

14 MELISSA: Here's the email.

15

16

17 (b)(5)

18

19

20 MELISSA: What?

21 MR. McDERMOTT: There is a difference

22 between how it is labeled and how you actually type it

23 if you write the whole address out.

24 MALE PARTICIPANT: How many times did you

25 get it? Rick just sent it to you recently. Did you

1 get a copy?

2 MELISSA: Which?

3 MALE PARTICIPANT: Probably the cc one.

4 So the way that -- a good way to do that is to click

5 (b)(5)

6 MELISSA: Oh, okay, got it.

7 MALE PARTICIPANT: And put that in the ET.

8 MELISSA: Got it. He is trying it. Got

9 it.

10 FEMALE PARTICIPANT: If I could have a

11 copy of that?

12 MELISSA: Just one?

13 FEMALE PARTICIPANT: Yes. I want to give

14 to Charles. Well, two, that would be good for

15 (inaudible). Thank you.

16 MELISSA: Sure.

17 MALE PARTICIPANT: That's on the list

18 then?

19 MALE PARTICIPANT: Yes.

20 MALE PARTICIPANT: So we have got the

21 action item to update to provide to the conference and

22 we'll entertain that shortly. Another one I don't

23 really need to bother you with. The RFC is developing

24 a description of something and I'll do that and you

25 heard discussed a little bit earlier. I haven't heard

about that action.

MALE PARTICIPANT: Are you going to give him a call after this or are you going to --

MELISSA: I have an 8:30 meeting with nuclear to talk about what you all have been talking about (inaudible).

MALE PARTICIPANT: Yes.

MELISSA: It's 3:00 with the chairman, then 3:30 with the team. 2:45 with the chairman to talk about (inaudible).

(b)(5)

MELISSA: Yes. Because that whole meeting is three or four hours and they come back and then again to see if they have come back.

MALE PARTICIPANT: All right, for your review.

MELISSA: I told the chairman of this one and he has it.

MALE PARTICIPANT: This is also (inaudible). Okay. This is it.

MELISSA: Thank you.

MALE PARTICIPANT: Draft for approval. These two documents that go on to (inaudible).

1 MALE PARTICIPANT: All right.

2 MELISSA: Yes.

3 MALE PARTICIPANT: Have Jim highlight and

4 what do we want to look at first? The briefing sheet?

5 MELISSA: Yes.

6 MALE PARTICIPANT: All right. I added

7 [redacted]

8 (b)(5)

9 have.

10 (Simultaneous talking.)

11 MALE PARTICIPANT: I believe they got that

12 when they had the call.

13 MELISSA: Okay.

14 MALE PARTICIPANT: Down in the fourth

15 [redacted]

16 (b)(5)

17

18 based on RPT comments.

19 Casto gave a brief description of John

20 Adam's email. The sit rep needs -- John Adams, myself

21 and Jim, we all sat down and with the goal of looking

22 at it for purposes of is release proper. And in

23 addition, Jim subsequently went around with the team

24 to get their comments after that.

25 Certain things, like if something was

deleted, it's not showing up there as being deleted, but highlighted in yellow are the frequent changes.

(b)(5)

a new category of power.

MELISSA: Oh, okay.

MALE PARTICIPANT: We are -- I told Jim that we were, at least in this particular update,

(b)(5)

being the NRC team on the ground.

MALE PARTICIPANT: Yes, but they are getting their information at TEPCO. Instead of a promotor, somebody --

MALE PARTICIPANT: Just the way it's worded, it might imply the level of strength of the precision or power.

FEMALE PARTICIPANT: So it must be whatever it is --

MALE PARTICIPANT: Can we -- the problem we are getting pretty much from TEPCO, I would say.

MALE PARTICIPANT: Right.

MALE PARTICIPANT: Can we say NRC team via TEPCO?

MALE PARTICIPANT: Yes. I think that would be better as opposed to duplicating the impression that we really have created that. So there

(b)(5)

MALE PARTICIPANT: Yes. We are pretty sure it comes from TEPCO.

MALE PARTICIPANT: I think that would be the approach, especially where we are quoting 14.5 ESIG, that's just the level of precision then.

MALE PARTICIPANT: Right. But I think -- is your question answered?

MALE PARTICIPANT: Yes. I think he agreed that, you know, there is a difference between some information that is definitely specifically developed by the NRC team and so there is data that you are getting for that.

MALE PARTICIPANT: I'll call you back on that same number.

MALE PARTICIPANT: All right.

MALE PARTICIPANT: You know, under Unit 3 would be one example where, you know, we previously said fuel likely uncovered significant damage and they

1 watered it down to save fuel and covered it up.

2 FEMALE PARTICIPANT: (Inaudible). In

3 other words, it was like the (inaudible).

4 MALE PARTICIPANT: You're referring to

5 Unit 5 and 7?

6 FEMALE PARTICIPANT: Yes.

7 MALE PARTICIPANT: That was the --

8 FEMALE PARTICIPANT: Sort of the locations

9 of it.

10 MALE PARTICIPANT: I didn't have any

11 information with the specifics of that.

12 FEMALE PARTICIPANT: Okay.

13 MALE PARTICIPANT: I'll have to track it

14 down.

15 MALE PARTICIPANT: Yes, we probably right

16 now --

17 MALE PARTICIPANT: I presume they were off

18 the team, based on something that I have heard.

19 FEMALE PARTICIPANT: The same like power,

20 but they have gotten the outside power, too, so they

21 are staying at velocities that are -- maybe they have

22 gotten, you know, (inaudible).

23 MALE PARTICIPANT: How about for the

24 purposes of this update, we'll have to make that a

25 tasker to try to add clarity.

1 MALE PARTICIPANT: We will have that
2 shortly. Shortly, we will have that clarity, yes.
3 FEMALE PARTICIPANT: Okay.
4 MALE PARTICIPANT: Thank you.
5 FEMALE PARTICIPANT: Okay.
6 (Conference call concluded.)
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1 (CONFERENCE CALL INITIATED)

2 3:17:26

3 MALE PARTICIPANT: Do you have the action

4 item to discuss for INPO and other folks?

5 MALE PARTICIPANT: Yes.

6 FEMALE PARTICIPANT: Something about you

7 will look at the provost, because apparently they have

8 more --

9 MALE PARTICIPANT: All right.

10 MALE PARTICIPANT: I think we can get

11 quite a picture on this.

12 FEMALE PARTICIPANT: And that's number 68?

13 MALE PARTICIPANT: Yes. Going through the

14 ops center.

15 FEMALE PARTICIPANT: Any other one?

16 MALE PARTICIPANT: See what other updates

17 we could get the team.

18 FEMALE PARTICIPANT: And you want me to

19 do?

20 MALE PARTICIPANT: I believe so.

21 MALE PARTICIPANT: We've got a lot of

22 things open here.

23 MALE PARTICIPANT: I like the way you

24 wrote up the fax, that's good.

25 FEMALE PARTICIPANT: And the other one to

1 come out is just blasting, taking things off the
2 bottom of the tray.
3 MALE PARTICIPANT: Are we done here?
4 MALE PARTICIPANT: I can --
5 MALE PARTICIPANT: That line is not clear.
6 MALE PARTICIPANT: Okay.
7 MALE PARTICIPANT: Let's see including the
8 NRC, we assembled a monthly look at the applicable PAG
9 in the context.
10 MALE PARTICIPANT: Yes, in the context of
11 how chronic it is.
12 MALE PARTICIPANT: Chronic exposure.
13 MALE PARTICIPANT: Yes, it's trying to
14 convey.
15 FEMALE PARTICIPANT: Well, I think what
16 it's trying to convey is that --
17 MALE PARTICIPANT: Flowing so long.
18 FEMALE PARTICIPANT: -- the fact --
19 MALE PARTICIPANT: Yes.
20 FEMALE PARTICIPANT: Right? It can sense
21 we have (inaudible), the fact that he came
22 (inaudible).
23 MALE PARTICIPANT: Right, yes. It's
24 periodic and team, yes.
25 MALE PARTICIPANT: And you could even say

1 and potentially over a longer time frame, that makes
2 15 PAGs.
3 FEMALE PARTICIPANT: Right. Because I
4 think that was related to power.
5 MALE PARTICIPANT: Right.
6 FEMALE PARTICIPANT: And taking it into
7 account.
8 MALE PARTICIPANT: Yes, I think
9 specifically if this is a lead time somewhere.
10 FEMALE PARTICIPANT: Yes.
11 MALE PARTICIPANT: Yes.
12 MALE PARTICIPANT: It just needs to be in
13 plain English. Does that make sense?
14 (Conference call concluded.)
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1 (CONFERENCE CALL INITIATED)

2 3:22:52

3 MR. VOGER: It's Bruce. All right. It

4 looks like you've got the main changes in dispatch and

5 I'll send you the file.

6 MELISSA: Are you going home after this?

7 MR. VOGER: Yes. Thank you very much.

8 MELISSA: Okay. Thank you.

9 (Conference call concluded.)

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1 (CONFERENCE CALL INITIATED)

2 3:23:56

3 MALE PARTICIPANT: NRC and TEPCO,

4 technically, it's TEPCO.

5 MALE PARTICIPANT: Oh, yes. Technically,

6 that's correct, yes, and more accurate.

7 MALE PARTICIPANT: Right.

8 MALE PARTICIPANT: And better.

9 MALE PARTICIPANT: Yes.

10 MALE PARTICIPANT: You're welcome.

11 (Conference call concluded.)

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1 (CONFERENCE CALL INITIATED)

2 3:25:35

3 MALE PARTICIPANT: Just report to the CAM

4 in the morning. Report to the CAM.

5 MALE PARTICIPANT: Cover that up.

6 MR. NOAH: I knew that would happen

7 actually.

8 FEMALE PARTICIPANT: It's not working out

9 yet.

10 MR. NOAH: Brian, I broke the -- sorry.

11 MR. McDERMOTT: It's okay. We will send

12 you the bill. I'm in the building now. I'll be up in

13 a few minutes.

14 MR. NOAH: So then you have ID?

15 MR. McDERMOTT: See ya.

16 MALE PARTICIPANT: At about 1:00 in the

17 morning. We looked at it yesterday.

18 MALE PARTICIPANT: The first one.

19 MALE PARTICIPANT: Right.

20 MALE PARTICIPANT: Kind to us.

21 MALE PARTICIPANT: Yes.

22 MALE PARTICIPANT: I'm looking at it.

23 MALE PARTICIPANT: It really is the

24 thousand dollar question.

25 MALE PARTICIPANT: The answer would be --

1 that of course is the chairman putting (inaudible).
2 So it's really part of the assigned line organization.
3 MALE PARTICIPANT: Right, exactly.
4 MALE PARTICIPANT: With Charlie Noah.
5 MALE PARTICIPANT: Okay.
6 MALE PARTICIPANT: I can buy into that.
7 FEMALE PARTICIPANT: Tell me about the
8 (b)(5).
9 MALE PARTICIPANT: (b)(5)
10 FEMALE PARTICIPANT: (b)(5) I don't have
11 that one. Call me.
12 MALE PARTICIPANT: They reassigned that.
13 FEMALE PARTICIPANT: Okay. It's
14 reassigned to?
15 MALE PARTICIPANT: Well, it's -- what we
16 can do is find a way to --
17 FEMALE PARTICIPANT: Do you have a
18 description?
19 MALE PARTICIPANT: Try to determine, you
20 know.
21 FEMALE PARTICIPANT: Chuck, from the
22 beginning or at the end?
23 MR. CASTO: That's the description to what
24 we should do is there is a critical point and we'll
25 put it in the update, what their response is.

1 FEMALE PARTICIPANT: Yes. Okay.

2 (Simultaneous talking.)

3 MALE PARTICIPANT: There is a response

4 there. Here are the two things that we need.

5 FEMALE PARTICIPANT: Okay.

6 MALE PARTICIPANT: If you can put in the

7 response reassigned to the line (inaudible).

8 FEMALE PARTICIPANT: Let's do it.

9 MALE PARTICIPANT: Yes. Iodine in the tap

10 water.

11 FEMALE PARTICIPANT: And it's twice the

12 limit for infants, right?

13 MALE PARTICIPANT: Yes.

14 FEMALE PARTICIPANT: And you're saying it

15 (inaudible).

16 MALE PARTICIPANT: Yes.

17 MALE PARTICIPANT: I'm checking.

18 FEMALE PARTICIPANT: All right. So we can

19 be certain about that. And that was (inaudible) top

20 priority, official.

21 MALE PARTICIPANT: That is per diem. The

22 long-term objective is direct. Steve Miller.

23 MALE PARTICIPANT: Did you turn it up a

24 little?

25 MALE PARTICIPANT: Yes.

1 MALE PARTICIPANT: Okay.

2 MALE PARTICIPANT: Something came in over

3 night related to the thermal (inaudible) jets. There

4 is an analysis. If they have those, somebody will get

5 them.

6 MALE PARTICIPANT: Okay.

7 MALE PARTICIPANT: We'll look at it when

8 we have time.

9 MALE PARTICIPANT: You can look at that.

10 MALE PARTICIPANT: Yes.

11 FEMALE PARTICIPANT: Another call?

12 MALE PARTICIPANT: It will be relatively -

13 -

14 FEMALE PARTICIPANT: Oh, one week? Okay.

15 MALE PARTICIPANT: Oh, no, that's the like

16 reconnected and we can complete it.

17 MALE PARTICIPANT: So see what you are

18 doing is you are closing it out on this system.

19 FEMALE PARTICIPANT: Oh, okay.

20 MALE PARTICIPANT: Leaving the operations

21 center.

22 FEMALE PARTICIPANT: Oh.

23 MALE PARTICIPANT: I need you to also

24 contact -- I'll find a way of sending it out --

25 FEMALE PARTICIPANT: Exactly.

1 MALE PARTICIPANT: -- to some of the
2 others.
3 (Simultaneous talking.)
4 FEMALE PARTICIPANT: What do I need, just
5 to send the whole thing?
6 MALE PARTICIPANT: It's under Japan where
7 they meet their (inaudible).
8 MALE PARTICIPANT: Is Tony Pietrangelo
9 going to come in later today?
10 MELISSA: I don't know when she comes in.
11 MALE PARTICIPANT: Okay.
12 FEMALE PARTICIPANT: What was the number
13 again?
14 MALE PARTICIPANT: I don't remember.
15 FEMALE PARTICIPANT: Did I put it away?
16 There is no attachment. Do you have a copy?
17 MALE PARTICIPANT: I'm trying to help you
18 out here.
19 (Conference call concluded.)
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1 (CONFERENCE CALL INITIATED)

2 3:35:25

3 MALE PARTICIPANT: I mean, I consider that

4 one with explanation, but I can't answer yes.

5 MALE PARTICIPANT: Okay.

6 MALE PARTICIPANT: Yes. Who is the

7 country on that?

8 MALE PARTICIPANT: Somebody got a name on

9 it.

10 FEMALE PARTICIPANT: I have no clue.

11 MALE PARTICIPANT: Which one? The RD one?

12 MALE PARTICIPANT: Yes, yes, that's --

13 that one. No, it's in the back.

14 MALE PARTICIPANT: Oh.

15 MALE PARTICIPANT: So we can't finish it,

16 because this is tucked into something from the last

17 deputy's meeting. And this is a -- well, you can read

18 what it says, but this sounds like our tasking at the

19 moment.

20 MALE PARTICIPANT: Yes.

21 MALE PARTICIPANT: I agree.

22 MALE PARTICIPANT: So when we are tasking

23 and it goes out --

24 MALE PARTICIPANT: There is your answer.

25 MALE PARTICIPANT: -- then tying that to

1 our recent legwork, right?

2 MALE PARTICIPANT: Right.

3 MALE PARTICIPANT: We can't close it yet.

4 MALE PARTICIPANT: Are you talking about

5 the tasking memo?

6 MALE PARTICIPANT: Who sends out the

7 tasking memo? Is that the SRM Director?

8 MALE PARTICIPANT: Yes. What we're coming

9 out with is the airman fighting to --

10 MALE PARTICIPANT: Okay.

11 MALE PARTICIPANT: The SRM would then say

12 this is the staff go-to.

13 MALE PARTICIPANT: That definitely would

14 work, too.

15 MALE PARTICIPANT: Yes.

16 MALE PARTICIPANT: We were thinking about

17 returning it to Charlie Miller who --

18 MALE PARTICIPANT: I was thinking about

19 send it to Nelson and -- the task memo.

20 MALE PARTICIPANT: That's obviously the

21 way to go.

22 MALE PARTICIPANT: Okay.

23 MALE PARTICIPANT: You can do it that way,

24 too. Thank you.

25 MALE PARTICIPANT: All right.

1 MALE PARTICIPANT: So did I lose the first
2 person?
3 FEMALE PARTICIPANT: Can I use the --
4 MALE PARTICIPANT: We can use that.
5 MALE PARTICIPANT: So here is what we're
6 going to decide to do. We are going to actually send
7 these out.
8 FEMALE PARTICIPANT: The description?
9 MALE PARTICIPANT: Yes, because we are not
10 going to update it. We'll kind of essentially wait
11 until the SRM issues it and we'll close out later.
12 FEMALE PARTICIPANT: Good morning.
13 MALE PARTICIPANT: Good morning.
14 FEMALE PARTICIPANT: Okay. Now --
15 MALE PARTICIPANT: How is everybody today?
16 FEMALE PARTICIPANT: -- can we go get the
17 (inaudible)?
18 MALE PARTICIPANT: Great. How's the team
19 in Japan?
20 MALE PARTICIPANT: They were thinking --
21 MALE PARTICIPANT: They were all occupied.
22 MALE PARTICIPANT: Kind of on their own
23 now?
24 MALE PARTICIPANT: They have got some
25 sleep, I can tell.

1 MALE PARTICIPANT: The sushi is not
2 wearing off on them? I wonder what kind of fruit they
3 have.
4 MALE PARTICIPANT: I don't know.
5 MALE PARTICIPANT: Sounds pretty good.
6 MALE PARTICIPANT: No contaminate --
7 MALE PARTICIPANT: Right, right.
8 MALE PARTICIPANT: So I heard coming in
9 that they gave an advisory to the children in Tokyo
10 not to drink the water.
11 MALE PARTICIPANT: Don't use the water to
12 make the synthetic milk.
13 MALE PARTICIPANT: Yes, formula.
14 MALE PARTICIPANT: I guess they got some
15 reading.
16 MALE PARTICIPANT: The sad thing --
17 FEMALE PARTICIPANT: Well, what happened
18 was (inaudible).
19 MALE PARTICIPANT: We thought of it.
20 MALE PARTICIPANT: Yes.
21 MALE PARTICIPANT: Because we're so back
22 and forth in reading the closed and back calculating
23 and --
24 FEMALE PARTICIPANT: Thank you.
25 MALE PARTICIPANT: Is there still smoke

1 coming out of Unit 3 this morning?

2 MALE PARTICIPANT: Yes.

3 MALE PARTICIPANT: We did a couple of

4 things on --

5 MALE PARTICIPANT: Did you get the DVD?

6 MALE PARTICIPANT: -- getting ready for

7 the morning.

8 MALE PARTICIPANT: Okay. Good.

9 MALE PARTICIPANT: Yes, good.

10 MALE PARTICIPANT: All right. The SRM --

11 MALE PARTICIPANT: Who has -- well --

12 FEMALE PARTICIPANT: The SRM has issued --

13 MALE PARTICIPANT: Things that happen.

14 MALE PARTICIPANT: Oh, okay.

15 MALE PARTICIPANT: Just so we have a hard

16 copy of it.

17 MALE PARTICIPANT: That's what you got.

18 MALE PARTICIPANT: Great.

19 MALE PARTICIPANT: We have a copy. We

20 don't need two.

21 MALE PARTICIPANT: Right.

22 MALE PARTICIPANT: It will give you an

23 idea of what --

24 MALE PARTICIPANT: Are these things going

25 through the ET? I'm seeing more traffic to the

1 chairman. I don't know if it's going through the ET.

2 FEMALE PARTICIPANT: Sometimes.

3 MALE PARTICIPANT: But they may have been

4 approved by the ET.

5 MALE PARTICIPANT: Yes. We briefed that.

6 We had taken that approach to have the ET Director

7 send that.

8 MALE PARTICIPANT: Okay.

9 MALE PARTICIPANT: But we were doing that.

10 MALE PARTICIPANT: I know yesterday like

11 you were calling the PMT Director to check in

12 (inaudible). But let's hope we don't start

13 forgetting.

14 FEMALE PARTICIPANT: Okay.

15 MALE PARTICIPANT: Yes.

16 FEMALE PARTICIPANT: Right.

17 MALE PARTICIPANT: Okay. Team, just go do

18 your thing, you know, because there would be a cause

19 to that.

20 MALE PARTICIPANT: Right. It's through

21 the deputy's meeting?

22 MALE PARTICIPANT: Right.

23 MALE PARTICIPANT: Well, we're staying on

24 that path. We have also gotten the two buses

25 situated, two Gs and then the --

1 MALE PARTICIPANT: Right. I saw that this
2 morning.
3 MALE PARTICIPANT: Okay. So that's the
4 hard copy.
5 MALE PARTICIPANT: So we are holding fast
6 to 50 miles evacuation. There is no additional
7 protective action.
8 MALE PARTICIPANT: We recognize that there
9 are some -- that it is different. But we are willing
10 to participate in the further discussion, rather than
11 just kind of decide to change patterns.
12 MALE PARTICIPANT: If they do set up a new
13 team, to have that discussion --
14 MALE PARTICIPANT: Yes.
15 FEMALE PARTICIPANT: -- we would be happy
16 to participate.
17 MALE PARTICIPANT: But after that, we
18 don't feel it's a basis for --
19 MALE PARTICIPANT: Right.
20 MALE PARTICIPANT: -- change.
21 MALE PARTICIPANT: Okay.
22 MALE PARTICIPANT: All right. And my
23 strategy is kind of odd. Are you talking about the --
24 MALE PARTICIPANT: Yes, the ET.
25 MALE PARTICIPANT: ET assessment.

1 MALE PARTICIPANT: Yes.

2 MALE PARTICIPANT: Information.

3 MALE PARTICIPANT: That's not quite it.

4 MALE PARTICIPANT: The team.

5 MALE PARTICIPANT: Yes, that's fine. And

6 relevant to -- but if you are representing

7 (inaudible).

8 MALE PARTICIPANT: I think so.

9 MALE PARTICIPANT: Find out that

10 (inaudible) get (b)(4) to do that. In the meantime, DOE

11 was doing an analysis. And that analysis was

12 (inaudible).

13 MALE PARTICIPANT: We moved on past the

14 one column.

15 MALE PARTICIPANT: Okay.

16 MALE PARTICIPANT: Basically, because one

17 (b)(5)

18 MALE PARTICIPANT: Right.

19 MALE PARTICIPANT: We saw another email on

20 that.

21 MALE PARTICIPANT: We did.

22 MALE PARTICIPANT: Okay. Well, then I'm -

23 -

24 MALE PARTICIPANT: No, no, it's fine.

25 MALE PARTICIPANT: Here is the analysis.

1 MALE PARTICIPANT: And we can't track or I
2 (b)(5)
3 of it either. I'm not sure where they are talking
4 about.
5 MALE PARTICIPANT: Wow. So much for
6 (b)(5)
7
8 share the report. We have a lot of creative minds now
9 focused on this issue, so --
10 MALE PARTICIPANT: Yes.
11 MALE PARTICIPANT: -- any number of these
12 will probably take --
13 MALE PARTICIPANT: I think what should
14 have --
15 (Simultaneous speaking.)
16 MALE PARTICIPANT: -- sent me the notion
17 (b)(5)
18 and send it to TEPCO and in turn have the Government's
19 position.
20 MALE PARTICIPANT: Yes, yes.
21 MALE PARTICIPANT: Fun day, right?
22 MALE PARTICIPANT: Yes. Then we got this.
23 Tentatively, we are really not sure. We've got
24 (b)(5)
25

1 (b)(5)

2

3 MALE PARTICIPANT: Wow.

4 MALE PARTICIPANT: Is that private sector

5 or government?

6 MALE PARTICIPANT: It's the sense that

7 they -- no, this is -- the communication seems to be -

8 -

9 MALE PARTICIPANT: Administrative defense?

10 MALE PARTICIPANT: -- defense, MOD

11 somewhere.

12 MALE PARTICIPANT: Yes.

13 MALE PARTICIPANT: So I don't know what --

14 MALE PARTICIPANT: (b)(5) Holy cow.

15 MALE PARTICIPANT: It lays out the three

16 points of (inaudible). This one might be the one that

17 they have been talking about sending to TEPCO.

18 MALE PARTICIPANT: Yes.

19 MALE PARTICIPANT: Function, function

20 covers.

21 MALE PARTICIPANT: Pretty essential.

22 FEMALE PARTICIPANT: I would say. It

23 sounds like they are talking about the reactor.

24 MALE PARTICIPANT: Yes, that's been

25 covered. Treated and solved in the remaining reactor.

1 MALE PARTICIPANT: Wow.

2 MALE PARTICIPANT: Your time and checks

3 are operable, right? I mean, they have a (inaudible)?

4 MALE PARTICIPANT: Yes, right. Sally,

5 they have Emanuel Howard (phonetic).

6 MALE PARTICIPANT: They do now.

7 MALE PARTICIPANT: They do now.

8 MALE PARTICIPANT: Are the diegals

9 (phonetic) off balance?

10 MALE PARTICIPANT: I am sure I saw that

11 somewhere and then we couldn't confirm.

12 MALE PARTICIPANT: Well, I saw they had AC

13 power off-site, so but --

14 MALE PARTICIPANT: And the unit tripped.

15 FEMALE PARTICIPANT: Right.

16 MALE PARTICIPANT: The EG could be

17 available. We might as well have this arranged.

18 MALE PARTICIPANT: Yes. That's what it

19 says off-site electrical power, RHR providing. Maybe

20 I do have the wrong one there.

21 MALE PARTICIPANT: Okay. So what's our

22 team doing with this?

23 MALE PARTICIPANT: I don't know.

24 MALE PARTICIPANT: Oh.

25 MALE PARTICIPANT: I didn't talk to Chuck

1 about that.

2 MALE PARTICIPANT: Okay. They are aware

3 of it?

4 MALE PARTICIPANT: Yes, and RFC has it.

5 Chuck is meeting with Admiral Ward and Ambassador

6 Ruche (phonetic) tomorrow.

7 MALE PARTICIPANT: Tomorrow, right.

8 MALE PARTICIPANT: In two primary areas of

9 interest. One was clarification on access to get to

10 their command centers. Marty was mentioning that they

11 have access, but it's not easy.

12 MALE PARTICIPANT: Right.

13 MALE PARTICIPANT: Chuck got that one.

14 The other was the fact of the organizational lay

15 logical assessments.

16 MALE PARTICIPANT: Right, right.

17 MALE PARTICIPANT: Part of that, other

18 than the RADs and --

19 MALE PARTICIPANT: Right.

20 MALE PARTICIPANT: I know we are helping

21 to generating a role for Chuck to help him out on

22 that.

23 MALE PARTICIPANT: Okay.

24 MALE PARTICIPANT: Because according to

25 this, he wasn't the primary guy.

1 MALE PARTICIPANT: For the briefing?

2 MALE PARTICIPANT: Right. That was Marty.

3 MALE PARTICIPANT: The coupon says

4 resubmit.

5 MALE PARTICIPANT: Who?

6 MALE PARTICIPANT: Somebody named Troy.

7 MALE PARTICIPANT: Well, I'm glad he

8 wasn't listening. The email, I couldn't see that.

9 MALE PARTICIPANT: Come over here and my

10 data is --

11 MALE PARTICIPANT: So this is being done

12 by the teleconference, right?

13 MALE PARTICIPANT: No. This is a briefing

14 of the ambassador.

15 MALE PARTICIPANT: Yesterday, we

16 understood Willard was in Hawaii.

17 MALE PARTICIPANT: Today we heard that

18 Willard and Asher were going to do a fly-over.

19 MALE PARTICIPANT: Oh, really?

20 MALE PARTICIPANT: Not of the reactor, but

21 of some of the areas that were impacted.

22 MALE PARTICIPANT: Oh.

23 MALE PARTICIPANT: He will have

24 (inaudible) with him, doesn't mean anything.

25 MALE PARTICIPANT: Because we were

1 questioning whether we are going to be plugged into
2 that briefing when it happens. And we were expecting
3 to see slides some time. And the question was whether
4 we should be drafting slides for Chuck's use or is
5 Chuck drafting them?
6 MALE PARTICIPANT: We were just informed
7 there were points for Chuck to use on the second item
8 figuring that he had the first -- or I'm sorry. On
9 the first item and figured he had what was needed with
10 regard to actual coordination.
11 MALE PARTICIPANT: All right. This chart
12 means?
13 MALE PARTICIPANT: They give this version.
14 I still don't know everything.
15 MALE PARTICIPANT: Yes.
16 MALE PARTICIPANT: It's in the circle.
17 MALE PARTICIPANT: Yes.
18 MALE PARTICIPANT: So this is the 2:15
19 meeting.
20 MALE PARTICIPANT: Thursday.
21 FEMALE PARTICIPANT: Okay.
22 MALE PARTICIPANT: That's a Thursday.
23 What's today? Wednesday. So tomorrow.
24 MALE PARTICIPANT: Yes. So it will be at
25 1:15 in the morning, our time?

1 MALE PARTICIPANT: It may be another day.
2 (Simultaneous talking.)
3 MALE PARTICIPANT: You may get to
4 participate.
5 MALE PARTICIPANT: Yes. When you're back
6 from the hotel, DOE and the robotics rip out the
7 system.
8 MALE PARTICIPANT: That was -- go up and
9 sit in.
10 MALE PARTICIPANT: I sent out a couple of
11 notes to get the ball rolling.
12 MALE PARTICIPANT: Okay.
13 MALE PARTICIPANT: On the layout here.
14 MALE PARTICIPANT: Yes.
15 MALE PARTICIPANT: Hopefully, Sandy will -
16 -
17 MALE PARTICIPANT: And has our team have
18 this?
19 MALE PARTICIPANT: Yes, yes.
20 MALE PARTICIPANT: Are we doing any review
21 of this stuff or this is just the final product that
22 is shared and everything?
23 MALE PARTICIPANT: Shared, yes.
24 MALE PARTICIPANT: We can do it in the
25 early morning.

1 MALE PARTICIPANT: Yes.

2 MALE PARTICIPANT: Okay. 8:00. The

3 potential things that are available through DOE or

4 (inaudible).

5 MALE PARTICIPANT: Holy cow, it's like

6 another language.

7 MALE PARTICIPANT: Yes.

8 MALE PARTICIPANT: Two kinetic columns.

9 FEMALE PARTICIPANT: Right.

10 (b)(5)

11

12

13

14

15

16

17

18

19 MALE PARTICIPANT: Picture them --

20 MALE PARTICIPANT: Oh, yes.

21 MALE PARTICIPANT: -- earlier.

22 MALE PARTICIPANT: That's the smoke.

23 FEMALE PARTICIPANT: Yes. As far as I

24 know, yes, the same thing coming off.

25 MALE PARTICIPANT: Right.

1 FEMALE PARTICIPANT: It happens.
2 Something about the (inaudible).
3 MALE PARTICIPANT: We know that they are
4 (b)(5)
5
6 MALE PARTICIPANT: Right.
7 MALE PARTICIPANT: The same thing.
8 (Simultaneous talking.)
9 MALE PARTICIPANT: Right, right, yes.
10 MALE PARTICIPANT: We don't know whether
11 the employees tried to get --
12 MALE PARTICIPANT: Yes, right.
13 MALE PARTICIPANT: -- issued that.
14 MALE PARTICIPANT: Well, I heard yesterday
15 that they were measuring, but --
16 MALE PARTICIPANT: You actually heard that
17 they were measuring?
18 MALE PARTICIPANT: Yes, we had picked up
19 on that. We had heard.
20 MALE PARTICIPANT: Okay. So people are
21 able to get around somewhat then.
22 MALE PARTICIPANT: Yes, yes. Everything
23 was grounded out, so it wasn't very --
24 MALE PARTICIPANT: I think they had an
25 explosion or two.

1 MALE PARTICIPANT: Yes. And people are --
2 there is detergent, mud and sand and --
3 MALE PARTICIPANT: Salt water.
4 MALE PARTICIPANT: Yes, right. A lot of
5 problems.
6 MALE PARTICIPANT: Yes.
7 MALE PARTICIPANT: Do we have one out at -
8 -
9 MALE PARTICIPANT: No, they were -- that
10 happened at 1:00.
11 MALE PARTICIPANT: So we are doing this
12 now three times a day?
13 MALE PARTICIPANT: Yes, yes.
14 MALE PARTICIPANT: In advance of the
15 chairman's briefing. Oh, it will be back 6,000 times.
16 MALE PARTICIPANT: Could you check on some
17 semblance of normality today because of the schedule
18 now?
19 MALE PARTICIPANT: What they are planning
20 today.
21 MALE PARTICIPANT: The schedule.
22 MALE PARTICIPANT: So that's the schedule
23 today.
24 MALE PARTICIPANT: Yes.
25 MALE PARTICIPANT: Or tomorrow.

1 MALE PARTICIPANT: I don't see it.

2 MALE PARTICIPANT: I think it's just a

3 typical daily schedule.

4 (Simultaneous speaking.)

5 MALE PARTICIPANT: We didn't figure out,

6 because that didn't happen with the other ones.

7 MALE PARTICIPANT: Okay.

8 FEMALE PARTICIPANT: You think you're

9 going on and on and on and what you really go on --

10 MALE PARTICIPANT: So they met with

11 members of the cabinet.

12 MALE PARTICIPANT: Yes.

13 MALE PARTICIPANT: Members of the

14 (inaudible).

15 MALE PARTICIPANT: All levels.

16 MALE PARTICIPANT: Yes.

17 FEMALE PARTICIPANT: They talked about at

18 8:00.

19 MALE PARTICIPANT: Well, we are getting a

20 lot of department --

21 MALE PARTICIPANT: And you heard that the

22 first pumping equipment came in an early shipment?

23 MALE PARTICIPANT: Yes.

24 MALE PARTICIPANT: Now, I understand why

25 now.

MALE PARTICIPANT: Okay.

MALE PARTICIPANT: Basically, the -- it was so large that they couldn't fit it all on. There is a picture over there that --

MALE PARTICIPANT: Yes, great picture.

MALE PARTICIPANT: Look at the back of it.

MALE PARTICIPANT: I think Public Affairs is working with the embassy of Japan to develop some press about that. Now, the issue with that, as you

(b)(5)

MALE PARTICIPANT: Right. So that leads to -- now, that's the pump at the air force station until further notice.

MALE PARTICIPANT: Okay. That means having accessories.

MALE PARTICIPANT: They won't have the whole system and so on until tomorrow.

MALE PARTICIPANT: Okay.

FEMALE PARTICIPANT: They will have tomorrow?

MALE PARTICIPANT: I think they want the pump. Because I joined a discussion and we just ended where they wanted gas -- or to pour water into the --

MALE PARTICIPANT: Oh.

1 MALE PARTICIPANT: -- reactor.

2 MALE PARTICIPANT: Yes.

3 MALE PARTICIPANT: This is your latest
4 status comments from teams. Make sure your Japanese
5 and your eyes are pretty good.

6 MALE PARTICIPANT: Yes.

7 MALE PARTICIPANT: The one thing that I --
8 that struck me on this whole thing is that TEPCO wants
9 the helicopter to fly-over the (inaudible).

10 (Simultaneous talking.)

11 MALE PARTICIPANT: 300.

12 MALE PARTICIPANT: Yes, there is a lot of
13 injury.

14 MALE PARTICIPANT: Yes.

15 MALE PARTICIPANT: And the lack of sleep,
16 you know. We got into a big debate with the team
17 yesterday morning as they were talking to Beth,
18 because we were saying, you know, well, we think it's
19 better now. And they were like whoa, whoa, you know.

20 MALE PARTICIPANT: Okay.

21 MALE PARTICIPANT: Kind of drilled us
22 back, pushing to have (inaudible) that we know or
23 don't know.

24 MALE PARTICIPANT: Yes.

25 MALE PARTICIPANT: Chuck also made special

1 (inaudible).

2 MALE PARTICIPANT: His team work was that

3 (inaudible) talked about that.

4 MALE PARTICIPANT: He has got a new

5 agenda.

6 MALE PARTICIPANT: Called accumulation.

7 (Simultaneous speaking.)

8 FEMALE PARTICIPANT: That's what they

9 said. And that's really the INPO integrity.

10 (Multiple people speaking.)

11 MALE PARTICIPANT: (Inaudible).

12 MALE PARTICIPANT: We had to go -- 60 over

13 (inaudible). They are using a program that we used

14 here that sends parts (inaudible).

15 MALE PARTICIPANT: Okay.

16 MALE PARTICIPANT: We got one that is

17 coming up here.

18 MALE PARTICIPANT: Okay. So we are

19 getting the (inaudible) here.

20 MALE PARTICIPANT: One is a really good

21 one that you can actually zoom way down on it.

22 MALE PARTICIPANT: There are 15 megabyte

23 pictures in high resolution that we have, which we

24 believe uncovered (inaudible).

25 MALE PARTICIPANT: Well, that's one of

1 them, but you can zoom almost right down onto the
2 unit.
3 MALE PARTICIPANT: Yes.
4 MALE PARTICIPANT: You reviewed it?
5 MALE PARTICIPANT: Yes.
6 MALE PARTICIPANT: Already approved?
7 MALE PARTICIPANT: Approved as
8 (inaudible).
9 MALE PARTICIPANT: Yes. Well, here, when
10 I read that, based on being involved in the discussion
11 (b)(5)
12
13 MALE PARTICIPANT: Their team doesn't have
14 access.
15 MALE PARTICIPANT: The data that -- are
16 being collected by DOE. That discussion is involved
17 (b)(5)
18
19 MALE PARTICIPANT: All right.
20 MALE PARTICIPANT: It turned out that
21 there was main guys asking about it.
22 MALE PARTICIPANT: Wow. Look at that.
23 MALE PARTICIPANT: The comment was NRC
24 (inaudible).
25 MALE PARTICIPANT: You'll make the roof

1 collapse.

2 MALE PARTICIPANT: That's what that looks

3 like.

4 MALE PARTICIPANT: Yes.

5 MALE PARTICIPANT: We looked at it.

6 MALE PARTICIPANT: Thank you.

7 MALE PARTICIPANT: The integrity of one or

8 both.

9 MALE PARTICIPANT: Yes.

10 MALE PARTICIPANT: Well, that's Unit 1.

11 MALE PARTICIPANT: Okay.

12 MALE PARTICIPANT: How do we know what is

13 going on in either one of them?

14 MALE PARTICIPANT: So that logic may have

15 been extended to, therefore, (inaudible) to be able to

16 handle that.

17 MALE PARTICIPANT: You know, it's day-to-

18 day, TMI, interim quad cities and we'll review that

19 data. We have to figure out where in the plant. And

20 then they don't have the say to do the analysis for

21 that kind of thing.

22 MALE PARTICIPANT: Right.

23 MALE PARTICIPANT: No, this is -- this is

24 the one -- one of our (inaudible) starting the report

25 detection of elevated iodine or whatever.

1 FEMALE PARTICIPANT: Exactly.

2 MALE PARTICIPANT: And right off the
3 resolution, what they expect is going to happen is
4 OSCE is going to get a couple of hits and they are
5 going to say help, you know, what do we do with this?

6 MALE PARTICIPANT: DOE through the FRMAC
7 has the infrastructure to take the data collection --

8 MALE PARTICIPANT: Yes.

9 MALE PARTICIPANT: -- from terminals at
10 all different places and assemble the data, the
11 pedigree, how it is calibrated, whether to really do
12 an analysis of that.

13 MALE PARTICIPANT: Well, when we get
14 something on dayshift, I think it's kind of -- well,
15 (inaudible).

16 MALE PARTICIPANT: Be in at 3:00.

17 MALE PARTICIPANT: Yes. He showed up at
18 2:00. I was like oh, okay.

19 MALE PARTICIPANT: Yes.

20 MALE PARTICIPANT: Or another way to do it
21 (b)(5)
22

23 MALE PARTICIPANT: Yes.

24 (b)(5)
25

1 [redacted] (b)(5)

2 MALE PARTICIPANT: Right.

3 [redacted] (b)(5)

10 MALE PARTICIPANT: Okay.

11 MALE PARTICIPANT: Wow, now that's Unit 3.

12 MALE PARTICIPANT: 3.

13 MALE PARTICIPANT: So there is the steam

14 coming out of it.

15 MALE PARTICIPANT: Did they set up a date?

16 (Multiple people speaking.)

17 MALE PARTICIPANT: Yes, near-terms we are

18 launching?

19 MALE PARTICIPANT: Correct.

20 MALE PARTICIPANT: Yes, that's correct.

21 MALE PARTICIPANT: I have a first stream

22 launch.

23 MALE PARTICIPANT: Those tasking memos

24 have gone out?

25 MALE PARTICIPANT: Well, we're waiting for

1 the commission, SRM. We expect that shortly.

2 MALE PARTICIPANT: Charlie, we need the

3 tasker and other members on it are Bruce Mallott, Jack

4 Logue (phonetic) and Gary Holliday. Ken Mason,

5 leader, will provide the technical support.

6 MALE PARTICIPANT: Right.

7 MALE PARTICIPANT: So that will challenge

8 Marty.

9 MALE PARTICIPANT: Do you know this

10 (inaudible)?

11 MALE PARTICIPANT: No.

12 MALE PARTICIPANT: It's probably the stuff

13 you don't know.

14 MALE PARTICIPANT: I have heard.

15 MALE PARTICIPANT: Right. NPPs. Does

16 that make sense?

17 MALE PARTICIPANT: Pretty much full-time

18 between now and 30 days from now.

19 MALE PARTICIPANT: We've got to reach out.

20 MALE PARTICIPANT: Do the initial briefing

21 and get the near-term.

22 MALE PARTICIPANT: The longer term effort

23 really, at least the way Bill was describing it, it's

24 like a serious committee and then issues, a specific

25 group that would (inaudible). It's not through a line

1 organization. You're only going to have line
2 resources. And then you're not creating a whole
3 organization which would work right.
4 MALE PARTICIPANT: Like Charlie Stickler
5 and Karen, people at NRR who work on it. They
6 actually do (inaudible).
7 MALE PARTICIPANT: That would be one --
8 one group should be departmentalized.
9 MALE PARTICIPANT: And when they are done,
10 then they can -- they don't even really come together
11 with an understanding as an Agency. They work part-
12 time to do what they do. It might take 20 years for
13 the concept.
14 MALE PARTICIPANT: That would be refined.
15 MALE PARTICIPANT: Okay. All right.
16 MALE PARTICIPANT: Thanks, Marty, too.
17 FEMALE PARTICIPANT: Thank you.
18 MALE PARTICIPANT: Thanks. Bye, Marty.
19 MALE PARTICIPANT: It was a change
20 relative to the operating center.
21 MALE PARTICIPANT: Oh, that's an 11:30
22 call.
23 MALE PARTICIPANT: Yes, he just wants an
24 email, so he can read.
25 MALE PARTICIPANT: Okay.

1 MALE PARTICIPANT: We think this is
2 current.
3 MALE PARTICIPANT: Yes.
4 MALE PARTICIPANT: Yes, sir.
5 MALE PARTICIPANT: What did I not do?
6 MALE PARTICIPANT: Are you sure it's the
7 right time?
8 MALE PARTICIPANT: It's 23:00, right? It
9 should be 06:00?
10 MALE PARTICIPANT: Yes.
11 MALE PARTICIPANT: Okay. Go ahead.
12 MALE PARTICIPANT: Well, maybe Bruce has
13 that earlier version.
14 MALE PARTICIPANT: Yes.
15 MALE PARTICIPANT: All right.
16 MALE PARTICIPANT: I'm sure you do.
17 MALE PARTICIPANT: I'll carry over.
18 MALE PARTICIPANT: Thanks.
19 MALE PARTICIPANT: So no changes with the
20 activity.
21 MALE PARTICIPANT: Yes, one, they
22 established a second injection path.
23 MALE PARTICIPANT: Oh.
24 MALE PARTICIPANT: And so even though the
25 (inaudible) --

1 MALE PARTICIPANT: They are meeting it.

2 MALE PARTICIPANT: -- show the decrease of

3 it. You know, the (inaudible) gets their --

4 MALE PARTICIPANT: They have a new

5 injection on this.

6 MALE PARTICIPANT: Yes. So more water

7 will go in.

8 MALE PARTICIPANT: That's a good thing,

9 yes.

10 MALE PARTICIPANT: Wow.

11 MALE PARTICIPANT: On the AC power. All

12 units now have AC power?

13 MALE PARTICIPANT: Yes, they have. It's

14 there, but it just says on the pallet side of the

15 (inaudible).

16 MALE PARTICIPANT: Right. They won't do

17 that. It's the integrity.

18 MALE PARTICIPANT: Yes.

19 MALE PARTICIPANT: Defining levels.

20 MALE PARTICIPANT: Yes, so I don't see

21 them on different topics today.

22 MALE PARTICIPANT: Okay.

23

24 (b)(5)

25

1 MALE PARTICIPANT: Isn't that the
2 question. Yes.
3 FEMALE PARTICIPANT: Yes.
4 MALE PARTICIPANT: Yes.
5 MALE PARTICIPANT: Very good. Okay.
6 FEMALE PARTICIPANT: Absolutely.
7 MALE PARTICIPANT: Try to listen in.
8 MALE PARTICIPANT: Yes.
9 MALE PARTICIPANT: You have one eyeball
10 here and one over there.
11 FEMALE PARTICIPANT: Yes.
12 MALE PARTICIPANT: And brain cells and all
13 that.
14 MALE PARTICIPANT: We need to be a fish,
15 right?
16 MALE PARTICIPANT: Yes.
17 MALE PARTICIPANT: Levels detected at
18 Ganay and 9 Mile.
19 MALE PARTICIPANT: Yes.
20 FEMALE PARTICIPANT: If we could move to
21 the middle of this at the mention of that, and then
22 Marty was going to call.
23 MALE PARTICIPANT: We sent an email.
24 FEMALE PARTICIPANT: An email?
25 MALE PARTICIPANT: Yes.

1 FEMALE PARTICIPANT: Okay.

2 MALE PARTICIPANT: Yes.

3 FEMALE PARTICIPANT: Trying to get the
4 industry to (inaudible).

5 MALE PARTICIPANT: That's what we were
6 talking about over here, because I push back to Marty
7 and said that doesn't make any sense. Why the
8 individual plants would be sending information to
9 OSTP, because they are not staffed to support that.

10 MALE PARTICIPANT: Yes.

11 MALE PARTICIPANT: They can't integrate
12 the analysis.

13 MALE PARTICIPANT: Yes.

14 MALE PARTICIPANT: That was what Tony told
15 -- or that's what Marty told Tony, that that's what we
16 understand OSTP wants. But I thought, you know, we
17
18 (b)(5)
19 now. If you don't think it's the right way to go,
20 turn that off, because it ought to go to DOE or it
21 ought to go to EPA, so that they can do that
22 integrated analysis.

23 MALE PARTICIPANT: It's just one system
24 they use to support the FRMAC.

25 MALE PARTICIPANT: Right.

1 MALE PARTICIPANT: Yes.

2 MALE PARTICIPANT: That's a possibility.

3 FEMALE PARTICIPANT: Okay.

4 [redacted]

5 (b)(5)

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8 MALE PARTICIPANT: I confirm that from my

9 command.

10 (Conference call concluded.)

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1 (CONFERENCE CALL INITIATED)

2 4:09:30

3 MALE PARTICIPANT: Instructor calls that I

4 had yesterday?

5 MALE PARTICIPANT: Yes, yes, yes.

6 MALE PARTICIPANT: In contrast to the

7 first call that I was on, the second call was much

8 more productive, because we actually had -- you know,

9 we were talking about real things. We weren't just

10 talking about well, who is in charge.

11 MALE PARTICIPANT: Right.

12 MALE PARTICIPANT: DOE is the lead. That

13 has been established.

14 MALE PARTICIPANT: And confirmed.

15 MALE PARTICIPANT: Yes.

16 MALE PARTICIPANT: DOE.

17 MALE PARTICIPANT: Who in DOE? What

18 command?

19 MALE PARTICIPANT: We're going to have to

20 ask John Adams.

21 MALE PARTICIPANT: We ought to know that,

22 because call of duty is in place.

23 MALE PARTICIPANT: Okay.

24 MALE PARTICIPANT: Yes.

25 MALE PARTICIPANT: Because that will be a

1 big topic for the consortium call.

2 MALE PARTICIPANT: The Naval Reactor's

3 representative in the OSJ, they may know.

4 MALE PARTICIPANT: Yes. Get them on-site.

5 (b)(5)

6

7 know that?

8 MALE PARTICIPANT: Yes.

9 MALE PARTICIPANT: He does now.

10 MALE PARTICIPANT: Well, yes, right. If

11 he read his briefing sheet, 1:00 a.m. call, salt

12 accumulation, that was the plan.

13 MALE PARTICIPANT: Yes, that was.

14 MALE PARTICIPANT: You know, our guys just

15 don't --

16 MALE PARTICIPANT: It's too local of a

17 level instruction between our guy and the team. So

18 engineers that were poised for salt accumulation

19 (inaudible) to convey a message.

20 MALE PARTICIPANT: We agree with that

21 accumulation, yes.

22 MALE PARTICIPANT: Yes.

23 MALE PARTICIPANT: The Japanese people are

24 afraid.

25 MALE PARTICIPANT: Yes.

1 MALE PARTICIPANT: In my experience, they
2 have so many years down on one topic. They will not
3 pull off of that. They won't pull people off that.
4 MALE PARTICIPANT: You are trying to
5 figure out that picture question thing. I'm not going
6 (b)(5) [redacted]
7 --
8 MALE PARTICIPANT: Okay.
9 MALE PARTICIPANT: -- and the day of the
10 quake.
11 MALE PARTICIPANT: Yes, but what's the
12 status of the plan, you know?
13 (b)(5) [redacted]
14
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17 MALE PARTICIPANT: Yes, what about the
18 (inaudible)? What do you know.
19 MALE PARTICIPANT: All right. We'll see.
20 FEMALE PARTICIPANT: Good morning.
21 MALE PARTICIPANT: Actually make sure it's
22 the right one.
23 MALE PARTICIPANT: Waiting to get the
24 photos.
25 MALE PARTICIPANT: Yes.

1 FEMALE PARTICIPANT: I tried.

2 MALE PARTICIPANT: I think there is

3 another way.

4 MALE PARTICIPANT: Another action plan.

5 (b)(5)

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10 MALE PARTICIPANT: It's not one spot.

11 MALE PARTICIPANT: Yes.

12 MALE PARTICIPANT: It's not.

13 MALE PARTICIPANT: Yes, right. And what

14 are the ramifications of that?

15 MALE PARTICIPANT: Right.

16 (b)(5)

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24 MALE PARTICIPANT: The impression I'm

25 getting is that the relocation PAG is during the first

year.

MALE PARTICIPANT: Right.

MALE PARTICIPANT: Okay. So that still applies.

MALE PARTICIPANT: That applies, right.

MALE PARTICIPANT: It's 500 millirem.

MALE PARTICIPANT: Right.

FEMALE PARTICIPANT: Yes.

(b)(5)

[redacted]

MALE PARTICIPANT: -- and get them all back.

MALE PARTICIPANT: I don't think so.

MALE PARTICIPANT: Open the bridge.

MALE PARTICIPANT: You know, Brian -- because Brian was on and then got off and I never --

(Conference call concluded.)

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1 (CONFERENCE CALL INITIATED)

2 4:14:06

3 OPERATIONS OFFICER: This is headquarters
4 operations officer. The chairman is coming up on the
5 bridge.

6 MALE PARTICIPANT: Thanks, Mark.

7 MALE PARTICIPANT: It's all internal.

8 MALE PARTICIPANT: Are you ready?

9 OPERATIONS OFFICER: The chairman is on
10 the bridge.

11 MR. ZIMMERMAN: Hi, Chairman, this is Roy
12 Zimmerman. I'm picking up Mike Weber, the ET
13 Director. How are you today?

14 CHAIRMAN JACZKO: I'm good. How are you?

15 MR. ZIMMERMAN: Good. Some information to
16 pass along to you. Plan status wise, things are about
17 the same for the reactors. The spent fuel pool, one
18 development is that Unit 5 it appears that when they
19 were swapping over the -- to the new wakite (phonetic)
20 power lines that had been strung, that they lost their
21 RHR pump, which that has an impact on cooling the
22 pool, the spent fuel pool.

23 And they expect to be able to resolve this
24 problem tomorrow.

25 CHAIRMAN JACZKO: Okay.

1 MR. ZIMMERMAN: It doesn't look like we
2 are dealing with anything from the heat-up standpoint
3 between now and then that is going to cause any
4 problem.
5 CHAIRMAN JACZKO: Okay.
6 MR. ZIMMERMAN: The team here has been
7 focused on Jane Dowd's (phonetic) power staff that is
8 overseas. We've got a couple of people that will be
9 coming back tomorrow. A few more people that will be
10 going over to relieve them, but we still have a
11 decision to make about our senior managers that are
12 over there and weighing the aspect of giving them a
13 break, getting them out of there, replacing with
14 others and the benefit of familiar faces and
15 relationships that they have built with counterparts
16 and so forth.
17 That issue remains unresolved at this
18 point.
19 CHAIRMAN JACZKO: Okay. If we -- before
20 we move forward on any, I want to make sure that I am
21 briefed and that that comes to me.
22 MR. ZIMMERMAN: Okay. Sure. Making a
23 (b)(5)
24
25 CHAIRMAN JACZKO: Okay.

1 MR. ZIMMERMAN: You are aware of that this
2 morning, Chairman, from the call?
3 CHAIRMAN JACZKO: Yes.
4 MR. ZIMMERMAN: I think our initial lead
5 is to look at HHS. The second place would be some of
6 the State that may have surplus. But I think HHS
7 would be the first place to go.
8 CHAIRMAN JACZKO: Did we check to see if
9 we have any somewhere in the pipeline?
10 MR. ZIMMERMAN: We do not.
11 CHAIRMAN JACZKO: Okay.
12 MR. ZIMMERMAN: We will be sending you an
13 email to that effect shortly.
14 CHAIRMAN JACZKO: Great. Thanks.
15 MR. ZIMMERMAN: Now, we do know that there
16 may be some surplus in the States, but we haven't gone
17 to the States to ask for that surplus.
18 CHAIRMAN JACZKO: Okay.
19 MR. ZIMMERMAN: Okay.
20 CHAIRMAN JACZKO: I think -- well, my
21 understanding from the call this morning is FEMA will
22 probably take the lead in doing that?
23 MR. ZIMMERMAN: HHS and FEMA.
24 CHAIRMAN JACZKO: Oh, HHS, yes. Good.
25 I'm sorry, on that just one question. I mean, our

1 regs simply require that they consider KI. It does
2 not -- you know, there wouldn't be a licensing action
3 or anything where somebody would have to -- would
4 somebody have to modify their ET plans or anything as
5 a result of something like this?
6 MR. ZIMMERMAN: No, we don't think so.
7 CHAIRMAN JACZKO: Okay.
8 (b)(5)
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1 (b)(5)
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15 MR. ZIMMERMAN: Okay.
16 CHAIRMAN JACZKO: So I think that that
17 issue has been fixed. But what might be helpful, if
18 we have not done it, is again to maybe have somebody
19 (b)(5)
20
21
22 suggestion. We want them to send them in to the, you
23 know, Reactor Safety Team, so we can talk about them
24 before they get shipped off, unless Chuck has
25 specifically asked them for information.

1 MR. ZIMMERMAN: Well --

2 CHAIRMAN JACZKO: Then again --

3 MR. ZIMMERMAN: -- the -- I guess the

4 (b)(5) [redacted]

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7 CHAIRMAN JACZKO: Yes.

8 (b)(5) [redacted]

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11 CHAIRMAN JACZKO: Correct. Yes, that's my

12 understanding. And I think we have -- I think that's

13 an issue that we have had well underway for some time.

14 And I think now we have got a better -- I'm assuming,

15 at this point, we have a better recommendation than

16 (b)(5) [redacted]

17 MR. ZIMMERMAN: All right. NEI is getting

18 the information on increased readings in a number of

19 plants across the country.

20 CHAIRMAN JACZKO: Okay.

21 MR. ZIMMERMAN: Which I'm told you are

22 aware of. And we are trying to work through a

23 (b)(5) [redacted]

24

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1 CHAIRMAN JACZKO: Good.

2 MR. ZIMMERMAN: And if that makes sense to

3 you, we will try to make progress on that.

4 And the last thing that I wanted to

5 mention to you was we have these photos that have --

6 that I think you have seen. 30 or 40 of them are in-

7 house.

8 CHAIRMAN JACZKO: Yes.

9 MR. ZIMMERMAN: 200 total.

10 MR. WEBER: I don't think the chairman has

11 seen them yet.

12 CHAIRMAN JACZKO: They did -- Mike, they

13 are the ones you had this morning?

14 MR. WEBER: I didn't have any this

15 morning.

16 CHAIRMAN JACZKO: Okay. Maybe I have it.

17 I did see a packet. The IL-TAP (phonetic) folks

18 brought me up a packet this afternoon to look at.

19 MR. WEBER: Oh, okay.

20 (b)(5)

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25 CHAIRMAN JACZKO: Yes, I think that's

1 (b)(5) [redacted]
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4 MR. ZIMMERMAN: Agreed. Assuming it's
5 (b)(5) [redacted]

6 CHAIRMAN JACZKO: Yes, absolutely.
7 MR. ZIMMERMAN: All right. So we are
8 going to try to make that happen this afternoon.
9 CHAIRMAN JACZKO: Good.
10 MR. ZIMMERMAN: And other than your
11 questions then, anything that Mike sees that I left
12 out?
13 (b)(5) [redacted]
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1 MR. WEBER: (b)(5) [redacted]

2 FEMALE PARTICIPANT: Yes.

3 MR. WEBER: A person we work with

4 frequently.

5 CHAIRMAN JACZKO: Yes, then that probably

6 would be the best way. And then maybe you can just

7 give it to them and ask them to distribute to whomever

8 they feel is appropriate.

9 MR. WEBER: Okay.

10 MR. ZIMMERMAN: My initial gut instinct is

11 (b)(5) [redacted]

12 CHAIRMAN JACZKO: Yes.

13 MR. ZIMMERMAN: A lot are probably

14 (b)(5) [redacted]

15

16 CHAIRMAN JACZKO: Yes. And we can tell

17 them that there is more. If they think it's useful to

18 have more, we'll send them all of them.

19 MR. ZIMMERMAN: Okay. So that concludes

20 my brief of your questions and Mike filling in the

21 gaps. And if he talks longer than me, that means we

22 didn't have a good turnover.

23 CHAIRMAN JACZKO: Could --

24 MR. ZIMMERMAN: We've got to keep our

25 sense of humor.

1 CHAIRMAN JACZKO: The -- so just
2 priorities going forward then? What are you thinking
3 as priorities?
4 MR. WEBER: Well, one of the things that
5 we will look at this evening is to make the contact
6 (b)(5) [redacted]
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10 CHAIRMAN JACZKO: Good.
11 MR. WEBER: I would like us to make sure
12 that we have an understanding, as best we can, of what
13 the flow paths are of going on with these reactors.
14 Is it in the reactor, out of the reactor? Just to
15 kind of pull that together.
16 The shorthand version, the RST probably
17 already has this, but, you know, the shorthand version
18 (b)(5) [redacted]
19
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22 CHAIRMAN JACZKO: Yes.
23 (b)(5) [redacted]
24
25 CHAIRMAN JACZKO: Yes.

1 MR. WEBER: You know, it's time to ask a
2 few of those more detailed questions.
3 CHAIRMAN JACZKO: Got it.
4 MR. WEBER: And documenting it. So we
5 will punt around that a little bit as well.
6 And then on the PAG, if we get inquiries
7 (b)(5) [redacted]
8
9 any sort of changes, you know, of information that
10 comes in.
11 MR. ZIMMERMAN: And, Chairman, we haven't
12 heard that the working group has been set up yet.
13 CHAIRMAN JACZKO: Okay.
14 (b)(5) [redacted]
15
16 that when it gets arranged.
17 CHAIRMAN JACZKO: Well, maybe if you --
18 MR. WEBER: We can get a status on the
19 spent fuel pumping unit --
20 CHAIRMAN JACZKO: Yes.
21 MR. WEBER: -- and get a sense of where
22 that is. And they continue -- it was starting to be,
23 you know, morning there, so we'll try to get
24 information about what else they are doing for -- on
25 the electrical side. And it looks like a lot of the

equipment may not have survived the tsunami, so if we can get some of that information, we will probably continue to piece the story together as best we can.

CHAIRMAN JACZKO: Okay. Well, good. And then, you know, getting the metrics for me similar to notification, just if there is something I need to

(b)(5)

MR. WEBER: Okay. If there something significant, I won't hesitate to call you, but my goal will be to avoid doing that if possible.

CHAIRMAN JACZKO: Okay. Good.

Anything else?

MR. WEBER: Nope. We are good here.

CHAIRMAN JACZKO: Okay. Good. We will hopefully have a quiet night.

MR. WEBER: All right. Thanks. You as well.

CHAIRMAN JACZKO: Thank you.

MR. WEBER: Bye.

CHAIRMAN JACZKO: Bye.

(Conference call concluded.)

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(CONFERENCE CALL INITIATED)

4:25:14

MR. ZIMMERMAN: Are you there?

MR. WEBER: I'm here.

MR. ZIMMERMAN: Hi, Mike.

MR. WEBER: Hi, Roy. I wanted to run something past you. We got together the team directors and I and went through our turnover notes. And one of the things that we talked about is that we have information that has been collected, as you indicated, from the various U.S. reactor sites with regard to what they have picked up regarding iodine and sevum and so forth.

MR. ZIMMERMAN: Right.

MR. WEBER: What I would like to do is send that to EPA, as a good partner, and just tell

(b)(5)

[redacted]

(b)(5)

[redacted]

1 MR. ZIMMERMAN: Yes, I agree.

2 MR. WEBER: Okay. But we are going to

3 (b)(5)

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8 MR. ZIMMERMAN: Yes. Although that may

9 not actually get launched, but go ahead.

10 MR. WEBER: Well, I mean, if it does get

11 (b)(5)

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18 MR. ZIMMERMAN: Right. I understand. I

19 support your approach.

20 MR. WEBER: Okay. Do you feel the

21 chairman needs to be cut in? My feeling is he does

22 not for just sending it to EPA.

23 MR. ZIMMERMAN: Yes, I agree with that.

24 MR. WEBER: All right. So we are going to

25 go ahead and do it.

1 MR. ZIMMERMAN: I'll walk next door and
2 let them know what we are doing.
3 MR. WEBER: All right.
4 FEMALE PARTICIPANT: Yes.
5 MR. WEBER: Then it's going to be a while
6 before we get ready to do it anyway, because we have
7 to add all the caveats of what the information is and
8 what it is not.
9 MR. ZIMMERMAN: Yes, can I add to that?
10 MR. WEBER: Of course.
11 MR. ZIMMERMAN: I just got off the phone
12 with Eric and, you know, we started this chain this
13 (b)(5)
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19 MR. WEBER: Yes. Saying it another way,
20 (b)(5)
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23 this is an area we need to be a strong regulator.
24 MR. ZIMMERMAN: Right.
25 MR. WEBER: And we want to put out an

1 information notice. We think that is the thing for
2 the responsible federal agency to do. (b)(5)
3 (b)(5) as
4 much as we appreciate their willingness to help us on
5 this.
6 MR. ZIMMERMAN: Right. But we got into
7 (b)(5)
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14 So that's why we thought it would be a
15 (b)(5)
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20 MR. WEBER: Yes. I agree with you. I
21 (b)(5)
22 MR. ZIMMERMAN: Oh, yes.
23 MR. WEBER: There is going to be a lot of
24 interest, but I just don't want that to hold us up --
25 MR. ZIMMERMAN: Ensuring what we know.

1 MR. WEBER: -- getting something -- yes,
2 (b)(5) [redacted].
3 MR. ZIMMERMAN: Yes.
4 FEMALE PARTICIPANT: And the States have
5 (b)(5) [redacted]
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8 MR. ZIMMERMAN: I see that --
9 FEMALE PARTICIPANT: -- we will keep it in
10 the federal family.
11 MR. WEBER: Yes. I see that more with the
12 dayshift in coordination with FSME and so forth. And,
13 you know, I would rather be a good partner with EPA
14 while we sort out the rest of this.
15 MR. ZIMMERMAN: Yes, I agree. I agree.
16 MR. WEBER: All right.
17 MR. ZIMMERMAN: But I think at some point
18 (b)(5) [redacted]
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20 MR. WEBER: Right.
21 MR. ZIMMERMAN: To just talk through this
22 and come to an agreement on how do we want to go
23 forward.
24 MR. WEBER: Agreed.
25 MR. ZIMMERMAN: Okay?

1 MR. WEBER: All right. So you are going
2 to go over and see if the chairman is there and either
3 give it to -- give a shout back or if we don't hear
4 from you, we will put something out in the next couple
5 of hours.
6 MR. ZIMMERMAN: I'll give you a shout back
7 either way.
8 MR. WEBER: Thank you much.
9 MR. ZIMMERMAN: All right.
10 MR. WEBER: Bye.
11 MR. ZIMMERMAN: Bye-bye.
12 (Conference call concluded.)
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1 (CONFERENCE CALL INITIATED)

2 4:30:43

3 OPERATIONS OFFICER: Sir, you're up on the

4 bridge now with Roy.

5 (b)(6) [redacted].

6 MR. ZIMMERMAN: Hi, this is Roy Zimmerman.

7 How are you?

8 (b)(6) [redacted] Doing well, Roy. How are

9 you?

10 MR. ZIMMERMAN: I'm doing fine as well.

11 Does this conversation work for you on a speaker phone

12 that you are on now or do you want to have a private

13 conversation?

14 (b)(6) [redacted]: The speaker phone is fine.

15 Actually, I'm kind of looking for a piece of

16 information.

17 MR. ZIMMERMAN: Okay.

18 (b)(6) [redacted] We had a 10:00 call this

19 morning to discuss the status of various activities

20 and commitments that were ongoing. And one thing I

21 committed to would be to put together this industry

22 support team.

23 MR. ZIMMERMAN: Right.

24 (b)(6) [redacted] And what I wanted to -- I

25 committed to Bill Borcher that I would send up a

1 description of this team that could be attached to --
2 it was my understanding there is a twice daily status
3 report that goes out to a rather wide audience.
4 MR. ZIMMERMAN: That's correct.
5 (b)(6) And what I was looking for,
6 and I hate to get too down in the weeds here, but, who
7 do I send it to? I was having the conversation from
8 the airport there at National and, you know, I didn't
9 get clarity as to who I needed to email this to.
10 MR. ZIMMERMAN: Yes. Here comes your
11 answer.
12 FEMALE PARTICIPANT: You would send it to
13 (b)(6)
14 (b)(6)
15 (b)(6)
16 (b)(6)
17 FEMALE PARTICIPANT: Dot gov.
18 (b)(6) I will get it out. That's
19 probably -- it will be close if we can get it out. I
20 know there is one that goes out at 18:00 and one goes
21 out at 06:00, from what I understand. We will try to
22 --
23 MR. ZIMMERMAN: That's correct.
24 (b)(6) -- get it -- this will
25 probably be later than 18:00, so it probably will be

1 on the 06:00 distribution.

2 MR. ZIMMERMAN: Okay.

3 FEMALE PARTICIPANT: Thank you.

4 MR. ZIMMERMAN: Well, whenever -- whatever

5 works best for you, but we appreciate your efforts and

6 your support though.

7 (b)(6) You bet. I'll get this up

8 to you before we go home here tonight.

9 MR. ZIMMERMAN: Thanks very much.

10 (b)(6) Okay. Thanks, Roy.

11 MR. ZIMMERMAN: Bye.

12 (b)(6) Bye now.

13 (Conference call concluded.)

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1 (CONFERENCE CALL INITIATED)

2 4:32:56

3 OPERATIONS OFFICER: Chairman Jaczko

4 coming up on the ET conference. Good morning,

5 Chairman Jaczko.

6 CHAIRMAN JACZKO: Morning.

7 MR. WEBER: Good morning, chairman.

8 CHAIRMAN JACZKO: Morning.

9 MR. WEBER: This is Mike Weber coming on

10 shift and Bruce Voger is departing here at the ops

11 center.

12 Status of the units remains, essentially,

13 the same. We continue to seek press reporting about

14 smoke from Unit 3 and steam from Unit 2, but the best

15 we can tell, the status of the plant has not changed

16 significantly.

17 We are still seeing those elevated

18 temperature readings in the Unit 1 core.

19 CHAIRMAN JACZKO: Okay.

20 MR. WEBER: And they did reestablish new

21 cooling to Unit 1 and the early feedback was that it

22 did result in a lowering of those temperatures. So

23 they think that by --

24 CHAIRMAN JACZKO: By additional cooling,

25 do you -- what do you mean by additional cooling?

1 MR. WEBER: The additional input through a
2 feedwater line.
3 CHAIRMAN JACZKO: Okay.
4 MR. WEBER: Which is a positive
5 development.
6 CHAIRMAN JACZKO: And yet not any of their
7 normal heat removal systems with AC power?
8 MR. WEBER: No, sir.
9 CHAIRMAN JACZKO: Okay.
10 MR. WEBER: And I think that's it on plant
11 status.
12 On AC power, they continue to work to
13 restore AC power. You saw yesterday that some of the
14 units have power. The lights are on in the control
15 room in Unit 3. Unit 5 and 6 are now on AC power.
16 The feedback from the site is that, as
17 expected, they are having trouble connecting the power
18 now that it is on site 2 equipment --
19 CHAIRMAN JACZKO: Okay.
20 MR. WEBER: -- that arrived, because of
21 the damage to the electrical distribution system and
22 other components. So I think that's all on AC power.
23 The multi-day training is available.
24 (b)(5)
25

1 We did have detection of -- reported of
2 trace concentrations of Iodine 131 at Ganay and at 9
3 Mile. And we are working with NEI to accumulate that
4 information. We would expect that other plants will
5 also have similar detections in the days and weeks to
6 come.
7 (b)(5)
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11 CHAIRMAN JACZKO: Got it.
12 MR. WEBER: We are going to continue to
13 work that.
14 CHAIRMAN JACZKO: Okay.
15 MR. WEBER: It might make better sense to
16 get that to DOE and EPA, so that they can do an
17 integrated analysis with the other measurements that
18 are being made around the country.
19 CHAIRMAN JACZKO: Okay.
20 (b)(5)
21
22
23 CHAIRMAN JACZKO: Yes.
24 MR. WEBER: Have you heard that?
25 CHAIRMAN JACZKO: I have heard that, but I

1 think there are still logistical challenges with the
2 logistical team.
3 MR. WEBER: Oh.
4 CHAIRMAN JACZKO: So I think it's going to
5 be further discussed today, but that was my
6 understanding of the it last night.
7 (b)(5) [redacted]
8
9 (b)(5) [redacted]
10
11
12 MR. WEBER: Ouch. Okay. Okay.
13 CHAIRMAN JACZKO: I'll know more after the
14 8:00.
15 MR. WEBER: Okay. Overnight, we had a
16 call between the Reactor Safety Team and TEPCO with
17 our team there in Japan as well. So the priority
18 focus of that was on salt accumulation, hydrogen and
19 criticality issues.
20 CHAIRMAN JACZKO: Okay.
21 MR. WEBER: All applications about the
22 extreme measures that they have been taking to restore
23 (b)(5) [redacted]
24
25

1

2 You may have seen or may be aware of,
3 there was a DOE analysis of salt accumulation in the
4 vessel.
5 CHAIRMAN JACZKO: Yes.
6 MR. WEBER: And so we are continuing to
7 work that.
8 CHAIRMAN JACZKO: Okay. Is that an
9 analysis, was that new information for us? Anything
10 in the analysis?
11 MR. WEBER: It was a surprise for us that
12 the analysis was done, because we didn't know where it
13 came from.
14 CHAIRMAN JACZKO: Yes.
15 MR. WEBER: But I think the results are
16 not surprising.
17 CHAIRMAN JACZKO: Okay.
18 MALE PARTICIPANT: And there was a piece
19 of information about a containment being almost full
20 and we didn't know where they would have gotten that
21 information.
22 CHAIRMAN JACZKO: Okay.
23 MR. WEBER: Containment or a vessel?
24 MALE PARTICIPANT: The containment.
25 MR. WEBER: The containment being full of

1 salt?

2 MALE PARTICIPANT: Full of water.

3 MR. WEBER: Full of water, okay.

4 MALE PARTICIPANT: Which made us wonder

5 about the rest of the analysis. Not wonder about it,

6 but --

7 MR. WEBER: Okay.

8 CHAIRMAN JACZKO: Well, I'm going to --

9 Mike, maybe you are on emails. I emailed Chuck about

10 that and I told him only to forward that to TEPCO if

11 he is comfortable with it and otherwise, we need to

12 work those things through the Reactor Safety Team.

13 And I'll try and reiterate that on the call this

14 morning that if people have technical suggestions,

15 they go to the Reactor Safety Team for discussion, not

16 as final action to immediately forward to Chuck. Do

17 you have any problems with that?

18 MR. WEBER: No, not at all. I think that

19 is very helpful, because otherwise, we are going to

20 (b)(5) [redacted]

21 CHAIRMAN JACZKO: Yes.

22 MR. WEBER: And that's not going to be

23 fruitful.

24 CHAIRMAN JACZKO: And now so just when I'm

25 making that statement, who can I say is tied into our

1 Reactor Safety Team, at this point?

2 MR. WEBER: From Japan?

3 CHAIRMAN JACZKO: From wherever. From the

4 U.S. side.

5 MR. WEBER: Well, we have embedded

6 employees from DOE, Nuclear Energy and also from Naval

7 Reactors.

8 CHAIRMAN JACZKO: Okay.

9 MR. WEBER: And, of course, through the

10 team in Japan, we are mostly coordinating through the

11 (b)(5)

12

13

14

15 calls with INPO. And INPO, of course, has the lead to

16 coordinate the industry support.

17 CHAIRMAN JACZKO: Okay. Good. So let's

18 make sure then this analysis gets vetted through that.

19 MR. WEBER: Okay. Have you already done

20 that, Bruce?

21 MR. VOGER: No. I believe that's a

22 (b)(5)

23

24

25 CHAIRMAN JACZKO: And I'm telling you

1 directly that Chuck will not forward that information
2 unless Chuck is comfortable with it. Chuck doesn't
3 (b)(5) [redacted]
4 MR. WEBER: Okay.
5 (b)(5) [redacted]
6
7
8 MR. WEBER: Understood. We also had a
9 report back from Chuck at about a little over two
10 hours ago. TEPCO is reporting that the Unit 2 spent
11 fuel pool is full of water and is relatively cool at
12 54 degrees C.
13 CHAIRMAN JACZKO: Good.
14 MR. WEBER: But that the Unit 2 primary
15 containment is likely to have been breached or damaged
16 because steam is observed as coming from containment.
17 CHAIRMAN JACZKO: Okay.
18 MR. WEBER: So that's slightly new
19 information regarding plant status.
20 We are beginning to get a series of
21 photos, which are high resolution photos, that have
22 been shared with us by the Japanese.
23 CHAIRMAN JACZKO: Good.
24 MR. WEBER: And some of them are very
25 helpful in terms of understanding the condition of the

1 plant.

2 CHAIRMAN JACZKO: Good.

3 MR. WEBER: So it is difficult for us to

4 get them through our firewalls, but we have gerry-

5 rigged (phonetic) the solution to get them here in a

6 secure way, so that we get access to the information.

7 CHAIRMAN JACZKO: Great.

8 MR. WEBER: Although, it will take us some

9 time to do all that.

10 (b)(5)

11

12

13 of that from the discussion last night.

14 CHAIRMAN JACZKO: Yes.

15 MR. WEBER: And one other logistical item.

16 We would plan, sir, with your approval, to go ahead

17 and extract the plant status information from the

18 situation report, to prepare that to be sent to the

19 Congressional Oversight Committee this morning.

20 CHAIRMAN JACZKO: Yes, that's fine.

21 MR. WEBER: Okay.

22 CHAIRMAN JACZKO: Anything else?

23 MALE PARTICIPANT: Nothing from me.

24 MR. WEBER: Chairman, are you going to be

25 in the one-way put skip for the call?

1 CHAIRMAN JACZKO: I'm going to go wherever
2 they tell me.
3 MR. WEBER: Okay. Two, they are saying
4 it's a two-way put.
5 CHAIRMAN JACZKO: Okay. Then I'll be in
6 two.
7 MR. WEBER: Okay. So I'll talk to you
8 there shortly before 8:00 or whenever you get there.
9 CHAIRMAN JACZKO: Okay. Thanks, guys.
10 MR. WEBER: Okay. Thank you.
11 CHAIRMAN JACZKO: Bye.
12 MR. WEBER: Bye-bye.
13 MALE PARTICIPANT: Are you going to
14 support him on that call?
15 MR. WEBER: Yes.
16 MALE PARTICIPANT: Okay.
17 (Conference call concluded.)
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1 (CONFERENCE CALL INITIATED)

2 4:42:23

3 MALE PARTICIPANT: All right. So where is

4 this document at?

5 MALE PARTICIPANT: I put them both on the

6 --

7 MALE PARTICIPANT: Is it right there?

8 MALE PARTICIPANT: Chuck, are you up on

9 the bridge?

10 MR. CASTO: Good evening.

11 MALE PARTICIPANT: Good evening.

12 MR. ZIMMERMAN: Chuck, good evening or

13 good morning to you.

14 FEMALE PARTICIPANT: Hi, Chuck.

15 MR. CASTO: Hey, what's going on back

16 there?

17 FEMALE PARTICIPANT: Oh, nothing much.

18 MR. ZIMMERMAN: We are thinking about you,

19 hoping you are doing okay and that you are safe and

20 that your team is safe.

21 MR. CASTO: Well, thank you for your

22 thoughts. You know, we just got through the rounds of

23 nine. We couldn't get in 18, this morning, but we got

24 nine in.

25 MR. ZIMMERMAN: You shot in the 70s, as

usual?

MR. CASTO: Yes, on the first six holes.

MR. ZIMMERMAN: Okay.

MR. CASTO: Hey, there were some questions sent to us and I can answer those questions, if you want or whatever you would like us to do.

MR. ZIMMERMAN: Well, is there certain questions that dayshift asked you? We don't know those questions perhaps, but we will take the information and pass it on. And then my interest

(b)(5)

MR. CASTO: Okay. Charlie Miller send in questions asking about the cabinet meeting last night. And the cabinet meeting apparently came up on the call between USG and the industry in the consortium yesterday, so they asked a couple of questions.

The first question was we mentioned the

(b)(5)

It is -- although, let me give that some thought, okay, because I --

MR. ZIMMERMAN: Yes. Will the State

1 (b)(5)

2

3

4 industry?

5 MR. CASTO:

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13 (b)(5)

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22 And I -- you know, it's important. Those

23 meetings are important. And we wouldn't want to -- I

24 mean, I love the industry folks, but we would not want

25 to jeopardize in any way the -- that -- those

1 meetings.

2 MR. ZIMMERMAN: Yes, I would agree with

3 you. Did you think there was certain information that

4 came out of those meetings that would be of importance

5 to the industry to know to be able to be effective?

6 [redacted]

7

8

9

10 MR. ZIMMERMAN: Okay. Do we have the

11 meeting minutes?

12 MR. CASTO: I think I saw them this

13 morning when I woke up. I think there were some

14 information that DOS person needed to fill in to

15 complete the minutes. You know, she sent them around

16 for comment and -- when they are done. But also, I

17 mean, we can clearly brief you on what happened at the

18 meeting last night.

19 MR. ZIMMERMAN: Okay.

20 MR. CASTO: We briefed Charlie Miller, but

21 we are happy to brief you guys again.

22 MR. ZIMMERMAN: Okay. Around the table

23 [redacted]

24

25 MR. CASTO: Yes, that probably just came

1 to our team out here.

2 MR. ZIMMERMAN: Okay.

3 MR. CASTO: I'm guessing.

4 MR. ZIMMERMAN: So what you are saying is

5 that you think, from attending it, that there may be

6 some information, not all of it, but some of it, that

7 you may verbally want to pass on to the industry to

8 help them do their job?

9 MR. CASTO: Yes. And, in fact, I think

10 some of it is important that the industry knows. For

11 instance, I think was it KI, I think they are helping

12 us with and some equipment stuff. I think it is KI.

13 They had offered KI.

14 MR. ZIMMERMAN: Okay.

15 (b)(5) [redacted]

16

17 MR. ZIMMERMAN: Yes.

18 MR. CASTO: And --

19 (b)(5) [redacted]

20 (b)(5) [redacted]

21 But we were looking at HHS as being the supplier.

22 MR. CASTO: Yes. Well, whomever. You

23 guys can help us broker that. But I think the

24 industry offered KI. I've got to wait for John

25 Monager (phonetic) to get in, because I think he has

1 the details on that.

2 MALE PARTICIPANT: He's already here.

3 MR. CASTO: Here is the email here.

4 FEMALE PARTICIPANT: The industry --

5 MR. CASTO: It came from --

6 MALE PARTICIPANT: It was organized by

7 INPO.

8 MR. CASTO: Yes, INPO CA assist or

9 (b)(5)

10

11 (b)(5)

12

13

14 MR. ZIMMERMAN: Who said they had a

15 million doses?

16 MR. CASTO: INPO.

17 MR. ZIMMERMAN: INPO has a million doses?

18 MR. CASTO: Yes, they said they have

19 access to a million doses. So they -- the Japanese

20 (b)(5)

21

22

23 MR. ZIMMERMAN: Yes.

24 MR. CASTO: And so we -- John -- what will

25 happen is Al Hoshivar will come in today. I expect

him to be here.

MR. ZIMMERMAN: Right.

MR. CASTO: And I'm going to turn that issue over to have Al coordinate with you guys and INPO. I mean, that would be great to have -- you know, get that out of this team's hands.

MR. ZIMMERMAN: Right.

FEMALE PARTICIPANT: Yes.

MR. CASTO: So I think it should be you all and Al Hoshivar working that issue.

FEMALE PARTICIPANT: Yes.

MR. ZIMMERMAN: Yes, I'm fine with that.

FEMALE PARTICIPANT: Okay.

MR. CASTO: So we would hand that off, so we can get out of the KI business. It's not something we are interested in dealing with. (b)(5) [redacted]

(b)(5) [redacted]

MR. ZIMMERMAN: Okay. All right. Just so I don't lose the thought, I've got the KI items. So I don't lose this thought, do you have a way of going

(b)(5) [redacted]

MR. CASTO: I have them myself, but I'm going to wait until they -- you know, there are gaps in the meeting minutes that they are asking for people

1 to fill in that were there last night.

2 MR. ZIMMERMAN: Okay.

3 MR. CASTO: And as soon as they get a

4 complete set of minutes, then I'll send them to you.

5 MR. ZIMMERMAN: Thank you.

6 MR. CASTO: Let me see, (b)(5)

7 has been -- yes, she says attached to your clearance

8 are notes from the 8:00 -- your 8:00 meeting with the

9 cabinet.

10 MR. ZIMMERMAN: Yes.

11 MR. CASTO: Once clear, we will use these

12 notes as a basis for a short report out. There are

13 several places where confirmation or additional

14 information is needed. These are bracketed, you know,

15 please, fill these in. And then they will get the

16 completed meeting minutes out.

17 I'm happy to send you this draft, Roy, if

18 you want me to send it to you?

19 MR. ZIMMERMAN: Yes. As long as it

20 doesn't hurt anything. Just put draft on it and we'll

21 have it until you get the one filled in. We'll take

22 what you've got.

23 MR. CASTO: Yes, because it will help you.

24 I'm going to send it, first of all, to your personal

25 email address.

1 MR. ZIMMERMAN: Okay.

2 MR. CASTO: And then I'll also send it to

3 the WHO.

4 MR. ZIMMERMAN: Okay. And we will --

5 MR. CASTO: So you will have a good

6 description of --

7 MR. ZIMMERMAN: And mark it draft and

8 official use only and, you know, we'll get all the

9 appropriate --

10 MR. CASTO: I didn't do that, I'm sorry, I

11 have already sent it.

12 MR. ZIMMERMAN: Okay.

13 MR. CASTO: So it's on the way to you.

14 MR. ZIMMERMAN: We will do that here.

15 FEMALE PARTICIPANT: Okay.

16 MR. CASTO: Yes. And then it's -- yes,

17 you have to put draft on it, because it's incomplete

18 really.

19 MR. ZIMMERMAN: Right. We will make OUO

20 and sensitive information.

21 MR. CASTO: Okay.

22 MR. ZIMMERMAN: Okay.

23 MR. CASTO: I think it will -- they are

24 not -- I'm looking through them here, this is the

25 first I have actually looked at them. It's a -- I

1 think it's a high level summary. The meeting was, you
2 know, quite lengthy and, you know, I think she just
3 grasped the high level issues there.
4 MR. ZIMMERMAN: Okay.
5 MR. CASTO: I can probably give you more
6 detail than what is in here.
7 MR. ZIMMERMAN: Anything else stand out
8 that you want to raise or we'll just wait until we
9 take a look at what you sent us?
10 MR. CASTO: Well, I know I would just say
11 overall it was very successful. Again, they accepted
12 (b)(5)
13
14
15
16 New England somewhere.
17 (b)(5)
18
19
20
21 FEMALE PARTICIPANT: Oh.
22 MR. CASTO: And --
23 MR. ZIMMERMAN: Oh.
24 (b)(5)
25

1 the -- everybody calls it (b)(4) [redacted], but I
2 call it the pumping system, because it was actually
3 designed here in this room. And given (b)(4) [redacted]
4 complete the actual design, you know.
5 MR. ZIMMERMAN: Okay.
6 MR. CASTO: It's really -- you know, I
7 don't like giving (b)(4) [redacted] all the credit for that.
8 They -- you know, this was our concept here. But
9 anyhow, not that anybody needs credit for it, but some
10 people are taking commercial -- you know, but anyhow --
11
12 (b)(5) [redacted]
13
14
15 then --
16 MR. CASTO: And then the -- with regard to
17 the water barge, I think, you know, we are down to --
18 (b)(5) [redacted]
19
20
21
22 MR. ZIMMERMAN: Do you know if they will
23 move away from salt water injection over the fresh
24 water?
25 MR. CASTO: Yes, sir, you're correct. And

1 so they -- you know, we emphasized the need through
2 all the evaluations we have to swap over, the urgency
3 of that, and they indicated, I read between the lines,
4 that that original water line solution path that they
5 thought they had, reading between the lines and
6 inferring from what they said, it is at least -- it's
7 not visible right now.
8 So they really -- their only source would
9 be, I think, they have a tank of water off the edge of
10 the plant somewhere and, you know, they would hook the
11 fire trucks that they are using now up to that.
12 MR. ZIMMERMAN: All right. So the fresh
13 water barges is not viewed as being viable right now?
14 MR. CASTO: No, no, no, no, that's
15 incorrect.
16 MR. ZIMMERMAN: Okay.
17 MR. CASTO: The original water line from
18 the dam, they have an original water line from the dam
19 to the plant and it has a pump in it in that system.
20 That was -- their solution was to go to the dam feed
21 from that original water line and what I'm saying is
22 what I have heard from their meeting last night is
23 that source is not viable.
24 MR. ZIMMERMAN: Okay.
25 MR. CASTO: So they really are limited on

1 the sources of fresh water. They have one tank there
2 that they can use, that they can shift the suction of
3 the fire trucks from --
4 MR. ZIMMERMAN: Okay.
5 MR. CASTO: -- the sea, from the ocean to
6 that tank, but so we proposed that they consider the
7 water barges and the pumping system down at Yokota and
8 they are interested in that. They are sending people
9 to be trained on the pumping system. But meanwhile,
10 Admiral Roden (phonetic) is looking at moving the
11 pumping system from Yokota somewhere up near the site.
12 (b)(5)
13
14
15 MR. ZIMMERMAN: Okay.
16 MR. CASTO: And, of course, nobody really
17 knows the draft of that dock area right now after the
18 tsunami.
19 MR. ZIMMERMAN: Right.
20 MR. CASTO: So there are some questions
21 about what is the draft of the dock area? Can they
22 get the barges in there?
23 MR. ZIMMERMAN: Okay. Chuck, bear with
24 me. Let me play 20 questions with you for a minute,
25 okay? So bear with me.

1 MR. CASTO: All right.

2 MR. ZIMMERMAN: The K-MAX, the unmanned

3 helicopter, what are they going to use it for? Who is

4 sending it to them?

5 (b)(5)

6 [redacted]

7 they will use it for multiple things: Aerial

8 surveillance, other equipment that they need or other

9 activities that they need. And it has 1,000 -- a

10 1,500 pound lift capability.

11 MR. ZIMMERMAN: Okay. And when do they

12 think that will arrive?

13 MR. CASTO: I suspect that it left New

14 England last night. I don't know. I didn't -- I

15 can't confirm that, but I suspect that it left

16 somewhere up in New England last night.

17 MR. ZIMMERMAN: Okay. Then --

18 FEMALE PARTICIPANT: What was on the --

19 (b)(5)

20 [redacted]

21 have to use -- have they worked with that at all?

22 They mocked it up and done any testing with it before

23 they move it to the site or are they just planning on

24 moving it to the site?

25 MR. CASTO: No, they -- four TEPCO

1 engineers were down at Yokota working with it.

2 MR. ZIMMERMAN: Okay.

3 MR. CASTO: Yesterday, I think it was,

4 with Bill Cook. So they understand its capabilities

5 and the engineer was going to turn it over to his

6 staff to have them trained on the use. They intended

7 to lay it out in the hangar down there and play with

8 it. You know, I shouldn't say play with it, but --

9 MR. ZIMMERMAN: I know what you mean.

10 When do you think they are going to move it to the

11 site?

12 MR. CASTO: Well, I don't -- they were not

13 going to move it until -- we asked them to wait until

14 Friday, I think. Let Bill Cook tell that story.

15 MR. COOK: Yes. Right now the earliest

16 that TEPCO says that they can have folks available for

17 training is tomorrow. They might be able to improve

18 upon that, but that's the best I can tell you right

19 now.

20 The workers that they are identifying for

21 training are from a subsidiary of TEPCO. I think

22 that's the way they do a lot of the work on-site

23 anyway is through contractors, if you will, in

24 companies that are part of the conglomerate.

25 So let's say, you know, optimistically, we

1 can get all the training done in one day, I think, at
2 that point, it would be appropriate to mobilize and
3 get the gear to a staging area in close proximity to
4 the site.
5 But we are going to try to firm up some of
6 those plans this morning at our 8:00 call.
7 MR. ZIMMERMAN: Okay. All right.
8 MR. COOK: So I can give you an update
9 after that, if you would like.
10 MR. ZIMMERMAN: Okay. That was very, very
11 helpful. A little bit more than 20 questions.
12 The fresh water barge that is there or has
13 to be shipped in to them?
14 MR. CASTO: They actually -- well, do you
15 want to --
16 MR. COOK: I don't have any status of it.
17 MR. CASTO: This is an interesting
18 situation.
19 MR. ZIMMERMAN: Okay.
20 MR. CASTO: The Navy has the water barges
21 (b)(5)
22
23
24 yes, so I don't know exactly the time frame for the
25 water barges.

1 Again, they have to characterize the site
2 to decide what type of water barge can get in there.
3 MR. ZIMMERMAN: Okay.
4 MR. CASTO: But I can tell you that
5 Admiral Roden, if he has to carry it on his back, will
6 get water barges in there.
7 MR. ZIMMERMAN: Okay.
8 MR. CASTO: There is no doubt in my mind.
9 MR. ZIMMERMAN: So it sounds like they are
10 (b)(5)
11
12
13
14
15
16 know, it's not done until it's done. We are not
17 counting it until it is done.
18 MR. ZIMMERMAN: Okay.
19 MR. CASTO: Now, some of the other -- was
20 that all your 20 questions, Roy?
21 MR. ZIMMERMAN: Yes, on that topic.
22 Anybody else got anything on that before we move on?
23 FEMALE PARTICIPANT: No.
24 MR. ZIMMERMAN: Okay. We are good here.
25 So why don't you take us to a different topic?

1 MR. CASTO: Okay. One of the other
2 questions was are there -- from Dr. Miller, Charlie
3 Miller. Are there any countries representing --
4 representative of participating in the cabinet
5 meetings or is the U.S. the only guest that is
6 attending?
7 If other countries are participating, what
8 is the level and affiliation of their participants?
9 Right now, the Americans are the only ones
10 in there. And they have, the Americans have, some
11 lowly deputy regional administrator leading the
12 meetings. You know, it's pretty sad.
13 MR. ZIMMERMAN: Yes, tell us about it,
14 because when you come back here, you're not going to
15 talk to any of us, because we are not secretarial
16 level.
17 FEMALE PARTICIPANT: Why is that?
18 MR. ZIMMERMAN: You know.
19 MR. CASTO: You know, you have to be
20 cabinet members.
21 MR. ZIMMERMAN: Yes, cabinet members.
22 They are going to need to get an appointment to be
23 able to get anywhere near.
24 MR. CASTO: Yes, that's right. Anyhow,
25 what was -- this wasn't a question right here, was it,

1 Rick? This Department of Energy situation report?

2 RICK: No.

3 MR. CASTO: Okay. Then there was a

4 question, who was this from, about spent fuel pool

5 cooling. Oh, I think we got a statement from

6 somebody, let me see who it is from.

7 MR. ZIMMERMAN: Joel, John?

8 RICK: Just FYI.

9 MR. CASTO: Okay. There was people

10 concerned about the lack of flow rate through the

11 reactor and we got, you know, messages on that, but we

12 know that. I mean, everybody knows that. The flow

13 rate is probably not high enough.

14 MR. ZIMMERMAN: Is that understood?

15 MR. CASTO: Yes. Hey, Roy, would you mind

16 if I just call you right back?

17 MR. ZIMMERMAN: Nope, not at all. Take

18 care of business.

19 MR. CASTO: Yes. I'll call you right

20 back.

21 MR. ZIMMERMAN: Okay.

22 (Conference call concluded.)

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1 (CONFERENCE CALL INITIATED)

2 5:01:02

3 OPERATIONS OFFICER: This is headquarters

4 operations officer, Chuck Casto is coming up on the

5 bridge.

6 MR. CASTO: Hey, Roy?

7 MR. ZIMMERMAN: Yes?

8 MR. CASTO: It's Chuck back. Sorry.

9 MR. ZIMMERMAN: Welcome back.

10 MR. CASTO: Okay. A couple of things.

11 I'll go through the things that were discussed last

12 night. They told us that -- well --

13 MR. ZIMMERMAN: Do you have anything else

14 that you wanted to say about the low flow?

15 MR. CASTO: Well, you know, we know it

16 seems that they are not getting it. It's very

17 difficult to tell, but it seems that they are not

18 getting enough flow. Sometimes it's 7 gallons a

19 minute. Sometimes they have no data. We estimate

20 that they -- you know, we have got information that

21 says that it should be anywhere from 25 gallons a

22 minute to 100 gallons per minute flow rate to those

23 reactors.

24 And we see numbers. You know, they swing

25 and we are not sure exactly what we are seeing,

1 because they have to run into the building to get the
2 numbers. And so we see things like 7 gallons per
3 minute and then the next report will be 79 gallons per
4 minute.
5 So the amount of flow rate going to those
6 reactors it's uncertain.
7 RICK: The level is not changing.
8 MR. CASTO: And the level is not changing.
9 And so we are not real sure what any of that is
10 telling us. All we know is, you know, we think
11 pumping lots of water is better than what they got
12 now. And the pumping system that we have is a hoss.
13 That thing is a beast. It will pump and it will pump
14 and it can pump all three reactors and all four spent
15 fuel pools and we have another redundant system lying
16 in wait.
17 MR. ZIMMERMAN: You have to say Hoss in
18 Japanese?
19 MR. CASTO: Yes, that's a Japanese word.
20 MR. ZIMMERMAN: Yes.
21 MR. CASTO: You know. I'm learning hoss,
22 a big hoss.
23 MR. ZIMMERMAN: Okay.
24 MR. CASTO: I'm from the south, Roy.
25 MR. ZIMMERMAN: I know where you're from.

1 MALE PARTICIPANT: We can see him bowing
2 while he is saying hoss.
3 MR. CASTO: Yes, bow. But so, you know,
4 (b)(5)
5
6
7 that as a long-term solution.
8 MR. ZIMMERMAN: Okay.
9 MR. CASTO: And, you know, we think they
10 just should pump, pump, pump water. You know, we have
11 shared that with them, so --
12 MR. ZIMMERMAN: Good.
13 MR. CASTO: -- they are moving towards
14 that.
15 MR. ZIMMERMAN: Good.
16 MR. CASTO: We have provided them with a
17 severe accident management guidelines, the R-800
18 course and some other EO -- the EOPs and EPGs, they
19 got a lot of -- that was the night before last. They
20 got a lot out of that and they met with us yesterday
21 on those and they told us last night, they said now
22 that we have looked at that material, we realize we
23 have more challenges than we thought.
24 So I mean, that was good in that -- from
25 that perspective. Because they, you know, thought

1 they had -- they were at some level of concern in
2 response and those manuals, you know, we had dog-eared
3 those and, you know, highlighted what section they
4 needed to pay attention to. And they read -- they
5 translated them and read them that night and yesterday
6 they said, hey, come over and talk to us about this
7 severe accident progression.
8 That R-800 course, as you are aware of,
9 you know, we said that from the beginning, that course
10 manual goes through this accident from start to
11 finish.
12 MR. ZIMMERMAN: Yes.
13 MR. CASTO: So it's this accident on a
14 BWR-4. It just -- I mean, and all the stuff is
15 looped. Well, not all. I don't know. I haven't read
16 it in that much detail, but it seems like everything
17 that is in there is right.
18 MR. ZIMMERMAN: Okay.
19 MR. CASTO: So --
20 MR. ZIMMERMAN: Great.
21 MR. CASTO: -- it wasn't some theoretical
22 guy sitting in the corner coming up with some theory
23 about this. It turned out to be spot on as the bridge
24 would say.
25 So that -- reading that material, they

1 (b)(5)

2 So I think that has given them an even more sense of
3 urgency. We talked to them about boron injection in
4 the RCS yesterday and told them that, you know, at
5 this point, it is great if you are going to inject
6 boron, but, you know, it's imperative that you inject
7 water, more of it.
8 MR. ZIMMERMAN: Right.
9 MR. CASTO: So don't wait on boron
10 injections to inject water. They shared some
11 photographs with the images that they took from a
12 helicopter that they claim shows water in the Unit 3
13 spent -- I think it is Unit 3 right, John?
14 JOHN: Unit 4.
15 MR. CASTO: Unit 4?
16 JOHN: No, I believe you are correct, 3.
17 MR. CASTO: It was Unit 3 spent fuel pool.
18 And it is still dubious to us. There is a little
19 shine on one little section of the image. And they
20 said hey, that's water. I mean, they have told us
21 that before with the -- when the helicopter flew by on
22 video. But, you know, that's still not proof. And
23 they said they have gone -- this was an initial
24 analysis.
25 MR. ZIMMERMAN: The continue to spray

1 today?

2 MR. CASTO: They spray. Yes, they are

3 coming with cement trucks.

4 MR. ZIMMERMAN: Yes.

5 JOHN: Super cement trucks they are using

6 with a 3 meter boom.

7 MR. CASTO: They are doing both 3 and 4,

8 Units 3 and 4 spent fuel pools.

9 We talked to them about the radiation and

10 anti-contamination gear. And I think that is on a

11 path or something, isn't it John?

12 JOHN: Yes, we just got an estimate back

13 this morning from INPO.

14 MR. CASTO: Yes. INPO has got that and

15 the KI. So when Al Hoshivar gets here, we are handing

16 off the radiation protection gear and the KI to INPO.

17 And also, I see where the consortium is -- will have

18 a representative on-site in Tokyo tomorrow. So, you

19 know, we need their best advice on, particularly, Unit

20 1 reactor core.

21 They said they used the core spray, they

22 got the temperature from 400 degrees down to 300

23 degrees.

24 JOHN: Celsius.

25 MR. CASTO: Celsius. Which is still, you

1 know, way over 1,000 pounds saturation pressure. So
2 that's -- either one is definitely a concern for
3 pressure. And Unit 3 it's pretty clear now, I think,
4 we can -- we have fairly high confidence and on Unit 3
5 they have a containment breach.
6 DEVLIN: Could you go over that again?
7 Unit-- Chuck, this is Devlin (phonetic). Could you go
8 over the Unit 1 status again?
9 MR. CASTO: Unit 1, well, you know, you
10 can't rely on any instrumentation. I mean, let me
11 just caveat that first of all. But they believe they
12 -- when -- their core spray dropped the temperature
13 from 400 degrees C to 300 degrees C through core
14 spray.
15 But, you know, you can't -- nobody knows
16 whether that is accurate or not.
17 DEVLIN: All right. But that 300 degrees
18 C, but you said something about the pressure and I
19 didn't understand that, the pressure comment.
20 MR. CASTO: Well, if you do the saturation
21 pressure for that temperature, you can kind of figure
22 out what the saturation pressure is.
23 DEVLIN: Oh, okay. I see what you're
24 saying.
25 MR. CASTO: Or, you know, the other theory

1 is that you are measuring corium temperature.

2 DEVLIN: Right.

3 MR. CASTO: So, you know, because I think

4 the pressure in the reactor shows like zero. It shows

5 atmospheric or something like that, doesn't it?

6 JOHN: It's very low.

7 MR. CASTO: It's very low. So, you know,

8 you've got 400 degrees -- 300 degrees C and you've

9 got, you know, very little reactor pressure, so, you

10 know, there is a theory that you just measure --

11 either the instrument is bad or you are measuring

12 corium temperature.

13 DEVLIN: Yes, I got it. No, that's

14 consistent. I got it.

15 MR. CASTO: Yes. And on Unit 2, since

16 they -- I think someone confirmed that they filled the

17 fuel pool and it is still steaming heavily out the

18 reactor building. That only tells us one thing, you

19 know, there has got to be a containment breach on Unit

20 2.

21 You remember they had an explosion down

22 around the torus?

23 MR. ZIMMERMAN: Right, right.

24 MR. CASTO: Down around the suppression

25 pool, so, you know, (b)(5)

1 (b)(5) [redacted]
2 still think there is some steam coming off the spent
3 fuel pool. And it is cold up there, so, you know, we
4 think that could be from -- still yet from the spent
5 fuel pool.
6 But our analysis is pretty much thinking
7 that, you know, we have seen venting on the IRs, the
8 infrareds, in that building and, you know, we
9 suspected it was venting. And now that they have
10 filled the spent fuel pool, you know, that pretty much
11 confirms that they have got a breach on Unit 2 --
12 MR. ZIMMERMAN: Okay.
13 MR. CASTO: -- containment.
14 MR. ZIMMERMAN: And this is dry well, wet
15 well?
16 MR. CASTO: It's probably the way -- we
17 are thinking it's a wet well. We think it's the
18 suppression pool. Somebody reported damage in the
19 early stages of the event to the torus. So we told
20 the crew last night, your crew last night, (b)(4) [redacted]
21 looking at strategies for how to respond to these, for
22 each of these reactors. And we told them to share
23 with (b)(4) [redacted] e told the WHO, the team last night, Charlie
24 Miller and them, I think it was Charlie. It might
25 have been the shift before, to, you know, inform GE

1 that they may be dealing with a torus breach on Unit
2 2.
3 MR. ZIMMERMAN: Yes, that --
4 MR. CASTO: And that may change the
5 strategy, you know. So there's a likelihood of a
6 suppression pool breach on Unit 2.
7 MR. ZIMMERMAN: And we think that breach
8 occurred due to a hydrogen explosion or what?
9 MR. CASTO: Yes, I think that's what the
10 thought is. It occurred due to a hydrogen explosion.
11 And instead of leaking up into the reactor building
12 and, you know, the reactor building exploding like the
13 other three units, it exploded early down in the
14 torus.
15 MR. ZIMMERMAN: Have you guys ever learned
16 whether they inerted their containment?
17 MR. CASTO: I don't know if they were
18 inerted initially or not. Were they inerted?
19 JOHN: We don't know definitively, but the
20 assumption is pretty much that they do.
21 MR. ZIMMERMAN: That they do?
22 JOHN: That they do, yes.
23 MR. ZIMMERMAN: Okay.
24 MS. HOLLAHAN: Now, on Unit 2, this is
25 Trish Hollahan (phonetic), do you get the information

1 from the Reactor Safety Team as to how to --

2 MR. CASTO: Yes, we got it on how to open

3 the whole -- yes, we got that.

4 MS. HOLLAHAN: Okay.

5 MR. CASTO: So right now, they are

6 thinking that they are going to try to inert the

7 reactor building, I think, is their strategy, right?

8 They were going to try to put nitrogen in the reactor

9 building to dilute the hydrogen, so they don't -- you

10 know, instead of trying to open a hole, they want to

11 try to inert the reactor building. But that's going

12 to be hard to do when you've got a hole in the side of

13 it.

14 MR. ZIMMERMAN: It could be confirmed.

15 MR. CASTO: So that's an important issue,

16 but, you know, you've got to prioritize and you only

17 have so many people. So I think right now, we have

18 shared with them we believe the priority is to feed

19 the core with, you know, fresh water. So everything

20 is a priority. You know what I mean? Everything is a

21 priority, but --

22 MR. ZIMMERMAN: Do you feel like you are

(b)(5)

23

24

25 After they saw that severe accident management

1 guidelines and, you know, we early on, I think mid
2 last weekend, decided that the spent fuel pools are
3 important, but they shouldn't -- you know, they -- you
4 know, if you have to prioritize, the reactor source
5 term is much higher than the spent fuel pool. And the
6 spent fuel pools were stable. And, you know, whatever
7 they were doing, they were doing. And we felt that,
8 you know, they ought to prioritize the reactors,
9 because that's the bigger source term.
10 (b)(5) [redacted]
11
12 priority. And they also are developing a long-term
13 plan. We have kind of seen a draft of that, but it
14 hasn't been approved by the prime minister yet. So
15 they didn't tee it up with this last night.
16 On the Unit 2 containment breach, we teed
17 that issue up with them last night, but we did not
18 push it. You know, we just said hey, we suspect that
19 there is a breach. They argued -- or didn't argue.
20 They stated back that they thought maybe it was the
21 spent fuel pool. And we said well, you know, in
22 future meetings we need to talk about this further.
23 (b)(5) [redacted]
24 m
25 know. And so, you know, we had learned to take yes

1 for an answer. So we were --

2 (b)(5)

3

4

5

6 MR. CASTO: Call the admiral. Yes. I'm

7 sorry, Roy, the admiral was called in here twice in

8 the last minute. I'm going to have John go answer

9 him. He--

10 MR. ZIMMERMAN: Yes.

11 MR. CASTO: -- has got to go. I'm sorry,

12 if you would repeat that question?

13 (b)(5)

14

15

16

17 (b)(5)

18

19

20 MR. ZIMMERMAN: Right.

21 MR. CASTO: The anti-contamination gear,

22 the KI.

23 (b)(5)

24 (b)(5)

25 That was pretty much-- although they didn't confirm

1 the pumping equipment or the barge.

2 MR. ZIMMERMAN: Yes, okay.

3 MR. CASTO: They have, you know, concerns

4 about the lay down area for the pumping equipment and

5 they have concerns about the draft on the barge. But

6 the admiral is calling and, you know, he is ringing

7 the phone off the hook here this morning, so I know

8 that --

9 MR. ZIMMERMAN: Do we need to let you go?

10 MR. CASTO: No, no. John -- I asked John

11 to go take care of the admiral. But, you know, I know

12 his enthusiasm. He is going to get that stuff up

13 there if he has to -- you know, whatever he has to go,

14 he is going to get it up there.

15 MR. ZIMMERMAN: Okay.

16 MR. CASTO: It's going to be in place. So

17 there is no doubt. There is no doubt in my mind. Him

18 and General Crowell (phonetic) were -- you know, they

19 sat right beside me in the cabinet meeting and they

20 were definitely ready to go.

21 MR. ZIMMERMAN: What did we hear today

22 about black smoke from one of the units? Do we know

23 what that was all about?

24 MR. CASTO: Yes, we hear that

25 periodically, Roy. We believe that is a hydrocarbon,

1 you know, since it's black or gray.

2 MR. ZIMMERMAN: Yes.

3 MR. CASTO: And so it's not of any concern

4 to us. It's -- you know, as you know, in that reactor

5 building, the research MG sets were in that reactor

6 building, so you got tons of lubricating oil in there.

7 And, you know, it's likely that some of that lube oil

8 caught on fire. So black or gray smoke is not

9 concerning us too much unless radiation levels go up.

10 We think it is a hydrocarbon fire.

11 MR. ZIMMERMAN: Okay. So from your

12 perspective, the highest priorities that you see are

13 continuing to keep D&C water into the reactor vessel

14 and, secondarily, continue to feed the spent fuel

15 pool.

16 MR. CASTO: The number one priority is to

17 get swapped over onto fresh water, that's the highest

18 priority and pump more water to the reactors.

19 MR. ZIMMERMAN: Okay.

20 MR. CASTO: That's clearly the highest

21 priority.

22 The spent fuel pools, I think those are

23 coming along, you know. 2 is, you know, in good

24 shape, but we think Unit 1 is in good shape, but

25 nobody knows, because the roof of the building is on

1 top of it. And but, you know, it didn't -- it looks
2 like it survived the explosion and the roof collapsed
3 on it, but, you know, so it's probably got water in
4 it.

5 And Unit 2, by their judgement, has water
6 in it. They have got, supposedly, spent fuel pool
7 cooling running on Unit 2. And then Unit 3, they have
8 taken the snapshots, the video - (b)(5) [redacted]
9 (b)(5) [redacted]

10 MR. ZIMMERMAN: Okay.

11 MR. CASTO: So, you know, I think there
12 has been progress made on the spent fuel pool to some
13 degree. And they are not of grave concern, because,
14 you know, the biggest issue is, I think, you've got a
15 continuous release out of Unit 2 and you need to get
16 fresh water and more water on those reactors. Those
17 are the priorities.

18 MR. ZIMMERMAN: Do you continue with
19 release from other units, besides Unit 2?

20 MR. CASTO: Yes, we suspect there is a
21 breach in Unit 3 as well. That's a good question,
22 Roy. (b)(5) [redacted]
23 (b)(5) [redacted]
24
25

1 that we confirm a continuous release on Unit 3.

2 MR. ZIMMERMAN: Okay. All right.

3 MR. CASTO: But we are not saying that,

4 (b)(5) [redacted]

5

6

7

8

9 I mean, our agency, I think, is of the

10 philosophy, you know, you never say what you don't

11 know. You say what you know.

12 MR. ZIMMERMAN: Yes.

13 MR. CASTO: And unless we know, I'm not

14 saying it.

15 MR. ZIMMERMAN: Okay.

16 MR. CASTO: So that has been the guiding

17 principle, only say what you know. And so that's kind

18 of the rub we get into (b)(5) [redacted]

19 MR. ZIMMERMAN: Okay. All right. You

20 mentioned the one item we can take off your hands with

21 the KI. Is there anything else that comes to mind

22 that we can do for you guys?

23 MR. CASTO: We have -- I have to brief

24 Admiral Willard this afternoon at 2:00 and, you know,

25 I'm not prepared for it right now. I've got to work

1 on that today.

2 MR. ZIMMERMAN: Okay.

3 MR. CASTO: That's -- you know, the team -

4 - we have a battle rhythm. We set that in yesterday.

5 It is our list of meetings that we have established.

6 You know, we have now got a systematic set of

7 meetings. After the cabinet took over Wednesday --

8 MR. ZIMMERMAN: Yes.

9 MR. CASTO: -- you know, from the

10 ministries, that, you know, we established a battle

11 rhythm of how information flows. And it ultimately

12 culminates at 8:00 at night in the cabinet meeting.

13 MR. ZIMMERMAN: Okay.

14 MR. CASTO: So, you know, we feel real

15 good about the battle rhythm.

16 MR. ZIMMERMAN: Yes.

17 MR. CASTO: You know, over the next week

18 or so, you know, we will refine that and get much

19 better information flow, a much closer working

20 relationship. So, you know, we are seeing every day -

21 - actually, every day here for the last week and a

22 half or two weeks has been progress.

23 MR. ZIMMERMAN: Good.

24 MS. HOLLAHAN: Yes.

25 MR. CASTO: But I think Wednesday, you

1 know, when it became a national emergency, more of a
2 national emergency, I think that really broke things
3 loose. So we are having success there. And we are
4 real pleased. I think the battle rhythm, the 8:00
5 p.m. meetings, their understanding of the sense of
6 urgency is, you know, making things move much quicker
7 now.
8 MR. ZIMMERMAN: Actually, we are aware
9 your time is valuable. We are going to try to get you
10 off the phone here.
11 MR. CASTO: I've got to get back. I've
12 got -- yes, I've got -- there is s few things I've got
13 to do here.
14 MR. ZIMMERMAN: Yes, that's a fact.
15 MS. HOLLAHAN: Yes.
16 MR. CASTO: I'll try to keep busy guys.
17 So you're paying me a lot of money, so I'll try to
18 keep busy.
19 MR. ZIMMERMAN: If you can bear with us,
20 we've got two last questions for you.
21 MR. CASTO: Okay.
22 MS. HOLLAHAN: Chuck, this is Trish again.
23 (b)(5)
24
25

1 MR. CASTO: Yes, probably not with the
2 (b)(5) [redacted]
3 MS. HOLLAHAN: With the admiral.
4 MR. CASTO: But he probably meant Admiral
5 Willard.
6 MS. HOLLAHAN: Yes, Admiral Willard.
7 Sorry.
8 MR. CASTO: Yes. Yes, he -- you know, he
9 -- I'll handle it. I'll handle it somehow.
10 MR. WEBER: Chuck, I know you have
11 provided, you and your team have provided, us a fax in
12 the past about plant status. So if -- as you get
13 those plant status sheets, it would be great to --
14 MR. CASTO: Yes.
15 MR. WEBER: -- continue to forward them to
16 us.
17 MR. CASTO: Thanks, Bill. I appreciate
18 that. That's part of the battle rhythm we are picking
19 that up at 6:45 in the mornings now and that's kind of
20 where we work from. That's the first, you know,
21 information that kicks us off every day now. And you
22 should be getting that. Tony should be sending that
23 in. I'm sure they have got it by now.
24 MR. WEBER: Great.
25 MR. CASTO: They have the plant status

sheet. John just walked back in. Do they have the plant status sheet? That's all right. We will send it in. What was the admiral, he --

JOHN: The admiral just wanted to know -- you know, make sure we are on the same page. He said they got the K-MAX helicopter rolling, whether that

(b)(5) [redacted]

JOHN: Yes. The second item he mentioned was they are currently filling up barges with fresh water. You know, some of this stuff he is doing at-

(b)(5) [redacted]

The Navy also ran down the same question we did on KI, potassium iodine. I said we did and we said we would share our information in advance. He is actually traveling up to some place called J Village, which is sort of a lay down area in the vicinity of the site. He said there is some very similar pumping equipment up there, so maybe you may have two trains here already, which would be good.

(b)(5) [redacted]

1 they wanted to propose a lay down area for the barges
2 for the pumping systems, etcetera. They got that done
3 and they are going to share it with us today. And he
4 wants to get together with -- you know, some time to
5 talk after it's done.
6 So things are moving, you know.
7 MR. CASTO: It's pretty cool when you are
8 an admiral and you've got a helicopter you can go all
9 over the place. That's neat stuff. Can we get one of
10 those? Could somebody start a Form 30?
11 MR. ZIMMERMAN: Yes. It will be there
12 when you wake up tomorrow.
13 MR. CASTO: Okay. We need that Form 30
14 filled out.
15 MR. ZIMMERMAN: It's not a Form 30. It's
16 an Inform vitae.
17 MR. CASTO: Yes, it's inform, yes. Hey,
18 thanks a lot guys.
19 MR. ZIMMERMAN: Thank you.
20 MR. CASTO: Talk to you soon.
21 MS. HOLLAHAN: All right.
22 MR. CASTO: Take care.
23 MR. ZIMMERMAN: We will let you guys go.
24 MR. CASTO: Yes, thanks.
25 MR. ZIMMERMAN: All right. Thanks very

1 much, guys.

2 (Conference call concluded.)

3

4

5

1 (CONFERENCE CALL INITIATED)

2 5:25:07

3 MR. WEBER: Good morning, everyone.
4 Thanks for joining us for the commissioner's system
5 brief. It is March 23rd and this is Mike Weber
6 leading the ET here in the operations center.
7 In terms of plant status, the remain
8 essentially unchanged as best we can tell, although,
9 we continue to see press reporting about smoke from
10 Unit 3 and steam from Unit 2. We are doing our best
11 in working with our team in Japan to understand and
12 integrate the information that we have and then
13 capture that in the frequent situation reports that we
14 are providing.
15 We did get some news this morning from the
16 team that TEPCO is reporting that Unit 2's spent fuel
17 pool is full of water at a relatively cool
18 temperature. However, Unit 2 primary containment has
19 been or is likely to have been damaged or breached
20 because steam is being observed as coming from the
21 containment.
22 Return of AC power restoration, progress
23 continues, although, as expected, the reports are that
24 much of the equipment cannot be reconnected because
25 the short damage. They are -- they do have power back

1 in the control room in Unit 3, so they are starting to
2 make some progress with the power that they have. AC
3 power has been restored for Units 5 and 6, so we
4 continue to monitor that. That's a positive
5 development.
6 The multi-day training of available dose
7 rate information continues to show declining levels of
8 radiation exposures. We have picked up from Ganay and
9 9 Mile Point indications of trace levels of Iodine 131
10 that have been detected. Region I has gone back to
11 get more detail on those injections.
12 We are going to be working through the
13 interagency to support coordination of the analysis of
14 that information, (b)(5)
15 (b)(5)
16
17
18 We will have another industry consortium
19 call this morning at 10:00. We had a productive call
20 yesterday with a good exchange on inventory lists
21 being prepared through INPO for radiation
22 instrumentation, particularly high end and large area
23 RAD monitoring, as well as radiation protection
24 supplies and robotics is the third category that we
25 are currently focused on.

1 DOE is making a similar initiative in the
2 Department to collect that same information across the
3 DOE complex to share with the -- our team in Japan, so
4 they can work that with their Japanese counterparts.
5 We did receive on that note a report from
6 DOE on robotics and remote system assistance that
7 could be available to the government of Japan. And
8 it's not clear that that's the inventory list, so we
9 will have to verify that on the call this morning, but
10 we are making progress in that area.
11 And coordination continues on who is going
12 to be the lead agency to support the consortium.
13 We had a call overnight with TEPCO, their
14 Reactor Safety Team and the team in Japan. That call
15 focused on salt accumulation, hydrogen and criticality
16 issues.
17 (b)(5)
18
19 (b)(5)
20
21 In our discussion this morning with the
22 chairman, the chairman said that he plans to work
23 (b)(5)
24
25

1 (b)(5)
2
3
4 So we will continue to coordinate that,
5 understand it and figure out how best to work that
6 through our team there in Japan.
7 (b)(5)
8
9
10
11
12 their dependents. We have seen the press reporting
13 about advisories going out in Tokyo that water should
14 not be used for making formula, because of the
15 elevated iodine measurement, but we are going to try
16 to have that discussion in an integrated way.
17 Our going in position is to maintain the
18 existing framework that exists in the United States
19 for the Protective Action Guidelines, but we are
20 getting a lot of pull and push from other agencies to
21 take additional measures beyond what we would do. You
22 know, obviously, people are very concerned about their
23 dependents, their military members.
24 You know, it's an interesting contrast and
25 perspective. While we are all united in ensuring

1 protection of U.S. citizens and members of the Armed
2 Forces, (b)(5) [redacted]
3 (b)(5) [redacted]
4 We are getting detailed photos that were
5 given to us by the Japanese and we are getting them
6 downloaded here in the operations center. It's taking
7 some time, because they are high resolution photos.
8 Somebody's phone may be on. You need to mute your
9 phone, if you wouldn't mind.
10 And I think that's the end of our report
11 from here. Let me open it up for questions.
12 MR. CAMERON: Hey, Mike.
13 MR. WEBER: Go ahead.
14 MR. CAMERON: Mike, this is James Cameron
15 (phonetic), Region III. Kiwani (phonetic) has also
16 identified some Iodine 131 and we are wondering who is
17 the PMT lead there in headquarters we can send our
18 information to?
19 MR. WEBER: The PMT lead is Terry Reese,
20 (b)(5) [redacted]
21 You will find it on your land address.
22 MR. CAMERON: Okay. Thank you.
23 MR. WEBER: Okay. Thank you. That was
24 Kiwani?
25 MR. CAMERON: Yes, that was Kiwani.

1 MR. WEBER: Okay.

2 MR. CAMERON: They found it in some rain

3 water.

4 MR. WEBER: Okay. Thank you. Any other

5 comments or questions?

6 MS. HOWELL: Mike, it's Linda in Region

7 IV. I'll forward on some information I had gotten to

8 the PMT, but Fonz (phonetic) in Diablo Canyon have

9 reported detection of Iodine 131 and yesterday

10 reported an unusual detection of cesium.

11 MR. WEBER: Cesium 137?

12 MS. HOWELL: Correct.

13 (b)(5) [redacted]

14 MS. HOWELL: It was just above minimum

15 detectable levels, but I'll forward that message on in

16 case it did not get to you guys.

17 MR. WEBER: Okay. Well, it may have, I

18 just haven't heard it back from the PMT.

19 MS. HOWELL: Understand.

20 MR. WEBER: Questions, comments?

21 MR. CRENOVICH: Mike, this is Mike

22 Crenovich. I have a question for you on the salt

23 seawater effects on the core, that was something that

24 was discussed last night and you mentioned this

25 morning. (b)(5) [redacted]

1 (b)(5) [redacted]

2 MR. WEBER: That's our intent, Mike. We

3 want to work that in a coordinated way and we would

4 (b)(5) [redacted]

5

6 MR. CRENOVICH: Okay.

7 MR. WEBER: Fred, do you want to comment

8 on that?

9 (b)(5) [redacted]

10

11

12

13 MR. CRENOVICH: Okay. Thank you. I have

14 one other question. A couple days ago, there was a

15 (b)(5) [redacted]

16

17

18 MR. WEBER: Right.

19 MR. CRENOVICH: And we haven't really

20 heard any feedback on that. Do we have any new news

21 on that? I don't know if they actually have

22 information on the -- (b)(5) [redacted]

23 (b)(5) [redacted]

24

25 MR. WEBER: Yes. I have we have had

1 conflicting information on the spent fuel loading
2 density in the Unit 4 pool. We had heard initially
3 that they had not set up a high density loading, but
4 then we had some conflicting information. I'm looking
5 to Fred, so that if there is any additional insights
6 to share.
7 We did consider the potential for
8 zirconium fuel fire and, you know, I would say there
9 is no new news on that. But the answer I heard back
10 was it's entirely plausible that there has been a
11 zirconium fuel fire. Is that correct, Fred?
12 MR. BROWN: Yes. Was your question in
13 terms of what has happened or what is currently
14 happening or more of an analytical evaluation?
15 MR. CRENOVICH: It's more of -- you know,
16 we have heard mixed reports about well, maybe Unit 4
17 pool is dry at one time. Maybe it wasn't dry. And so
18 (b)(5)
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24 And that was several days ago and I sort
25 of lost track of that throughout the course of those

1 discussions.

2 MR. CRENOVICH: Yes. I would say that

3 over the last couple of days, the thermography

4 indicates that the pool temperature, the fuel in the

5 pool of Unit 4, is not in an ongoing zirconium

6 challenged situation.

7 You now, there are several questions about

8 maintaining that level of water and what is exposed in

9 the pool, but for right now, that is not an ongoing

10 position.

11 MR. CRENOVICH: Okay.

12 MR. WEBER: I think additionally, Mike,

13 and I'll only offer this as part of a news analysis,

14 so Fred will keep me out of trouble here, but, you

15 know, a number of us thought that if a zirconium fire

16 started, it would go ahead and burn off just like a

17 candle would burn off over a span of about a day.

18 And what we are starting to realize is

19 that probably hasn't happened, but you could have had

20 enough damage and debris drop into that pool that, you

21 know, maybe it's not going to look like the textbook

22 solutions. It could have occurred in parts of the

23 pool, but not throughout all the fuel in the pool.

24 So these are all things that we won't

25 really know until somebody can get in there and do a

1 detailed diagnostic about what the current conditions
2 are and then from that infer what transpired.
3 MR. CRENOVICH: Great. And then this last
4 question. This mention about the high resolution
5 photographs. What are those photos of? Are they
6 looking inside the building or are they sort of
7 exterior shots?
8 MR. WEBER: I have only seen one so far
9 out of a couple hundred. And the one that I have seen
10 is an aerial overplay. But it is pretty detailed, so
11 we could actually look down on top of the Unit 2
12 reactor. Excuse me, the Unit 1 reactor building roof
13 and we will have to it and see what the total
14 collection is.
15 MR. CRENOVICH: Okay, great. Thank you.
16 That's all I have got, Mr. Weber.
17 MR. WEBER: No problem. Other questions?
18 MR. ORDEZ: Hey, Mike, Bill Ordez here.
19 MR. WEBER: Hey, Bill.
20 MR. ORDEZ: Given your discussion about
21 Unit 4, (b)(5) [redacted]
22 (b)(5) [redacted]
23 MR. WEBER: Fred, do you want to take
24 that?
25 MR. BROWN: Could you be a little more

1 specific on your question? (b)(5) [redacted]

2 (b)(5) [redacted]

3 MR. ORDEZ: Well, you've got a good point

4 there because it changes daily, but one of the

5 constituents of your -- one of your assumptions was

6 (b)(5) [redacted]

7

8 MR. BROWN: That's the assumption we used

9 in the bounding plausible dose transport model.

10 MR. ORDEZ: Which is your current?

11 MR. BROWN: Well, we are not revising that

12 hour-by-hour.

13 MR. ORDEZ: But it's your current?

14 MR. REESE: Yes. This is Terry Reese,

15 (b)(5) [redacted]

16

17

18 MR. ORDEZ: (b)(5) [redacted]

19 that model?

20 MR. REESE: (b)(5) [redacted]

21 (b)(5) [redacted].

22 MR. WEBER: What you are driving at, Bill,

23 is, you know, what we have also realized. There are

24 multiple models out there, right? And so at this

25 juncture, if you had a large scale release, perhaps

1 some of the inventory is already gone out of the Unit
2 4 spent fuel pool.
3 So that contributor to that bounding
4 plausible model may be gone. But what we have also
5 recognized is, you know, there is a purpose for that
6 model. And then there is a purpose for well, what
7 would it be if there were a large scale release today?
8 So I think it's important to keep in mind
9 what are the objectives of these various plume
10 modeling that we have done, right?
11 MR. ORDEZ: Well, I follow that. I'll
12 follow that, but I also think that, you know, if the -
13 - you've got 200 photographs coming in, and there is
(b)(5)
14
15
16
17 MR. WEBER: Understood.
18 MR. ORDEZ: That's all I've got.
19 MR. SNOVERLY: Mike, this is Mike
20 Snoverly. Could you -- I wanted to summarize for my
21 (b)(5)
22
23
24 Jim mentioned some things last night, but
25 if you could - for example, maybe you could send it to

1 us, that would be helpful. But I've been getting a
2 lot of questions from Mike Kruntzel (phonetic) about
3 what that criteria would be.
4 MR. WEBER: (b)(5) [redacted]
5 criteria? Mike? Did we lose you?
6 MR. SNOVERLY: I'm here. It was the
7 (b)(5) [redacted]
8 MR. WEBER: Okay. Yes, I think we can
9 provide you the answer. So we should get that to the
10 commissioner assistant.
11 MR. SNOVERLY: That would be great. Thank
12 you.
13 MR. WEBER: Okay.
14 MALE PARTICIPANT: The NCO that I
15 prepared?
16 MALE PARTICIPANT: Yes, I need some
17 clarification.
18 MALE PARTICIPANT: Yes.
19 MR. WEBER: Any other questions?
20 MR. CASTLEMAN: Yes, this is Pat Castleman
21 (b)(5) [redacted]
22
23
24
25

1 you know, it's going to be very critical, of course,
2 to kind of keep things within established protocols.
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10 (b)(5)
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18 MR. CASTLEMAN: Okay. Thanks. The next
19 question is you mentioned that (b)(5)
20 (b)(5)
21
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24 MR. BROWN: The -- let me try to provide
25 the overall picture. TEPCO performed their own

1 calculation indicating that accumulation of salt in

2 (b)(5)

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4

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6 (b)(5)

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12 have is a function of the assumptions you make on flow

13 rates.

14 The Japanese are aware of that and they

15 are looking at alternate fresh water sources of

16 cooling to address that concern.

17 MR. CASTLEMAN: Okay. Thanks. And then

18 the last question I have is is there any more updates

19 (b)(5)

20 MR. WEBER: Two of the three shipments for

21 train 1 are in-country, at Yokota Air Force Base.

22 They are waiting for a third flight to transport the

23 remaining components for the first train. And I

24 (b)(5)

25

1 to Japan.

2 We understand that it is there at Yokota

3 (b)(5)

4

5

6 MR. CASTLEMAN: Okay. Thank you.

7 MR. WEBER: Yep. Any other questions?

8 All right. We wish you a good day and we will talk to

9 you again at 20:00 this evening.

10 MR. ORDEZ: All right. Appreciate it,

11 Mike.

12 MR. WEBER: Have a good day.

13 MR. ORDEZ: Have a good -- you, too.

14 MR. WEBER: Okay. It was a good brief.

15 (Conference call concluded.)

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1 (CONFERENCE CALL INITIATED)

2 5:47:40

3 MR. ZIMMERMAN: He said did we see aligned
4 with the Japanese focuses on the largest source terms
5 right now with the concern being the reactors. The
6 spent fuel pools continue to be an area of interest,
7 but the primary focus is on the reactors. There is a
8 focus of pumping more water volume into the vessels
9 and I'll talk about that more in a few moments.
10 But the report said that we have -- that
11 our team indicates some pretty slow flow rates. And
12 also an effort to swap over to fresh water as soon as
13 possible. Those are the primary priorities.
14 Also going on with the plant status,
15 unified loss of running RHR pumps today. We put the
16 following reactor vessel on spent fuel pool. They
17 lost it during the swap over when they brought off-
18 site power in.
19 I've got two conflicting reports, one that
20 TEPCO plans to install a new pump or two some time
21 later today and then there is another report that says
22 it may have already been accomplished. We have not
23 confirmed that.
24 From the team in-country, their feeling
25 from those they spoke with and their own views are

(b)(5)

[redacted]

confirmed, but they do have that concern.

I'll switch gears for a little bit and then I'll bounce back. We have also been working on changing out some members of our in-country team that have been there for a while. So we've got some people, a couple people flying back tomorrow. We've got a few more people flying out to take their place.

The team managers themselves, Chuck Casto, Joe Monager and Dan Darman, that will be a separate decision, because we recognize we need to look out for their well-being for having been over there for an extended period of time working long hours, but also the relationships that they have developed with their counterparts and what that means. So we are handling that decision as a separate matter.

Here is an interagency working group that has been setup to discuss trip points for possible changes in decision making based on concerns about the ongoing release and being more chronic than acute.

There is a phone call that took place this evening on that and Cindy may have something to --

1 Cindy Jones may have something to add on the results
2 of that. But the main point is that this is,
3 basically, a kickoff to this interagency working group
4 and they are just getting themselves oriented and
5 situated on that.
6 In the conversations with Chuck today, he
7 was more upbeat than I have heard him in past days. I
8 think a lot of that is due not only to getting some
9 more sleep, (b)(5) [redacted]
10 (b)(5) [redacted]
11 They are interested in a supply of KI.
12 And INPO has indicated that they have access to a
13 million doses. We would likely work through HHS. We
14 would have to coordinate with INPO on their source of
15 KI, but they are apparently looking for KI.
16 Speaking of KI, the U.S. embassy in Japan
17 is offering KI to the U.S. citizens, but recommending
18 not taking at the present time and a few people are
19 taking KI. Most of the U.S. citizens are not taking
20 KI.
21 DoD remains interested in the U.S.
22 recommendations, which are currently unchanged, but
23 continue to have a fair amount of dialogue with the
24 military with regard to the safety of the military and
25 their families, a number of which have, you know,

1 departed the country.

2 Numbers that you may have gotten and not

3 heard these before, so if this is redundant, bear with

4 me. There is about 170,000 U.S. citizens in Japan and

5 about 150,000 U.S. Military.

6 The industry consortium had a call today.

7 (b)(5)

8

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13 INPO is interested in which federal agency

14 is going to be the lead for their consortium to

15 coordinate with. I believe it has got some discussion

16 at an interagency meeting, perhaps (b)(5)

17 (b)(5)

18

19

20

21 We have received about 90 photos of the

22 Fukushima site from TEPCO, which shows considerable

23 damage to the units. What we are intending on doing

24 on dayshift is working with -- I'm sorry, was there a

25 question?

1 We plan on working with OIS in the morning
2 to put the pictures up on a controlled share-point
3 site, so that they will be accessed and be able to see
4 some of these photos. Some of them are pretty
5 devastating pictures. These pictures were taken by
6 TEPCO.
7 One of the things that we plan on doing
8 tonight is taking a representative sample of these 90
9 photos, probably about a dozen photos, and sending
10 (b)(5) [redacted]
11
12
13 through the higher elevations and the one way point
14 and have a go for moving forward with that.
15 The Japanese continue to be remained about
16 salt accumulation in the reactor vessels. We continue
17 to work with them in that regard. And that's why one
18 of the highest priorities is to start to move to fresh
19 water injection.
20 We do have a report, like I said, we have
21 (b)(5) [redacted] (b)(5) [redacted]
22 some
23 of these flow rates that I mentioned have been
24 increased. And I believe I saw something that
25 indicated they have started injection of fresh water.

1 So if that's true, we haven't validated that yet, but
2 if that's true, that's good news.
3 We have seen some reports showing barely
4 detectable amounts of iodine and several sites of 131
5 Iodine in Diablo Canyon with Cesium and Iodine.
6 That's not new information, but we are looking at
7 (b)(5)
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10 And again, that could be more coordination
11 tomorrow morning with OPA and others to make sure we
12 do this appropriately in terms of what type of roll
13 out, if any, we want to do. But we would like to get
14 the information that we have in the hands of the
15 responsible federal agency, because that's an action
16 that we intend on taking tonight.
17 Chuck Casto attended a cabinet level
18 meeting yesterday. He said it went very well. He is
19 sending in draft minutes that we will probably have
20 later tonight, if we don't have them now. They are
21 drafting that all the way to fill in, but it could
22 give us a little bit of an idea that will show the
23 (b)(5)
24
25 Chuck indicated that the U.S. was the only

1 country represented at this meeting that he attended,
2 which was at the cabinet level. The types of things
3 that the Japanese are expressing interest in: An
4 unmanned helicopter that Lockheed is working on
5 supplying that could be used for aerial reconnaissance
6 efforts; the pumping system from Australia; still we
7 (b)(5) [redacted]
8
9 And they are also interested in the fresh
10 water barges for fresh water injection. And the
11 military stands ready to make this happen as soon as
12 they get the go ahead. But it seems to be a two-stage
13 (b)(5) [redacted]
14
15 are signing on for it. So it's always a two-step
16 process.
17 Chuck indicated that (b)(5) [redacted]
18 (b)(5) [redacted]
19 accident guidelines, found it very helpful and helped
20 them realize that the challenges that lie ahead for
21 them are a mess.
22 (b)(5) [redacted]
23
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25

1 (b)(5)
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4 (b)(5)
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12 And then on a sad note, we are getting
13 information that five workers are believed to have
14 received lethal doses and that they may have perished,
15 which I think goes further than what we have said in
16 previous briefings.
17 Let me just run through my notes here and
18 see if anybody else on the team has other items that
19 they want to raise before we go to questions.
20 Anybody else around the table have any
21 points they want to clarify or add to? Okay. It
22 looks like that's our brief for this evening and we
23 are prepared for your questions.
24 MR. CRENOVICH: Roy, this is Mike
25 Crenovich.

1 MR. ZIMMERMAN: Hi, Mike.

2 MR. CRENOVICH: Thank you for a very
3 thorough briefing. I really appreciate the detail and
4 sorry to hear about these lethal doses being more fact
5 than rumor.

6 MR. ZIMMERMAN: Yes, again, I'll follow-up
7 on that. We are hearing some information that
8 individuals have passed away, but we are still trying
9 to get that additional confirmation. We want to be
10 careful with the information, it looks like we are
11 passing around the room, so press information that --
12 indicates that five individuals have perished.

13 MR. CRENOVICH: Let me turn for a moment
14 just back to the unit status for a moment, just to
15 cover that. And then I want to follow-up on something
16 that we discussed this morning with the morning shift,
17 dayshift.

18 The unit -- looks like there is a change
19 in Unit 3 status on this evening's report, that now
20 they are reporting that the Unit 3 containment is
21 damaged and is at atmospheric pressure. And has there
22 been a change in the condition of the unit in the last
23 24 hours? Because we have been seeing reports of
24 pressure on the containment, but if it is damaged now,
25 that may be an issue of concern to follow down with --

1 to follow-up with the in-country team.

2 MR. VAJILLO: Yes. As you are well-aware,

3 the information changes as incidents change the

4 reports. So we, you know, continue to get conflicting

5 information. You know, the kinds of information that

6 -- we had really a lengthy conversation with the on-

7 sight team this morning-- I mean, this evening about,

8 you know, the standard questions you asked when you

9 report data, how do you know this piece of

10 information, right? (b)(5) [redacted]

11 (b)(5) [redacted]

12 So even if they are reporting well, we --

13 you know, here is the vessel level. When we ask and

14 we have been gingerly asking these questions, okay,

15 (b)(5) [redacted]

16

17 those questions. So as it is firstly with all the

18 information we are getting, the team on-sight is, in

19 fact, trying to find the right contacts to get people

20 (b)(5) [redacted]

21

22 question?

23 So the team on-sight continues to do that

24 and so that's one approach we are taking.

25 The other approach is that they have --

1 they continue to toggle. You know, in some cases they
2 are toggling loads into the spent fuel pools or into
3 the core. So when we get a report that is passed
4 along to us, typically, that is an instantaneous
5 report that doesn't reflect how they are actually
6 operating the cooling system.
7 Now, if it says zero flow or 7, you know,
8 we've got a report that Unit 1 and 3 with about, you
9 know, less than 10 gpm flow into those two cores. So
10 we pursued that. Well, that doesn't sound like it's
11 sufficient. You needed about 25 gpm. And what we got
12 was well, it's likely that that is an instantaneous
13 number and they are actually toggling flow.
14 So these are the kinds of questions we
15 continue to face in trying to determine plant status.
16 MR. ZIMMERMAN: Yes, no, I appreciate
17 that. You are getting a snapshot from a not
18 necessarily reliable source and I realize they are
19 doing some sort of makeup and periodic venting on the
20 different units here, but the one that just caught my
21 attention here where it says damaged, that's the first
22 time I have seen that really appear on Unit 3 for
23 primary containment, that's why I kind of flagged it
24 as -- it wasn't highlighted, but it's here noted as
25 damaged. And it's the pressure, I think that's what

1 sort of caught my attention.

2 MR. CRENOVICH: Okay. And that was based

3 (b)(5) [redacted]

4 provided us that.

5 MR. ZIMMERMAN: Right.

6 MR. VAJILLO: And NISA.

7 MR. CRENOVICH: And NISA, right, yes.

8 MR. ZIMMERMAN: Okay. Let me follow-up on

9 the -- from this morning, there was a discussion that

10 (b)(5) [redacted]

11

12

13

14 There was an issue of whether or not the

15 (b)(5) [redacted]

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19 Has that been resolved?

20 (b)(5) [redacted]

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13 MALE PARTICIPANT: And just picking up on
14 what Marty said was Mike Weber turned over to me is
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18 Now, there is a different document that
19 did go out a couple of days ago.
20 MR. VAJILLO: Yes, it was earlier today,
21 U.S. time, eastern time, just prior to a phone call
22 that we had last night, right, so it was actually
23 yesterday. We provided a set of five answers to the
24 set of five questions that the Japanese had provided
25 us.

1 TEPCO was on that phone call, so they got
2 an answer and that was based on information provided,
3 basically, coordinated by NRC, (b)(4)
4 provide that information and had an extended phone
5 call that lasted to 3:00 a.m. this morning.
6 That phone call -- as a result of that
7 phone call, there were four additional questions that
8 (b)(5)
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15 MR. ZIMMERMAN: Mike, did we scratch the
16 itch a little bit?
17 MR. WEBER: Yes, you did. I think that's
18 good. It sounds like you are on a path of some
19 convergence here, so that's what I needed to hear.
20 MR. ZIMMERMAN: And to confirm that the
21 (b)(5)
22 MR. WEBER: Right.
23 MR. VAJILLO: And our DOE embed (phonetic)
24 before he left, DOE embed is not here permanently, but
25 he left probably about an hour or two ago. We had

some sort of conversation with him about he was

(b)(5)

(b)(5)

So I would just say that we collectively need to be alert to where that information ends up.

(b)(5)

MALE PARTICIPANT: Okay. Great. Thank you, Marty, thank you Bill.

MR. ZIMMERMAN: Other questions?

MR. SNOVERLY: This is Mike Snoverly. I just had one question concerning the Iodine 131 measurements at San Onofre. You gave us some readings on Monday and I think the highest were 10^{-12} microcuries per milliliter. Are we seeing anything greater than that on these latest readings that were discussed earlier in the call?

MR. ZIMMERMAN: Okay. No change.

MR. SNOVERLY: Thank you.

MALE PARTICIPANT: 10^{-12} microcuries?

1 MR. ZIMMERMAN: I thought that is what was
2 forwarded to us on Monday.
3 MALE PARTICIPANT: Yes, yes, that sounds
4 like a great number.
5 MS. HOLLAHAN: I think the units arriving,
6 you have -- the numbers have not changed. It's in the
7 picocuries, not microcuries.
8 MR. ZIMMERMAN: Yes, I think somebody did
9 mention microcuries though, so they may have misspoke.
10 MS. HOLLAHAN: Yes, yes.
11 MALE PARTICIPANT: This is fairly typical,
12 right?
13 MALE PARTICIPANT: Yes, picocuries per
14 milliliter.
15 MR. ZIMMERMAN: Right. There is not much
16 -- there is not as much of a change of what we were
17 seeing -- what they saw on Monday.
18 MR. WEBER: Not seeing a change.
19 MR. ZIMMERMAN: Thank you.
20 MR. VAJILLO: 10^{-12} microcuries?
21 MS. HOLLAHAN: Yes.
22 MR. VAJILLO: Are they aware of the
23 detection of iodine?
24 MS. HOLLAHAN: Yes.
25 MS. HOLLAHAN: I mean, but one thing to be

1 aware of is we are getting reports from reactor
2 licensees of widely elevated readings. They are
3 voluntarily sending that into the ops center. We have
4 collated that on a table. We have put it together
5 with the U.S. recommended derived intervention levels,
6 so we have that number, which is 170, I think it is,
7 picocuries per liter for infants. Infants meaning
8 children at 1 year of age. That information will be
9 on there.

10 (b)(5)
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17 MALE PARTICIPANT: And getting the
18 information over to EPA.
19 MS. HOLLAHAN: Right.
20 MR. CRENOVICH: This is Mike Crenovich. I
21 noticed that EPA is posting some type of daily summary
22 or at least one summary they had from reading samples
23 from the west coast taken over the weekend or on
24 Friday actually.
25 MR. ZIMMERMAN: Right. This would

1 supplement that, Mike.

2 MR. CRENOVICH: Okay.

3 MR. ZIMMERMAN: Other questions?

4 MR. ORDEZ: This is Bill. I have one.

5 The -- on Unit 5, we lost an RHR. I think they have

6 two. Is -- do we have any concerns?

7 MR. ZIMMERMAN: Well, we have two reports.

8 We have one report that they are going to get the

9 pumps back tomorrow. And we have another report that

10 they have already got them back now. So we have to

11 sort out what is accurate there, but they would not be

12 expecting much heat up if, in fact, we are talking

13 that they still don't have them back and it's waiting

14 until tomorrow. So it's not a drastic situation. And

15 it's possible, based on one report that we have seen,

16 that it has already been accomplished.

17 MR. ORDEZ: Okay, thanks.

18 MALE PARTICIPANT: All right. And may I

19 ask what our latest recommendations are to NARAC in

20 terms of our assumptions in terms of dose or source

21 term?

22 MS. PETERSON: We were on the phone with

23 (b)(5)

24

25

1 on the following source term for the most realistic
2 case, as they called it. And that is assuming that
3 there is no spent fuel pool fire and that for Unit 1
4 it would be 70 percent core mil (phonetic), Unit 2 and
5 3 33 percent core mil.
6 (b)(5)
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11 total. So we hope that by starting it tonight, they
12 can get this done this time tomorrow night.
13 (b)(5)
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16 once it has been approved by the interagency, be
17 shared to -- (b)(5)
18 (b)(5) but
19 (b)(5)
20
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22
23
24 MALE PARTICIPANT: Thanks, Cindy.
25 MS. PETERSON: Yes.

1 MR. ZIMMERMAN: Additional questions?

2 MR. CASTLEMAN: Yes, this is Pat

3 Castleman. Could you go over the source term

4 assumptions, because they sounded different than what

5 were reported earlier today.

6 MS. PETERSON: Yes, they are different.

7 You are correct. (b)(5) [redacted]

8 (b)(5) [redacted]

9

10

11

12 So the current one that they are using for

13 a realistic case is no spent fuel pool fires. Unit 1

14 is 70 percent. Unit 2 and 3 is 33 percent core mil.

15 It's the best estimate for how much fuel has melted.

16 That was all of our estimates agreed in that -- on

17 those values for those units.

18 The thing that we are assuming is that the

19 leak rate from containment is .5 percent per day. We

20 assume that their release would start last Tuesday,

21 the 15th, at 21:15 hours. And NARAC then will provide

22 the estimates and prove the report, dose symmetry, and

23 estimate for dose modeling for Tokyo and for the west

24 coast.

25 MR. CASTLEMAN: Okay. Thanks, Cindy.

1 MS. PETERSON: Yes.

2 MR. CASTLEMAN: Could we get just a copy
3 of these rough assumptions? I recognize that they are
4 not totally scrubbed, but it would be helpful to have
5 those, because that's an awful lot of, you know,
6 change for us, too.

7 MR. PETERSON: Right. It's in the -- it's
8 in our report already in the PMT. We are actually
9 waiting for NARAC to send it to us and so we will have
10 another confirmation that way, so we have it.

11 MALE PARTICIPANT: Maybe we can suggest
12 that we put it into the sit rep report in the morning.

13 MR. CASTLEMAN: Okay. Great. However it
14 works, whatever works for you all. The next question
15 I have is based on our discussions and the sit rep, it
16 (b)(5)
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18
19

20 MR. ZIMMERMAN: Yes, I think that may be
21 (b)(5)
22

23 pools, you know, is filled or not filled. So we are
24 still dealing with that as we have in past days. So,
25 you know, there is this shift to the reactors.

1 Now, they have had some success with the
2 spent fuel pools, but I wouldn't want to be too
3 (b)(5) [redacted]
4
5 this.
6 MR. CASTLEMAN: Okay. So basically, the
7 spent fuel pools are not a matter of no concern.
8 MR. VAJILLO: Yes, the are. They continue
9 to be of concern, but in priority, the attention at
10 the moment is focused on the reactors and on getting
11 fresh water into the vessels and getting more water
12 into the vessels. And until we have a reliable source
13 of water and heat removal, we are going to be on this
14 bubble --
15 MS. PETERSON: Yes.
16 MR. VAJILLO: -- and, you know, I think
17 emphasis will shift from one to another, depending on
18 where we are. So we are not out of the woods until
19 you get a reliable mechanism for maintaining vessel
20 level and spent fuel level and removal of decayed
21 heat.
22 MR. ZIMMERMAN: Yes, I mean, as you know,
23 over the last week or week and a half, it has varied
24 in what you have heard in these sessions, whether the
25 focus is on the vessel or on the spent fuel pool in

1 terms of priority. And it's like Marty said, it does
2 vacillate a little bit and we try to work with the
3 best information we have and keep you posted.
4 MR. CASTLEMAN: Okay. Well, that's good.
5 I really appreciate that. I know it's (inaudible).
6 The next question I have regards general
7 radiation levels around the site. Do we have any more
8 information on that?
9 MS. PETERSON: No, we have not received
10 the EMS bio information update.
11 MR. CASTLEMAN: Okay. And no other
12 information like dose rates around the accident and so
13 forth?
14 MS. PETERSON: No, the last one we got was
15 yesterday morning.
16 MR. CASTLEMAN: Okay. And then the last -
17 -
18 MR. ZIMMERMAN: The only thing I would
19 offer is that is very qualitative in nature. You
20 know, we are seeing some photos, some pictures that
21 are coming in from different media sources that are
22 showing individual -- showing up around these
23 facilities a little more as they go in and they put
24 the power back on and the lights in the control room
25 and the people in the control room.

1 So, you know, exactly what those doses
2 are, we don't know. But it's not like they are
3 evacuating the site. We are seeing people that are,
4 you know, putting water in the pools. They are
5 getting relatively close in to being able to do this.
6 So whether these are more heroic actions or whether
7 the doses are going down is something we will have to
8 continue to follow.
9 MR. CASTLEMAN: Okay. Well, that's
10 encouraging to hear. And then the last question I
11 have is at this morning's briefing, we were told that
12 (b)(5)
13
14
15 that earlier in the conference call.
16 Do we have any more information on that,
17 (b)(5)
18 MR. ZIMMERMAN: I don't think they made
19 firm decisions on that. I think it's something that
20 they are continuing to assess. But it was discussed
21 (b)(5)
22 continue to be more of those.
23 And again, one of the things that has --
24 to add to that was this working group that will be
25 interagency that will work on PMT-type of topics and

1 trying to identify these, what they call, Trip Wires
2 for where additional decision points may need to be
3 set up.
4 MR. CASTLEMAN: Okay. That's good to
5 know, because from what we were briefed on this
6 morning was that we were -- our going in position was
7 that we were -- (b)(5)
8 (b)(5)
9 (b)(5)
10
11 MR. VAJILLO: I think a couple of nights
12 ago, Pat -- Pat, you're right. Several nights ago,
13 (b)(5)
14
15
16
17 And at the end of the day, (b)(5)
18 (b)(5)
19 but that was two days ago.
20 MR. CASTLEMAN: Okay. Great. Thanks,
21 Marty.
22 MR. ZIMMERMAN: Any other questions?
23 Okay. Hearing none, we will wish you a pleasant
24 evening. And call tomorrow at 7:30 in the morning.
25 MR. ORDEZ: Roy?

1 MR. ZIMMERMAN: Yes?

2 MR. ORDEZ: This is Bill Ordez. I have

3 one. Based on the new assumptions going into our

4 source terms, (b)(5) [redacted]

5 MS. PETERSON: No.

6 MR. ORDEZ: Okay. Thanks, Cindy.

7 MS. PETERSON: Sure.

8 MR. ZIMMERMAN: Okay. One last chance and

9 then we will call it a night. All right. Sleep well.

10 MALE PARTICIPANT: All right. Thank you.

11 Thanks for the good briefing.

12 MR. ZIMMERMAN: Thanks a lot.

13 (Conference call concluded.)

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(CONFERENCE CALL INITIATED)

6:24:03

MALE PARTICIPANT: Oh, he did a good job, didn't he?

MALE PARTICIPANT: Yes.

MALE PARTICIPANT: It made me feel good.

MALE PARTICIPANT: Yes.

MALE PARTICIPANT: After all this, you know, turmoil, it made me feel good. His words were encouraging, so that's great.

MR. ZIMMERMAN: Chuck, make us feel good for crying out loud.

MR. CASTO: Okay. Hey, you know, we love you guys. And it doesn't get any better than the team in Washington.

MR. ZIMMERMAN: Are you on the golf course or are you back at work now?

MR. CASTO: We got off the front nine. We thought we would stop by and see what's going on. No, what I was telling -- Rick and I were talking about it, sorry.

(b)(5) [redacted] with the wave one and we did that this morning. And (b)(5) [redacted]

1 NRC is to him and it definitely came across how
2 important he thought that it made a huge impact last
3 week. That in their time of need, the NRC came
4 through and, you know, put rationality and a direction
5 and it was really touching. It was great.
6 MR. ZIMMERMAN: Well, you should feel very
7 good about that, because a lot of that majority is
8 things that -- everything that you have been doing.
9 MR. CASTO: Well, we're one big NRC. The
10 NRC is each and every one of us.
11 MR. ZIMMERMAN: Yes, well --
12 MR. CASTO: It's not a building or a
13 computer. It's -- the NRC is all of us.
14 MR. ZIMMERMAN: I hear you. But you are
15 right there on the front lines, you and your team, so
16 that's who is being seen.
17 MR. CASTO: So that was great. That was a
18 good picture. I'm sure we will put that up on the NRC
19 webpage or something whenever we get it all done.
20 You know, I was just calling in to touch
21 base. I don't -- everybody is out working hard this
22 morning. We are all -- NISA and TEPCO and protective
23 measures. Everybody -- you know, we use the mornings
24 pretty much to work external and in the afternoon is
25 our internal interagency work, that's the way we set

1 up the meetings.

2 So that's -- you know, everybody is out.

3 I just got back from (b)(5) [redacted]

4 (b)(5) [redacted] so I just

5 thought I would touch base.

6 I don't think there is -- the only thing,

7 we just had an alignment meeting, as we call it, on --

8 hold on guys. Guys. We had an alignment meeting on

9 the briefing for Admiral Willard. The NRR guys did a

10 good job of pushing hard on that. You know, thinking

11 of all the tough questions that Admiral Willard might

12 ask.

13 I think one that I have to pay a lot of

14 (b)(5) [redacted]

15 [redacted]

16 [redacted]

17 I can explain NISA and I can explain

18 TEPCO.

19 MALE PARTICIPANT: We just got a call from

20 (b)(5) [redacted] they want us to start coming to more working

21 group meetings with the first one starting at 2:00

22 today.

23 MR. CASTO: That will help.

24 MALE PARTICIPANT: And this is going to be

25 the real logistics, you know. The decision makers,

1 you know, and hopefully they will be at the ATM
2 meeting, but they want to get the --
3 MR. CASTO: The working group, I guess.
4 MALE PARTICIPANT: Yes, yes.
5 MR. CASTO: So that's good news. That
6 will help me with Admiral Willard. You know, because
7 we strategized last night about the approaches and the
8 strategy that Marty has been appropriately challenging
9 us with.
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15 (b)(5)
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21 MR. ZIMMERMAN: Good. You should feel
22 good about that.
23 MR. CASTO: Yes, you know, the battle
24 rhythm is working today. Everybody is -- you know, we
25 are working that sequence of meetings. This 2:00

1 (b)(5) [redacted]

2

3

4 will be -- maybe that will help, I don't know, having

5 the 2:00.

6 Anything we need to do for you all or

7 anything we need to think of?

8 MR. ZIMMERMAN: Well, Chuck, I would -- I

9 got the draft summary of the meeting, the meeting you

10 had last evening.

11 MR. CASTO: Yes.

12 MR. ZIMMERMAN: And I thought that was a

13 really good summary.

14 MR. CASTO: Yes, (b)(5) [redacted] did that.

15 MR. ZIMMERMAN: One -- there are a couple

16 of things. I know you are running the ground, but on

17 page 3 of that, you don't need it in your hand right

18 now, we talked about a barge bringing about a million

19 gallons of fresh water?

20 MR. CASTO: Yes, that's -- boy what a

21 story that is. Go ahead.

22 MR. ZIMMERMAN: I think the number is

23 probably more along the lines of 350,000 gallons.

24 MR. CASTO: Yes. Yes, but, you know,

25 that's up to -- Admiral Roden is doing all that stuff.

1 And it is 350 and he said he could get a couple of
2 350s in there. I think the challenge we have today is
3 the -- that barge was contaminated with diesel fuel.
4 I mean, that's how this stuff works, right?
5 So they had to have a Japanese -- I don't
6 understand it. They had to have a Japanese fresh
7 water barge flush that fresh -- that dirty water barge
8 and then clean it with -- and then refill it with
9 fresh water.
10 (b)(6) Hey, Chuck, did --
11 MR. CASTO: So it's not altogether clear
12 to me why the Japanese fresh water barge just didn't
13 go to the site, but that's Admiral Roden's work. He
14 will be over here today at noon to align, you know,
15 our daily alignment meeting with him.
16 (b)(6) Chuck, (b)(6)
17 (phonetic). What I -- from Naval Reactors. The --
18 what I heard was the first barge was -- they were
19 putting a priority on filling it. The second barge
20 that they are working to get ready was the oil barge
21 that they are looking to flush out.
22 MR. CASTO: Okay. (b)(6) you know more
23 than I do. I -- you know, actually, we have turned
24 that over to the Navy.
25 (b)(6) Yes.

MR. CASTO: You know, we are not getting wrapped up in that. Sooner or later some fresh water will be up there.

(b)(6) Yes, I understand that. And so what you know is that the Navy is working it and it's a priority for them pushing hard. So I agree with that.

MR. CASTO: Yes. I know Admiral Roden well and I know that if he has to carry it on his back, he will get it there.

(b)(6) Okay. Indeed.

MR. ZIMMERMAN: The media reports that we are hearing here this evening are very optimistic. They talk about having restored the capacity to provide fresh water to Unit 1 reactor vessel. Here again, these are the media reports.

MR. CASTO: Actually, it is a NISA press release.

MR. ZIMMERMAN: Was it a NISA?

MR. CASTO: Press conference. Press conference.

MR. GENNER: Hey, Chuck?

MR. CASTO: yes?

MR. GENNER: This is Joe Genner (phonetic).

1 MR. CASTO: Hey, Joe, how are you doing?

2 MR. GENNER: Good.

3 MR. CASTO: Okay.

4 MR. GENNER: Yes, what we heard was it was
5 a NISA press conference. And they kind of marched
6 through what the status was for all six reactors. And
7 just as Marty had indicated, they said they have fresh
8 water currently being injected into the reactor
9 pressure vessel for Unit 1.

10 MR. CASTO: Yes, they have a -- yes, I
11 didn't know that, but that makes sense to me. They
12 have been working on a -- they have a small tank on
13 the, I guess it would be, north side of Unit 1 and
14 they talked yesterday about swapping the suction of
15 the fire trucks over to that north tank.

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19 (b)(5)
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22 MR. ZIMMERMAN: Yes.

23 MR. CASTO:
24 (b)(5)
25

1 MR. GENNER: Right. Okay.

2 (b)(6) Chuck, (b)(6)

3 You have the picture that Units 1, 2 and 3 are likely

4 very much choked up with salt?

5 MR. CASTO: Yes, I think that's what we

6 are assuming that -- in fact, I have heard about a

7 gel, because it was combined with -- you know, some

8 research shows that since they were injecting boron,

9 what would the word be, gelonated (phonetic)? Is that

10 the word?

11 MALE PARTICIPANT: Gelatinous.

12 MR. CASTO: That it's gelatinous. And,

13 you know, all that is nice and, you know, we are glad,

14 you know, we want people to work on it, but the

15 solution is fresh water.

16 (b)(6) It is, but it's likely that

17 the switch over -- the point I'm making is the switch

18 over to fresh water isn't likely to restore sufficient

19 core cooling, based on the blockages we have.

20 MR. CASTO: Yes, we will just have to see.

21 You know, we are not sure. You know, we get

22 different readings on core cooling. You know, it

23 swings anywhere from zero to 80 gallons per minute.

24 It depends on when they take the reading. So nobody

25 is certain. We just think you need to pump a lot of

clean water in there.

(b)(6) We concur with that assessment.

MR. ZIMMERMAN: Yes.

MR. CASTO: So well, whatever way. Now, there is some talk about, you know, they are worried about the pumping system being too high capacity, so I think (b)(6) is working with (b)(4) to provide only the parts of the system that meet their needs and not over capacity them. So I think (b)(6) is working on that today.

They have identified six REL (phonetic) people, basically, contractors to go down, I think it is, Saturday and train on the system. If, you know, Admiral Roden doesn't pick the thing up and ship it up north before then.

MALE PARTICIPANT: I also heard a 48 hour time frame to deliver it for the Japanese to pick up, so that fresh water barge is not an instantaneous answer.

MR. CASTO: Yes. The fresh water barge is slow moving.

MALE PARTICIPANT: Yes.

MALE PARTICIPANT: There is a good debate here in the RST about the water addition rates. We

1 know that the Japanese are flushing or are toggling
2 the flow rates. We don't know why. But as you
3 suggested, the instantaneous readings are very low to
4 their stated capacity. And I believe that the numbers
5 that they have given us are somewhat of an average,
6 but I don't know that for sure.
7 Because the debate with the RST Team is,
8 essentially, what is the best stable place to be with
9 the filling of the -- or excuse me, putting -- pushing
10 water to the core and the expectation that flooding
11 the dry well might be the -- where we are going, so
12 that we are externally cooling the reactor vessel.
13 MS. PETERSON: Yes.
14 MALE PARTICIPANT: The TEPCO meeting that
15 we had with your guys, Tony and those guys yesterday,
16 (b)(6)
17
18
19 adequate cooling. And so the expectation of core
20 damage continuing.
21 So again, just be advised that the RST
22 Team is thinking about the large number of days it
23 takes to fill that primary -- or excuse me, the dry
24 well and that that's desirable Wednesday. So we might
25 be talking some more about not worrying about

overwhelming the cooling flow rate, but pumping based on that dry well concern.

MR. CASTO: Yes, I agree with all that. I

(b)(6)

[redacted]

don't know the answer to that question.

Additionally, I know -- I think Marty told

(b)(6)

[redacted]

important. And it's -- on Unit 2, they probably are doing containment flooding, right? You know, to some degree out that break.

MALE PARTICIPANT: The dry well, right? It's more of a rupture in the dry well, right?

MR. CASTO: Well, the torus is ruptured to go into the reactor building.

MALE PARTICIPANT: Yes.

MALE PARTICIPANT: Oh, not in the dry well.

MR. CASTO: So, you know, we were thinking the other day are they -- not just dry well flooding. Are they going to have to do reactor building flooding on -- I mean, that's a concept that has never

1 been discussed before. (b)(6) [redacted]

2 (b)(6) [redacted]

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7 down into the torus.

8 The torus is broken. And it is going into

9 the reactor building, out -- steam -- and this is

10 steam pouring out the reactor building, the side of

11 (b)(6) [redacted]

12

13 MALE PARTICIPANT: Well, flooding the

14 building like you suggested is one thing. And

15 ultimately, looking at the sand or concrete and the

16 rest of it, too, is a longer term solution.

17 MR. CASTO: Because we -- you know, I

18 don't think the reactor building is not water tight.

19 I mean, when you get to that big bay door, most of

20 them have, you know, the big bay door where you bring

21 in the new fuel. You can't flood that area.

22 MALE PARTICIPANT: You have the ground

23 elevation.

24 MR. CASTO: You could flood up to the

25 ground elevation. That's all you can do.

1 MALE PARTICIPANT: Which I think the
2 prospective --
3 MR. CASTO: Which covers the core.
4 MALE PARTICIPANT: Well, we are not
5 engineers, most of us here. I think the big
6 prospective is we wouldn't advise them to do anything
7 different than they are doing now. Pumping water into
8 the core region, overflowing to the torus or wherever
9 it is going, that's-- we wouldn't change that
10 priority, based on this discussion.
11 MR. CASTO: Right. I mean for now, you
12 live with the continuous release, but that, obviously,
13 has its problems.
14 MR. ZIMMERMAN: Thanks for the chat,
15 Chuck.
16 MR. CASTO: Yes, I know that is
17 enthusiasm. I know that you -- I know that is great.
18 Anyhow, if there's anything we can do for
19 you all, just let us know.
20 MR. ZIMMERMAN: All right. Thanks. Right
21 back at you.
22 MR. CASTO: Yes.
23 MR. ZIMMERMAN: If there is something we
24 can do for you, give a holler.
25 MR. CASTO: Yes. Okay. Thanks. I'll let

1 you know after the Admiral Willard brief, you know, if
2 I'm going to get any more retirement checks in the
3 end, but I'll let you know that.
4 MR. ZIMMERMAN: Okay. We'll be waiting to
5 hear.
6 MR. CASTO: Okay. Talk to you soon.
7 MR. ZIMMERMAN: All right. Stay well.
8 MR. CASTO: Yes.
9 (Conference call concluded.)
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