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UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

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JAPAN'S FUKUSHIMA DAIICHI
PMT RAAD ASST DIRECTOR AUDIO FILES

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WEDNESDAY,
MARCH 23, 2011

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1 (CONFERENCE CALL INITIATED)

2 0%M^295604065094

3 JESSICA KRATCHMAN: OP Center, Jessica.

4 MALE PARTICIPANT: Yes, this is the HOO.

5 I have Jack Foster from Japan on the other line.

6 JESSICA KRATCHMAN: Okay. Hi, Jack.

7 JACK FOSTER: Yes.

8 JESSICA KRATCHMAN: This is Jessica
9 Kratchman in the Op Center, PMT.

10 JACK FOSTER: Okay, we're still assembling
11 right now. We're supposed to have a call at 3 o'clock
12 and we're running a few people late so I'm going to call
13 some people up and make sure we get them down here but
14 we're just about assembled, okay?

15 JESSICA KRATCHMAN: Okay, thank you.

16 JACK FOSTER: Okay thanks, Jessica.

17 MALE PARTICIPANT: Is that Jack by any
18 chance?

19 MALE PARTICIPANT: Jack Foster, yes.

20 JESSICA KRATCHMAN: Yes.

21 (Off microphone discussion)

22 JACK FOSTER: Is the PMT online?

23 MALE PARTICIPANT: PMT hears, Jack.

24 JACK FOSTER: I had you on mute. Yes, we
25 have the Naval Reactors online here and DOE and as well

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1 the State Department Embassy folks and, of course, the
2 NRC, okay?

3 The DOE folks is going to get their NIT to
4 try to log in so we may have the same issue that we had
5 last time when it comes to, you know, getting tripped
6 offline here, okay?

7 So we can begin now. Did you guys make any
8 headway on some of the things that we sent you or we're
9 looking at? Is this John Tappert?

10 JOHN TAPPERT: Yes, Jack, I'm here. Yes,
11 so just to be clear the purpose of this call is to provide
12 our feedback on the (indiscernible, possibly miles) that
13 were provided.

14 JACK FOSTER: Yes, I think it's that we walked
15 away from that last meeting saying that we'd just kind
16 of caucus when we get, you know, get down the road a
17 little ways, about 3 o'clock today. I'm not sure who
18 recommended it but, okay? So what was the main --

19 MALE PARTICIPANT: Well, the idea is that
20 we need to come up with something by tomorrow for the
21 Ambassador, some sort of solid presentation, something,
22 and so we weren't making much progress earlier. We thought
23 maybe we'd make some now after everybody had a chance
24 to digest.

25 JACK FOSTER: Okay, and I think that what

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1 we came up with was three basic tasks that we were going
2 to go with and that was early warning threshold and how
3 to communicate and then protocol for consistency with
4 the different bodies that are associated with this issue.

5 MALE PARTICIPANT: Right.

6 MALE PARTICIPANT: Well, I think there's
7 two things. That last one, let me break it out in my
8 mind in two things. One is any of the various pieces
9 and parts here, things were approaching the threshold,
10 how we get together and come to consensus on that issue.

11 (b)(5)
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17 MALE PARTICIPANT: Bruce (phonetic) did the
18 daily coordination. (Indiscernible, possibly Do you
19 want the Japanese in emergency), what do you call it,
20 (indiscernible, possibly administer action) and of course
21 the D.C. and then the Ambassador can be talked to, their
22 counterparts, at any time to (inaudible), right?

23 MALE PARTICIPANT: (b)(5)
24 (b)(5)
25

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1 I couldn't get hold of Cindy (phonetic) or anybody in
2 the (inaudible) office. I thought we could get a copy
3 of it.

4 MALE PARTICIPANT: Yes, it'll be important
5 before we make a decision.

6 MALE PARTICIPANT: Right, so I'll keep
7 trying.

8 MALE PARTICIPANT: (b)(5) --

9 MALE PARTICIPANT: (b)(5)

10 (b)(5)
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12 MALE PARTICIPANT: Okay. (Indiscernible,
13 possibly Is that from the Hill Group), Neal Sherman
14 (phonetic)?

15 MALE PARTICIPANT: No. This was -- oh, yes.
16 Were they the ones that --

17 MALE PARTICIPANT: No, no. Well, it helped
18 with part of it but (inaudible) and you were part of
19 it and a couple others. Jack helped, went with it. (b)(5)

20 (b)(5)
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MALE PARTICIPANT: Do we know what their threshold for them would be?

MALE PARTICIPANT: Well, I guess we --

MALE PARTICIPANT: We were talking about that.

MALE PARTICIPANT: (b)(5)

(b)(5)

MALE PARTICIPANT: (b)(5)

(b)(5)

MALE PARTICIPANT: (b)(5)

(b)(5)

And so what Jack and I did was to basically come up with (inaudible) EPA guidance is and that is up to one millirem and then from one to five and then --

MALE PARTICIPANT: One rem.

MALE PARTICIPANT: One rem, right?

MALE PARTICIPANT: Yes, we're there.

MALE PARTICIPANT: (Inaudible) being conservative. Sorry, I'm tired. And then ten and above (indiscernible, possibly they're like that). So

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(b)(5)

MALE PARTICIPANT:

(b)(5)

(b)(5)

MALE PARTICIPANT: That was the (indiscernible, possibly trip) that Jack and I were dealing with. In the wording that EPA has it says actual or projected dose.

MALE PARTICIPANT: Yes, right.

MALE PARTICIPANT: (b)(5)

(b)(5)

MALE PARTICIPANT: Right. Right because, I mean, what I'm hearing (inaudible) is I can project that now. (Indiscernible, possibly You stretch) it out

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1 long enough and it may not be that long. I can project
2 that now without anything different happening.

3 MALE PARTICIPANT: Right.

4 MALE PARTICIPANT: So, yes, but do you agree
5 with that because that's what the NRC has to come up
6 and say, you know, based on (indiscernible, possibly
7 plant) conditions do you really want to project that
8 forward two months or whatever long it takes to reach
9 those points?

10 MALE PARTICIPANT: You can project it out,
11 you know, based on current plume information and it may
12 take 30 days to get to that but my recollection of PAGs,
13 and somebody on the PMT better informed than me can step
14 up on this, is we usually talk about PAGs as reaching
15 the dose threshold in, like, a 96-hour period.

16 MALE PARTICIPANT: That's exactly right,
17 so it's really the first four days and so we're not seeing
18 that in the next four days, is our best estimate right
19 now.

20 MALE PARTICIPANT: And so that gets to a
21 separate question of if you've got actual conditions
22 where you're not going to get there in 96 hours, which
23 is what we normally talk about in PAGs, but if you keep
24 going the way you're going without any change in conditions
25 at the plant, you're going to get there in 30 days or

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1 even 100 days, you know --

2 MALE PARTICIPANT: Well, they would have
3 to --

4 FEMALE PARTICIPANT: (Indiscernible,
5 possibly We have to hang up.)

6 MALE PARTICIPANT: Is that a factor? Is
7 there something? And then the other piece of it is PAGs
8 is, I mean, we got two options from PAGs. We got shelter
9 and evacuate.

10 (b)(5)
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20 MALE PARTICIPANT: Minimize.

21 MALE PARTICIPANT: To minimize it.

22 MALE PARTICIPANT: Yes, to minimize your
23 --

24 MALE PARTICIPANT: Could you wait one minute?
25 We got something going on here.

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1 MALE PARTICIPANT: Okay.

2 MALE PARTICIPANT: (b)(5)

3 (b)(5)

4 (b)(5)
5 MALE PARTICIPANT:

6 (b)(5)

7
8 MALE PARTICIPANT: Right, and then you have
9 iodine (inaudible).

10 MALE PARTICIPANT: And that's just your
11 iodine but you're also accumulating deposition and that's
12 going to be --

13 MALE PARTICIPANT: Yes. Frankly that's
14 going to be the bigger problem.

15 MALE PARTICIPANT: Deposition.

16 MALE PARTICIPANT: Deposition over time.

17 MALE PARTICIPANT: Over time because the
18 iodine comes through when wind's there.

19 MALE PARTICIPANT: Hey, folks. The NIT's
20 trying to dial in and I think the best way to accomplish
21 that is if you guys could call back to the Op Center
22 here and we'll put you on the bridge.

23 MALE PARTICIPANT: Roger.

24 MALE PARTICIPANT: Okay.

25 MALE PARTICIPANT: Give us 20 seconds.

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MALE PARTICIPANT: All right.

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1 (CONFERENCE CALL INITIATED)

2 0%M^I7#L04065094

3 JESSICA KRATCHMAN: Op Center, Jessica.

4 MALE PARTICIPANT: Hi, Jessica. It's the
5 Operations Officer. I've got the Japan team on the line.

6 JESSICA KRATCHMAN: Okay, thank you.

7 MALE PARTICIPANT: NRC, it's Japan.

8 JESSICA KRATCHMAN: Hi.

9 MALE PARTICIPANT: Going back online.

10 JESSICA KRATCHMAN: You're on the PMT.

11 MALE PARTICIPANT: (Indiscernible,
12 possibly We have to load) those guys back in here.

13 MALE PARTICIPANT: Well, in fact, they're
14 meeting in parallel now, aren't they, so --

15 MALE PARTICIPANT: They're putting together
16 a distribution plan (inaudible).

17 (Crosstalk)

18 MALE PARTICIPANT: That's the piece that
19 (indiscernible, possibly we're, that's some) briefing
20 earlier that I don't think we got answers on, maybe they
21 can help us with, is the risk of administration versus
22 relatively low doses of iodine.

23 (Crosstalk)

24 MALE PARTICIPANT: Are we at a point now
25 where we're talking (indiscernible, possibly the KI data

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1 or are) we talking about 10 to 20 millirem per day uptake
2 is an acceptable risk when compared against? I don't
3 know. I'm not familiar with the administration.

4 MALE PARTICIPANT: Norm (phonetic) would
5 be the guy to help with that.

6 MALE PARTICIPANT: I'm almost wondering and
7 Norm had mentioned that Trish Milligan and Ed Cooper
8 (phonetic) were getting on this. I'd almost rather Trish
9 set down and do this, that they probably come up with
10 maybe an alternative PAG for schematics because the next
11 one you hit is the two rem in the first year I think.
12 Isn't that the follow-on PAG? I've got the PAG paper
13 upstairs.

14 MALE PARTICIPANT: So do I.

15 MALE PARTICIPANT: (Inaudible). The
16 intermediate PAG because that's kind of what we're looking
17 at here. Well, we're not beyond consideration of that
18 first PAG. It's still effective. You know, we could
19 reach the point where we see those PAG levels, although
20 honestly none of the plume (inaudible).

21 MALE PARTICIPANT: Let me check to make sure
22 the PMT's still (indiscernible, possibly around).

23 MALE PARTICIPANT: Yes, the PMT's still here.
24 I don't think NIT's tied in yet so we were still working
25 that.

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1 But as far as our stuff, we're still concerned
2 it's the early phase because, you know, the release really
3 hasn't been terminated yet so we're still looking at
4 that 96-hour window as far as evaluating it.

5 MALE PARTICIPANT: Yes, and I think that
6 we may have been in phone transition when we mentioned
7 it but we were talking about if the plume remains, you
8 know, the releases remain at a stable level, then every
9 time the plume swings around we get that iodine dose
10 and it's not changing. It's just potentially
11 accumulating in an (indiscernible, possibly individual
12 uptake) over time but --

13 MALE PARTICIPANT: Refresh.

14 MALE PARTICIPANT: Yes, refresh, thank you.

15 But at the same time you're getting deposition of
16 longer-lived nuclides and gradually building up an
17 exposure rate (indiscernible, possibly in a way that
18 can) keep that in mind and keep an eye on what that's
19 doing in terms of chronic dose rates even when the plume's
20 not here.

21 MALE PARTICIPANT: Because that way you
22 won't be affected by KI.

23 MALE PARTICIPANT: Yes, we need to have phone
24 here. It's (inaudible).

25 MALE PARTICIPANT: Well, it doesn't matter

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1 if it's (indiscernible, possibly a candidate) or not.

2 The ground itself is getting to a point where (inaudible).

3 MALE PARTICIPANT: Let them know that we're
4 transferring to 6115.

5 MALE PARTICIPANT: Okay.

6 MALE PARTICIPANT: 6115 we can put as many
7 people as you want.

8 MALE PARTICIPANT: All right.

9 MALE PARTICIPANT: Okay, so can I talk to
10 them?

11 MALE PARTICIPANT: Go ahead right now.

12 MALE PARTICIPANT: Okay. Okay, folks, this
13 is the Headquarters Operations Officer. I'm going to
14 transfer you to a bridge, 6115. Please follow the prompts
15 and this will enable other calls to come in okay, guys?
16 Here we go.

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1 (CONFERENCE CALL INITIATED)

2 0%N1CN9_04065094

3 SANDRA WASTLER: Sandra Wastler with the
4 PMT.

5 MALE PARTICIPANT: Yes, hi. It's the
6 Headquarters Ops Officer. I've got Linda Howell on the
7 line for Terry Reese (phonetic).

8 SANDRA WASTLER: All right, just one moment.

9 MALE PARTICIPANT: Thanks.

10 SANDRA WASTLER: Linda Howell on the line
11 for you.

12 TERRY REESE: Hey, Linda. It's Terry. I'm
13 in turnover. Can it wait?

14 MALE PARTICIPANT: One moment, sir.

15 TERRY REESE: Linda?

16 LINDA HOWELL: Yes.

17 TERRY REESE: Yes, it's Terry.

18 LINDA HOWELL: Oh, Terry. Hi, how are you?

19 TERRY REESE: Good.

20 LINDA HOWELL: Good. Hey, listen, I wanted
21 to follow up with you on something. My folks down here
22 are helping out the HOO so we've been following a lot
23 of stuff and we're getting some of the same email.

24 But there was a State Executive Secretariat
25 SitRep that went out this morning. One of the items

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1 in this thing, and I'll just read you this statement,
2 it says, "Plume data from the U.S. Aerial Monitoring
3 Service already being shared with Japanese officials
4 is now being made public." Have you guys heard anything
5 that the AMS might be --

6 TERRY REESE: No, we have not but we just
7 made an action to call the NIT so we can ask them that,
8 but that's --

9 LINDA HOWELL: Okay. This thing, if you
10 want to see it, it's got a lot of good info in it and
11 it does identify the sources on it. I can give you --

12 TERRY REESE: Can you send it to PMT12?

13 LINDA HOWELL: PMT12?

14 TERRY REESE: Yes.

15 LINDA HOWELL: Sure, no problem. And I'm
16 not sure, I've got my guys looking at NHK to see if it's
17 Japanese who are making it public or somebody else.

18 And the reason I'm asking is that I've still
19 got a regional administrator who was out at SONGS with
20 a couple of senators yesterday and is out there in the
21 public and if it's going public somewhere I'd kind of
22 like to let him know that.

23 TERRY REESE: Okay.

24 LINDA HOWELL: Okay? And we'll send you
25 this SitRep, okay?

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TERRY REESE: Thanks.

LINDA HOWELL: All right, you're welcome.

TERRY REESE: All right, bye-bye.

LINDA HOWELL: Bye.

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1 (CONFERENCE CALL INITIATED)

2 0%N382NL04065094

3 SANDRA WASTLER: Sandra Wastler, PMT Op
4 Center.

5 MALE PARTICIPANT: Hey, Sandra. This is
6 the HOO. Is Lou Brandon there?

7 SANDRA WASTLER: Lou's not on today.

8 MALE PARTICIPANT: He's not on today?

9 SANDRA WASTLER: No.

10 MALE PARTICIPANT: Oh, hold on.

11 (Off microphone discussion)

12 MALE PARTICIPANT: Yes, are you the
13 communicator, Sandra?

14 SANDRA WASTLER: Am I what? I'm sorry.

15 MALE PARTICIPANT: Are you the communicator?

16 SANDRA WASTLER: No. Oh, actually right
17 now I'm Deputy Director of PMT.

18 MALE PARTICIPANT: Okay, I'm sorry. Is
19 there a communicator there?

20 SANDRA WASTLER: Communicator? Do we have
21 a communicator?

22 MALE PARTICIPANT: You just have a
23 coordinator?

24 SANDRA WASTLER: The coordinator's here.

25 MALE PARTICIPANT: Okay.

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1 SANDRA WASTLER: You want to talk to him?
2 MALE PARTICIPANT: Okay, I have her on the
3 PMCL bridge.
4 SANDRA WASTLER: You have who on the --
5 MALE PARTICIPANT: I have Felicia Henson
6 (phonetic) on the Protective Measures bridge.
7 SANDRA WASTLER: All right.
8 MALE PARTICIPANT: Can I transfer you there?
9 SANDRA WASTLER: Yes.
10 MALE PARTICIPANT: Okay.
11 MALE PARTICIPANT: This call may be recorded.
12 If you need the assistance of an Operations Officer,
13 press star 0. Transferring to the Protective Measures
14 Counterpart Link Conference.
15 Please select from the following menu. If
16 you are a licensee, press 1 followed by the pound key.
17 If you are a regional NRC responder, press 2 followed
18 by the pound key. If you are a headquarters NRC responder,
19 press 3 followed by the pound key.
20 MALE PARTICIPANT: Sandra, you there?
21 SANDRA WASTLER: Yes, I'm here.
22 MALE PARTICIPANT: And Felicia?
23 FELICIA HENSON: Oh, thank you very much
24 for your time.
25 MALE PARTICIPANT: You're welcome.

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1 FELICIA HENSON: Hi, Sandra.

2 SANDRA WASTLER: Hello.

3 FELICIA HENSON: So I'm Emergency Response
4 Coordinator in Region I and I need to talk with someone
5 who is familiar with the Protective Measures Team watch
6 bill.

7 SANDRA WASTLER: The watch bill?

8 FELICIA HENSON: The watch bill. I need
9 to know if certain Region I staff have been slotted to
10 come down to headquarters.

11 SANDRA WASTLER: All right. Okay.

12 FELICIA HENSON: Now, you should know
13 specifically I'm interested to know if Mike Reichard
14 is coming down.

15 SANDRA WASTLER: Okay.

16 FELICIA HENSON: There's a lot of confusion
17 and I'm trying to, like, clear it up. He doesn't know.
18 His name was submitted and he doesn't know if he's
19 scheduled to come or not.

20 SANDRA WASTLER: All right, well, can I --
21 let's see, I don't have -- does anybody have a copy of
22 the watch bill?

23 (Off microphone discussion)

24 SANDRA WASTLER: You talking about for this
25 week?

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1 FELICIA HENSON: Well, is there any long
2 term?

3 SANDRA WASTLER: They're out there. Got
4 it filled out through next week.

5 FELICIA HENSON: Yes. You can --

6 SANDRA WASTLER: All right, I'm not the right
7 person. That's the problem.

8 FELICIA HENSON: Okay, who is the right
9 person on the Protective Measures Team? Because I spoke
10 with --

11 SANDRA WASTLER: Can I have somebody give
12 you a call back that has that information and can search
13 for his name?

14 FELICIA HENSON: Okay. Now, in all fairness
15 to you I tried to work through the EST Coordinator yesterday,
16 Clyde Ragland.

17 SANDRA WASTLER: All right.

18 FELICIA HENSON: And he said he spoke with
19 the PMT Coordinator and at that time he said there was
20 no need for Mike to come, to stand watch. However, there's
21 still a lot of confusion.

22 SANDRA WASTLER: Okay. I don't know what
23 to tell you. Let me see what I can find out because
24 as far as I know the watch bill is filled for this week.
25 It's filled for next week. I don't know of any request

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1 to have Region I staff come down.

2 FELICIA HENSON: Well, I know Jack McFadden
3 is there now. He's a Region I staff member.

4 SANDRA WASTLER: Give me a number and I will
5 get somebody to call you that can you tell whether his
6 name is on the watch bill at all.

7 FELICIA HENSON: Okay, thank you. It's
8 610-337-5391.

9 SANDRA WASTLER: 5391?

10 FELICIA HENSON: That's it.

11 SANDRA WASTLER: And it was Felicia, right?

12 FELICIA HENSON: Yes.

13 SANDRA WASTLER: All right. And the
14 gentleman, spell his name. Mike -- it's Richards or
15 Reecharde (phonetic)?

16 FELICIA HENSON: It's Reichard.

17 SANDRA WASTLER: Reichard, R-E-I --

18 FELICIA HENSON: C-H-A-R-D.

19 SANDRA WASTLER: C-H-A-R-D,
20 R-E-I-C-H-A-R-D.

21 FELICIA HENSON: Yes.

22 SANDRA WASTLER: Region I, okay.

23 FELICIA HENSON: Do you know when Lou
24 Brandon's (indiscernible, possibly standing)?

25 SANDRA WASTLER: Hang on. I just had an

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1 email from Lou. Let me, if I can find it. He's back
2 on at 11:00 p.m. Friday.

3 FELICIA HENSON: Okay. And, of course, okay,
4 you're not the right person to talk to but I'd love to
5 know how they're assigning resources.

6 SANDRA WASTLER: How they're assigning
7 resources?

8 FELICIA HENSON: And it's not --

9 SANDRA WASTLER: What do you mean how they're
10 assigning resources?

11 FELICIA HENSON: I want to know when -- it
12 doesn't matter. I'll just -- my --

13 SANDRA WASTLER: No, no. You know, I'm happy
14 to answer you but I don't quite understand what you want.
15 I mean, mainly it's volunteer.

16 FELICIA HENSON: I just need to know if Mike
17 Reichard's scheduled to come.

18 SANDRA WASTLER: Okay. But assignment,
19 they're not assigning staff. People are volunteering.

20 FELICIA HENSON: Okay, thank you.

21 SANDRA WASTLER: All right. I'll get right
22 back to you.

23 FELICIA HENSON: Thank you.

24 SANDRA WASTLER: Bye-bye.

25
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(CONFERENCE CALL INITIATED)

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(No audio was recorded on the
above-referenced phone line on the above-referenced
date.)

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SANDRA WASTLER: Sandra Wastler, PMT
Operations Center.

MALE PARTICIPANT: Yes, ma'am. It's the
Headquarters Operation Officer. I have Marie Miller
on the line.

SANDRA WASTLER: Okay.

MALE PARTICIPANT: Hang on.

SANDRA WASTLER: Hey, Marie.

MARIE MILLER: Hi, who's this?

SANDRA WASTLER: This is Sandy Wastler.

MARIE MILLER: Oh hi, Sandy. Perfect person
to speak to. I'm calling in the capacity of my regular
job. I got a call from Customs and Border Protection,
the Radiation Safety Officer there.

SANDRA WASTLER: Yes.

MARIE MILLER: And his question was whether,
you know, as far as if there's questions -- I mean they're
following their regular process for screening of packages,
things like that, you know, that come in.

But they're anticipating if they were to
get questions with respect to people, whether or not
there's any screening centers or if someone is, you know,
(inaudible) has some radioactivity, you know, what's

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1 the contact as far as where they should send that person
2 or if they get questions, you know, is there a phone
3 number that they can call and I said I'll pass that question
4 on. I --

5 SANDRA WASTLER: Marie Miller in the
6 region's got a call from CBP and they're following their
7 usual procedures for screening packages but they're
8 wondering whether if they get questions about people
9 --

10 (Off microphone discussion)

11 SANDRA WASTLER: Yes, I guess. Here in the
12 U.S., coming in?

13 MARIE MILLER: Yes, here in the U.S. coming
14 in, yes.

15 SANDRA WASTLER: Coming in, are there
16 screening centers or anything --

17 MALE PARTICIPANT: No.

18 SANDRA WASTLER: No, there's --

19 MALE PARTICIPANT: Unless they've been
20 within 50 miles of the reactors in --

21 MARIE MILLER: So would it be that they would
22 be directed to contact the individual state that they're
23 --

24 SANDRA WASTLER: Contact the individual
25 state? I mean, unless they've been within 50 miles of

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1 the reactor, they're not going to have anything to write
2 home about, shall we say.

3 MARIE MILLER: Right, exactly. So I think
4 what we should do is that, you know, because it's not
5 anticipated to be a need that if there is a situation
6 that comes up that at that point, you know, they can
7 call us at the HOO or call us at their individual state
8 24-hour emergency center.

9 SANDRA WASTLER: Well, I think that would
10 be appropriate. You know, if it should arise, then they
11 could call the state and/or the HOO but we don't expect
12 anything. That's not our expectation at this point.

13 MARIE MILLER: Right, right. That's what
14 I wanted to say. I wanted to --

15 SANDRA WASTLER: Yes, DOE and EPA would be
16 the ones to, you know, handle that anyway. We wouldn't.

17 MARIE MILLER: Okay, very good. Yes, I just
18 wanted to --

19 SANDRA WASTLER: Yes, actually they should
20 call DOE.

21 MARIE MILLER: DOE?

22 SANDRA WASTLER: Yes.

23 MARIE MILLER: This Customs and Border
24 Protection is actually getting the questions internally
25 from upper management within the Department of Homeland

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1 Security so --

2 SANDRA WASTLER: Doesn't the Office of
3 Homeland Security have a Op Center up and running? They
4 maybe ought to take the questions.

5 MALE PARTICIPANT: DHS has something going.

6 SANDRA WASTLER: DHS has their own Op Center
7 running. It might be the kind of question that they
8 should ask internally.

9 MARIE MILLER: Right, which they were asking
10 internally and then I guess they wanted to check with
11 NRC just, you know, if we had anything.

12 SANDRA WASTLER: Well, you know, no. We
13 don't have anything.

14 MARIE MILLER: Good. I think that's what
15 I wanted to be able to say but without confirming it
16 I, you know, didn't want to assume that, so very good.
17 I'll pass that on to Customs and Border Protection
18 Radiation Safety Officer.

19 SANDRA WASTLER: All right.

20 MARIE MILLER: Thanks very much, Sandra.

21 SANDRA WASTLER: All right, bye-bye.

22 MARIE MILLER: Bye.

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ANNETTE STANG: Hi, you have reached Annette Stang at the Nuclear Regulatory Commission. Please leave me a detailed message along with your phone number and I'll return your call as soon as I can. Thank you.

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(CONFERENCE CALL INITIATED)

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TRISH MILLIGAN: NRC.

SANDRA WASTLER: Trish Milligan, please.

TRISH MILLIGAN: Speaking.

SANDRA WASTLER: Hey, Trish. This is Sandy Wastler. I'm at the PMT at the Op Center.

TRISH MILLIGAN: Yes.

SANDRA WASTLER: We've gotten a question about KI.

TRISH MILLIGAN: (b)(5)

(b)(5)

SANDRA WASTLER: (b)(5)

(b)(5)

TRISH MILLIGAN: (b)(5)

(b)(5)

SANDRA WASTLER: All right, the question is does NRC have any KI in the pipeline?

TRISHMILLIGAN: Who's asking that question?

SANDRA WASTLER: The Chairman.

TRISH MILLIGAN: Oh, because I've been

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1 having that same question with the White House. No.

2 SANDRA WASTLER: Well, I think it's coming
3 -- yes. I think --

4 TRISH MILLIGAN: The answer's no.

5 SANDRA WASTLER: Okay. The answer is no.

6 TRISH MILLIGAN: However, what I told HHS
7 a couple weeks ago when this first came down on the 11th
8 was that we didn't have any but I knew that some states
9 had some in their stockpiles and I could inquire as to
10 where it was and how much, you know, they had and if
11 the federal government would be able to borrow some from
12 them.

13 So I called the Commonwealth of Pennsylvania.

14 You know, (indiscernible, possibly you've got to send
15 us) Pennsylvania so I know those guys really well.

16 Called them up and said hey, guys, you know,
17 what can you do for us? I know you have 2.8 million
18 tablets as of then but they were willing to share or
19 loan to the federal government with, of course, they'd
20 get it back at some point from their stockpile.

21 (b)(5)
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24 But those are the two folks that I called
25 because I know they happen to have extremely large

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1 stockpiles and we just sent Pennsylvania like 4 million
2 and some tablets so I knew they had a chunk that they
3 hadn't got rid of yet so that's why I called Pennsylvania.

4 SANDRA WASTLER: But you got no feedback
5 from New York, I mean other than maybe.

6 TRISH MILLIGAN: New York was kind of like,
7 well, you know, maybe. (b)(5)

8 (b)(5)

9 At any rate, no, it was (indiscernible,
10 possibly always definitive) and they said they could
11 see what they could do but they weren't sure they could

12 spare it, (b)(5)

13 (b)(5)
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18 (b)(5) but they do have a large stockpile.

19 Pennsylvania's got a ton of it and, like I said, they're
20 willing to share but assuming, you know, they want it
21 back.

22 SANDRA WASTLER: Right, obviously.

23 TRISH MILLIGAN: Yes. And also Recip out
24 of Sweden and Jim Small because I called Recip.

25 SANDRA WASTLER: Oh, we have them re-ship

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1 it. We take care of all the costs.

2 TRISH MILLIGAN: Yes, but Recip, when I
3 talked to Jim Small, we were looking to get KI shipped
4 to this country. You know, they'd be able to, you know,
5 reposition it from certain places that they were using,
6 that they were manufacturing it, ship it to the U.S.

7 (b)(5)
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11 SANDRA WASTLER: Right.

12 TRISH MILLIGAN: So Recip would be able to
13 at that time. I'm not sure what their situation is now.
14 I haven't talked to Jim recently.

15 SANDRA WASTLER: Okay. That's just to get
16 it back to PA in a timely manner. We would have to do
17 some logistics.

18 TRISHMILLIGAN: Yes, we have to do something.
19 Yes and, you know, we need to give Recip a little bit
20 of lead time to order the stuff and, you know, pull it
21 together but if we need it right now Pennsylvania would
22 be willing to work with --

23 SANDRA WASTLER: My understanding I guess
24 is the Chairman wanted to see, you know, he knew that
25 we didn't have any or, no, he just wanted to make sure

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1 we didn't have any in a pipeline that hadn't gone already
2 that we could divert.

3 TRISH MILLIGAN: No. We're kind of like
4 Amazon, right? You order. We drop ship.

5 SANDRA WASTLER: Right. And we ship it
6 directly to --

7 TRISH MILLIGAN: We never touch them.

8 SANDRA WASTLER: We never touch it but they
9 wondered if there was something in, you know, that was
10 supposed to be shipped out that we could divert and we
11 don't have that.

12 TRISH MILLIGAN: No, actually no we don't
13 and what we've got is, you know, Pennsylvania willing
14 to share back with us. Now, the 200 boxes that we have
15 in the Op Center right now I did get from Pennsylvania
16 so we already owe them 200 boxes.

17 SANDRA WASTLER: Okay, and that was 2.8
18 million doses, right?

19 TRISH MILLIGAN: Right. Divide that by 20
20 and that gives you how many boxes.

21 SANDRA WASTLER: All right, 2 point divided
22 by 20. Okay, 20 doses in a box? Okay.

23 TRISH MILLIGAN: Yes, just ten days
24 basically worth of pills for 65 milligram. I think that's
25 how it's set up.

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1 SANDRA WASTLER: All right. Oh, I see.

2 Okay, all right. Thank you very much, ma'am.

3 TRISH MILLIGAN: Sure. Okay, bye-bye.

4 SANDRA WASTLER: Bye-bye.

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1 (CONFERENCE CALL INITIATED)

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3 SANDRA WASTLER: This is Sandra Wastler in
4 the PMT.

5 MARK BROWN: Sandra, this is Mark Brown
6 (phonetic) with the HOO. I have Ray Clark from the EPA
7 on the line.

8 SANDRA WASTLER: Okay. Hello?

9 RAY CLARK: Hello.

10 SANDRA WASTLER: Yes, this is Sandra Wastler
11 at the PMT.

12 RAY CLARK: Hi. Had a couple of questions
13 for you and maybe a correction. I'm Ray Clark with
14 Environmental Protection Agency, REOC.

15 SANDRA WASTLER: Okay.

16 RAY CLARK: They told me we were going to
17 be put on your distribution list and I wanted to make
18 sure that it's what we're looking for before we get a
19 bunch of stuff from you. We've been assigned to try
20 to coordinate all the monitoring data for the U.S. between
21 you guys, us --

22 SANDRA WASTLER: All right, so what you're
23 trying to do is find out whether you want to be on our
24 distribution list.

25 RAY CLARK: Well, yes, to make sure it's

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1 the right thing because --

2 SANDRA WASTLER: Okay. Would it be possible
3 to have someone call you back? We're trying to transition
4 between two different teams right now. Would that work
5 for you? I mean, can I get --

6 RAY CLARK: Sure. Well, let me give you
7 two different numbers just to be sure.

8 SANDRA WASTLER: Okay.

9 RAY CLARK: 202-250-8926 or 202-329-5683.

10 SANDRA WASTLER: Okay, it will be in the
11 next hour or so. Would that be all right?

12 RAY CLARK: Should be, yes. Yes, okay.
13 We're just trying to get your reactor monitoring data.
14 That's what we're after.

15 SANDRA WASTLER: Reactor monitoring data.

16 RAY CLARK: Environmental monitoring data
17 that they've been doing, yes.

18 SANDRA WASTLER: Reactor environmental
19 monitoring data.

20 RAY CLARK: Right. Not, like, internal to
21 the plant or anything. Just some of the plants have,
22 well, have been doing measurements apparently because
23 we've seen it.

24 SANDRA WASTLER: Right, okay, yes.

25 RAY CLARK: That's what we're trying to get.

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1 SANDRA WASTLER: Okay. Well, I will get
2 back to you, okay, or someone from the PMT.

3 RAY CLARK: I'm sorry?

4 SANDRA WASTLER: Hang on. I've got to look.
5 What's the direct number? Okay, 301-816-5419.

6 RAY CLARK: Great.

7 SANDRA WASTLER: Okay, thank you.

8 RAY CLARK: Thank you very much.

9 SANDRA WASTLER: Bye-bye.

10 RAY CLARK: Bye-bye.

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1 (CONFERENCE CALL INITIATED)

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3 NIMA: Protective Measures Team.

4 MALE PARTICIPANT: I have Pam Henderson from
5 Region I for you.

6 NIMA: Go ahead. Protective Measures Team.

7 PAM HENDERSON: Hi, this is Pam Henderson
8 in Region I.

9 NIMA: Hi, Pam. It's Nima (phonetic).

10 PAM HENDERSON: Hi, Nima. How you doing?

11 NIMA: Good. How are you?

12 PAM HENDERSON: Good. I've been sending
13 emails about I-131 being found at plants in the Northeast
14 and --

15 NIMA: Right, I saw yours about the press
16 release.

17 PAM HENDERSON: Yes, well they're not --
18 I just sent another one. Now they're saying they're
19 not going to do the press release, that NEI will be
20 representing the industry.

21 And this is the concern that I've had and
22 been discussing with you guys since yesterday, that,
23 you know, we're not really saying anything about this
24 and the licensees are giving us this information.

25 (b)(5)

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1 (b)(5)
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3 So I just wanted to give you that heads up.

4 Like I said, I just sent you another email where the
5 resident informed me that the licensee's not going to
6 send it out but NEI is in there.

7 So I don't know if your Public Affairs wants
8 to start engaging with NEI to, you know, get a heads
9 up on the press release and see what's going on out there
10 but --

11 NIMA: So this press release is going to
12 address measurements found at plants across the country?

13 PAM HENDERSON: It's not very specific,
14 okay?

15 NIMA: Okay.

16 PAM HENDERSON: It just says we're not
17 releasing it. NEI's going to represent the industry.

18 Now, I don't know whether that means NEI's going to
19 do a press release or what they're going to do but, yes,
20 it would be on the fact that they're seeing I-131 that
21 exceeds reporting levels.

22 If, you know, they see it over a period of
23 time, they have 30 days to report if that iodine is a
24 result of what's going on at the plant. Now they're,
25 I guess, trying to say, look, this isn't a result of

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1 what's going on at the plant. It's what's going on in
2 Japan.

3 NIMA: Japan, right, right.

4 PAM HENDERSON: (b)(5)

5 (b)(5)

6 (b)(5)
7 NIMA:

8 (b)(5)

9 PAM HENDERSON: (b)(5)

10 (b)(5)

13 --

14 NIMA: Well, the reactors on the West Coast
15 have been receiving air samples.

16 PAM HENDERSON: Yes.

17 NIMA: But they've been just above the
18 minimum detection level.

19 PAM HENDERSON: But, you know, they saw
20 things like this during Chernobyl, where there were little
21 pockets depending on the air streams and things like
22 that.

23 And Ginna and Nine Mile are about 90 miles
24 away from each other and then we just got a report from
25 Millstone also, which I forwarded earlier where that

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1 one is above also.

2 So I don't know whether it just bypassed
3 the West Coast or just a little bit hit there but, I
4 mean, I would be concerned about trying to get information,
5 you know, not just from Region I but from all the regions
6 about -- I mean I realize that something is happening
7 with an information notice that went out about Chernobyl,
8 that we're developing something like that, but can't
9 we just send out a blast and say to all the plants what
10 are you seeing?

11 NIMA: We sent out some kind of generic
12 communication.

13 PAM HENDERSON: Well, we didn't know
14 anything about that. Nothing's been said to us about
15 that. I'd sure appreciate seeing a copy of that if a
16 generic, something went out to our licensees --

17 NIMA: Okay, I'll see if I can pull that
18 up.

19 PAM HENDERSON: -- because that would be
20 reassuring to us because we're just getting these things
21 piecemeal.

22 NIMA: I'll have to read it but what I've
23 heard is that we're not requiring plants to notify us.

24 PAM HENDERSON: Right, it would be
25 voluntary.

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1 NIMA: Yes, okay, I'll see if I can pull
2 that but also let the Director here know about the NEI
3 effort to get a press release out and I'll talk to OPA
4 as well.

5 PAM HENDERSON: Well, again, they didn't
6 say NEI would issue a press release. They said they
7 weren't going to, that NEI would represent the industry.

8 So that implies that NEI's going to be the
9 one to issue something, but somebody should be contacting
10 NEI to find out what's going on because if it comes from
11 them and we don't know about it, it's not going to be
12 good.

13 NIMA: Okay, sounds good.

14 PAM HENDERSON: Okay?

15 NIMA: Thanks, Pam.

16 PAM HENDERSON: All right, bye.

17 NIMA: Bye.
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1 (CONFERENCE CALL INITIATED)

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3 VINCE HOLAHAN: PMT, Vince Holahan. This
4 is a recorded line.

5 MALE PARTICIPANT: I have Pam Henderson from
6 Region I wanting to speak with you, sir.

7 VINCE HOLAHAN: All right, thank you.

8 MALE PARTICIPANT: Connecting you now.

9 PAM HENDERSON: Hello?

10 VINCE HOLAHAN: Hi, this is Vince Holahan
11 with the PMT Team. This is a recorded line. How can
12 we help you?

13 PAM HENDERSON: Hi. I just spoke to Nima
14 (phonetic) a little while ago. This is Pam Henderson
15 from Region I.

16 VINCE HOLAHAN: Okay.

17 PAM HENDERSON: And I've been forwarding
18 emails. (b)(5)

19 (b)(5)

20 (b)(5)

21 There's three that have reported it, Ginna,
22 Nine Mile and Millstone.

23 And I'm wondering if you guys are passing
24 that along to the Federal Liaison Team because it would
25 be something that EPA, I guess, should be concerned about,
you know, and, in addition, the states aren't yet aware

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1 of this.

2 And I just got an email that NEI is going
3 to follow up on this and they have a blog going and I
4 would really hate to see information come out in an NEI
5 blog about iodine being seen in the Northeast (b)(5)

6 (b)(5)

7
8 I mean, that's just my concern and, you know,
9 so I guess can you elevate this to the ET and make sure
10 the federal family know about this?

11 VINCE HOLAHAN: Yes, we were just discussing
12 this issue not more than about five minutes ago.

13 PAM HENDERSON: All right.

14 VINCE HOLAHAN: Yes, one of the things that
15 there is, there's an information notice that went out
16 shortly after Chernobyl.

17 PAM HENDERSON: Yes, I am aware of that.

18 VINCE HOLAHAN: And what we're talking about
19 doing is reissuing that at the appropriate time where
20 we've got a collection mechanism here. That would be
21 sent in to the Op Center.

22 And then we're talking about sending that
23 over to NRR where each of the (indiscernible, possibly
24 PMs) would take a look at that data because we're talking
25 about a lot of data and then that would be distributed

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1 in some manner. Now, we got --

2 PAM HENDERSON: That's not going to solve
3 the -- I mean, that's good because we'll be able to get
4 information from other plants and find out what's going
5 on in the whole continental United States.

6 VINCE HOLAHAN: And we just got a phone call
7 while we were doing a shift change from Mr. Ray Clark
8 at EPA.

9 PAM HENDERSON: There you go.

10 VINCE HOLAHAN: They're the ones that do
11 the reactor environmental monitoring data.

12 PAM HENDERSON: There you go, yes.

13 VINCE HOLAHAN: They're wanting to know if
14 this data's coming in and how it's coming in so we're
15 going to coordinate with him as well.

16 PAM HENDERSON: Okay, so we've got three
17 plants that have seen elevated levels so far reported.

18 VINCE HOLAHAN: And Nima's been running a
19 list wherever that list went.

20 PAM HENDERSON: Okay.

(b)(5)

21 (b)(5)

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24
25 I don't know how much detail NEI's going

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1 to include in whatever it is they're doing or whether
2 it's going to be in a blog or a press release but initially
3 we were told that the licensee was going to do a press
4 release and that, you know, would be pretty horrible
5 if we weren't somehow involved. I mean, they can do
6 whatever they want but we'd sure like a heads up on that
7 and make sure that -- it should be the federal family.

8 VINCE HOLAHAN: Yes. Pam what's your
9 number?

10 PAM HENDERSON: I'm at 610-337-5114 and,
11 let's see, EPA has just issued a press release. Why
12 isn't it coming up? Okay, hold on. Okay, "Radiation
13 monitors continue to confirm that no radiation levels
14 of concern have reached the United States."

15 And that's true.

(b)(5)

16 (b)(5)

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21 It says trace amounts of radioactive iodine,
22 cesium and (indiscernible, possibly solarium) consistent
23 with the Japanese nuclear incident because what -- and
24 that's good that they did that.

25 VINCE HOLAHAN: Yes, well, we got our first

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1 reports I believe it was Friday evening.

2 PAM HENDERSON: Okay, all right. Okay. I

3 just, you know, (b)(5)

4 (b)(5)

5 (b)(5) and, anyway, thank

6 you.

7 VINCE HOLAHAN: Okay, thank you, Pam.

8 PAM HENDERSON: All right, bye-bye.

9 VINCE HOLAHAN: Okay, bye-bye.

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1 (CONFERENCE CALL INITIATED)

2 0%NGA-0604065094

3 VINCE HOLAHAN: PMT, Vince Holahan.

4 MALE PARTICIPANT: Yes, I've got John
5 Nasstrom for you.

6 VINCE HOLAHAN: Say again.

7 MALE PARTICIPANT: John Nasstrom.

8 VINCE HOLAHAN: Okay, thank you. John
9 Nasstrom?

10 FEMALE PARTICIPANT: Nasstrom? Oh, NARAC.

11 FEMALE PARTICIPANT: NARAC.

12 MICHELLE HART: Hello?

13 JOHN NASSTROM: Hi, this is John Nasstrom
14 from NARAC.

15 MICHELLE HART: Hi, this is Michelle Hart.
16 I'm back again.

17 JOHN NASSTROM: Hi, Michelle, welcome back.
18 Bruce (phonetic) called me a bit ago and he was just
19 checking to make sure we'd gotten the latest on the
20 supercore, that it was all, I guess that (indiscernible,
21 possibly DCMA) just wanted to confirm that it was all
22 old fuel.

23 Is that right, because there were the Unit
24 4A and the Unit 4B in the original analysis that we got
25 from you and the Unit 4A was originally assumed to be

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1 30 days old core and then Unit 4B was one to two years
2 old.

3 MICHELLE HART: That's correct.

4 JOHN NASSTROM: So I guess is it true that
5 both Unit 4A and 4B are now known to be one to two years
6 old? Is that right?

7 MICHELLE HART: A is now known to be 105
8 days old.

9 JOHN NASSTROM: A hundred and five, okay.

10 MICHELLE HART: And we did look at that.
11 Well, actually it's 104. Excuse me, I read the wrong
12 thing. And so yes, of course, that would bring the iodine
13 down. Of course, it's all driven by the reactors now
14 but it reduced it from -- 4A was 4.58 E to the 6 curies
15 of iodine-131.

16 JOHN NASSTROM: Oh, good. Let me find that
17 number so I can put (indiscernible, possibly a corrected
18 sheet) here. Okay, so say again. Unit 4A --

19 MICHELLE HART: 4A.

20 JOHN NASSTROM: Iodine --

21 MICHELLE HART: 131.

22 JOHN NASSTROM: Right.

23 MICHELLE HART: I have 4.58 E 6.

24 JOHN NASSTROM: Right.

25 MICHELLE HART: When we did the calculation

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1 again for the 104-day discharge, it looks like we have
2 4.0 E 3.

3 JOHN NASSTROM: Right, and I guess the other
4 iodines don't really matter, right? So did those change
5 as well obviously?

6 MICHELLE HART: Those did change. We did
7 not write new numbers for them. They were small in the
8 first place.

9 JOHN NASSTROM: And their half life is small
10 to begin with.

11 MICHELLE HART: Right. The only ones that
12 showed up in that were the 132 and 133 and they were
13 already pretty low, so we were not going to re-calculate
14 anything.

15 What Bruce had told me, it was something
16 that we could have communicated better later on but,
17 yes, originally that was run with 30-day fuel, 30-day
18 discharge.

19 JOHN NASSTROM: Okay. Yes, I just wanted
20 to confirm that I had it straight and thanks a lot.

21 MICHELLE HART: Right, right. And so the
22 total curie release for iodine-131 changed from 7.27
23 E 6 to 2.69 E 6 so it stayed in the same order of magnitude
24 so that's why we're not as concerned that we've way
25 over-estimated or anything like that.

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1 JOHN NASSTROM: Oh, that's a good point.
2 That's a very good point because, yes, you have the Reactor
3 2, yes.

4 MICHELLE HART: Reactor 2 and --

5 JOHN NASSTROM: If you're just seeing spent
6 fuel (indiscernible, possibly on us) it makes a big
7 difference.

8 MICHELLE HART: Right.

9 JOHN NASSTROM: When you include the reactor,
10 it's same order of magnitude, yes.

11 MICHELLE HART: Right, and so the reactor's
12 still driving it.

13 JOHN NASSTROM: Yes, okay. Thank you.

14 MICHELLE HART: We were going to bring this
15 up on the call with the NIT later but just so you're
16 aware. I mean, I know he called you before.

17 JOHN NASSTROM: Yes, is that the 5:00 p.m.
18 Eastern call you're talking about?

19 MICHELLE HART: Yes, yes.

20 JOHN NASSTROM: Okay, good.

21 MICHELLE HART: All right.

22 JOHN NASSTROM: All right, talk to you later.

23 MICHELLE HART: Okay, thanks. Bye-bye.

24 JOHN NASSTROM: Bye-bye.

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1 (CONFERENCE CALL INITIATED)

2 0%O!\$E@604065094

3 VINCE HOLAHAN: PMT, Vince Holahan.

4 KEVIN RYAN: Hi, my name's Kevin Ryan. I'm
5 with INPO and I've been handling the emergency response
6 procedures this week for the Japanese event and I just
7 got a call from somebody in the NRC. (b)(6)

8 (b)(6) but I think it's Casper Sun and they asked that
9 I return their call.

10 VINCE HOLAHAN: Okay. Hold on just a second.

11 KEVIN RYAN: Thank you.

12 (Pause.)

13 CASPER SUN: Good evening.

14 KEVIN RYAN: Hi.

15 CASPER SUN: This is Casper Sun speaking.

16 KEVIN RYAN: Yes. This is Kevin Ryan at
17 INPO.

18 CASPER SUN: Kevin Ryan. Let me write that
19 down, okay. Kevin, the reason I call is I have a request
20 from one of the managers saying that and are you the
21 one in rotation monitoring that Japanese event?

22 KEVIN RYAN: Yes, I was there yesterday but
23 there's somebody else in the building today. I'm at
24 home right now.

25 CASPER SUN: You're home right now?

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1 KEVIN RYAN: Yes, so you want to talk to
2 the Emergency Response Center?

3 CASPER SUN: Yes.

4 KEVIN RYAN: Okay. Let me see if I can give
5 you a better number so that you can call right in.

6 CASPER SUN: Okay, okay.

7 KEVIN RYAN: The Emergency Response Center,
8 here's the number, 770-644 and, here, I'll give you three
9 numbers, 8021 --

10 CASPER SUN: 802 -- now the pen working here,
11 8021. Go ahead.

12 KEVIN RYAN: Or 8022.

13 CASPER SUN: 8022. Somebody going to answer
14 the phone, right?

15 KEVIN RYAN: Yes, somebody will answer the
16 phone because we are manned right now in that room.

17 CASPER SUN: Okay great, Kevin. Thank you
18 so much for call me back and let me call -- I need to
19 talk with somebody who in charge there.

20 KEVIN RYAN: Yes, that'll get you to the
21 person in charge.

22 CASPER SUN: Okay. Before you hang up, are
23 you familiar with this name? (Indiscernible, possibly
24 Is first name call L.) The last name is H-O-C-K --

25 KEVINRYAN: Yes, Elhochava (phonetic) works

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1 for INPO.

2 CASPER SUN: Yes, yes, yes. Working for
3 INPO and --

4 KEVIN RYAN: Yes, he's on his way to Japan
5 to talk to the NRC contingent that's in Tokyo.

6 CASPER SUN: Okay. And I understand he said
7 he can access 1 million dose of the KI?

8 KEVIN RYAN: Yes, but if you call in -- I
9 understand that we've located that, the potassium iodide
10 tablets, but if you call that number that I gave you,
11 they should be able to help you.

12 CASPER SUN: Wonderful. So which number
13 you want me call first, 21 or 22?

14 KEVIN RYAN: 21.

15 CASPER SUN: 21, okay great. Kevin, you
16 have good evening. Thank you so much.

17 KEVIN RYAN: Sure, certainly.

18 CASPER SUN: Okay, bye-bye.

19 KEVIN RYAN: Bye-bye.

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VINCE HOLAHAN: PMT, Vince Holahan speaking.

MALE PARTICIPANT: Yes, I have Mike McMurphy
(phonetic) from SONGS. He's got some information for
you.

VINCE HOLAHAN: Okay, hold one moment. Oh,
doggone it.

MALE PARTICIPANT: Okay, connecting you now.

VINCE HOLAHAN: Okay. Hi, this is Vince
Holahan from the PMT. This is a recorded line.

MIKE MCBREARTY: Hi, Vince. My name's Mike
McBrearty. I'm with the Nuclear Regulatory Affairs Group
at San Onofre Nuclear Generating Station and I'm calling
just to give an update on our air sample results for
today.

VINCE HOLAHAN: Yes, hold on just a second
here.

MIKE MCBREARTY: Sure.

VINCE HOLAHAN: And that was Mike McMurphy?

MIKE MCBREARTY: McBrearty.

VINCE HOLAHAN: How do you spell that, M-C

--

MIKE MCBREARTY: It's M-C-B-R-E-A-R-T-Y.

VINCE HOLAHAN: Okay, and what's your

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1 contact information, your phone number?

2 MIKE MCBREARTY: Oh, I'll give you my cell
3 because I --

4 VINCE HOLAHAN: That's fine.

5 MIKE MCBREARTY: (b)(6)

6 VINCE HOLAHAN: Great, go ahead.

7 MIKE MCBREARTY: Okay, for iodine-131 we
8 were measuring between 5 and 6 E to the minus 13 microcuries
9 per cc.

10 VINCE HOLAHAN: Okay.

11 MIKE MCBREARTY: And for cesium-137, we
12 measured 7 E to the minus 14 microcuries per cc.

13 VINCE HOLAHAN: And when were the samples
14 taken?

15 MIKE MCBREARTY: They were taken over a
16 24-hour period. I don't have the start and stop times
17 and then they were counted over a one-hour period today
18 so we would have started the sample yesterday and completed
19 it today. I don't have the exact times.

20 VINCE HOLAHAN: So it would have been 22
21 to 23 March.

22 MIKE MCBREARTY: Yes.

23 VINCE HOLAHAN: No exact times. Hey, Mike,
24 I appreciate it.

25 MIKE MCBREARTY: And, Vince, what was your

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1 last name?

2 VINCE HOLAHAN: Holahan, H-O-L-A-H-A-N.

3 MIKE MCBREARTY: Got it. Okay.

4 VINCE HOLAHAN: Hey, have a good night.

5 MIKE MCBREARTY: You too. Bye.

6 VINCE HOLAHAN: Okay, thanks very much.

7 Bye-bye.

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1 (CONFERENCE CALL INITIATED)

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3 CINDY JONES: Cindy Jones, NRC. This is
4 a recorded line.

5 MALE PARTICIPANT: Hi, Cindy. I didn't know
6 I would get you, but this is Headquarters Operations
7 Officer and I was calling because Jack Foster had called
8 us here and said that apparently he's in some secure
9 area in Japan and they were trying to reach the PMT for
10 a call.

11 CINDY JONES: Yes.

12 MALE PARTICIPANT: He was unable to do so
13 right now but they're trying to get things set up to
14 do that.

15 CINDY JONES: Okay.

16 MALE PARTICIPANT: So he wanted me to relay
17 that message back to the PMT.

18 CINDY JONES: Great. And then when it comes
19 through, you'll patch it through here?

20 MALE PARTICIPANT: Yes, I will.

21 CINDY JONES: Perfect. Thank you very much.

22 MALE PARTICIPANT: Okay, bye.

23 CINDY JONES: Bye-bye.

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1 (CONFERENCE CALL INITIATED)

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3 CINDY JONES: Cindy Jones, PMT. This is
4 a recorded line.

5 MALE PARTICIPANT: Cindy, I've got Jack
6 Foster on the line from the Japan Team.

7 CINDY JONES: Okay, thank you.

8 MALE PARTICIPANT: Transferring him.

9 CINDY JONES: Hello, Jack?

10 JACK FOSTER: Hey, yes. Who's this, Sandy
11 (phonetic)?

12 CINDY JONES: Hi; this is Cindy Jones.

13 JACK FOSTER: Who is it? I'm sorry.

14 CINDY JONES: Cindy Jones.

15 JACK FOSTER: Oh, okay, okay. Yes, we were
16 going to have a meeting with you guys. I think I said
17 something about it happening at around 10 o'clock our
18 time.

19 But I was pulled into another meeting, a
20 similar meeting to it, so I wasn't able to call. We
21 actually tried to call. Couldn't get through. We were
22 on a secure space that wouldn't allow the unmuting of
23 the mic so who all's there?

24 CINDY JONES: Everybody join in.

25 VINCE HOLAHAN: Hey, Jack. Vince Holahan.

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1 JACK FOSTER: Hey, how you doing, Vince?
2 Got a few things to put out to you but essentially we're
3 sort of on standby with the talking notes and I did talk
4 to Troy Mueller with Naval Reactors. He is going to
5 make sure that when we get the talking notes for the
6 Ambassador we will make sure you get a copy of them,
7 you know, and take a look at them, okay?

8 FEMALE PARTICIPANT: We appreciate that
9 because we didn't get anything to comment on.

10 JACK FOSTER: Exactly and I saw your email
11 and actually responded to you and copied Greg --

12 MALE PARTICIPANT: Johnstone (phonetic).

13 JACK FOSTER: -- Johnstone. He's the State
14 Department guy that's sort of heading the effort on that
15 part of it.

16 And from my end, this is not the official
17 meeting that I talked about that we'd have at 10 o'clock,
18 but I do have Bruce (phonetic) from the State Department
19 Embassy here and myself and just wanted to kind of, you
20 know, apologize, at least I wanted to apologize, for
21 not being able to connect with you at 10 o'clock or at
22 least giving you notice that I wouldn't be able to.

23 But a couple questions that I have.

(b)(5)

24 (b)(5)

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FEMALE PARTICIPANT:

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(b)(5)

JACK FOSTER: Okay. Then I'm okay then.

Then that's all I wanted to know. That's I guess where

I was going because

(b)(5)

(b)(5)

FEMALE PARTICIPANT:

(b)(5)

(b)(5)

JACK FOSTER: Right, okay.

FEMALE PARTICIPANT:

(b)(5)

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1 (b)(5)

2 JACK FOSTER:

(b)(5)

3 (b)(5)

4
5 FEMALE PARTICIPANT: Right.

6 JACK FOSTER: Okay, that sounds great. I
7 tell you what, I'll keep the information coming to you
8 and as soon as we get the talking points you'll be the
9 first to see them, okay? And essentially the talking
10 points are going to be no different than what you and
11 I just talked about right now.

12 FEMALE PARTICIPANT: Okay, great. And you
13 have PMT12 as the email address, correct?

14 JACK FOSTER: Yes, ma'am, I do and actually
15 I have been sending stuff to you for the last couple
16 weeks on and off to PMT12 and I've also let the people
17 know that routinely distribute these monitoring
18 information to keep you guys in the loop, not only the
19 monitoring information but the status update and, you
20 know, the AMS flyovers and stuff like that, okay?

21 FEMALE PARTICIPANT: Right.

22 JACK FOSTER: So you should be seeing that
23 routinely. If it ever gets disrupted let me know, okay?

24 FEMALE PARTICIPANT: Okay. Anybody else
25 have any questions here?

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1 MALE PARTICIPANT: Do you have John Thorp
2 working with you?

3 JACK FOSTER: Who?

4 MALE PARTICIPANT: Thorp.

5 JACK FOSTER: John Thorp?

6 FEMALE PARTICIPANT: From NRR. I think he's
7 here.

8 MALE PARTICIPANT: Maybe he's here. Okay,
9 never mind, disregard.

10 JACK FOSTER: I do know John. Tell him I
11 said hi.

12 FEMALE PARTICIPANT: Okay, will do.

13 JACK FOSTER: Okay, not here. Okay, any
14 other questions?

15 FEMALE PARTICIPANT: No, I think we're good
16 on this side. Thanks very much, Jack.

17 JACK FOSTER: Just one other thing too is
18 we're going to have replacements start coming in I think
19 on the 24th, which is today actually, isn't it?

20 MALE PARTICIPANT: Today here.

21 JACK FOSTER: Yes, so Marie Miller's
22 actually flying out today. Should be in Friday, which
23 means I'll do a turnover with her on Saturday, you know,
24 for the interface for the PMT. And so we'll be calling
25 you up on probably Saturday to kind of go over some of

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1 the details on our interactions and I'll be coming back
2 early next week.

3 FEMALE PARTICIPANT: Okay. Well, when you
4 get a time that works well with you, just send us an
5 email and we'll make sure that the next team knows about
6 it so they can be on the lookout for your call.

7 JACK FOSTER: You know, if you do have, like,
8 expectations of some of the things that we, you know,
9 some deliverables and things like that, let us, you know,
10 you might want to write those up and let us know.

11 I think that in the first go around with
12 me coming here there wasn't a real clear vision of all
13 the activities and interface with you guys, which is
14 understandable because we were, you know, it was like
15 crisis mode.

16 But I think that now the next set of things
17 that we do should be, you know, sort of processed and
18 tracked so we'll talk about that when Marie gets here,
19 okay?

20 FEMALE PARTICIPANT: Okay, great. Hey,
21 while we've got you on the phone let me see if I can
22 find the rest of the team. One of the things that we
23 were asked to look at was the KI requirements for adults
24 and for infants and on the news in Japan it has reported
25 levels for, what, 100 becquerel per cubic meter?

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1 MALE PARTICIPANT: Kilogram.

2 FEMALE PARTICIPANT: Kilogram, excuse me,
3 for infants and 300 for adults.

4 JACK FOSTER: Right.

5 FEMALE PARTICIPANT: And the numbers we have
6 for (inaudible) is about the same as what we have but
7 for adults we have, what's the number, 2420 for adults.

8 JACK FOSTER: Okay, okay.

9 FEMALE PARTICIPANT: If you could find out
10 perhaps, is that 300 -- we're trying to find out what
11 the discrepancy is really.

12 JACK FOSTER: Do me a favor, put that in
13 an email and I'll definitely print it out. I'm not sure
14 how I'll be able to find it because I'm not sure, you
15 know, the Japan regulatory agency.

16 Our primary responsibilities here, believe
17 it or not, for the Japan Team is for reactor safety so
18 when we go around or beyond that reactor safety part
19 of it, and this I guess could be construed as that, there's
20 a few more switches to turn to align correctly to get
21 the right person in the meetings.

22 FEMALE PARTICIPANT: Okay, well, that's good
23 for us to know too. I wasn't aware of that.

24 JACK FOSTER: You know, I think that's been
25 an evolution, you know, and evolved.

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1 MALE PARTICIPANT: (b)(5)

2 (b)(5)
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4 JACK FOSTER: (b)(5)

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15 MALE PARTICIPANT: (Inaudible).

16 JACK FOSTER: -- yes, air sampling. Not
17 air sampling but, you know, air and DOE is ground sampling
18 and sort of the AMS thing, okay? So --

19 FEMALE PARTICIPANT: Okay, very good.

20 JACK FOSTER: That's a tidbit of information.
21 Pass that along and let me know what you hear back,
22 okay?

23 FEMALE PARTICIPANT: Yes. Very good.
24 Thank you very much.

25 JACK FOSTER: Okay, bye-bye.

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FEMALE PARTICIPANT: Bye.

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(CONFERENCE CALL INITIATED)

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1 (CONFERENCE CALL INITIATED)
2
3 SAM BAZIAN: Information security, Sam
4 Bazian.

5 CINDY JONES: Yes hi, Sam. This is Cindy
6 Jones from the PMT. How are you?

7 SAM BAZIAN: Good, how are you?

8 CINDY JONES: Good. Hey, we have one of
9 the documents that you brought over if you want to pick
10 it up. We have comments on it. It came from, let's see
11 --

12 SAMBAZIAN: It was (indiscernible, possibly

13 (b)(5), right?

14 CINDY JONES: Yes.

15 SAM BAZIAN: Okay, yes, we'll --

16 CINDY JONES: Yes, (indiscernible, possibly

17 (b)(5) this one.

18 SAM BAZIAN: (b)(5) Okay,

19 not a problem. We'll be over in a few minutes.

20 CINDY JONES: Okay, great. Thank you.

21 SAM BAZIAN: You're welcome.

22 CINDY JONES: Bye-bye.
23
24
25

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UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

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JAPAN'S FUKUSHIMA DAIICHI
PMT RAAD ASST DIRECTOR AUDIO FILES

+ + + + +

THURSDAY,
MARCH 24, 2011

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1
2 (CONFERENCE CALL INITIATED)

3 JESSICA KRATCHMAN: Ops Center, Jessica.

4 HEADQUARTERS OPERATIONS OFFICER: This
5 is the Headquarters Ops. I have James from Palo
6 Verde wants to connect with you.

7 JESSICA KRATCHMAN: Okay.

8 HEADQUARTERS OPERATIONS OFFICER: Thank
9 you.

10 JAMES: Hello?

11 JESSICA KRATCHMAN: This is Jessica with
12 the PMT. How are you?

13 JAMES: Hi, Jessica. This is James
14 (indiscernible, possibly *) Generating Station. I'm
15 doing fine. I just wanted to verify I sent you an
16 electronic mail with our lead sample results.

17 JESSICA KRATCHMAN: Yes, we got it.

18 JAMES: You got it, okay. Yes, I sent
19 it from a Blackberry. I'll send you, when I get the
20 results from (indiscernible, possibly "Arch"). It
21 should be a little bit earlier, but I'll send you a
22 summary of all of the samples we've taken today like
23 I did yesterday.

24 JESSICA KRATCHMAN: Okay, great.

25 JAMES: All right.

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1 JESSICA KRATCHMAN: Thank you.

2 JAMES: You're welcome. You have a good
3 evening.

4 JESSICA KRATCHMAN: Bye bye.

5 JAMES: All right, bye.
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(CONFERENCE CALL INITIATED)

JESSICA KRATCHMAN: Op Center, Jessica.

HEADQUARTERS OPERATIONS OFFICER: Yes,
this is HOO. We have Jeff Foster (phonetic) on,
wants to talk to PMT.

JESSICA KRATCHMAN: Okay, sure.

HEADQUARTERS OPERATIONS OFFICER:
Transferring now.

JESSICA KRATCHMAN: Thank you. Hi,
Jack. This is Jessica.

JACK FOSTER (phonetic): Hi, Jessica.
How are you?

JESSICA KRATCHMAN: Good. How are you?

JACK FOSTER: Good. I just wanted to
tell you that I know that during our discussions
over the last couple of days there was some talk
about trying to get forstrom (phonetic) information.

And I've got something that Riklin
(phonetic) threw all my stuff about from 3/21 and
I'll fax it to you. Most of it's in Japanese, so
you may have to use the translator I think that the
Liaison Team has.

JESSICA KRATCHMAN: Yes, we have a
translator.

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1 JACK FOSTER: Okay. So I mean, you
2 know, Tony's here and he actually knows a little bit
3 of Japanese. So we hand wrote in some of the
4 information but, you know, use it as you see
5 necessary. And if you like it, maybe we can make
6 it, you know, get more of it.

7 JESSICA KRATCHMAN: Okay. That would be
8 great.

9 JACK FOSTER: Okay. And the second
10 thing is that in the PMT 12 mailbox also there
11 should be the talking points for sort of the Embassy
12 Ambassador's briefing sheets.

13 It's about six or seven pages. The name
14 of it is Radiological Assessment, Fukushima Daiichi
15 Reactors Focus Areas and Harmonization Between U.S.
16 Agencies.

17 So you know, I'll offer that you look at
18 it. I think that time's getting kind of close to
19 receive or do any comments on it, you know, or do
20 any revisions on it. But this has been, for the
21 most part, vetted I think from a higher standpoint
22 than me to where I think it's pretty close to
23 acceptable. Okay?

24 JESSICA KRATCHMAN: Okay.

25 JACK FOSTER: So those are the only two

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1 things I was wanting to talk about. Do have some
2 other things going on. We typically have a 4:00
3 meeting.

4 So, you know, I was thinking about just
5 going ahead and cancel the PMT part or, you know, or
6 print it out later because I got some other things
7 going. If you guys don't have any objection, I
8 would like to do that.

9 JESSICA KRATCHMAN: Is that cool, Randy?

10 RANDY SULLIVAN: No, we have no
11 objection.

12 JACK FOSTER: Okay. Who is this? Is
13 this Randy?

14 RANDY SULLIVAN: What's left of him.

15 JACK FOSTER: Oh Randy, I hope you're
16 doing okay. I know you guys got it tough there.

17 RANDY SULLIVAN: Hey, I got one question
18 for you.

19 JACK FOSTER: Okay, I'm here. I'm here
20 to serve.

21 RANDY SULLIVAN: We've been given these
22 containment high range monitor readings. Supposedly
23 they're INPO data. Have you heard anything about
24 that?

25 JACK FOSTER: Containment high range?

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1 RANDY SULLIVAN: Monitor readings, yes.

2 JACK FOSTER: And that would be for the
3 Fukushima Daiichi plants?

4 RANDY SULLIVAN: Yes, Unit 1, 2, and 3.

5 JACK FOSTER: Wow.

6 RANDY SULLIVAN: You're not aware of any
7 such a thing?

8 JACK FOSTER: And who's supposed to have
9 given you that?

10 RANDY SULLIVAN: INPO.

11 JACK FOSTER: You didn't INPO, did you?

12 RANDY SULLIVAN: I said INPO.

13 JACK FOSTER: I didn't think INPO was
14 here yet, but okay.

15 RANDY SULLIVAN: I don't know how they
16 would have gotten this.

17 JACK FOSTER: Containment high range
18 INPO data.

19 RANDY SULLIVAN: No, no. Containment
20 high range monitor readings.

21 JACK FOSTER: Oh monitor readings, okay.

22 RANDY SULLIVAN: Given to us by INPO,
23 the Institute of Nuclear Power Operations.

24 JACK FOSTER: Yes, I know what that is,
25 yes. Sorry. And you said INPO, right? And I do

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1 know what that is, you know, actually pretty well.
2 Do you have a point of contact, and was that
3 individual from here?

4 RANDY SULLIVAN: No, I have no point of
5 contact. I only have data.

6 JACK FOSTER: It just said basically
7 containment high range monitor reading from INPO,
8 okay. I haven't heard anything about it and I don't
9 think I sent it. I don't think DOE sent it.

10 And I wasn't aware that there was
11 actually any readings, but I would like to ask the
12 reactors guys if they, you know, they do have some
13 data sheets that have that information or not that
14 information, but information on it.

15 RANDY SULLIVAN: Jack, one of my staff
16 here just gave me this reading off of a reactor
17 systems data sheet.

18 JACK FOSTER: Okay that sounds like
19 that's possible, yes.

20 RANDY SULLIVAN: Like it's in Japanese.

21 JACK FOSTER: Okay.

22 RANDY SULLIVAN: I don't know why they
23 told me INPO. It might have come through INPO, but
24 yes that's where these readings came from.

25 JACK FOSTER: Okay. And It came from

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1 INPO and it's, okay. Well, you know, perhaps we may
2 have that information among the reams of paper that's
3 going across and I'll look for it.

4 RANDY SULLIVAN: No, no. No further
5 action. I was just asking if you were aware of it
6 and --

7 JACK FOSTER: Yes.

8 (Crosstalk)

9 JACK FOSTER: Randy, you're probably
10 familiar with this in a crisis' situation like this,
11 we have, like, tons of, you know, and what

12 (b)(5)

13
14
15
16
17 But that being said, and not to mention
18 that every sheet becomes, I mean every data set is
19 duplicated the next day as well.

20 I wouldn't know a containment high range
21 monitoring reading from INPO if it, you know, fell on
22 me unless I was actually looking for it. So I will
23 take a look for it, you know, or I can, are you
24 interested in getting that everyday or something like
25 that Randy? Is that the idea?

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1 RANDY SULLIVAN: No, I was just
2 interested if you had any idea as to the pedigree and
3 such. And I can see I maybe shouldn't have even
4 asked.

5 JACK FOSTER: No, no, no. No, I
6 appreciate you asking. But I would offer too that I
7 would not take that information as gospel or, you
8 know, absolute fact.

9 RANDY SULLIVAN: Okay.

10 JACK FOSTER: Okay?

11 JESSICA KRATCHMAN: Hey Jack, we only
12 have an email with slides for the investor's meeting.
13 Is that what you're referring to?

14 JACK FOSTER: Yes.

15 JESSICA KRATCHMAN: Okay.

16 JACK FOSTER: Yes, I emailed a couple
17 about an hour ago, I guess. The title of the slides
18 should say Radiological Assessment.

19 JESSICA KRATCHMAN: Yes, that's it.
20 Okay, so you want comments on it if we have any?

21 JACK FOSTER: Yes, if you could. I mean
22 like, the main thing is it's more of an FYI for you
23 guys.

24 JESSICA KRATCHMAN: Okay, sure.

25 JACK FOSTER: Okay. And what time is it

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1 there, 3:00?

2 JESSICA KRATCHMAN: Yes.

3 JACK FOSTER: You guys coming on or
4 going off?

5 RANDY SULLIVAN: We're working.

6 JESSICA KRATCHMAN: Yes, we're here
7 until 7:00 in the morning here our time.

8 RANDY SULLIVAN: Okay. So you guys,
9 okay, you know, I'm translating here. You're at 3:00
10 in the morning now?

11 JESSICA KRATCHMAN: Yes.

12 RANDY SULLIVAN: Okay.

13 JESSICA KRATCHMAN: So it's 4:00 in the
14 afternoon for you.

15 RANDY SULLIVAN: Yes, it's close to
16 4:00, yes. Okay. Well, I'll be here if you need
17 anything. Just give me a call or email, okay?

18 JESSICA KRATCHMAN: Okay. Thanks, Jack.

19 RANDY SULLIVAN: Okay. Bye bye.
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1
2 (CONFERENCE CALL INITIATED)

3 JESSICA KRATCHMAN: Op Center, Jessica.

4 HEADQUARTERS OPERATIONS OFFICER: Yes.

5 Hi, Jessica. Joe O'Hara, Ops Officer.

6 JESSICA KRATCHMAN: Hi.

7 HEADQUARTERS OPERATIONS OFFICER: Hey,

8 I've got Ray Clark from the EPA.

9 JESSICA KRATCHMAN: Okay.

10 HEADQUARTERS OPERATIONS OFFICER: And

11 apparently someone may have called him. He's trying
12 to figure out who.

13 JESSICA KRATCHMAN: Did we call somebody
14 named Ray Clark at the EPA, Randy?

15 RANDY SULLIVAN: Yes.

16 JESSICA KRATCHMAN: It was us.

17 HEADQUARTERS OPERATIONS OFFICER:

18 Standby, I'm going to connect him.

19 JESSICA KRATCHMAN: Thank you.

20 RANDY SULLIVAN: Hello?

21 RAY CLARK: Yes, hello.

22 RANDY SULLIVAN: We're deathly afraid
23 that we have woken you up.

24 RAY CLARK: Oh well, it wouldn't have
25 been long until I woke up anyway. It's okay.

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1 RANDY SULLIVAN: So we really called you
2 at home?

3 RAY CLARK: Well, it's my cell phone.

4 RANDY SULLIVAN: Wow, scary. Sorry
5 about that.

6 RAY CLARK: It's okay. Do we have any
7 news?

8 RANDY SULLIVAN: Yes. We have a bunch
9 of environmental monitoring data from our nuclear
10 plants.

11 RAY CLARK: Right.

12 RANDY SULLIVAN: I've been authorized to
13 release it to you if you're the guy.

14 RAY CLARK: Yes, that would work. I may
15 give you a couple of different addresses.

16 RANDY SULLIVAN: Yes, that'd be great,
17 and, you know, when you get in or whatever. You
18 know, we expect to be getting this stuff through the
19 industry.

20 RAY CLARK: Right.

21 RANDY SULLIVAN: And so we expect to be
22 sending it to you periodically. Anyway, this is what
23 we got right now.

24 RAY CLARK: Yes. Oh that's, you know,
25 okay. So you will send it?

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1 RANDY SULLIVAN: Yes.

2 RAY CLARK: Do you compile it and send
3 it a certain schedule, or just when you get it, or
4 how?

5 RANDY SULLIVAN: This is the first batch
6 we've got. Actually we've been getting it, it looks
7 like it's from 3/18 to 3/23.

8 RAY CLARK: Okay, yes.

9 RANDY SULLIVAN: Palo Verde gave us a
10 whole bunch of stuff. They gave us nine points, it
11 looks like. And we got several points from San
12 Onfre.

13 RAY CLARK: Okay.

14 RANDY SULLIVAN: It's all pretty low,
15 but maybe you guys know what to do with it better
16 than us. We were under the impression you would also
17 be getting such data from your monitoring points and
18 maybe National Labs.

19 RAY CLARK: We were working on National
20 Labs, actually I think just before we left last
21 night. That my have been established. I'm not
22 absolutely sure.

23 RANDY SULLIVAN: Don't you guys have air
24 monitoring stations here and there?

25 RAY CLARK: Oh certainly ours. Yes, of

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1 course ours, yes. Our RadNet system, yes. We're
2 getting that. It's just the National Labs we've been
3 having trouble trying to get reported to us.

4 RANDY SULLIVAN: Well, the industry
5 group, NEI, tells us that they will collect this data
6 for us. I guess they'll give to us so I wouldn't
7 care if they gave it directly to you.

8 But right now, the way it's set up is
9 they're going to give it to us and we get my boss to
10 say yes, and then we send it to you. That seems like
11 an unnecessary step. The way it is right now anyway.

12 RAY CLARK: Okay.

13 RANDY SULLIVAN: So, sorry to wake you
14 up.

15 RAY CLARK: Oh no, no that's good. I
16 appreciate it.

17 RANDY SULLIVAN: Give us your email
18 address and we'll send you what we got.

19 RAY CLARK: Let me give you at least
20 three different ones. We're all working in the
21 Environmental Unit. We call it AFC. Clark, C-L-A-R-
22 K.Ray -- We do it backwards at EPA, no comment --
23 @epa.gov. And Decair, D-E-C-A-I-R.Sara, S-A-R-A.

24 RANDY SULLIVAN: Can you spell Decair
25 again? D-E-C --

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1 RAY CLARK: Oh sure, sorry, D-E-C-A-I-R.

2 RANDY SULLIVAN: C-I-R. Hey, we'd be
3 willing to be wake up her, too. Her, I know.

4 RAY CLARK: Oh, there you go. Yes, you
5 should have done that.

6 RANDY SULLIVAN: If I'm up, you can be
7 up.

8 RAY CLARK: Absolutely, I like the
9 spirit.

10 RANDY SULLIVAN: (Indiscernible,
11 possibly *) what did you say?

12 RAY CLARK: Decair, D-E-C-A-I-R.Sara, S-
13 A-R-A. Again, at epa.gov.

14 RANDY SULLIVAN: No H on that Sara?

15 RAY CLARK: No, just the S-A-R-A, yes.
16 And then this will be the long one. Tell me this
17 will work. EOC like Emergency Operation Center, EOC,
18 underline or underscore, whatever they call it,
19 environmental, the whole word environmental,
20 underscore Unit 19@epa.gov.

21 RANDY SULLIVAN: Yes, that's way too
22 long.

23 RAY CLARK: Okay. I know there were a
24 couple of others she wanted me to have in there and I
25 can't think. Oh, I know what one was.

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1 RANDY SULLIVAN: Oh, you can send them
2 on when you get in.

3 RAY CLARK: Okay, okay.

4 RANDY SULLIVAN: All right?

5 RAY CLARK: All right. But you're going
6 to go ahead and send this one?

7 RANDY SULLIVAN: Yes, we are.

8 RAY CLARK: Great. But you're going to
9 have to get an okay every time you send one?

10 RANDY SULLIVAN: Hopefully not.

11 RAY CLARK: Pardon me?

12 MALE PARTICIPANT: Hopefully not.

13 RAY CLARK: Oh, hopefully not.

14 RANDY SULLIVAN: Where we're at right
15 now is yes the next one will be approved also. But,
16 you know, maybe we can get ourselves out of a loop.

17 RAY CLARK: Well, that'd be nice. Or if
18 NEI sends it that'd be great, too.

19 RANDY SULLIVAN: Well that's what I'm
20 saying. I don't know. I mean NEI is sending it to
21 us because we asked them to. You know, maybe we can
22 just, but anyway I don't make that call.

23 RAY CLARK: I understand.

24 RANDY SULLIVAN: So let's get this done
25 and take the next step later.

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1 RAY CLARK: Get started, yes.
2 (Indiscernible, possibly *) just on the side that
3 we'd heard Millstone and Denay (phonetic) had
4 reported some stuff, too.

5 RANDY SULLIVAN: Nine Mile Point
6 (phonetic) and Denay are on here with a couple of
7 (indiscernible, possibly *).

8 RAY CLARK: Oh, they are?

9 RANDY SULLIVAN: Millstone as well.

10 RAY CLARK: Yes, okay great. Well
11 that's good. That's very good.

12 RANDY SULLIVAN: (Indiscernible,
13 possibly *) drain water.

14 RAY CLARK: Yes, that sounds right. We
15 heard there were precipitation samples. Well, that's
16 interesting. Okay. So that's coming through NEI.
17 Interesting, we didn't know that.

18 RANDY SULLIVAN: I don't know where this
19 came from.

20 RAY CLARK: Oh, just that first batch
21 did.

22 RANDY SULLIVAN: And individually, one
23 at a time or something from the licensees.

24 RAY CLARK: Well, I bet those came from
25 NEI too, because we heard NEI was going to prepare a

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1 press release on. They told, or your state liaison
2 desk told us Millstone and Denay.

3 RANDY SULLIVAN: Okay.

4 RAY CLARK: But no big deal, whatever.
5 I'm just glad to get the connection made. Okay. May
6 I ask who I'm speaking with?

7 WAYNE SCHMIDT: The gentlemen who was
8 talking a lot who just walked away is Randy Sullivan.
9 This is Wayne Schmidt.

10 RAY CLARK: Oh, okay.

11 WAYNE SCHMIDT: We're here at the
12 Protective Measures Team, NRC, on this particular
13 shift. You know, if you call at a different time,
14 it'll be different folks.

15 RAY CLARK: And whatever address you
16 send these from, we can send back?

17 WAYNE SCHMIDT: Yes.

18 RAY CLARK: More information or whatever
19 and, like, different email addresses?

20 WAYNE SCHMIDT: It'll come from an email
21 address that's part of the Protective Measures Team
22 that whoever's on shift has access to here.

23 RAY CLARK: Okay. Kind of like the one
24 I just gave you was Environmental Unit for us. Okay.
25 Oh great. No, that's really good. I do appreciate

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1 it.

2 WAYNE SCHMIDT: We didn't fully realize
3 that that first item, that calling two different
4 numbers and did not realize that was a cell phone.
5 It's obviously not that critical.

6 RAY CLARK: No, well we're really trying
7 hard to get these connections made because of this
8 (indiscernible, possibly "OSPP") assignment to
9 compile whatever domestic monitoring data we can come
10 up with. So actually I'm appreciative of this.
11 Besides, in 15 minutes I was going to wake up anyway.

12 WAYNE SCHMIDT: Okay, well.

13 RAY CLARK: No problem at all. Don't
14 worry about it. But, you know, we're running, yes a
15 little loose but roughly 12 hours, generally 8:00 to
16 8:00 or so.

17 WAYNE SCHMIDT: Yes, okay.

18 RAY CLARK: But no, I actually
19 appreciate the call. Not a problem.

20 WAYNE SCHMIDT: Okay.

21 RAY CLARK: All right.

22 WAYNE SCHMIDT: Thanks a lot. I guess
23 that's it for us.

24 RAY CLARK: Okay. And I'll just look
25 for it when I get in. Again, I really do greatly

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1 appreciate it.

2 WAYNE SCHMIDT: Okay.

3 RAY CLARK: When do you get to go home
4 and get some sleep?

5 WAYNE SCHMIDT: Thanks a lot then.

6 RAY CLARK: Okay, thanks. All right.
7 Good night.

8 WAYNE SCHMIDT: Bye.

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1
2 (CONFERENCE CALL INITIATED)

3 HEADQUARTERS OPERATIONS OFFICER: Hey,
4 Headquarters Operations Officer calling. John Rohrs
5 (phonetic) from Naval Reactors is on the line.

6 STACY ROSENBERG (phonetic): Okay.
7 Okay, we'll take it.

8 HEADQUARTERS OPERATIONS OFFICER: Okay,
9 I'll put him through.

10 STACY ROSENBERG: Hello, this is the
11 Protective Measures Team.

12 HEADQUARTERS OPERATIONS OFFICER: I've
13 Jack Foster from --

14 STACY ROSENBERG: Hold on one sec.

15 (Pause)

16 STACY ROSENBERG: Hi, I'm sorry. Jack?

17 HEADQUARTERS OPERATIONS OFFICER: Yes,
18 Jack Foster from the Japan Team.

19 STACY ROSENBERG: Okay, hi.

20 HEADQUARTERS OPERATIONS OFFICER: Yes,
21 he's on the line. I'm going to connect you with him
22 now, okay?

23 STACY ROSENBERG: Oh, okay, okay.

24 HEADQUARTERS OPERATIONS OFFICER: All
25 right. Here we go.

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1
2 STACY ROSENBERG: I have two calls going
3 on. Can you take one of them?

4 JACK FOSTER: Are you talking to me?

5 STACY ROSENBERG: Hi, who's this?

6 JACK FOSTER: This is Jack Foster.

7 STACY ROSENBERG: Oh, Jack. Hi, how are
8 you?

9 JACK FOSTER: Yes.

10 STACY ROSENBERG: Naval Reactors is on
11 this line. Okay. Jack?

12 JACK FOSTER: Yes. I can call --

13 STACY ROSENBERG: Hi, it's Stacy
14 Rosenberg.

15 JACK FOSTER: Sure. You want me to call
16 back to a different area? I just wanted to talk
17 about some data that I'm sending you, okay?

18 STACY ROSENBERG: Okay, you're sending
19 to the Protective Measures Team?

20 JACK FOSTER: Yes, yes.

21 STACY ROSENBERG: Okay.

22 JACK FOSTER: And I can either call back
23 later or, you know, another line if you'd like.

24 STACY ROSENBERG: Oh no, this is fine.

25 JACK FOSTER: Okay, okay. I just wanted

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1 to let you know that I faxed something about ten
2 minutes ago and it's readings of sea area monitoring
3 at post out of Fukushima.

4 I just wanted you to look at it and tell
5 me if you think that's, you know, appropriate
6 information. And I can probably get it continuously
7 sent to you, okay?

8 STACY ROSENBERG: What would it have
9 come under?

10 JACK FOSTER: It would have said to PMT,
11 from Jack Foster, subject sea area monitoring.

12 STACY ROSENBERG: Okay. I don't have
13 anything that says from Jack Foster.

14 JACK FOSTER: Okay. I can't personally
15 hand deliver it to you, Stacy.

16 STACY ROSENBERG: I know, but where did
17 you --

18 JACK FOSTER: It's probably at the
19 Operations Unit, the HOO.

20 STACY ROSENBERG: Okay.

21 JACK FOSTER: That's where all of them
22 go.

23 STACY ROSENBERG: Okay.

24 JACK FOSTER: Okay. So that's why I
25 wanted to call you and let you know it's there.

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1 STACY ROSENBERG: Okay. And can you
2 tell me a little bit about what it is?

3 JACK FOSTER: Yes, it's sea area
4 monitoring.

5 STACY ROSENBERG: Sea area monitoring?

6 JACK FOSTER: Yes, yes.

7 STACY ROSENBERG: Okay.

8 JACK FOSTER: And I think somebody that
9 talked about that will requested it later. And it
10 basically, it shows the radioactivity concentrations,
11 you know, for different radio nuclides.

12 STACY ROSENBERG: In the sea or over?

13 JACK FOSTER: What's that?

14 STACY ROSENBERG: In the sea?

15 JACK FOSTER: Yes, yes.

16 STACY ROSENBERG: Okay.

17 JACK FOSTER: So I think that you guys
18 were actually really interested in getting that
19 information. That's why when I saw it, I went ahead
20 and grabbed it and sent it to you.

21 STACY ROSENBERG: Okay. So I'll have to
22 go to the Headquarters Operations Officer and ask him
23 for it.

24 JACK FOSTER: Yes, they'll probably get
25 it. And then I have two more packages. And, you

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1 know, I know you guys are kind of busy. We're kind
2 of busy here, too.

3 But I wanted to talk to you before I
4 sent a pile of stuff to you, that I'm just not
5 sending, you know, I'm sending what you need. So
6 when you get through looking at that, I will call you
7 back let's say in an hour.

8 STACY ROSENBERG: Okay.

9 JACK FOSTER: And we'll discuss the
10 other data that I have. Basically, I have a Webpage
11 that you may already have that goes over measurement
12 of radiation dose and the different ports around the
13 Tokyo Bay. And it actually updates every day.

14 So it's something if you have the Web
15 address, you can probably get that data yourself.
16 And I'm not sure if you already have it, but I just
17 want --

18 STACY ROSENBERG: What Web address is
19 that?

20 JACK FOSTER: Yes, I will fax you that,
21 you know, later. I can fax the cover page to you
22 right now so you'll know the Web address and you can
23 take a look at it. Do you want me to do that, Stacy?

24 STACY ROSENBERG: Sure.

25 JACK FOSTER: Okay. And I'll call you

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1 back in a little bit and we can talk about it. What
2 time you getting off watch?

3 STACY ROSENBERG: Oh, not until 11:00
4 p.m.

5 JACK FOSTER: Okay. So I'll call you
6 back in about half an hour or an hour, okay?

7 STACY ROSENBERG: Okay, sounds good.
8 Thanks.

9 JACK FOSTER: Bye bye.

10 STACY ROSENBERG: Bye.

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(CONFERENCE CALL INITIATED)

ASHA (phonetic): Maxwell Security Staff. This is Asha (phonetic).

CYNTHIA JONES: Yes, hi Asha. This is Cynthia Jones at NRC Protective Measures Team.

ASHA: Yes. How are you?

CYNTHIA JONES: Yes, hi. Good, thanks. I've got a question that you had regarding the source term modeling and 70 percent for Unit 1.

ASHA: Yes.

CYNTHIA JONES: That is a number that was developed by the Reactor Safety Team here, and it was also passed on to us from Japan. We've been it for about a week and a half.

ASHA: Okay. And that's just for modeling purposes, for modeling the worst case, not observed?

CYNTHIA JONES: That is correct. That's an estimate. That is correct.

ASHA: Okay. All right. It wasn't clear the way it was written when it said based on information obtained from Japanese officials. A few of us here were saying is that because they observed something or it's just --

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1 CYNTHIA JONES: That's what they
2 estimate it to be.

3 ASHA: Oh really, okay.

4 CYNTHIA JONES: That's what they
5 estimate it to be. It could be 50 percent.

6 ASHA: Okay.

7 CYNTHIA JONES: But we had that number
8 based on the Reactor Safety Team input from the
9 Japanese, and that's what we've been using the past
10 week, week and a half for --

11 ASHA: For the source term?

12 CYNTHIA JONES: Exactly.

13 ASHA: Got it, okay. The same with the
14 100 percent containment breach in Units 2 and 3?
15 That is again an estimate? It's in the same
16 paragraph, next line down.

17 CYNTHIA JONES: Correct.

18 ASHA: Okay. All right, that helps.
19 And while I have you, do you know what the JECS 23 is
20 that I see in these reports?

21 CYNTHIA JONES: JECS.

22 ASHA: And maybe, I mean you may not
23 know, but I was just curious because we've seen it in
24 some of the --

25 (Crosstalk)

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1 CYNTHIA JONES: We'll have them spell
2 that out and include it in the acronyms. How about
3 that?

4 ASHA: Okay, that'll be great.

5 CYNTHIA JONES: Very good. I have to
6 get back to you on that one.

7 ASHA: Okay. No problem.

8 CYNTHIA JONES: Great.

9 ASHA: Okay.

10 CYNTHIA JONES: Thanks.

11 ASHA: Thank you.

12 CYNTHIA JONES: Bye bye.

13 ASHA: Bye.
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(CONFERENCE CALL INITIATED)

JESSICA KRATCHMAN: Op Center, Jessica.

HEADQUARTERS OPERATIONS OFFICER: Hey,
this is the HOO. We have your Japan counterpart
calling in.

JESSICA KRATCHMAN: Okay. Thanks.

HEADQUARTERS OPERATIONS OFFICER:
Transferring.

JESSICA KRATCHMAN: Hello?

MIKE SCOTT: Hi, this is Mike Scott with
the Japan Team. Who am I talking to, please?

JESSICA KRATCHMAN: This is Jessica
Kratchman in the PMT.

RANDY SULLIVAN: Randy Sullivan, PMT
Director.

MIKE SCOTT: Hi, Randy. Hi, Jessica. I
wanted to pass on a request from the Japanese. I'm
not sure that you all, or where this is going to end
up residing, but perhaps you can pass it on.

RANDY SULLIVAN: Okay.

MIKE SCOTT: They are starting to think
longer term now about what they refer to as a
monitoring plan for the site, as in okay we're going
to start to bring this thing under control now,

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1 hopefully.

2 So what sort of measures, what
3 activities do we undertake to end up dealing with
4 this in the long term? Kind of like what was done
5 with Three Mile Island.

6 So I don't think they've sought through
7 those, but they're looking for us to kind of give
8 them some guidance about how they might go about
9 doing it. Would there be expertise you think in
10 (indiscernible, possibly "INSR") that might have some
11 perspective on that, decommissioning that sort of
12 thing?

13 RANDY SULLIVAN: Well surely we've got
14 some expertise on it. Yes, I don't think it's us
15 little dose projection guys who understand that.

16 MIKE SCOTT: No, I wouldn't think that
17 would be your show. You know, if there's a better
18 point of entry to get that looked at it, then I can
19 talk to whoever that might be.

20 RANDY SULLIVAN: Well, I mean the RST
21 would be better but, oh I'm sorry, excuse me. I mean
22 I don't want you to have run around the place. I can
23 pass that on to the ET and get it formally tasked.

24 MIKE SCOTT: Okay. You understand what
25 they're looking for, right? They're looking for the

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1 end game here and sort of our thoughts on what that
2 might look like.

3 RANDY SULLIVAN: Yes. Well, I mean the
4 end game took a year at TMI.

5 MIKE SCOTT: And it's okay for us to
6 tell them that.

7 RANDY SULLIVAN: It's a pretty long
8 answer. Oh no, I don't know exactly what they want
9 because they're not near the end game. They got to
10 stop releases and get the RHR and, you know, assess
11 the status of the plants and all that. But I
12 understand that they want help with the next steps in
13 recovery.

14 MIKE SCOTT: Yes. (b)(5)

15 (b)(5)
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21 RANDY SULLIVAN: Yes. (b)(5)

22 (b)(5)
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25 MIKE SCOTT: Well, I suppose that's

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1 true.

(b)(5)

2 (b)(5)

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14 RANDY SULLIVAN: Okay. Who shall I say
15 the contact is?

16 MIKE SCOTT: You can use my name if you
17 wish, Mike Scott. And we'll get back to, and then
18 the requester was NISA.

19 RANDY SULLIVAN: NISA, okay. And Japan.
20 And did you just come on shift?

21 MIKE SCOTT: I'm sorry, was that
22 question for me?

23 RANDY SULLIVAN: Yes. Are you going to
24 be leaving any time soon?

25 MIKE SCOTT: Well, we actually have a

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1 meeting at, yes we are going to leave pretty soon, we
2 have a meeting coming up at 8:00. So we're going to
3 probably be checking out of here in the next few
4 minutes. We'll be back after that.

5 I think there's, as I understand it,
6 there's a follow-up phone call with the Ops end after
7 we get back from that meeting, which is like 9:00 or
8 10:00 our time, which right now it's 7:15.

9 RANDY SULLIVAN: (Indiscernible,
10 possibly "Thank you"). Okay.

11 MIKE SCOTT: Okay.

12 RANDY SULLIVAN: I will pass this on to
13 the ET and they'll make a tasking.

14 MIKE SCOTT: Okay, appreciate it.

15 RANDY SULLIVAN: Yes.

16 MIKE SCOTT: Bye.
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(CONFERENCE CALL INITIATED)

SANDRA WASSLER (phonetic): NRC

Operation Center, Protective Measures Team, Sandra Wassler.

HEADQUARTERS OPERATIONS OFFICER: That's a mouthful.

SANDRA WASSLER: Yes, it is.

HEADQUARTERS OPERATIONS OFFICER: This is the HOO. I have Ray Clark from EPA who wants to talk to Terry.

SANDRA WASSLER: Terry's in a meeting in the ET room right now.

HEADQUARTERS OPERATIONS OFFICER: Well maybe somebody else can take it.

SANDRA WASSLER: Yes, I can take it.

HEADQUARTERS OPERATIONS OFFICER: Okay.

SANDRA WASSLER: Go ahead.

HEADQUARTERS OPERATIONS OFFICE:
Transferring now.

SANDRA WASSLER: Hello, Ray?

RAY CLARK: Hi.

SANDRA WASSLER: Hi, this is Sandy Wassler. Terry's in a meeting with our Executive Team right at the moment.

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1 RAY CLARK: Oh, lucky him.

2 SANDRA WASSLER: Yes.

3 RAY CLARK: Actually I have three items.

4 SANDRA WASSLER: Okay.

5 RAY CLARK: Two of which he asked for
6 and one just to let you know.

7 SANDRA WASSLER: Okay.

8 RAY CLARK: The one just to let you
9 know, he gave me a callback number of 301-816-5419.

10 SANDRA WASSLER: Yes.

11 RAY CLARK: And it turns out that that's
12 somebody who doesn't even work at NRC.

13 SANDRA WASSLER: 301-816-5419.

14 RAY CLARK: 9, yes. I wrote it down
15 twice so I don't think I got it wrong.

16 SANDRA WASSLER: 816-5419, that's what
17 I'm looking right at the bat phone --

18 RAY CLARK: Interesting.

19 SANDRA WASSLER: -- with that number on
20 it, 301-816-5419.

21 RAY CLARK: And I'm pretty sure that's
22 the number I dialed and some young lady answered and
23 said, I don't know.

24 (Crosstalk)

25 SANDRA WASSLER: Interesting. Okay.

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1 RAY CLARK: I said I bet you don't even
2 have anything to do with the Nuclear Regulatory
3 Commission, do you? She said no, but I've gotten
4 several interesting calls. So I don't know.

5 SANDRA WASSLER: Interesting. Okay,
6 well we'll have to check that one out.

7 RAY CLARK: Okay. Now for the two
8 things he asked for.

9 SANDRA WASSLER: Okay.

10 RAY CLARK: The data that we've been
11 looking for and which you've actually sent is just to
12 be compiled by us for putting together. I don't know
13 how much background you've heard. We've been tasked
14 by OSTP to put together whatever domestic monitoring
15 data we can get and report back to them.

16 SANDRA WASSLER: Right. So you're
17 simply compiling the data that we're sending.

18 RAY CLARK: Right. And bundling it with
19 ours and what we can get from DOE and just sending it
20 over to OSTP.

21 SANDRA WASSLER: All right, with EPA.

22 RAY CLARK: We have no intention to do
23 anything public with it.

24 SANDRA WASSLER: All right, nothing
25 public.

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1 RAY CLARK: Right.

2 SANDRA WASSLER: Okay.

3 RAY CLARK: If you want us to get it
4 back to you too, certainly that's fine. But I think
5 the main concern was whether we were intending to go
6 public. I didn't think so, but I double checked with
7 our Management.

8 SANDRA WASSLER: Right, no. No public.
9 Okay. So you're just kind of putting that data in,
10 and DOE -- Are you analyzing it or just compiling
11 it? I mean, are you doing anything with it? I mean
12 are you taking the data and sticking it in any of the
13 analysis you do with RadNet?

14 (Crosstalk)

15 SANDRA WASSLER: Not modeling but, you
16 know, you're doing RadNet and you're dumping the data
17 into what's going on there or?

18 RAY CLARK: All I've heard is compiling.

19 SANDRA WASSLER: Compiling, okay.

20 RAY CLARK: Let me ask a colleague here
21 what she's heard. Let me see if there's something
22 different here.

23 (Pause)

24 RAY CLARK: Yes, her understanding is
25 we're just compiling it.

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1 SANDRA WASSLER: Okay.

2 RAY CLARK: Sending it over in hopefully
3 some sort of readable form.

4 SANDRA WASSLER: Okay.

5 RAY CLARK: He also asked for a contact
6 or --

7 SANDRA WASSLER: Hold on, hold on one
8 second.

9 RAY CLARK: Okay.

10 SANDRA WASSLER: Let's see. Terry just
11 walked in and I was going to try figure out how to
12 put this phone on speaker. Okay, I'm going to try.
13 Hang on. We'll call you back if not.

14 RAY CLARK: All right.

15 SANDRA WASSLER: Are you there?

16 RAY CLARK: Yes, good.

17 TERRY REIS: Hey Ray, Terry Reis. Hey,
18 I was just talking to our Executive Team. And what
19 they're looking for is something more is they want me
20 to have, you know, a dialogue with you, (b)(5)

21 (b)(5)

22
23 That this has got to be somehow managed
24 by someone other than the NRC for the public to
25 understand what is going on. They said they did this

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1 after Chernobyl.

2 Because in other words, I mean it's
3 going to get out that they are finding, you know,
4 iodine and cesium and whatever else there may be in
5 environmental data around these plants. So there
6 needs to be some coordinated, you know, federal
7 family way of managing and communicating this data.

8 So you know, I understand what your
9 instructions are and that may be fine for right now,
10 but I think we're eventually going to have to have a
11 dialogue amongst me, amongst NRC, you, DOE, and OSTP
12 to see how they want this managed. You with me?

13 RAY CLARK: Okay. That goes above me.

14 TERRY REIS: Yes, I'm sure it does.
15 It's above me, too.

16 RAY CLARK: Okay. As I was just
17 explaining that --

18 TERRY REIS: I don't think it's the
19 highest priority for us right now. But, you know,

20 (b)(5)

21
22
23 you and see what we need to do. But that's the
24 thinking here.

25 RAY CLARK: Okay, yes. Yes, we were

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1 just trying to do our simple straightforward thing of
2 just compiling of data and sending it over there. So
3 if you could at least keep sending us the data for
4 that purpose while you --

5 TERRY REIS: Sure.

6 RAY CLARK: -- do this other discussion,
7 that would be helpful for me at least.

8 SANDRA WASSLER: And we'll forward it
9 through what we get from NEI I guess is the way it's
10 going to work.

11 TERRY REIS: Yes.

12 RAY CLARK: Right.

13 SANDRA WASSLER: But yes, no problem.

14 RAY CLARK: And I will run it up the
15 line that you want to have this discussion.

16 TERRY REIS: Make sure you communicate
17 the larger concern is that this is going to be
18 ongoing. They're going to find this in the
19 environment. It's going to get (indiscernible,
20 possibly *) and we need to be able to manage that.

21 SANDRA WASSLER: I mean, Japan is
22 already asking, you know, I mean Japan is
23 (indiscernible, possibly "concurring"). They're
24 making these announcements. The next thing people in
25 the US are going to say is what about us.

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1 TERRY REIS: Oh, yes.

2 SANDRA WASSLER: And then all the power
3 plant's, you know, information is going to come into
4 play.

5 TERRY REIS: You don't want to be behind
6 the curve when (indiscernible, possibly *).

7 RAY CLARK: All of our RadNet data is
8 online --

9 TERRY REIS: Yes, I --

10 RAY CLARK: So it's not, okay. You're
11 aware of that, okay.

12 SANDRA WASSLER: No, we understand it's
13 online. But, you know, it's just basic communication
14 to the US population that you don't have to go out
15 and buy bottled water. Everything is okay. Whatever
16 the situation is, we have to manage that information
17 flow --

18 TERRY REIS: Right.

19 SANDRA WASSLER: -- to them because
20 they're going to ask the question and we want to
21 ready before they start asking --

22 (Crosstalk)

23 RAY CLARK: Yes, we're already getting a
24 lot of questions here.

25 TERRY REIS: You know, if you're saying

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1 that RadNet already does this, maybe that's the
2 answer.

3 SANDRA WASSLER: But I mean, I don't
4 think that's for, I mean RadNet isn't something that,
5 you know, just your every day --

6 TERRY REIS: Well, that's atmospheric
7 model, right?

8 SANDRA WASSLER: Yes.

9 RAY CLARK: It's what? I'm sorry.

10 TERRY REIS: It's atmospheric readings.
11 That's not water readings, right?

12 RAY CLARK: We can certainly do, we're
13 doing drinking water and milk, drinking water, and
14 yes and atmospheric.

15 TERRY REIS: On RadNet?

16 RAY CLARK: Yes. It's normally done on
17 a quarterly basis, as I understand it.

18 TERRY REIS: Okay, well that's good.

19 RAY CLARK: Well, I'm sorry and
20 precipitation. I'm sorry. That's the one I forgot.

21 TERRY REIS: Well, I think it's going to
22 be a much --

23 RAY CLARK: Yes. No, they're stepping
24 it up now. That just happened in the last two or
25 three days. They're going to get people to send in

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1 precipitation per event.

2 That used to be accumulated over a month
3 and then they analyze the fraction of them or
4 something. But now they're going to step that up to
5 be more precipitation event specific, that sort of
6 thing as I understand it. So yes, that is
7 increasing.

8 TERRY REIS: All right. Well, that may
9 be the ultimate answer. But I still think we need to
10 have this dialogue.

11 RAY CLARK: Sure. Yes, I'll run that up
12 the line here and let them know --

13 TERRY REIS: Okay.

14 RAY CLARK: -- that they'll either hear
15 from you or from --

16 TERRY REIS: (b)(5)

17 RAY CLARK: (b)(6) (phonetic)

18 (b)(6) (phonetic), I guess is the other
19 name we're hearing. That it won't surprise them.
20 And that's a reasonable thing to me. Okay. Well
21 great.

22 TERRY REIS: Okay. Thanks.

23 RAY CLARK: And we'll keep looking for
24 your stuff and I greatly appreciate that.

25 TERRY REIS: All right. Thank you.

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1 RAY CLARK: Yes. Thanks. There's also
2 a message about your phone number, but that'll be
3 communicated to you.

4 TERRY REIS: What phone number did I
5 give you?

6 SANDRA WASSLER: The one on that phone,
7 and he's saying he got some lady at a company
8 somewhere.

9 TERRY REIS: Okay.

10 RAY CLARK: Right. And she said she's
11 got several interesting messages so something's going
12 on there.

13 SANDRA WASSLER: Okay, we'll check.

14 RAY CLARK: Okay. Thanks again. If you
15 have anything for us, just give us a call, too.

16 TERRY REIS: Thank you.

17 RAY CLARK: Yes. Bye bye.

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(CONFERENCE CALL INITIATED)

SANDRA WASSLER: Sandra Wassler from Protective Measures Team, NRC Op Center.

HEADQUARTERS OPERATIONS OFFICER: Yes, this is the HOO. I have a Diane from Department of Defense.

SANDRA WASSLER: Diane from Department of Defense, okay.

HEADQUARTERS OPERATIONS OFFICER: OSD Department.

SANDRA WASSLER: I'm sorry?

HEADQUARTERS OPERATIONS OFFICER: She's OSD out of Department of Defense. So she was told to call in today. So I'll transfer you.

SANDRA WASSLER: Okay.

HEADQUARTERS OPERATIONS OFFICER: Thank you.

SANDRA WASSLER: Hello?

DEANNE IDAR: Hi. I was trying to reach somebody in NRC Protective Measures.

SANDRA WASSLER: You have. This is Sandra Wassler. What can I help you with?

DEANNE IDAR: Okay, Sandra. My name is Deanne Idar. I'm in the Department of Defense OSD

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1 Policy Office on Counter Weapons and Mass
2 Destruction, and I'm on (b)(6) Nuclear
3 Technical Advisory Group Telecon.

4 And I was on there on Monday and
5 contacted a couple of folks in your area with regard

6 (b)(5)

7 (b)(5)

8 and they gave me some great
9 guidance.

10 We were looking at ANSI standard and
11 they talked about ANSI standards being reaffirmed
12 every two years. And so we did find a reaffirming of
13 this particular standard which is to help Society
14 Standard ANSI 13.12. And in that particular abstract
15 is what we found, it refers to an I8EA safety series
16 document.

17 (b)(5)

18 SANDRA WASSLER: Okay. Well, I'm trying
19 to think here. I can't see, yes the only actual
20 standards that we have are the 1.89 which are way too
21 conservative for release of material.

22 DEANNE IDAR: Yes and we know that's, is

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1 it 1.89 or 1.86? I thought that was --

2 (Crosstalk)

3 SANDRA WASSLER: It could be. I may
4 have twisted the number.

5 DEANNE IDAR: Okay, because I know one
6 of the folks that you work with there had provided a
7 copy to (b)(6) and she distributed it --

8 SANDRA WASSLER: Right.

9 DEANNE IDAR: -- and it was 1.86.

10 SANDRA WASSLER: Okay, that's right. I
11 turned the number around.

12 DEANNE IDAR: Okay.

13 SANDRA WASSLER: Okay. All right. So
14 you want confirmation that we wouldn't have any --

15 DEANNE IDAR: I just want to, yes, I
16 want an NRC perspective on this particular IAEA set
17 of standards. And I can email it to --

18 SANDRA WASSLER: Go ahead. Why don't
19 you go ahead and email it to me --

20 DEANNE IDAR: Okay.

21 SANDRA WASSLER: -- at
22 PMT12.hoc@nrc.gov, and I'm not familiar with it off
23 the top of my head.

24 DEANNE IDAR: Okay.

25 SANDRA WASSLER: We will look at it and

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1 get back to you.

2 DEANNE IDAR: Okay.

3 SANDRA WASSLER: When would you like
4 some input by, yesterday?

5 DEANNE IDAR: Yes.

6 (Crosstalk)

7 SANDRA WASSLER: Or the day before
8 yesterday? You have options, you know. They all
9 have the same result, but you have options.

10 DEANNE IDAR: Yes. Do you think it's
11 realistic for feedback by noon tomorrow?

12 SANDRA WASSLER: I would think we could
13 get a copy of it and we'd look it and get back to
14 you.

15 DEANNE IDAR: Okay, awesome. Does the
16 PMT stand for Protective Measures Team?

17 SANDRA WASSLER: Yes, it does.

18 DEANNE IDAR: Okay. And HOC, what's
19 that stand for?

20 SANDRA WASSLER: It's our Headquarters
21 Operation Center.

22 DEANNE IDAR: Thank you so much.

23 SANDRA WASSLER: No problem. I mean
24 we're all doing acronyms soup. I'm just glazed over.

25 Anybody gives me an acronym and I'm going oh yes

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1 right. Okay, whatever.

2 DEANNE IDAR: It's fun, isn't it?

3 SANDRA WASSLER: Oh, it's just a ball.
4 I can't tell you. But okay, go ahead and send it
5 and we'll see what we can do and get something back
6 to you.

7 DEANNE IDAR: Thank you so much.

8 SANDRA WASSLER: All right. Bye bye.

9 DEANNE IDAR: Okay. Bye.
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(CONFERENCE CALL INITIATED)

SANDRA WASSLER: NRC Operation Center,
PMT, Sandra Wassler.

BILL HUFFMAN: Hey, Sandra. Bill
Huffman here in the Op Center.

SANDRA WASSLER: Hi, Bill.

BILL HUFFMAN: I just came in on shift,
and I see that there is a 12:30 NTAG (phonetic)
conference call.

SANDRA WASSLER: There's not supposed to
be an NTAG conference call until Monday.

BILL HUFFMAN: Okay. We have it on a
list of recurring daily calls, and I just --

SANDRA WASSLER: On yesterday's call,
they said the next call would be Monday. We verified
that.

BILL HUFFMAN: Okay. So I can remove
that?

SANDRA WASSLER: Yes, that's my
understanding, yes.

BILL HUFFMAN: Next is Monday which
would be --

SANDRA WASSLER: The 28th.

BILL HUFFMAN: 28th, March 28th. And do

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1 you guys have, do you just rely on us to set up that
2 conference or do you have a back door?

3 SANDRA WASSLER: We've got a number for
4 it --

5 BILL HUFFMAN: Okay.

6 SANDRA WASSLER: -- that we call into.

7 BILL HUFFMAN: Could you get me that
8 number and pass code? We're just putting a list
9 together.

10 SANDRA WASSLER: Hang on a second.

11 BILL HUFFMAN: Is this (b)(6)

12 SANDRA WASSLER: Hold on. There we go,
13 202-395-6392.

14 BILL HUFFMAN: All right. Give me that
15 again.

16 SANDRA WASSLER: 202-395-6392.

17 BILL HUFFMAN: All right.

18 SANDRA WASSLER: Pass code is (b)(6)

19 BILL HUFFMAN: (b)(6)

20 SANDRA WASSLER: Right. That's the
21 number I have right now, yes.

22 BILL HUFFMAN: Thanks, Sandy.

23 SANDRA WASSLER: All right.

24 BILL HUFFMAN: Bye bye.

25 SANDRA WASSLER: Bye bye.

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2 (CONFERENCE CALL INITIATED)

3 SANDRA WASSLER: Sandra Wassler, NRC.

4 HEADQUARTERS OPERATIONS OFFICER: Hi,
5 Sandy. My name is Pete Center (phonetic). I'm a
6 Headquarters Ops Officer over here and we got a
7 gentleman on the phone from the research arm he says
8 of Congress, I guess.

9 And he had talked to the Office of
10 Congressional Affairs already and they sent him here.

11 But he has a question really about dose assessments
12 and it's coming out of the Japan event.

13 SANDRA WASSLER: Right. Is this, okay,
14 all right.

15 HEADQUARTERS OPERATIONS OFFICER: Can
16 you talk to him and see if you guys can help or are
17 you too busy, or should I transfer him to a liaison
18 or what?

19 SANDRA WASSLER: Well that's the thing.
20 I think what he's asking is how do present dose.
21 Yes, okay, you can put him through.

22 HEADQUARTERS OPERATIONS OFFICER: Okay.
23 I mean if you don't want to, I can direct him
24 somewhere else.

25 SANDRA WASSLER: No never mind, just

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1 send him through.

2 HEADQUARTERS OPERATIONS OFFICER: I mean
3 apparently he talked to OCA already and they sent him
4 here. Now, I don't know why but, you know, but
5 anyway I'll put him through. Here he is, standby.

6 SANDRA WASSLER: All right. Thanks.
7 Hello?

8 STEVE REDHEAD: Yes.

9 SANDRA WASSLER: This is Sandra Wassler
10 at the NRC Operations Office, PMT.

11 STEVE REDHEAD: Hi, I'm Steve Redhead
12 from the Congressional Research Service, the research
13 arm of Congress.

14 SANDRA WASSLER: Yes.

15 STEVE REDHEAD: And I'm getting bounced
16 around a bit, but --

17 (Crosstalk)

18 SANDRA WASSLER: Well things are kind of
19 busy here, that's all.

20 STEVE REDHEAD: Okay. Well then maybe I
21 should try, I want to speak to an expert on radiation
22 risk assessment.

23 SANDRA WASSLER: On radiation risk
24 assessment.

25 STEVE REDHEAD: I want to know what the

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1 lifetime cancer risk assessment estimates are in
2 (indiscernible, possibly "BR7") and how they differ
3 from (indiscernible, possibly "BR5") in the RP.

4 SANDRA WASSLER: Oh, okay.

5 STEVE REDHEAD: Because I'm writing the
6 background for a new briefing document we're doing
7 for Congressional offices on radiation health and the
8 Japan situation.

9 But I'm confused at a technical level of
10 why the (indiscernible, possibly "BR7") estimates
11 differ from the ICLP numbers that I've always used.
12 And I want to understand how our estimates of cancer
13 are evolving through these various panels. I need to
14 pick somebody's brain for 10 minutes.

15 SANDRA WASSLER: Okay. Let me do this,
16 give you a phone number in our Office of Research.

17 STEVE REDHEAD: Yes, good.

18 SANDRA WASSLER: Hang on one second, I
19 know what I forgot.

20 STEVE REDHEAD: Sure, thanks.

21 SANDRA WASSLER: Now I'm all right.
22 Here, we go. The lady's name is Stephanie Bush-
23 Goddard.

24 STEVE REDHEAD: Okay.

25 SANDRA WASSLER: And the number is 301-

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1 251-7528. And I do believe either she or one of her
2 staff can provide you with that information.

3 STEVE REDHEAD: 301-251-7528.

4 SANDRA WASSLER: Right.

5 STEVE REDHEAD: Great. And this is
6 another office in NRC?

7 SANDRA WASSLER: It's the Office of
8 Research, and that's Dr. Stephanie Bush-Goddard.

9 STEVE REDHEAD: Cool. Give that one a
10 shot, shall we?

11 SANDRA WASSLER: Yes. Let me see here.

12 Is there anything else? I think that would be your
13 best bet. We have a lot of our experts are tied up
14 manning our Operations Center right now. And your
15 question quite frankly wouldn't be the highest
16 priority.

17 STEVE REDHEAD: No, no, no. I don't
18 want --

19 (Crosstalk)

20 SANDRA WASSLER: That's why I'm trying
21 to get back --

22 STEVE REDHEAD: I've been bounced around

23 --

24 (Crosstalk)

25 SANDRA WASSLER: I know and I'm trying

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1 to find you someone that would be able to give you
2 the information that you need because her group, so
3 I'm just double checking, well.

4 STEVE REDHEAD: You're in the sort of
5 the group that's actually monitoring what's going on?

6 SANDRA WASSLER: Yes, this is the
7 Operations Center, yes. But I was looking --

8 STEVE REDHEAD: Okay, I should keep
9 track of this, too. Are you, I read in the newspaper
10 accounts and stuff that you guys are --

11 (Crosstalk)

12 SANDRA WASSLER: We're in operation
13 status so we're dealing with a lot of coordination
14 and the like with multiple agencies, the White House,
15 et cetera.

16 STEVE REDHEAD: Have we released
17 potassium iodide from our stock pile with Japan?

18 SANDRA WASSLER: No, I don't believe we
19 have. I don't know whether a decision's been made on
20 that myself. There's multiple people here, but as
21 far as I know, no.

22 STEVE REDHEAD: You have your own
23 monitoring separate from the Japanese government?

24 SANDRA WASSLER: Monitoring in what
25 manner?

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1 STEVE REDHEAD: Monitoring air, water --

2 SANDRA WASSLER: The US government, no,
3 we do not have monitoring equipment. Only, you know,
4 in the United States in the plants. No, we're
5 coordinating with all the NIC (phonetic), the NOC,
6 all the other operation centers and coordinating the
7 US, we coordinate the US response.

8 STEVE REDHEAD: Right.

9 SANDRA WASSLER: So I would suggest you
10 go ahead and call Stephanie.

11 STEVE REDHEAD: Okay. Great, I will.

12 SANDRA WASSLER: And she may not be the
13 exact person, but she'll get you closer than I can
14 right now.

15 STEVE REDHEAD: Cool.

16 SANDRA WASSLER: Okay? All right. Bye
17 bye.

18 STEVE REDHEAD: Bye.
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(CONFERENCE CALL INITIATED)

STACY ROSENBERG: Hello, this is Stacy Rosenberg, Protective Measures Team.

BILL: Hi, Stacy. This is Bill, the status officer. Hey, I have a (b)(6) (b)(6) asking questions about our latest status and the protective measures and the new model that we're running.

STACY ROSENBERG: Okay.

BILL: And specifically the yellow paragraph on Page 7 of tonight's status report. Can I put in through to you or to Cindy so that you can discuss the assumptions that --

(Crosstalk)

STACY ROSENBERG: Okay, who is he?

BILL: (b)(6)

(b)(6)

STACY ROSENBERG: (b)(6)

(b)(6)

BILL: Yes, ma'am.

STACY ROSENBERG: Okay, I'll try to answer his questions.

BILL: Okay, I'm going to connect you now.

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1 STACY ROSENBERG: Hello, this is Stacy
2 Rosenberg, Protective Measures Team, NRC.

3 (b)(6) Stacy, how are you?

4 STACY ROSENBERG: I'm good. How are
5 you?

6 (b)(6) I'm doing all right. I'm

7 (b)(6) I'm over at the NFC.

8 STACY ROSENBERG: Okay, hi.

9 (b)(6) What's your last name?

10 STACY ROSENBERG: Rosenberg, R-O-S-E-N-
11 B-E-R-G.

12 (b)(6) B-E-R-G, perfect. All
13 right. I'm looking through the latest update, which
14 I think was 1800.

15 STACY ROSENBERG: Okay.

16 (b)(5),(b)(6)

17 STACY ROSENBERG: Okay. With what?

18 (b)(5),(b)(6)

19 STACY ROSENBERG: (b)(5)

20 (b)(6) Do you have it in front of
21 you?

22 STACY ROSENBERG: I have it.

23 (b)(6) Okay. (b)(5)

24 (b)(5)

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1 STACY ROSENBERG: Oh, whoa. Wait, let
2 me make sure I'm looking at the same thing. Oh, I
3 actually don't have it. Hold on one second.

(b)(6)

Okay.

(Pause)

6 STACY ROSENBERG: I don't have it in

(b)(5)

(b)(6)

Okay.

(b)(5)

(b)(5)

13 STACY ROSENBERG: Right.

(b)(6)

(b)(5)

(b)(5)

19 STACY ROSENBERG: Yes.

(b)(6)

(b)(5)

(b)(5)

24 STACY ROSENBERG: Yes.

(b)(6)

(b)(5)

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(b)(5)

STACY ROSENBERG: Right.

(b)(5)

(b)(5)

(b)(6) Yes.

STACY ROSENBERG:

(b)(5)

(b)(5)

(b)(6)

(b)(5)

STACY ROSENBERG: Right.

(b)(6)

(b)(5)

STACY ROSENBERG: Yes.

(b)(6)

-- (indiscernible, possibly

(b)(5)

STACY ROSENBERG: Yes.

(b)(6)

(b)(5)

(b)(5)

STACY ROSENBERG: Yes, which is the

(b)(5)

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(b)(5)

(b)(6)

(b)(5)

STACY ROSENBERG: Yes.

(b)(6)

(b)(5)

(b)(5)

STACY ROSENBERG: No, we do. You see,

(b)(5)

(b)(6)

Okay.

STACY ROSENBERG:

(b)(5)

(b)(5)

(b)(6)

Okay.

STACY ROSENBERG:

(b)(5)

(b)(5)

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(b)(5)

(b)(6)

Right.

(b)(5)

STACY ROSENBERG:

(b)(5)

(b)(6)

(b)(5)

(b)(5)

STACY ROSENBERG:

(b)(5)

(b)(6)

(b)(5)

STACY ROSENBERG: What?

(b)(6)

(b)(5)

(b)(5)

(b)(5)

STACY ROSENBERG:

(b)(5)

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(b)(6)

(b)(5)

(b)(5)

STACY ROSENBERG: Yes.

(b)(6)

(b)(5)

(b)(5)

STACY ROSENBERG:

(b)(5)

(b)(5)

(b)(6)

(b)(5)

(b)(5)

STACY ROSENBERG: Okay.

(b)(6)

(b)(5)

(b)(5)

STACY ROSENBERG: Okay.

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(b)(6)

(b)(5)

(b)(5)

STACY ROSENBERG: Okay.

(b)(6)

(b)(5)

--

STACY ROSENBERG:

(b)(5)

(b)(5)

(b)(6)

(b)(5)

STACY ROSENBERG:

(b)(5)

(b)(5)

(b)(6)

(b)(5)

(b)(5)

(b)(5)

STACY ROSENBERG:

(b)(5)

(b)(6)

(b)(5)

STACY ROSENBERG: Yes.

(b)(6)

(b)(5)

(b)(5)

STACY ROSENBERG:

(b)(5)

(b)(5)

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(b)(5)

1

(b)(6)

Wonderful.

(b)(5)

2

(b)(5)

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(b)(5)

4

STACY ROSENBERG:

(b)(5)

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(b)(6)

(b)(5)

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(b)(5)

10

STACY ROSENBERG: Sure.

11

(b)(6)

(b)(5)

12

(b)(5)

13

STACY ROSENBERG: Okay, hold on a sec.

14

(Pause)

15

STACY ROSENBERG: Hello?

16

(b)(6)

Yes.

17

STACY ROSENBERG:

(b)(5)

18

(b)(5)

19

(b)(6)

Yes.

20

STACY ROSENBERG:

(b)(5)

21

(b)(5)

22

(b)(6)

That's okay.

23

STACY ROSENBERG:

(b)(5)

24

(b)(5)

25

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(b)(6)

Yes.

STACY ROSENBERG:

(b)(5)

(b)(5)

(b)(6)

(b)(5)

STACY ROSENBERG:

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(b)(5)

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STACY ROSENBERG:

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STACY ROSENBERG: Yes.

(b)(6)

(b)(5)

(b)(5)

STACY ROSENBERG: Yes.

(b)(6)

(b)(5)

(b)(5)

STACY ROSENBERG: Okay.

(b)(6)

(b)(5)

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STACY ROSENBERG: (b)(5)

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STACY ROSENBERG: Okay.

(b)(6)

(b)(5)

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(Crosstalk)

STACY ROSENBERG: Okay.

(b)(6)

Okay?

STACY ROSENBERG: Yes.

(b)(6)

(b)(5)

(b)(5)

STACY ROSENBERG: Okay.

(b)(6)

Okay?

STACY ROSENBERG: Yes.

(b)(6)

Thank you.

STACY ROSENBERG: Thank you.

(b)(6)

Bye.

STACY ROSENBERG: Bye.

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(CONFERENCE CALL INITIATED)

STACY ROSENBERG: Hi, this is Stacy in -

-

HEADQUARTERS OPERATIONS OFFICER: Hi,
Stacy. I've got John Rohrs from Naval Reactors on
the line.

STACY ROSENBERG: Okay.

HEADQUARTERS OPERATIONS OFFICER:
Putting you through.

STACY ROSENBERG: Hello, this is Stacy
Rosenberg of the Protective Measures Team.

JOHN ROHRS: Hi, Stacy. How are you?

STACY ROSENBERG: I'm good. How are
you, John?

JOHN ROHRS: Good. Is Cindy there by
any chance?

STACY ROSENBERG: Yes, Cindy is here.
She's on a conference call right now.

JOHN ROHRS: Okay. What about Kimberly?

STACY ROSENBERG: Yes, Kimberly is here.
Would you like to speak with Kimberly?

JOHN ROHRS: Sure.

STACY ROSENBERG: Hold on a second.

(Pause)

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1 KIMBERLY GAMBONE: Hi, John. This is
2 Kimberly Gambone.

3 JOHN ROHRS: Hey, Kimberly. How are
4 you?

5 KIMBERLY GAMBONE: Hi, I'm good. What
6 can I do for you?

7 JOHN ROHRS: Hey, thanks for looking at
8 that document for me.

9 KIMBERLY GAMBONE: You're welcome.

10 JOHN ROHRS: Here's the only concern I
11 have is that I don't think I did a good job of
12 explaining to Cindy what this document shows.

13 KIMBERLY GAMBONE: Okay.

14 JOHN ROHRS: Because you want us to go
15 use your predictive models, from what I can tell from
16 your comments.

17 KIMBERLY GAMBONE: Well, I was supposed
18 to look at it and compare it our results. Well, we
19 can't really do that if we're using two different
20 source terms. It's much more difficult.

21 JOHN ROHRS: Yes, I guess I'm not
22 looking to get your agreement on the source number as
23 much as the methodology.

24 KIMBERLY GAMBONE: Oh, okay.

25 JOHN ROHRS: What we're doing, what

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1 you're looking at there is based on actual data that
2 we have.

3 KIMBERLY GAMBONE: Oh, okay.

4 JOHN ROHRS: And what this tool is
5 supposed to do is help the commanders who are sending
6 people into the area. Give them a quick check of
7 hey, if you guys are going into the plume, here's
8 kind of what you can expect from the data we have.

9 KIMBERLY GAMBONE: Okay.

10 JOHN ROHRS: And that way they can
11 determine do we need to give KI, what is the person's
12 (indiscernible, possibly *), and how long can we
13 leave them in there.

14 So we're trying to make it easy for some
15 of these folks who aren't necessarily nuclear
16 knowledgeable to give them these tools and say here
17 you go. So it's really based on our data --

18 KIMBERLY GAMBONE: Okay.

19 JOHN ROHRS: -- that we have.

20 KIMBERLY GAMBONE: All right. Well, let
21 me take another look at with that perspective.

22 JOHN ROHRS: Yes, I'd appreciate it.

23 KIMBERLY GAMBONE: Sure. And then I'll
24 shoot you back another email.

25 JOHN ROHRS: Thank you.

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KIMBERLY GAMBONE: You're welcome, John.

JOHN ROHRS: Bye.

KIMBERLY GAMBONE: Bye.

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NUCLEAR REGULATORY COMMISSION

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PMT RAAD ASST Director Audio Files

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MARCH 25, 2011

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(CONFERENCE CALL INITIATED)

KATHRYN BROCK: Protective Measures Team.

RAY: Hi, Kathy?

KATHRYN BROCK: Yes.

RAY: It's Ray.

KATHRYN BROCK: Hey.

RAY: I was just looking at the message you sent, under the background section.

KATHRYN BROCK: Yes.

RAY: I now see that there are two ways to interpret it. And at first I thought, only one way to interpret it. But I spoke to a Mr. Ray Clarke, and his direction is to assemble the data.

KATHRYN BROCK: Oh, you. You were down in there?

RAY: Yes, I am which always worries me. My first interpretation, I was asking you guys to assemble the data and send it to OSTP, but maybe that means that we were told to do it, and send it to OSTP. I just thought --

KATHRYN BROCK: So this is, you're talking about setting up the call, right?

RAY: Well, no. This was, if you look at that message, down there near the bottom, his direction

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1 is to assemble the data.

2 KATHRYN BROCK: Yes.

3 RAY: I just wanted to be sure that's not
4 a source of confusion. Because the direction we got
5 was to assemble the data, I wasn't trying to direct you
6 guys to --

7 KATHRYN BROCK: Oh, no. That's okay.

8 RAY: To assemble the data, so.

9 KATHRYN BROCK: But it was. Right.

10 RAY: But that's fine. Yes, that was just
11 --

12 KATHRYN BROCK: It was more the part about
13 those phone call.

14 RAY: Yes.

15 KATHRYN BROCK: In Dewey's email that I was
16 --

17 RAY: Right.

18 KATHRYN BROCK: Reacting to.

19 RAY: Okay.

20 KATHRYN BROCK: But I think the data's fine.
21 You have the data. Correct?

22 RAY: Right. Right, and we'll be getting
23 more for that matter, but not, I guess.

24 KATHRYN BROCK: Yes.

25 RAY: Apparently there was a call set up

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1 for 6 o'clock last night. And we threw a conference
2 call and nobody came, so. I guess we'll see what happens.

3 KATHRYN BROCK: I got no turn over for, of
4 course that was at 6 o'clock last night. That was the,
5 two shifts ago here.

6 RAY: Yes. Right. Oh, well.

7 KATHRYN BROCK: So somehow, it didn't happen
8 as far as I know.

9 RAY: Right. Right.

10 KATHRYN BROCK: And that's unfortunate.

11 RAY: Yes. Well, I'll run it back up the
12 chain here, and --

13 KATHRYN BROCK: That'd be great. But I'll
14 be here until 3. So if we can --

15 RAY: Okay.

16 KATHRYN BROCK: Start something up, or I'll
17 make sure I turn it over to the next person. If they
18 want to do 6 o'clock again that would be fine. If that
19 works for you guys?

20 RAY: Okay.

21 KATHRYN BROCK: You know.

22 RAY: Give her a shot.

23 KATHRYN BROCK: All right.

24 RAY: Okay.

25 KATHRYN BROCK: Thank you so much.

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RAY: Yes.

KATHRYN BROCK: Bye.

RAY: Bye-bye.

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(CONFERENCE CALL INITIATED)

TERRY REIS: PMT, Terry Reis.

OPERATIONS OFFICER: Hi, Terry. OPS
Officer, I've got a call for Kathy Brock. Okay. Bye.

TERRY REIS: Okay. It's for you.

KATHRYN BROCK: Hello.

RAY CLARKE: Hi, Kathy?

KATHRYN BROCK: Yes.

RAY CLARKE: Yes, Ray Clarke.

KATHRYN BROCK: Hey, how you doing?

RAY CLARKE: Fine. Well I was totally wrong.

KATHRYN BROCK: Oh.

RAY CLARKE: Our contact for your call.

KATHRYN BROCK: Okay. Yes.

RAY CLARKE: They're going to have one of
our Public Affairs people be the contact.

KATHRYN BROCK: Hang on.

RAY CLARKE: He's staff level, so.

KATHRYN BROCK: Okay.

RAY CLARKE: But they've been working on
this for, since it started, so. Her name is Jessica
Wieder, W-I-E-D-E-R.

KATHRYN BROCK: Okay. Well here's what I
did.

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1 RAY CLARKE: Yes.

2 KATHRYN BROCK: There was an email, oh boy,
3 sent from OSTP. And let me see if I can find it, which
4 made it look like EPA had the lead on setting up that
5 call.

6 RAY CLARKE: Really.

7 KATHRYN BROCK: So it went from Dewey (b)(6)
8 (phonetic) in OSTP, to, I'll name these names, you might
9 not know them, (b)(6) (phonetic),
10 a (b)(6) and (b)(6) (phonetic).

11 RAY CLARKE: Yes.

12 KATHRYN BROCK: And it says, (b)(6)
13 so (b)(6) (b)(5)
14 (b)(5)
15
16

17 RAY CLARKE: Oh.

18 KATHRYN BROCK: So I replied to all on this,
19 after our call. And after I dug this up. And I said,
20 Hey, any process on that call? So it looks like EPA
21 already has the lead. You want me to email this to you?

22 RAY CLARKE: If you would, yes.

23 KATHRYN BROCK: All right. And then maybe
24 you can help figure it out. So what's your email address?
25 Well if we could do two, I guess that's useful.

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1 KATHRYN BROCK: Sure.

2 RAY CLARKE: But easy one clarke.ray.

3 KATHRYN BROCK: Oh, somebody's emailed to
4 you already. Got it? No, it's the other one.

5 RAY CLARKE: Oh, okay. EOC, underline,
6 environmental.

7 KATHRYN BROCK: Underline Unit at EPA?

8 RAY CLARKE: Yes.

9 KATHRYN BROCK: All right, it's on it's way.

10 RAY CLARKE: Okay.

11 KATHRYN BROCK: So I'll just put a little
12 ensure email. I replied, okay.

13 RAY CLARKE: I had heard a reference down
14 here, about a call supposed to be at 6 o'clock last night,
15 but didn't happen or something?

16 KATHRYN BROCK: I have no idea.

17 RAY CLARKE: I don't know if it's related
18 or not. But well, we'll check it. Okay.

19 KATHRYN BROCK: Okay. Thank you.

20 RAY CLARKE: All right.

21 KATHRYN BROCK: We'll see you.

22 RAY CLARKE: See what happens.

23 KATHRYN BROCK: Okay.

24 RAY CLARKE: Oh, and you're okay if we just
25 go ahead and call NEI, with what's her --

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1 KATHRYN BROCK: Yes, go ahead and just call

2 NEI. (b)(5)

3 (b)(5)

4
5 RAY CLARKE: Yes, okay.

6 KATHRYN BROCK: That it (b)(5)

7 (b)(5)

8
9 RAY CLARKE: Yes.

10 KATHRYN BROCK: I think it's appropriate.

11 RAY CLARKE: We absolutely did. So, okay,
12 if that comes up, it's no big deal.

13 KATHRYN BROCK: Yes.

14 RAY CLARKE: And say yes, we did.

15 KATHRYN BROCK: Yes, and then he didn't think,

16 (b)(5)

17
18 RAY CLARKE: Oh, they are.

19 KATHRYN BROCK: They are, okay. That was
20 his recollection.

21 RAY CLARKE: Yes, in fact when I called to
22 set up the --

23 KATHRYN BROCK: All right, go ahead.

24 RAY CLARKE: The format for it.

25 KATHRYN BROCK: Okay.

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RAY CLARKE: All right.

KATHRYN BROCK: Thank you.

RAY CLARKE: Very good. All right, bye.

KATHRYN BROCK: Okay. Bye.

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(CONFERENCE CALL INITIATED)

FEMALE PARTICIPANT: Protective Measures Team.

JOHN NASSTROM: Hi, this is John Nasstrom from NARAC.

FEMALE PARTICIPANT: Hi, there. How are you?

JOHN NASSTROM: Good.

FEMALE PARTICIPANT: So you looking to talk to somebody?

JOHN NASSTROM: Yes, I was talking to Bruce earlier, and we're trying to get you guys to confirm the source term that we derive from your RASCAL analysis.

FEMALE PARTICIPANT: Now, okay. I'm going to try to help you even though Bruce has just left to go try to find something to eat, but there was an email that was sent from us that, to you guys. "NRC is in agreement with the source term." Did you get that?

JOHN NASSTROM: Oh, no. Sorry.

FEMALE PARTICIPANT: Yes, it was just sent, just five minutes ago, not even.

JOHN NASSTROM: Oh, thanks. I, that sounds perfect. If your source of batch one, dah, dah, dah, da. Excellent. Saved any problems with that. Okay.

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1 Great.

2 FEMALE PARTICIPANT: All right. Thanks.

3 JOHN NASSTROM: Thank a lot.

4 FEMALE PARTICIPANT: Bye.

5 JOHN NASSTROM: Bye-bye.

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(CONFERENCE CALL INITIATED)

JESSICA: PMT, Jessica.

OPERATIONS OFFICER: Hi, Jessica. OPS
Officer here. I've got Jack Foster on the line.

JESSICA: Okay. Thanks. Hi Jack, how are
you?

JACK FOSTER: Hello?

JESSICA: Hi, Jack. This is Jessica.

JACK FOSTER: Jessica, do stay there 24 hours
a day?

JESSICA: Only when you're here.

JACK FOSTER: Okay. Hey, well listen. You
know, I guess I'm lucky, I get to talk to you every day.

But I got an individual here, and this is that 4 o'clock
thing that we should do everyday. I don't have a whole
lot, but I do an individual I want to introduce to you.

And his name is Al Hochevar. And he's with INPO, and
he's doing some work around here that I know it's going
to be interesting for the PMT.

And we want figure out a way to sort of,
connect the dots, between the INPO folks that are doing
some monitoring type stuff here, and also the PMT.

JESSICA: Okay.

JACK FOSTER: Because it, oh, I'll tell you

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1 what, I'll let Al speak to you, and he can give you,
2 as far as the skinny on some of the products they have
3 that you guys might be able to use. Okay? Go ahead Al.

4 JESSICA: Okay, that'll be good.

5 AL HOCHEVAR: Hi Jessica. How you doing?

6 JESSICA: Hi, good. How are you?

7 AL HOCHEVAR: Great. Thank you. I'll put
8 a (inaudible) to you. Jessica, what INPO is, we represent
9 the U.S. nuclear industry.

10 JESSICA: Okay.

11 AL HOCHEVAR: And since this event occurred,
12 we set up an emergency response center at INPO, which
13 is in Atlanta. And we've got some health physicists
14 running around the place, and they're getting information
15 from Guyano (phonetic) Tokyo Center, which is another
16 organization that's world wide. And it was developed
17 after Chernobyl.

18 We're getting information from TEPCO, dirt
19 and radiation doses. They're feeding it into INPO and
20 we're helping TEPCO do some calculations on that data.

21 What Jack told me, is that you're doing the same.

22 So what we thought we might be able to combine
23 our forces, so that we're consistent in the data. We
24 can share data, so that if you have something, and we
25 don't, or we have something that you don't we can mutually

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1 share and make sure that we're getting the best product
2 possible. So I'm just approaching that to you, to see
3 if you're interested in doing something like that?

4 JESSICA: Yes, I mean I have to run it past
5 the team, but it sounds like a good idea.

6 JACK FOSTER: Okay. Yes. And I think that,
7 most of the people on that team have either worked with
8 INPO, or are familiar with them enough to know that they
9 are, you know, for the most part stationed in America,
10 but they're world wide organization. Do a lot of work
11 all the way around the world.

12 JESSICA: Great.

13 JACK FOSTER: And so I was thinking that
14 tomorrow around this same time, we could call up again.
15 If there are individuals, if we can get some individuals
16 on line, that we can talk to about, you know, the right
17 people to talk to at both organizations, maybe we can
18 get this thing started.

19 JESSICA: Yes, let's do that.

20 JACK FOSTER: Okay, so tomorrow, we'll, you
21 know, same time, 4 o'clock, we will call you up and then,
22 and maybe at that point we can tie down some expectations
23 and things like that?

24 JESSICA: Yes. Sure. That's be --

25 JACK FOSTER: Okay, and I just wanted to

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1 let you know too, tomorrow will be my last shift.

2 JESSICA: Oh, okay.

3 JACK FOSTER: I will be shipping back to
4 the states on Sunday.

5 JESSICA: Good.

6 JACK FOSTER: So, will hope to see you soon
7 then.

8 JESSICA: Yes.

9 RANDY: Hey, Jack?

10 JACK FOSTER: Yes.

11 RANDY: Randy here.

12 JACK FOSTER: How you doing Randy?

13 RANDY: Pretty good, what about you?

14 JACK FOSTER: Oh, yes. You know, I'm getting
15 close to coming home.

16 RANDY: Good, hey, did your, is the guy who's
17 going to replace you with you now, or?

18 JACK FOSTER: No. That'll be the turn over.

19 The turn over will be tomorrow, and it's not a guy,
20 it's a lady. And you probably familiar with her. She's
21 probably about ten times better at health physics than
22 I am, which is not saying a tremendous amount. But her
23 name is Marie Miller.

24 RANDY: Wonderful. Hey Jack, we've been
25 asked to, well actually I'd like to ask you a bunch of

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1 questions for you to pass on to the Japanese. Can we
2 do that now?

3 JACK FOSTER: You know what, we can do that,
4 but I would rather instead of verbally asking me. Just
5 send me an email. I haven't gone, the last couple days
6 is, most of the direction has been toward the reactor
7 side. To meet with NISA and TEPCO, okay, and the Ministry
8 of Defense.

9 But if you provide those questions to me,
10 I'll make sure that Tony (phonetic) or Kirk Foggie, get
11 the questions. And I'll make sure they get back to you.

12 But does that sound okay? If you write them down?

13 RANDY: Well we've got them written down.

14 JACK FOSTER: Okay, why don't you email them
15 to me, Jack.Foster. And I will process them in just
16 a few minutes. They've got a couple meetings coming
17 up in the next couple hours. In fact, they're meeting,
18 we're meeting until 9 o'clock tonight.

19 RANDY: Great. On the way.

20 JACK FOSTER: Okay, and I'll tell you what.
21 I'll look at them, if they're some that I can instantly
22 tell you the answer to, I will. You know, I'll respond
23 immediately, but --

24 RANDY: Good, so you'll be around for the
25 next several minutes? And we can maybe knock some of

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1 these out?

2 JACK FOSTER: Sure, if I can? Maybe you
3 can help too, Al?

4 AL HOCHEVAR: Sure.

5 JACK FOSTER: You want me to go ahead and
6 print those out, and then we'll start working on them,
7 on the phone right here?

8 RANDY: Yes, that'd be great. It's on the
9 way.

10 JESSICA: Yes, I just added some (inaudible)
11 to send over.

12 JACK FOSTER: Okay. I got to go into the
13 other room and print it out. I'll be right back.

14 (Off microphone discussion)

15 JESSICA: He's off? You still there, Jack?

16 AL HOCHEVAR: No, he went off to retrieve
17 it. We're in a different room from the printer.

18 JESSICA: Oh, okay.

19 (Off microphone discussion)

20 (Inaudible)

21 JACK FOSTER: Hey, Randy?

22 JESSICA: That's Jack Foster.

23 JACK FOSTER: Hey, Randy have you sent them?

24 RANDY: Yes.

25 JESSICA: Yes, they're sent.

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1 JACK FOSTER: Okay, I just checked my email,
2 they weren't there, so I'll check again. I got Dan Dorman
3 here and Al's still here so, can we, can you go ahead
4 and start speaking to the questions and I'll go, stop
5 in just a second and go back in there and check again.

6 RANDY: Sure thing. When's the next AMS
7 flight?

8 DAN DORMAN: The next AMS flight? Okay,
9 that's a question the DOE has. They're usually about
10 every seven hours, not sure when the last one was.

11 RANDY: Well we don't we have had data for
12 two days.

13 DAN DORMAN: Okay.

14 JESSICA: No, AMS data came in the 24th.

15 RANDY: Okay.

16 JACK FOSTER: That's one day.

17 AL HOCHEVAR: That's one day.

18 JACK FOSTER: Is that one day, or is it the
19 24th day --

20 RANDY: The 24th was yesterday, our time.

21 DAN DORMAN: Right so it's the 24th there
22 now.

23 JESSICA: 24th, hasn't gone over the weekend,
24 because --

25 JACK FOSTER: It's the wee hours of the 25th

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1 there, so.

2 DAN DORMAN: Okay, so near about a day behind,
3 but I thought I saw it go by, but I'll make sure you
4 get it again. Or get it the first time.

5 JESSICA: We didn't get any today.

6 RANDY: But today is fairly young.

7 JESSICA: It was not yesterday, but the day
8 before. Their 24th.

9 RANDY: I see, I see. So you're telling
10 me we received it on the 24th, but it was done on the
11 23rd?

12 JESSICA: On our 23rd.

13 RANDY: Is that what we think?

14 JACK FOSTER: AMS, okay.

15 RANDY: So when is the next one?

16 JACK FOSTER: I'll tell you what, I don't
17 know the period in which they do the flights. But I
18 will go up there right after this and tell the guy that's
19 in charge of that, to make sure that PMT12, by God, gets
20 the latest data. I solemnly promise to do that.

21 (Crosstalk)

22 RANDY: Hey, we got a couple of questions
23 from Congress that I'm sorry to burden you with but maybe
24 you've already answered it. Maybe you can help us. We
25 understand that two workers, well there was a report

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1 of two workers being hospitalized due to radiation
2 exposure. Is that true?

3 (Crosstalk)

4 DAN DORMAN: This is Dan, I saw that report
5 in our newspaper that we get at the hotel this morning.

6 There was a supposition that they had. Well first off,
7 it was for contamination (inaudible), and the supposition
8 that I saw in the media report was that they had been
9 in some water that had caused the contamination to get
10 past their anti (inaudible) basically. And they were
11 talking, they were talking about exposures in the ten
12 rem range.

13 RANDY: Yes, but Dan?

14 DAN DORMAN: And I think that same article
15 also indicated there have been 17 that's, one thousand
16 persons who had received doses in the ten rem range.
17 And to say they were hospitalized. I would characterize
18 it, they were sent to the hospital for, you know, for
19 immedial treatment.

20 I had no, I didn't read in to it, that they
21 were, you know, intensive care cases from any kind of
22 exposure. More of just they knew they got a high dose,
23 and they sent them there for appropriate treatment.

24 RANDY: Hey, we have one report that says
25 three workers are in the hospital because of radiation

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1 burns to their feet. And a report that two workers --

2 DAN DORMAN: That other one that I'm
3 understanding to have been gotten, had gotten their feet
4 into some water, some hot water as it were. But beyond
5 that I, beyond what I saw in the Japan Times, I can't
6 really comment.

7 JACK FOSTER: Yes, I thought off hand, I'd
8 find apparently (inaudible) --

9 RANDY: Well guys I think those CNN reports
10 is what Congress is asking us about.

11 DAN DORMAN: (Inaudible).

12 RANDY: So are we allowed to ask --

13 JACK FOSTER: I think all we can say, is
14 we're seeing the same media reports out of Tokyo Times?

15 RANDY: Well can we ask the Japanese about
16 them?

17 JACK FOSTER: Yes, we can explore that.

18 (b)(5)
19
20

21 RANDY: Okay.

22 JACK FOSTER: So, we can work that one on
23 the margin, but I can't promise you I'd place any killer
24 priority on it.

25 DAN DORMAN: Well Al's got an idea about

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1 how to call a care center or something about that, I
2 don't know.

3 AL HOCHEVAR: I'll talk to a Wild Tokyo
4 Center, we have a rep there, and see if I can run that
5 down.

6 RANDY: No, I mean, that's a reasonable
7 response. I don't disagree with that response, I'm just
8 seeing passed by the EP with a high priority.

9 JACK FOSTER: Okay, we got pass (inaudible),
10 so Al's going to see what he can run down for us beyond
11 just confirming that we've seen the same media report.
12 So we'll work it.

13 Okay, so I was able to print out your questions
14 Randy, so we got Number 1, well actually let me start
15 with Number 1. Yes, and I can appreciate that too. It
16 looks like pretty good data from MEC.

17 RANDY: Yes.

18 JACK FOSTER: I also faxed two things this
19 morning to you. I don't know if you saw that or not.

20 RANDY: You know, I wasn't here this morning,
21 right. I only got in --

22 JACK FOSTER: Yes, Randy, do you guys do
23 turn overs?

24 RANDY: Yes, sure we do.

25 JACK FOSTER: Okay, well my (inaudible) send

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1 the same stuff --

2 RANDY: Not very effective. Are you asking
3 me, are we receiving MEC's files, or the monitoring point
4 files? Yes, definitely.

5 JACK FOSTER: Let me start again, Randy.
6 I sent two faxes this morning with different data, than,
7 not MEC's data, but different data. One was at 7:50
8 our time, which I guess is 6:50 your time, p.m. And
9 it, the subject line was, "Web Site for Measurement of
10 Dose, Rad Dose Around Tokyo Bay."

11 And basically that's what I'm trying to do,
12 is send you web sites with data that may not be, you
13 know, I can't verify the data is good or not, but I can
14 say that we found places that have what looks like good
15 measuring points. Okay.

16 So if you can find it, it was sent to the
17 OPS Center at 7:50. Okay, it's got the, I only sent
18 two pages of it because it was like a telephone book
19 if you printed everything out. But the first page that
20 you should have, has the https, or htp, you know, the
21 link to the web site, okay?

22 RANDY: Right good. Hey,

23 JACK FOSTER: It's around Tokyo Bay and it's
24 actually I think more that go up North. Okay the second
25 I sent at 7:30, which was 20 minutes earlier, is actually

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1 the sea area, I believe it's around the, yes, it's around
2 the Daiichi plant.

3 And it basically is a sea area monitoring,
4 at right around the area. And it breaks down the nuclides
5 and radioactive concentration. Okay? And that was, the
6 source was March the 24th.

7 So, you know, I'm sending these things and
8 I guess my expectation is that you look at them, and
9 say garbage, or more. And if you say more, I'll send
10 you more, and if you say garbage then I'll stop sending
11 them to you. But if you don't tell me that they're garbage,
12 I'll keep sending them to you.

13 RANDY: That's fine, just keep sending them.
14 We're attempting to trend the MEC's data, which may
15 be silly because maybe the Japanese are already doing
16 that?

17 JACK FOSTER: Yes.

18 RANDY: (b)(5)

19 JACK FOSTER: (b)(5)

20 (b)(5)
21
22

23 RANDY: Okay.

24 JACK FOSTER: (b)(5)

25 --

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1 RANDY: Hey, guys. No, is fine with me.
2 I mean if the answer is no, the site team is not going
3 to chase that, I'm good with that.

4 JACK FOSTER: Okay.

5 RANDY: You know, I'm not trying to redirect
6 you. I'm just trying to do, you know, keep my customers
7 satisfied.

8 JACK FOSTER: I thought we were your customer,
9 Randy?

10 RANDY: Can I possibly do anything for you
11 guys?

12 JACK FOSTER: Actually yes, because you are,
13 I mean one of the things that we were asked to support
14 last night, and we actually kind of tipped it over to
15 the DOE lead. DOE in the embassy here to lead the
16 coordination on it. But one of the things they asked
17 us for was to get together and compare notes on SPEEDI,
18 which is their, it's NISA's tool for dose projections.

19 And there's like a (inaudible), it's their counterpart
20 to RASCAL.

21 RANDY: Yes.

22 JACK FOSTER: And they want to do some dose
23 projections comparisons. So the DOE lead here in the
24 embassy has the lead for setting that up. But when we
25 get that, you know, we'll be reaching back to PMT for

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1 some help with that.

2 I told NISA this morning, I said I would
3 think that the first point for that meeting would be
4 to identify the assumptions and inputs. Because there's
5 no point in us going off and doing separate runs with
6 different assumptions, because I can guarantee you we'll
7 get different answers that way.

8 RANDY: Yes.

9 AL HOCHEVAR: I know that the gentleman who
10 created SPEEDI is over in Tokyo Center. I can provide
11 you that name if you want.

12 RANDY: I'm, we'll be happy to work with
13 them when the group is set up.

14 JACK FOSTER: Yes, DOE is actually involved
15 too. But you also mentioned that, you said, what can
16 we do for you? I asked Jeff Kulp, you know, last time
17 I think I talked to you, or the time before, or both
18 times, that it would not be bad idea to know what you
19 guys are doing. So I could better support you. If you
20 have a task, or some things that you have like, work
21 projects you going to do, or are doing.

22 RANDY: Oh, yes. No, that's no problem at
23 all. We've got taskers, you know, coming out our ears.
24 I'll be happy to text to you. I --

25 JACK FOSTER: Jack.Foster@NRC.gov.

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1 RANDY: Can you send them the PMT task list?

2 JESSICA: The (inaudible) --

3 JACK FOSTER: And Randy, one other thing,
4 I think this has been communicated to you guys, for us
5 on a different shift, but another area that NISA has
6 asked for a meeting on Sunday is to talk about monitoring
7 plans.

8 And so I'd asked that, you know, it may not
9 be quite exactly a PMT function, it may best be reached
10 back into FISMA or something, but in to look at, you
11 know, if were a building a monitoring plan for these
12 circumstances, what are the things that we would expect
13 to see in that plan?

14 Not that I want us to build a plan for them.
15 I would see our role in this meeting more as their building
16 the plan, does it have all the things that we'd expect
17 to see in it?

18 RANDY: Okay. So we will await --

19 JACK FOSTER: (Inaudible) that somewhere
20 in your list, but I think Mike Scott called that in,
21 sometime in the last 24 hours.

22 RANDY: It's not on our task list to the
23 best of my knowledge, but I mean anyway that's Sunday,
24 and today is, so like when the group is set --

25 JACK FOSTER: That meeting would be a day

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1 and a half from now.

2 RANDY: Yes, I would be, you know, I'm sure
3 we'll be happy to support it.

4 JACK FOSTER: I mean I think what, all I'm
5 looking for from you guys for that would be a, you know,
6 a list of questions. Here's the things we'd be looking
7 for in that. Kind of at the acceptance review level
8 of, did I have a complete package?

9 RANDY: Shouldn't we review, I'm yes, anyway,
10 you know, whatever you need we'd be happy to support,
11 but I mean, wouldn't we want to look at what they've
12 done? And try to provide positive input? Or do you want
13 a list of questions before they've developed any thing?

14 JACK FOSTER: I'm not sure they've done
15 anything yet. I mean, I think they're out there doing
16 monitoring.

17 RANDY: Yes, of course they are.

18 JACK FOSTER: But it's that, I think at this
19 point they're beyond the immediate respond monitoring,
20 and starting to think more of the, as we try to walk
21 this thing back in to the plan. In the clean up mode,
22 what are the things that we need be watching for? What
23 are the (inaudible) we need to do?
24 That kind of thing.

25 RANDY: Okay. Can I, that's all great.

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1 We'd be happy to help with that and just to give you
2 a sense of what turn over is like here. There are
3 absolutely no entries in the log book since I was here
4 24 hours ago.

5 JACK FOSTER: Well, let me ask you, in your

6 (b)(5)
7
8

9 RANDY: Well at least for the past day, but
10 I mean, I'm not trying to whine to you. I'm --

11 JACK FOSTER: Yes, I know, but what I'm,

12 (b)(5)
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1 (b)(5)
2

3 RANDY: So, you know, a way that would, this,

4 (b)(5)
5

6 Now I mean I'm, I'm happy to try to translate what you
7 said about a Sunday meeting. You know, I've already
8 forgotten what time it is.

9 JACK FOSTER: I don't think we set a time.

10 But I'm guessing it'll probably ten or 11 in the morning,
11 our time.

12 RANDY: And it's a monitoring, well I see
13 Jessica did take it down. So that's terrific. So I'll
14 put that in the log and maybe put it in the task list
15 for us to prepare for, Sunday daytime or whatever.

16 JESSICA: No, this is INPO wants to have
17 a conference with us at 3, our 3 a.m., their 4 p.m. tomorrow.

18 RANDY: I'm sorry, so I did miss the Sunday
19 information. So it's long term or mid-term monitoring?

20 JACK FOSTER: (Inaudible) yes.

21 RANDY: Got it, or maybe it's really
22 mid-term?

23 JACK FOSTER: Yes.

24 RANDY: Okay, fine. Can I ask a couple more
25 questions?

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1 JACK FOSTER: Please do Randy, that's what
2 we're here for.

3 RANDY: Hey, Jack. I left the bullet off
4 our list there, but are there latitude, longitude
5 coordinates for the MEC's locations?

6 JACK FOSTER: I would bet there is, but I
7 would say it's not on data. I haven't seen it. You know,
8 we can ask.

9 RANDY: Yes, but --

10 JACK FOSTER: I'll fish around, okay?

11 RANDY: We're not trying to task anybody
12 with more work. We just wonder if we're not smart enough
13 to find it on line, you know?

14 JACK FOSTER: Okay. Lat, Lon, okay I'll
15 take a look at it, and if I can, you know, if I can figure
16 it out, I'll send you the information. And let you know
17 if it is there or not.

18 RANDY: Thanks man. Now here's one that
19 we need help from DOE. We've been asked, well you can
20 see the last bullet. We've been asked, we --

21 JACK FOSTER: Randy when you say, the regime
22 you're developing requires radiological coverage, what
23 kind of coverage are you talking about in terms of that,
24 I mean you're talking --

25 RANDY: HP techs.

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1 JACK FOSTER: HP techs, okay, but with a
2 general gamma detector?

3 RANDY: Yes, yes. Gamma and station
4 monitors. Nothing sophisticated.

5 JACK FOSTER: AFICs?

6 RANDY: Well we think just booties and gloves.
7 But I mean, I've got the, you know, it's two or three
8 pages long, but the point is, and we're going to send
9 that, I want to get it out of here this shift. I mean,
10 you know, I consider it a draft a --

11 DAN DORMAN: (b)(5)

12 (b)(5)
13

14 JACK FOSTER: Yes, and I think the, my

15 (b)(5)
16
17
18
19

20 RANDY: Well if not DOE, I mean is there
21 somebody who's you know --

22 JACK FOSTER: Yes, I'm going to read the

23 (b)(5)
24

25 RANDY: Yes. Gees.

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1 JACK FOSTER: We'll check it out, we've got
2 a State Department embassy guy that --

3 RANDY: I mean we're supposed to be helping
4 the embassy, not --

5 JACK FOSTER: What?

6 RANDY: Well, yes. Anyway they would need
7 to reach out to somebody or do it themselves. And we
8 were just hoping to help them find that somebody.

9 JACK FOSTER: Yes.

10 RANDY: But maybe they've got it.

11 JACK FOSTER: But I'm guessing the, you know,

12 (b)(5)
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24 But I'm guessing at the end of the day it
25 may be, you know, when you get close, put on your gloves

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1 and booties, and shhh. And take them off before you
2 get back in the car (inaudible). As opposed to actually
3 having somebody there to, with every AMCIT (inaudible).

4 RANDY: Yes.

5 JACK FOSTER: But we'll check it out and
6 get back to you.

7 RANDY: Well I mean, we weren't intending
8 that, I mean we have to think our way through this.
9 I don't know that I've provided detailed enough guidance.

10 But you know, one would think there'd be a general idea
11 of, about the dose rates in a village. And then some
12 kind of frisk out on the way back out, kind of thing.

13 I'm not expecting somebody to go with them --

14 JACK FOSTER: Yet the question is, the
15 question where do you do the frisk out on the way out?

16 RANDY: Yes, well, I mean we wouldn't be
17 able to answer that. That has to be done locally.

18 JACK FOSTER: Yes, we noted.

19 RANDY: And I can't do that from here. But,
20 you know, so one guy could probably take care of a couple
21 dozen.

22 JACK FOSTER: Okay.

23 RANDY: I guess. I mean if a couple dozen
24 live in a village.

25 JACK FOSTER: Yes.

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1 RANDY: Know what I mean? I'm not trying
2 to (inaudible).

3 JACK FOSTER: We'll get back with you. What
4 time is your shift over with, Randy?

5 RANDY: Seven, 7 a.m. our time.

6 JACK FOSTER: Our time? 8 o'clock.

7 RANDY: Yes, but I mean.

8 JACK FOSTER: Okay, I've got a few hours
9 to get back with you, right?

10 RANDY: No, no. You don't have to get back
11 with me. I mean, yes, please get back with us.

12 JACK FOSTER: I'll try.

13 RANDY: I'll leave this somehow in the note.

14 JACK FOSTER: Okay. And then the last thing
15 I wanted to reiterate, if you would look back over those
16 faxes, you may not have them in front of you.

17 RANDY: I've got them. I've got them.

18 JACK FOSTER: Okay, and just look over the
19 data and I'm sort of, I've got things cued up here, if
20 you give me a thumb's up or a thumb's down email. I'll
21 start feeding you more. You know, what I'm saying. I
22 just feel awkward sending them to just like an open hole
23 that I'm not sure what's happening with it.

24 So all I need is a small indication from
25 you guys back there, that yes this looks good, send more.

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1 You know what I'm saying? And I will, I'll back, you'll
2 get a (inaudible) of fax over the next 24 hours.

3 DAN DORMAN: Yes. Going back to the two
4 individuals, Randy.

5 RANDY: Yes.

6 DAN DORMAN: Al's got word back from Guyano,
7 source to TEPCO of two individuals with exposures in
8 the range of 17 rem, treated for beta burns.

9 RANDY: Thank you.

10 DAN DORMAN: I've asked him for some
11 additional information. That's all I have right now.

12 RANDY: And do you think those are the same
13 three workers who had their feet in contaminated water?
14 Or? I know it's two and three, but --

15 DAN DORMAN: Well you know, the ones that
16 you sent over, is three individuals for 18, 17 to 18
17 rem exposures, and this is talking about two individuals
18 treated for beta burns, so I think this one to me, answers
19 your fourth bullet. Oops, hang on. Okay, three workers
20 had received between 17 and 18 rem while laying cable
21 in the basement of the Unit 3, turbine building.

22 RANDY: Okay.

23 DAN DORMAN: Two of them had radioactive
24 contamination on both of their legs and were sent to
25 the hospital for decontamination.

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1 AL HOCHEVAR: Willy-nilly the whole thing
2 at PMT12, Randy.

3 DAN DORMAN: So they got beta burns on their
4 feet.

5 RANDY: Thanks for your help guys.

6 (Off microphone discussion)

7 JACK FOSTER: So I think that's about all
8 we have. I'll, you'll be getting an email shortly about
9 the last bullet and if you would send me back you know,
10 what you think about the data that I'm sending you.

11 RANDY: Yes.

12 JACK FOSTER: And I will go up to DOE and
13 ask them about the next flight. Now the question says
14 when is the next flight? But the other question, the
15 trailing question is send the latest information. Send
16 the latest data, right?

17 RANDY: Well you know, maybe they are doing
18 it? Probably they are sending the latest data.

19 JACK FOSTER: Okay, because I, you know,
20 I'm not checking every, each piece of data.

21 RANDY: No.

22 JACK FOSTER: But I am seeing that the NIT,
23 the NIT OPS is actually, I've seen several DOE NIT OPS
24 emails fly by my inbox.

25 RANDY: Okay.

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1 JACK FOSTER: So, I haven't been checking
2 them, but that's who you'd be looking for. And I do
3 know that the DOE NIT OPS had, and I explicitly made
4 them promise that they would put the PMT12 mail box on
5 it.

6 RANDY: Hey, Jack, yes. Probably we're
7 getting them. I mean, what my staff told me was, it
8 was shutdown over the weekend due to weather.

9 JACK FOSTER: Oh, okay.

10 RANDY: And I didn't realize that there'd
11 actually been a --

12 DAN DORMAN: Oh, that's right. It wasn't
13 over the weekend, it was a couple of days ago.

14 RANDY: Yes, that's what I meant. But you
15 know, my staff tells me --

16 DAN DORMAN: You got two lousy days early
17 in the week.

18 JACK FOSTER: It was ran.

19 RANDY: So as I'm talking to you, Jessica
20 tells me that we just got one. So, you can see I'm not
21 too well read.

22 RANDY: Hey, Jack, some days ago, we talked
23 about asking the Japanese to give us an update should
24 environmental monitoring, you know, spike high by a factor
25 of ten. Do you think that request is still active?

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1 JACK FOSTER: You know I gave that to Tony
2 and I don't think it actually, you know, went too far.

3 I, you know, Tony --

4 MALE PARTICIPANT: (Inaudible).

5 JACK FOSTER: Yes. So I'll tell you what,
6 let me, let me write that down again.

7 MALE PARTICIPANT: The corollary to that
8 is, where are we with the monitoring, the early warning?

9 And --

10 JACK FOSTER: Right. See I, it's sort of
11 interesting question, because I haven't really seen any
12 particular, you know, from the Japanese side of our early
13 warning, of an early warning type system. I'm sure they
14 have it, but on the other side of the coin is that DOE
15 enable reactors are working on early warning systems
16 that they, for the United States embassy side.

17 RANDY: Oh. Well maybe that's good enough,
18 I don't know.

19 JACK FOSTER: Yes, we, they actually the
20 Naval reactors, I think is pulling three teams to try
21 to do like, you know, try to figure percent of line full
22 plume areas, where they can do mobile monitoring.

23 You know, and I don't think the plans have
24 been completely 100 percent put together, but they do
25 have, they do have people in the field. Soon as I see

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1 a plan or you know, sort of the strategy, I'll email
2 that to you.

3 RANDY: Okay.

4 JACK FOSTER: And you know, of course there
5 are a couple of, you know, and there are (inaudible)
6 monitoring the data that's coming in, but not all that
7 data is real time. You know, it's several hours behind.

8 And we do have some real time cams that are like on
9 top of the buildings here, and some other buildings around
10 here. But I think that the idea is to get a little bit
11 closer to the, to sort of like ground zero, if you want
12 to call it that.

13 MALE PARTICIPANT: We were surmising that
14 you know, I mean since the site's 150 miles away, you
15 know, we thought if we could get something closer to
16 the site, there'd be, you know, decent warning time for
17 you people in Tokyo.

18 JACK FOSTER: Yes.

19 MALE PARTICIPANT: Also we were thinking,
20 yes, you know, (inaudible) doesn't do you much good if
21 you don't see it coming, right?

22 MALE PARTICIPANT: Yes. I mean, you know,
23 you've got to bask in the plume for a while to exceed
24 the tag, but you know, we were thinking there'd be several
25 hours warning if we could get that information.

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1 JACK FOSTER: Exactly.

2 (Crosstalk)

3 MALE PARTICIPANT: The other thing we've
4 had available right now, is the ME's data which I guess
5 gets updated to their web site every six hours, but could
6 be, you know, nine to 11 hours old by the time it actually
7 gets there. And that assumes you're sitting there
8 watching for them to post updates. And so that's why
9 we were talking about some other kind of early warning
10 system here.

11 JACK FOSTER: And like I say, Navy's got
12 feet on the ground as we speak and are planning adding
13 more. And as soon as that data starts rolling in, in
14 fact you, in fact you may have some of that data already.
15 That the NR has sent.

16 RANDY: Okay.

17 JACK FOSTER: I'm pretty sure you have it.
18 A guy name Troy Mueller, if you look at, and I told
19 him to include your, the PMT12 on that too. So if you,
20 you may have some of that early warning data coming in
21 already.

22 RANDY: We've got like,

23 JESSICA: 23rd.

24 RANDY: Yes, we got something on the 23rd
25 from Troy Mueller. Interesting.

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1 JACK FOSTER: Yes.

2 RANDY: I'll look at that when I have a moment
3 to breathe.

4 JACK FOSTER: Yes, it's crazy and that's
5 why the main thing is that I keep, you know, harping
6 that I just need to know if it's what you need.

7 RANDY: Well, you know more is better, but,
8 you know, frankly we're --

9 JACK FOSTER: Overwhelmed?

10 RANDY: Yes, well we're also over tasked.
11 But I live to serve and I'm happy to do everything we
12 can.

13 JACK FOSTER: Okay, well, you know, I guess
14 it's better, like you say, more is better, but --

15 RANDY: Yes, more is better.

16 JACK FOSTER: We'll do what we can do to
17 help you.

18 RANDY: I'm going to pass these two, on to
19 the Rad guys and ask them to take a closer look at it.
20 .And we'll get back to you. I mean there'd be no reason
21 not to send it Jack, but I'll ask them to look at it,
22 and if there is a reason to forget about it, we'll let
23 you know. Otherwise consider it, that we thank you for
24 sending it.

25 JACK FOSTER: Okay, okay. I'll keep it,

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1 I'll keep the flow going.

2 RANDY: Thanks man.

3 DAN DORMAN: Hey, Randy?

4 RANDY: Yes.

5 DAN DORMAN: This is more of a hypothetical
6 question. We're sitting here dealing with this, just
7 kind of steady slow bleed, release ongoing for many,
8 many days. And my understanding, my very limited
9 understanding of RASCAL is, you take a chunk of stuff
10 and you release it. Is that right?

11 RANDY: Well, let me --

12 DAN DORMAN: I mean does RASCAL, does RASCAL
13 model, because I, guess to put it another way, is RASCAL
14 able to model a slow bleed? A chronic.

15 RANDY: You know, RASCAL is not the
16 appropriate tool for where we are right now.

17 DAN DORMAN: That's what I, that's what I'm
18 kind of surmising. Do we have a another tool that's
19 better for where we are right now?

20 RANDY: Not that we're using.

21 DAN DORMAN: Dowe have one, out in the offices
22 somewhere?

23 RANDY: Well I'm having that conversation
24 with the ET right now. That we're well beyond the, where
25 we should be using RASCAL now.

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1 DAN DORMAN: Yes.

2 RANDY: But I think the question you're
3 asking, is how to project the doses we're getting right
4 now? And frankly where we stand now, monitoring is better
5 than projecting. I mean it would be better if you had,
6 you know, environmental monitors at the site. I mean
7 affluent monitors at the site, that would be useful.

8 JACK FOSTER: We agree. We definitely agree
9 on that.

10 RANDY: But the, don't have --

11 DAN DORMAN: Let me paint you the problem

12 (b)(5)

13 (b)(5)

that

14 yes, the cores are damaged, but they're in the vessels
15 and yes, there's probably, there could be damage to Unit
16 2 and 3 containments, but the cores are in the vessels.

17 And I've got people on my team here, who

18 (b)(5)

And what I'm trying to

19 figure out is, you know, if you have cores in the vessel
20 albeit damaged, but you're blowing down through the
21 suppression pool and venting out. Or you're blowing
22 down to the suppression pool and leaking out, either
23 way, that gives you one kind of source term.

24 But if you've got the vessel sitting on the
25 bottom of containment, and you're venting through a blown

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1 O-ring at the dry well head, I would think that would
2 give you a different kind of source term. And what I'm
3 trying to figure out, is, is there any way from any kind
4 of plume or deposition data that we have, to provide
5 any kind of meaningful assessment of which option we
6 may be looking at?

7 Because what I'm trying to figure out is,
8 we've got a lot of information on our side that says
9 you guys should be kind of, give it up and flood the
10 containment, (b)(5)

11 (b)(5)

12 RANDY: Dan --

13 DAN DORMAN: And I don't have any definitive
14 thing to say, yes, that's where we are. Make it happen.

15 So I was wondering if there was anything --

16 RANDY: Yes, yes there is. Yes. Can you
17 hear me now?

18 DAN DORMAN: Yes.

19 RANDY: I have two things to say to you.

20 DAN DORMAN: Thank you.

21 RANDY: We have, if you take a look at the

22 (b)(5)
23
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1 (b)(5)
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9 DAN DORMAN: Okay.

10 JACK FOSTER: Hey just to, if you guys are
11 done with that subject, just a heads up that Al's going
12 to go ahead and send out to Al Kamenpose (phonetic),
13 send that information about the exposed dosed people
14 that we were talking about earlier, so let's just scratch
15 Rich about that Randy, that's what we have.

16 RANDY: Yes.

17 (Crosstalk)

18 JACK FOSTER: Okay.

19 RANDY: Yes. That's okay. Now I'm, I was
20 reading a DOE report last night from the day before.

21 JACK FOSTER: Yes.

22 RANDY: And they gave us several, I'm sure
23 you guys have that somewhere.

24 JACK FOSTER: Yes, I've got it probably.

25 RANDY: Probably, and they're conclusion

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1 was, no core damage is indicated in the samples. So
2 to answer to the question that Dan asked, I mean it's
3 a reasonable question. But you know, we're usually
4 standing in a hypothetical plume eight hours after the
5 accident, or four hours after the accident during a drill,
6 and saying well the constituents of this plume indicate
7 core damage.

8 JACK FOSTER: Right.

9 RANDY: Twelve days later, with various
10 venting and the plume is mainly blowing out to sea, you
11 know, we just don't, I mean maybe there's depositions
12 somewhere. I'd think in the northwest maybe?

13 DAN DORMAN: North, northwest, and then to
14 a much lesser degree in a, to the south, and slightly
15 west of south, we had a system stalled here a couple
16 of days ago, that was blowing things our way for about
17 36 hours. But if you look at the AMS sheet, you get
18 a few elevated spots along that trail compared the very
19 clear plume out to the northwest from last week.

20 RANDY: Well I don't have the DOE
21 measurements correlated in time. Although they are
22 correlated in space. And that was their conclusion.
23 So I, post plumes, you know, probably didn't indicate
24 you know, core melt nuclides.

25 So I'm just saying that the, you know, 12

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1 days into it, or is it 14 days into it? The situation
2 is a bit messier than you might imagine, but yes, we
3 should be able to make that determination if we had a
4 good sample from the current plume.

5 DAN DORMAN: You might want to make a note
6 to Charlie Miller in the Task Force, that he's getting
7 tasked with, on the lessons learned, is you know, it's
8 way too soon to delve into this particular issue, but
9 this slow bleed, I don't think is a scenario that most
10 of our planning is built around, and we may want to reexamine
11 that?

12 RANDY: Sure, but --

13 DAN DORMAN: I don't know if you'd, you know,
14 on how we, I don't always track on some of these things,
15 I've got to start making my own notes good, so some of
16 these things keep cross, crossing my mind, saying six
17 months from now we should be taking a look at this.

18 RANDY: We definitely, definitely should,
19 but I mean we do have monitoring data, Dan.

20 DAN DORMAN: Yes, yes, no. I understand
21 that, I, you know, I'm looking at things like the flap

22 (b)(5)
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1 (b)(5)

2 RANDY: The answer's yes, isn't it?

3 DAN DORMAN: That's the answer I want to
4 avoid. Those, so you know, if there's something else

5 (b)(5)

6
7 It would be, you know, I think the comment

8 (b)(5)

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13 And I think that, that's an important
14 perspective to have in our current situation. But we
15 want to make sure that it would never come up if we actually,
16 God forbid, ever have one of these domestically.

17 RANDY:

(b)(5)

18 okay?

19 DAN DORMAN: I'll do my best. I think I'm
20 at a safe distance from that perspective.

21 RANDY: All right.

22 DAN DORMAN: Thanks.

23 RANDY: Thank you.

24 JACK FOSTER: I'll get back to you in a few
25 minutes Randy.

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1 (Off microphone discussion)

2 JACK FOSTER: Randy?

3 RANDY: Yes.

4 JACK FOSTER: I'll get back with you on the
5 DOE question in just a few minutes, and I'll check with
6 the embassy and see what they have to say about, you
7 know, the assets to monitor people going in and out of
8 radiation areas, okay?

9 RANDY: Thanks for your help.

10 JACK FOSTER: And you know, it might not
11 be a bad idea too, that I was thinking two things while
12 we were talking, and I'll just pass them along. Over,
13 you know, until I leave, it might not be a bad idea if
14 anything you mail to me, you go ahead and put Marie Miller's
15 address, copy her on it too.

16 RANDY: Okay.

17 JACK FOSTER: Because she going have to,
18 she'll be coming up to speed. She's supposed to be in,
19 I think today, and in to work tomorrow. Okay.

20 RANDY: Marie.Miller, right?

21 JACK FOSTER: Marie.Miller. Okay, and the
22 second thing is I was thinking that, you know, in order
23 to sort of separate the wheat from the chaff, then maybe
24 you might want to make a PMT data, at you know, HOC.
25 You know, I'm not sure if you can have the IT people

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1 do that, but to send all the data and the monitoring
2 data and things like that into one box.

3 It might be a little bit more manageable
4 than to have all the other, you know, regular document,
5 you know, regular communicating mail in there. You know,
6 just a thought.

7 RANDY: Thanks man.

8 JACK FOSTER: I'm not telling you how to
9 do your stuff there, but tell Lou that and sees what
10 he says.

11 RANDY: Okay.

12 JACK FOSTER: Did I know, you know, I know
13 that at least you can have one person say, you know,
14 your job is to look at this data and either use it or
15 not use it, but I think if you get regular communication
16 mail in there, and you have to read it, and take action
17 on it. It may not be the same mind thought, mind set
18 as actual monitoring data, or radiological data for RASCAL.
19 Just a thought.

20 RANDY: Thanks man.

21 JACK FOSTER: Okay. I'll get back to you
22 soon.

23 RANDY: Appreciate it.

24 JACK FOSTER: Okay.

25 RANDY: Bye.

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JACK FOSTER: Bye.

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(CONFERENCE CALL INITIATED)

JESSICA: OPS Center, Jessica.

OPERATIONS OFFICER: Hi, Dan Dorman on the
line.

JESSICA: Okay.

DAN DORMAN: Hello.

JESSICA: Hi, Dan. This is Jessica. How
are you?

DAN DORMAN: Good, thanks. How are you?

JESSICA: Good.

DAN DORMAN: I've got a data point for you.

JESSICA: Okay.

DAN DORMAN: This is coming from their NSC.

JESSICA: Oh, let me, my pen rolled away.
Okay, NSC.

DAN DORMAN: And for their calculations
using their SPEEDI code.

JESSICA: Okay.

DAN DORMAN: They are assuming a one to four,
times ten to the 14, becquerels per hour source term.

JESSICA: Okay.

DAN DORMAN: And they're probably going to
be interested to see, you know, what, with that kind
of input, what would we get for an output?

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1 JESSICA: Okay.

2 DAN DORMAN: So I don't know how that, you
3 know, per hour kind of source term works for you guys
4 with RASCAL, but --

5 JESSICA: Okay.

6 DAN DORMAN: If you guys could figure out,
7 you know, what you guys convert that to, and then run
8 it and see what it looks like. Then maybe over the next
9 day or two, maybe we can put together a expert meeting.
10 Dial you guys in, and see how our codes are comparing?

11 JESSICA: Okay.

12 DAN DORMAN: You okay?

13 JESSICA: What was it, make sure I got all
14 this. Okay, so their NSC, their SPEEDI code, they assumed
15 one for four, times ten to the 14th, becquerels per hour
16 as their source term. So we should run our code and
17 see if, what that comes out to?

18 DAN DORMAN: Yes, see what kind of an answer
19 we get. And you might take a look at the, you know,
20 the various monitoring data that we have and see how
21 that, see how your output compares to the monitoring
22 data as well.

23 JESSICA: Okay.

24 DAN DORMAN: Okay?

25 JESSICA: Great. Thank you.

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DAN DORMAN: Thank you.

JESSICA: Alrighty. Bye-bye.

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1
2 (CONFERENCE CALL INITIATED)

3 FEMALE PARTICIPANT: Protective Measures
4 Team.

5 HEADQUARTERS OPERATIONS OFFICER: Hi.
6 This is Headquarters Operations Officer calling.

7 FEMALE PARTICIPANT: Hey.

8 HEADQUARTERS OPERATIONS OFFICER: Hey, I
9 just received a telephone call from a (b)(6)

10 (b)(6)

11
12 FEMALE PARTICIPANT: Yes, he is.

13 HEADQUARTERS OPERATIONS OFFICER: And he
14 indicated he saw something on the news regarding radiation
15 spikes?

16 FEMALE PARTICIPANT: I think he's of the
17 level that it needs to go to the ET.

18 HEADQUARTERS OPERATIONS OFFICER: Well I
19 transferred him to the status officer, but I just wanted
20 to give you a heads up in case that call comes around
21 your way again.

22 FEMALE PARTICIPANT: Okay, and so what was
23 he looking for?

24 HEADQUARTERS OPERATIONS OFFICER:
25 Apparently he saw something on the news, and we're not

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1 monitoring news right now. But something about radiation
2 spikes in and around the plant.

3 FEMALE PARTICIPANT: Okay.

4 HEADQUARTERS OPERATIONS OFFICER: And he
5 kind of wanted an explanation as to the why?

6 FEMALE PARTICIPANT: Okay.

7 HEADQUARTERS OPERATIONS OFFICER: All
8 right?

9 FEMALE PARTICIPANT: So, no action now, just
10 awareness?

11 HEADQUARTERS OPERATIONS OFFICER: I'm just
12 giving you a heads up in case that call comes your way.
13 I transferred them directly into the status officer
14 because I thought that would be most appropriate to talk
15 to --

16 FEMALE PARTICIPANT: Right and I think what
17 they're trying to do is get that kind of response away
18 from the OPS, the response team, and to the line folks,
19 so.

20 HEADQUARTERS OPERATIONS OFFICER: Right,
21 okay.

22 FEMALE PARTICIPANT: We'll figure it out.

23 HEADQUARTERS OPERATIONS OFFICER: All right.

24 Thanks.

25 FEMALE PARTICIPANT: Thanks.

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HEADQUARTERS OPERATIONS OFFICER: See you.

FEMALE PARTICIPANT: Bye.

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1
2 (CONFERENCE CALL INITIATED)

3 KATHY BROCK: Protective Measures Team.

4 OPERATIONS OFFICER: Yes, I have Larry
5 Camper on the line.

6 KATHY BROCK: Okay.

7 OPERATIONS OFFICER: Connecting.

8 KATHY BROCK: Hey, Larry. It's Kathy Brock.

9 LARRY CAMPER: Hey, Kathy. How are you?

10 KATHY BROCK: Great. How are you?

11 LARRY CAMPER: Listen, I was going to mention
12 to the ET, or at least share it with you guys, when we
13 lost the bridge for a while, for a few minutes.

14 KATHY BROCK: Yes.

15 LARRY CAMPER: And while we were off, I was
16 explaining to Bill, one of the Commission's (inaudible)
17 Bill, had asked a question about, you know, these
18 assumptions, and why some of these assumptions are being
19 used. And why aren't we using more realistic scenarios
20 and stuff (inaudible).

21 So when we were down, I quickly explained
22 to him, that Bill, I said, some of these assumptions
23 are several days old. And of course they have to be
24 negotiated with NARAC, before changes can be made. And
25 it takes time to make the run.

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1 And that the compendium that PMT is helping
2 and will show the various runs and what they were called,
3 and what the source term was, the assumptions and so
4 forth, that will help with that a lot. And Terry mentioned
5 that during briefing.

6 But I just wanted to make you guys aware
7 that I did try to explain to Bill while we were off line
8 that, why these assumptions seem to be old.

9 KATHY BROCK: Okay.

10 LARRY CAMPER: Okay?

11 KATHY BROCK: Thank you.

12 LARRY CAMPER: You know, because he had the
13 question. And it's easy when you're out there listening
14 in, you keep asking the question. Well why aren't we
15 using more realistic stuff? Why aren't we? It's because
16 we make assumptions at the moment and time marches by,
17 and we're saying no, the run or the particular analysis
18 is several days old.

19 KATHY BROCK: Right.

20 LARRY CAMPER: Okay. But anyway, I just
21 wanted to make you guys aware that I was explaining that
22 to Bill and to Pat Castleman while we were off line.

23 KATHY BROCK: Okay. Thank you. Take care.

24 LARRY CAMPER: I mention to Terry, he did
25 cite that, but anyway I just want you guys to be aware

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1 of that.

2 KATHY BROCK: Thank you.

3 LARRY CAMPER: Okay. How you doing?

4 KATHY BROCK: I'm real good. I had two days
5 off, so I feel a little fresher now.

6 LARRY CAMPER: Oh, good for you. Well you
7 have a nice day, okay?

8 KATHY BROCK: You too.

9 LARRY CAMPER: Okay, good. Bye-bye.

10 KATHY BROCK: Bye.

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(CONFERENCE CALL INITIATED)

FEMALE PARTICIPANT: NRC. Good morning.

KATHY BROCK: Hey, Kathy Brock calling.

FEMALE PARTICIPANT: Hey, how are you?

KATHY BROCK: Pretty good. How are you?

FEMALE PARTICIPANT: I'm doing great.

KATHY BROCK: Good. Hey, I'm back in the
OPS Center.

FEMALE PARTICIPANT: Back on rotation.

KATHY BROCK: Yes, taking rotation.
Question for you.

FEMALE PARTICIPANT: Answer for you.

KATHY BROCK: And I know you will have an
answer.

FEMALE PARTICIPANT: Oh, oh.

KATHY BROCK: So KI --

FEMALE PARTICIPANT: Oh, God. I knew you
were going to ask that question, you know.

KATHY BROCK: So I think they're, they
meaning whoever, is looking to see if there is some kind
of guidance out there for extension of shelf life?

And I know just from looking at the web site,
our web site, and remembering that, you know, we said,
hey, you guys can still keep using these tablets. But

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1 was anything formally put out by any agency?

2 FEMALE PARTICIPANT: Yes, there was.

3 KATHY BROCK: Where can I find it, or can
4 you email to me?

5 FEMALE PARTICIPANT: It should be on our
6 web site, but let me look and see. I have a copy of
7 it. It came from FDA.

8 KATHY BROCK: No letter, no letter.

9 FEMALE PARTICIPANT: Are you there, on the
10 web site, let me see.

11 KATHY BROCK: Yes.

12 FEMALE PARTICIPANT: Let me see which, where
13 it is. Because we talked about, God, why is this computer
14 so friggin slow? Come on internet, there we go.

15 KATHY BROCK: I'm just at the part where
16 for the distribution of pediatric KI, where HHS made
17 it all available.

18 FEMALE PARTICIPANT: Okay, you go to the
19 Frequently Asked Questions. And it's, What is the Shelf
20 Life?

21 KATHY BROCK: Where is it?

22 FEMALE PARTICIPANT: Oh, yes, okay.

23 KATHY BROCK: FA, oh, which can FAQs?.

24 FEMALE PARTICIPANT: Here we go, What are
25 the Requirements if a State chooses to extend the shelf

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1 life? The letter it should be there. Let me see if this
2 is the right letter? Oh, oh, come on. Don't go down.
3 This should be it. Where we get an FDA letter --

4 KATHY BROCK: Yes.

5 FEMALE PARTICIPANT: February 2007. Oh,
6 no, that's not it. That's the letter from the legal
7 counsel. Okay.

8 KATHY BROCK: You know, the first letter,
9 on the first page. This is from Gary Buehler, is he
10 in FDA? Where's he from? Yes, no HHS, yes FDA.

11 FEMALE PARTICIPANT: Yes.

12 KATHY BROCK: We understand that certain
13 take on residents, blah, blah, blah.

14 FEMALE PARTICIPANT: Yes, there it is.
15 Shelf life extended, FDA in a letter.

16 KATHY BROCK: Yes, I think that's it.

17 FEMALE PARTICIPANT: Yes, that's the letter.

18 One of it, yes there it is. Roy Zimmerman, Director
19 Department of Health and Human Services. Now, you know,
20 that's very specific to that particular event. Right?

21 FDA itself, the guidelines from FDA, so send
22 that letter, but there's also FDA guidelines, which
23 apparently the FDA changed and we didn't update our links.

24 Bad (inaudible) do that. But I'll send you the actual,
25 the PDF on FDA guide, on how you can consider updating

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1 your shelf life. The stuff never friggin expires.

2 KATHY BROCK: Right.

3 FEMALE PARTICIPANT: You know, I just think
4 it's a --

5 KATHY BROCK: Even the liquid?

6 FEMALE PARTICIPANT: The liquid does. The
7 liquid because of the, not because of the potassium iodine,
8 but because of the stuff it's suspended in.

9 KATHY BROCK: Right.

10 FEMALE PARTICIPANT: Right, because it
11 breaks down. The sugars starts, breaks down after a
12 time and that's what drives the, that's what drives the
13 degradation of the product.

14 KATHY BROCK: Okay.

15 FEMALE PARTICIPANT: So liquid expires,
16 definitively on account of the suspended -- tablets as
17 long as you don't poke holes in the packages, and lick
18 the tablets --

19 KATHY BROCK: Great.

20 FEMALE PARTICIPANT: They're good forever.
21 Seriously, they're good forever, so.

22 KATHY BROCK: Well good, you send me that
23 guidance thing.

24 FEMALE PARTICIPANT: Yes, I'll do it right
25 now.

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KATHY BROCK: Thank you.

FEMALE PARTICIPANT: Okay, Bye.

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(CONFERENCE CALL INITIATED)

KATHY BROCK: Protective Measures Team.

RAY CLARKE: Hi, I'm Ray Clarke from EPA.

KATHY BROCK: Hi.

RAY CLARKE: Howdy.

KATHY BROCK: How are you?

RAY CLARKE: Fine. Did I speak with you
earlier?

KATHY BROCK: No.

RAY CLARKE: Not today, but --

KATHY BROCK: I've been off for two days.
So I don't think --

RAY CLARKE: Oh, you've missed the whole
thing then. Okay. This is actually kind of a diplomatic
call at this point.

KATHY BROCK: Okay.

RAY CLARKE: You guys sent us some power
plant monitoring data.

KATHY BROCK: Okay.

RAY CLARKE: That we're using to compile,
you know, from domestic sources.

KATHY BROCK: Okay.

RAY CLARKE: And I would told at the time,
that it came from NEI. And then we called back to ask,

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1 if we knew how it was collected, you know, physically
2 collected?

3 KATHY BROCK: Yes.

4 RAY CLARKE: And they said, well call the
5 power plants. Well we didn't do that, we called NEI.

6 KATHY BROCK: Yes.

7 RAY CLARKE: So now NEI wants to work with
8 us to send us the data. But they say they're working
9 on a way to send the data to you too. So I'm a little
10 --

11 KATHY BROCK: Okay, so we could be --

12 RAY CLARKE: Confused here.

13 KATHY BROCK: Can I get your phone number
14 because I think I need to ask my director, about what's
15 going on? I think he's going to know.

16 RAY CLARKE: Okay. Yes, I just don't, I
17 mean my inclination is to tell them that we've already
18 gotten data from you. But I don't want to, you know,
19 if whatever's going on. I didn't know how to figure
20 that out.

21 KATHY BROCK: Okay.

22 RAY CLARKE: But they want to talk to us,
23 so we can get a --

24 KATHY BROCK: And so this is the power plant
25 monitoring data, like, bombs. It's detecting iodine,

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1 that kind of thing?

2 RAY CLARKE: Those things, yes.

3 KATHY BROCK: All right, you have the lead
4 for that, right?

5 RAY CLARKE: For compiling it, yes.

6 KATHY BROCK: What about communicating with
7 the public?

8 RAY CLARKE: That is something they said,
9 that they want to have high level discussion about asking.
10 I mean we're doing it with our RadNet data.

11 KATHY BROCK: Okay.

12 RAY CLARKE: My boss at this point, is telling
13 me that we don't intend to go public. It's just to go
14 up to OSTP. But it was, yes.

15 KATHY BROCK: Okay, so you don't intend to,
16 sorry, EPA doesn't intend to go public on power plant
17 data?

18 RAY CLARKE: Right. Or, well the compiled
19 data. Because we're getting a Test Ban Treaty monitor
20 data as well, and I know, National Labs, I guess, although
21 I haven't seen that myself.

22 KATHY BROCK: So what constitutes the
23 compiled data?

24 RAY CLARKE: Just putting it all together.

25 KATHY BROCK: So and by it, all, that's the

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1 RadNet data, and from power plants?

2 RAY CLARKE: Right.

3 KATHY BROCK: Anywhere else?

4 RAY CLARKE: The Test Ban Treaty monitors
5 soon to be.

6 KATHY BROCK: Okay.

7 RAY CLARKE: Now this is just domestic.
8 Nothing to do with Japan, or anything.

9 KATHY BROCK: Right. Because I, the reason
10 I'm asking those questions is because when I came on
11 shift, they were talking about a Tasker we had, to call
12 EPA to kind of get squared away on who's got the lead
13 for compiling, and then who's got the lead to discuss
14 communicating?

15 RAY CLARKE: That was something that was
16 communicated, poor choice of words, communicated to me
17 from up there, and gees, I loose track of time and days.
18 I think it was yesterday.

19 KATHY BROCK: Yes.

20 RAY CLARKE: That the desire for the, you,
21 you guys, EPA, OSTP and I don't know, they might have
22 said DOE as well.

23 KATHY BROCK: I think so.

24 RAY CLARKE: Yes. To have a discussion on
25 that subject. But we agreed that would be a much higher

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1 level meeting than just us. So I just asked my boss

2 --

3 KATHY BROCK: Okay, so at the -- see, I said
4 the same thing. And it's tasked to my little group.
5 We do Protective Measures, so we have an Executive Team.
6 So when you say higher level, you're thinking the
7 Executive Team then?

8 RAY CLARKE: I'm thinking like, well I don't
9 know.

10 KATHY BROCK: Okay.

11 RAY CLARKE: I don't know what it meant.

12 KATHY BROCK: So we can --

13 RAY CLARKE: I'm thinking more like the Org.,
14 like our second level of management in the agency or
15 something like that.

16 KATHY BROCK: Yes, okay.

17 RAY CLARKE: Because if it's an OSTP meeting,
18 they're not going to send us over there.

19 KATHY BROCK: Yes.

20 RAY CLARKE: Not that sort of thing, I'm
21 sure.

22 KATHY BROCK: So wait, what's your phone
23 number?

24 RAY CLARKE: The one closest to me is 301-816,
25 I'm sorry.

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1 KATHY BROCK: That's me.

2 RAY CLARKE: I guess I don't want (inaudible)
3 you. God, 202, God. oh, which is another interesting
4 story by-the-way. But I 202-250-8926.

5 KATHY BROCK: Okay.

6 RAY CLARKE: Somebody I talked to, there
7 yesterday, was 81, told me 816-5419, which turns out
8 to be somebody who's, has nothing to do with the government
9 even.

10 KATHY BROCK: You know what's funny, is that
11 we finding that was happening. If you ever have a problem,
12 if you call 816-5100.

13 RAY CLARKE: That's what I've been doing.

14 KATHY BROCK: Yes, that's the best way to
15 do it, because I don't think these lines come in direct.

16 RAY CLARKE: Yes.

17 KATHY BROCK: Okay, so let me just review
18 here. So you did get the power plant monitoring data
19 from NEI. It --

20 RAY CLARKE: Well no, we got it from you
21 guys, the other day.

22 KATHY BROCK: Okay, okay.

23 RAY CLARKE: And we were told, it was from

24 NEI, (b)(4)

25 (b)(4)

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1 KATHY BROCK: Oh.

2 RAY CLARKE: That they're just working on
3 how to send it.

4 KATHY BROCK: But does it matter, because
5 you got what you need?

6 RAY CLARKE: Well for our purposes, no.

7 (b)(4)

8 KATHY BROCK: Okay.

9 RAY CLARKE: Because, but we're going to
10 call them back to discuss the format we'd like it in,
11 which I guess they've already done with you guys?

12 KATHY BROCK: Okay.

13 RAY CLARKE:

(b)(4)

14 (b)(4)

15 (b)(4)

16 (b)(4) (inaudible).

17 KATHY BROCK: I have no idea.

18 RAY CLARKE: What I'm (inaudible), right.

19 KATHY BROCK: Yes. I don't know the answer.

20 I'll talk with my director when he wanders back in,
21 because he was here yesterday.

22 RAY CLARKE: Yes.

23 KATHY BROCK: And I'll ask him about setting
24 up this call. Do you know who the other players were
25

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1 in DOE and OSTP?

2 RAY CLARKE: Names I was given, OSTP, no,
3 I don't know DOE. OSTP was (b)(6) I guess is
4 the name.

5 KATHY BROCK: Is it like ar (b)(6) or something
6 like that?

7 RAY CLARKE: Yes, it is.

8 KATHY BROCK: Okay.

9 RAY CLARKE: I believe it (b)(6)

10 KATHY BROCK: Okay.

11 RAY CLARKE: That's a guess anyway.

12 (Crosstalk)

13 KATHY BROCK: All right. Let me see what
14 I can do. Because like I said, we have a task to set
15 up this conference call, and we're trying to figure out
16 what the heck it was?

17 RAY CLARKE: Okay.

18 KATHY BROCK: And we can, so that really
19 would come down to discussing communications with the
20 public.

21 RAY CLARKE: Right.

22 KATHY BROCK: Okay.

23 RAY CLARKE: Based on this compiled data,
24 and the other thing is my diplomatic call one. Do you
25 want me to say anything, or bring it up?

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1 KATHY BROCK: I'm --

2 RAY CLARKE: Because we have not told them
3 that you sent us data yet. We didn't say you didn't,
4 but we didn't say you did.

5 KATHY BROCK: Okay.

6 RAY CLARKE: Because I didn't want to get
7 something crosswise there.

8 KATHY BROCK: All right. I'll find out if
9 there's any kind of, if we're telling NEI to do something
10 different than what you've, what we've already sent you.
11 I mean, because NEI knows we share across the government,
12 all kinds of things.

13 RAY CLARKE: Okay.

14 KATHY BROCK: You know. So I don't think
15 that they'd be any issue there.

16 RAY CLARKE: I didn't think so either, but
17 I just wanted to be sure on your end, that.

18 KATHY BROCK: Yes, I'm okay. You can't,
19 you can't (inaudible) in trouble. So don't worry about
20 that.

21 RAY CLARKE: Well I didn't want any, I had
22 to say, you've got know?

23 KATHY BROCK: I would say --

24 RAY CLARKE: No, we're not going to send
25 it you any more, so.

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1 KATHY BROCK: If you don't hear from me pretty
2 soon here, just go do what you have to do to get your
3 work done.

4 RAY CLARKE: Okay.

5 KATHY BROCK: You know? If you have to call
6 NEI to talk about the formatting, just go ahead.

7 RAY CLARKE: Okay, well I can certainly help
8 the officer.

9 KATHY BROCK: All right, I'm --

10 RAY CLARKE: In a little while here.

11 KATHY BROCK: Oh, I can see my director in
12 the other room, but I, hey, well, he'll, he'll come around.
13 You can, I'll chat with him.

14 RAY CLARKE: Okay.

15 KATHY BROCK: Very good.

16 RAY CLARKE: I will if you'd like me to,
17 run this up the channel here a ways. That's the nice
18 thing in NEOC, everybody's really handy.

19 KATHY BROCK: Yes.

20 RAY CLARKE: The next two or three levels
21 of management anyway.

22 KATHY BROCK: That's right.

23 RAY CLARKE: And say that this call may be
24 coming closer to reality, and shoot they would think
25 with me on it --

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1 KATHY BROCK: That would be great.

2 RAY CLARKE: That would help.

3 KATHY BROCK: That would be great.

4 RAY CLARKE: Okay. And what was your name?

5 KATHY BROCK: Kathy Brock.

6 RAY CLARKE: Kathy Brock. Okay. Yes, that
7 was funny the guys who called me to tell they had, tell
8 me they had clearance, called me yesterday morning at
9 3:15 on my cell phone at home.

10 KATHY BROCK: Great.

11 RAY CLARKE: They were very apologetic.
12 They didn't realize that it was a cell phone and we're
13 only running 12 hour operations basically here.

14 KATHY BROCK: Oh you're, see we're doing
15 24 still.

16 RAY CLARKE: That's what I heard.

17 KATHY BROCK: Yes. Yuk.

18 RAY CLARKE: But he was very, he said, I
19 thought this was a cell phone on the net.

20 FEMALE PARTICIPANT: Oh!

21 RAY CLARKE: Yes, I'm sorry, he said. No,
22 that's fine, I was waiting to hear this. Okay.

23 KATHY BROCK: All right.

24 RAY CLARKE: Well I won't hold you up.

25 KATHY BROCK: Thank you very much.

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RAY CLARKE: All righty.

KATHY BROCK: We'll be in touch.

RAY CLARKE: Okay.

KATHY BROCK: All right. Bye.

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(CONFERENCE CALL INITIATED)

AUTOMATED MESSAGE: This is Roger Rihm.
I can't take your call right now. Please leave a message
after the tone.

KATHY BROCK: Hey, Kathy Brock calling.
Listen, I'm having a little trouble getting time, with
all my other taskers, to work on your paragraph. But
I pulled together, I printed some status sheets that
I think that you can use to put together the paragraph.
So it that okay?

If you want, come on over to the, what's
the easiest thing? If you can get into the Operations
Center, and come to the back area where the PMT is.
I have, I'll be sitting here hopefully, but I'll put
a little sticky note on these status sheets for you.
Okay? Thanks. Bye.

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(CONFERENCE CALL INITIATED)

VINCE HOLAHAN: PMT, Vince Holahan.

OPERATIONS OFFICER: Hello, Vince, I've got a Wayne Walker from Region IV, he's a, with a, I mean a guy from South Texas Project. He said they detected some isotopes there and they wanted to inform you guys about.

VINCE HOLAHAN: Okay. Go ahead.

OPERATIONS OFFICER: Connect you now.

(Crosstalk)

VINCE HOLAHAN: Hello?

WAYNE WALKER: Hi, this is Wayne Walker. I'm a Branch Chief in Region IV. I'm over South Texas Project.

VINCE HOLAHAN: Hi, Wayne. It's Vince Holahan.

WAYNE WALKER: Hi, the reason I was calling,

(b)(4)

VINCE HOLAHAN: I copy that as

(b)(4)

(b)(4)

Do you know when that was taken?

WAYNE WALKER: I believe they said late

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1 (b)(4)
2

3 (Crosstalk)

4 VINCE HOLAHAN: Okay, (b)(4)

5 (b)(4) And

6 again it was South Texas Project?

7 WAYNE WALKER: That's correct.

8 VINCE HOLAHAN: Okay, well we'll make sure
9 we pass this along to EPA as well.

10 WAYNE WALKER: All right. Thank you.

11 VINCE HOLAHAN: Hey, thank you very much,
12 and we'll talk to you later, Wayne.

13 WAYNE WALKER: All right. Bye-bye.

14 VINCE HOLAHAN: Okay. Bye-bye.
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(CONFERENCE CALL INITIATED)

VINCE HOLAHAN: PMT, Vince Holahan.

OPERATIONS OFFICER: Mr. Holahan, I have a guy from PACOM, a Doug Wade, with some radiological data. He asked for Mr. Whitney, but I thought this would be appropriate, I send this call to Summers.

VINCE HOLAHAN: Yes, I guess if he was, okay well go ahead.

OPERATIONS OFFICER: This is a (inaudible) command, they're the military guys. Hello?

MALE PARTICIPANT: Hello.

OPERATIONS OFFICER: Yes, I'm going to connect you to him now.

MALE PARTICIPANT: That PACOM?

(Crosstalk)

OPERATIONS OFFICER: I got PACOM here, coming on.

FEMALE PARTICIPANT: Okay.

OPERATIONS OFFICER: All right. Go.

(Crosstalk)

FEMALE PARTICIPANT: Are we on? Hello?

(Crosstalk)

FEMALE PARTICIPANT: Did that do anything?
We still on?

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1 FEMALE PARTICIPANT: No. Hello? Anyone
2 here?

3 (Off microphone discussion)

4 FEMALE PARTICIPANT: Hello?

5 (Off microphone discussion)

6 FEMALE PARTICIPANT: I don't think we're
7 on.

8 MALE PARTICIPANT: No, I don't think so
9 either. We lost the call.

10 MALE PARTICIPANT: Yes, we're just holding.

11 MALE PARTICIPANT: Yes holding.

12 FEMALE PARTICIPANT: Hello?

13 MALE PARTICIPANT: Hold on Beth. Okay, I'm
14 sorry, yes go ahead, please.

15 CINDY JONES: This is Cindy Jones in the
16 Protective Measures Team room, a recorded line at NRC,
17 can I help you?

18 DOUG WADE: Yes, my name is Doug Wade, I'm
19 the senior analyst out at the U.S. Pacific command in
20 Honolulu. And we've been talking with Bruce Allen
21 (phonetic), over in the DNI's office about working with
22 someone there on some of our requirements and ideas on
23 how to lash up information flows. They keep giving me
24 the name of a, I'm sorry, the hand writing is hard, whether
25 a Mr. or Mrs. Whitney?

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1 MALE PARTICIPANT: It's a Mr. Jim Whitney.

2 DOUG WADE: Mr. Jim Whitney, okay. And I
3 was trying to hook up a venue in which we could talk
4 through some things. I don't know if this is a good
5 line? Or have I got the right office even?

6 CINDY JONES: What, what kind of information
7 are you, are you looking for? Jim is in our Threat Liaison
8 Team room, what, the room that you have here right now,
9 is the Protective Measures Team in the OPS Center. So
10 we do things like, dose projections, iodine, so forth.
11 So if you could clarify your question we can make sure
12 if it's Jim you need, or if it's us.

13 DOUG WADE: Okay. (b)(5)
14 (b)(5)

15 CINDY JONES: That would be Jim Whitney,
16 so we can get you to that. In the OPS Center, we do
17 (b)(5) So what I can do, is I can get
18 you his number, get your number excuse me, and I'll have
19 him give you a call right back?

20 DOUG WADE: Okay, that would be fine. Do
21 you --

22 CINDY JONES: And it's Doug?

23 DOUG WADE: Doug Wade.

24 CINDY JONES: Wade.

25 DOUG WADE: Right.

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CINDY JONES: W-A-D-E?

DOUG WADE: Correct.

CINDY JONES: Okay, Doug. And what's your number?

DOUG WADE: You looking for a gray, or NSDS, or a --

CINDY JONES: (b)(5)

that he can call on, then he can call you on that, and then can switch over on this side.

DOUG WADE: Okay, I've got, yes. I guess the easiest --

CINDY JONES: Give me both and then I'll give him both.

DOUG WADE: Okay. They can try the (b)(6) on --

CINDY JONES: Hold on one second, (b)(6)

DOUG WADE: (b)(6)

CINDY JONES: Okay, area code?

DOUG WADE: Okay, well that's a, the standard (b)(5)

CINDY JONES: Yes.

DOUG WADE: (b)(6)

CINDY JONES: Your secure line is (b)(6)

DOUG WADE: Right. (b)(5)

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1 (b)(5)

2
3 CINDY JONES: (b)(6)

4 DOUG WADE: Correct.

5 CINDY JONES: Okay, great. I'll get that
6 to Jim or whoever (b)(5) and we'll give you a
7 call right back.

8 DOUG WADE: Okay. Thank you very much.

9 CINDY JONES: Thanks, Doug.

10 DOUG WADE: Okay, out of here. Bye.

11 CINDY JONES: Bye.

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(CONFERENCE CALL INITIATED)

VINCE HOLAHAN: PMT, Vince Holahan.

OPERATIONS OFFICER: Yes, I got a Lieutenant Eberline (phonetic), from the U. S. Pacific Command out in Hawaii, would like to speak with someone over there please.

VINCE HOLAHAN: Okay.

OPERATIONS OFFICER: I'm connecting you now.

VINCE HOLAHAN: Hello.

LIEUTENANT COMMANDER EBERLINE: Good afternoon. This is Lieutenant Commander Eberline, I'm with the U. S. Pacific command in the Nuclear assessment working group here. Is this Protective Measures Team?

VINCE HOLAHAN: Yes it is.

LIEUTENANT COMMANDER EBERLINE: Okay, great.

I was given your phone number, it came in an email last night as a POC, to talk to NRC about to just to try and synchronize efforts. And so we'd have some insight into what you guys are doing in Japan in assessments. Things like that.

VINCE HOLAHAN: Do you know a Mr. Douglas Wade?

LIEUTENANT COMMANDER EBERLINE: Yes, I do.

VINCE HOLAHAN: We got off the phone with

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1 him about 15 minutes ago.

2 LIEUTENANT COMMANDER EBERLINE: Okay. So
3 he was probably asking you, various things on overall
4 big picture assessment?

5 VINCE HOLAHAN: That's pretty much it, yes.

6 LIEUTENANT COMMANDER EBERLINE: Where we're
7 at --

8 VINCE HOLAHAN: What we could provide, and
9 type of information, distribution of the information.

10 LIEUTENANT COMMANDER EBERLINE: As far as,
11 did he ask, okay. Yes, I didn't know he was going to
12 be making that call, but that's great. The only question

13 (b)(5)
14
15

16 VINCE HOLAHAN: No we didn't.

17 LIEUTENANT COMMANDER EBERLINE: Okay, do
18 you have anything? We've heard from the folks that are
19 down in Yokota right now, running the military efforts,
20 that some of those are enroute or may be in route to
21 assist? Do you have any, is that any, something that
22 you're aware of?

23 VINCE HOLAHAN: That's not something we're
24 aware of. That would probably either be DOE, or USAID.

25 LIEUTENANT COMMANDER EBERLINE: Okay, well

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1 I've got a DOE rep sitting right next to me. So I can
2 ask him.

3 VINCE HOLAHAN: Japanese have made a request
4 for robotics.

5 LIEUTENANT COMMANDER EBERLINE: Right.
6 They have, and yes, NRC's name had gotten tied up with
7 the robots. But if that's not it, then, Roger. So and
8 you just talked with Mr. Wade, so that answers most of
9 the questions. We were just running down the robotics
10 lead.

11 VINCE HOLAHAN: Okay.

12 LIEUTENANT COMMANDER EBERLINE: But that's,
13 try DOE then?

14 VINCE HOLAHAN: Yes. That's probably where
15 I would go.

16 LIEUTENANT COMMANDER EBERLINE: All right.
17 Hey, one other question is, since I've got you on the
18 line. (b)(5)

19 (b)(5)
20
21
22

23 VINCE HOLAHAN: Michelle?

24 MICHELLE: Which community are you speaking
25 about?

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LIEUTENANT COMMANDER EBERLINE:

(b)(5)

VINCE HOLAHAN: (Inaudible)? Okay.

MICHELLE: Not that I'm aware of. I mean we've been discussing this stuff with DOE and their (inaudible) through the NIT,

(b)(5)

(b)(5)

LIEUTENANT COMMANDER EBERLINE: Okay, but it's at that level of hold?

MICHELLE: Yes.

LIEUTENANT COMMANDER EBERLINE: Okay.

MICHELLE: Far as I'm aware.

LIEUTENANT COMMANDER EBERLINE: Okay, and I take it, everybody will know pretty quickly when they come out?

MICHELLE: Yes.

LIEUTENANT COMMANDER EBERLINE: Roger, that.

Thank you very much.

VINCE HOLAHAN: Thank you, have a good morning.

LIEUTENANT COMMANDER EBERLINE: All right.

You too. Bye.

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(CONFERENCE CALL INITIATED)

VINCE HOLAHAN: PMT, Vince Holahan.

OPERATIONS OFFICER: Hi, Vince. I've got a Mike McBrearty from San Onofre. He wants to talk to you.

VINCE HOLAHAN: Oh, yes. Fine.

OPERATIONS OFFICER: I'll connect it.

MIKE McBREARTY: Hello.

VINCE HOLAHAN: Hello.

MIKE McBREARTY: Hello.

VINCE HOLAHAN: Yes, Mike?

MIKE McBREARTY: Yes.

VINCE HOLAHAN: You sent us an email?

MIKE McBREARTY: I just wanted to confirm you received it. It sounds like you did.

VINCE HOLAHAN: Got it right here on the screen.

MIKE McBREARTY: Terrific.

VINCE HOLAHAN: And we're putting it into our data base and we'll be sending that off to EPA for consolidation.

MIKE McBREARTY: Okay, great. Okay, hey, have a good night. And I'll probably be talking to you again tomorrow night.

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VINCE HOLAHAN: All right. Thank you very
much.

MIKE McBREARTY: You're welcome.

VINCE HOLAHAN: Bye-bye.

MIKE McBREARTY: Bye.

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(CONFERENCE CALL INITIATED)

FEMALE PARTICIPANT: Protective Measures Team.

DANIELLE: Hi, my name is Danielle (phonetic). I'm in OIP.

FEMALE PARTICIPANT: Hi.

DANIELLE: I'm calling because I had a request in from Taiwan to sit in on your France, Canada, UK calls.

FEMALE PARTICIPANT: Oh. Okay.

DANIELLE: And I'm not sure, you know, I

(b)(5)

FEMALE PARTICIPANT: That's a good question because we'd, hum, hum, hum, NRC didn't initiate it.

DANIELLE: Yes.

FEMALE PARTICIPANT: (b)(5)

DANIELLE: (b)(5)

(b)(5)

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10 (b)(5)

So I'm wondering if I should put

11 it back through the PMT again?

12 FEMALE PARTICIPANT: How about, how about
13 this? And I'm glad you reminded me because I forgot.

14 I haven't been here in a couple days. When we have
15 the call today, why don't I ask if it's appropriate?
16 Because --

17 DANIELLE: Okay.

18 FEMALE PARTICIPANT: We were talking about

19 (b)(5)
20

21 (b)(5)

22 You know what I mean?

23 DANIELLE: Okay. Right.

24 FEMALE PARTICIPANT: But I could ask the
25 question.

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DANIELLE: So,

(b)(5)

(b)(5)

FEMALE PARTICIPANT: Okay.

DANIELLE: And then based on that, whether it's a yes or a no, we could either get some specific questions,

(b)(5)

(b)(5)

FEMALE PARTICIPANT: Yes. Yes I think so.

DANIELLE: Okay. Okay.

FEMALE PARTICIPANT: Okay well, all right we'll see what we can do for you.

DANIELLE: Thank you so much.

FEMALE PARTICIPANT: Okay.

DANIELLE: Bye.

FEMALE PARTICIPANT: Bye.

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(CONFERENCE CALL INITIATED)

KATHY: Protective Measures.

OPERATIONS OFFICER: I got Greg Clark
(phonetic) for EPA on the line.

KATHY: Greg Clark, okay.

OPERATIONS OFFICER: I'll connect you now.

KATHY: Hi, this is Protective Measures
Team.

RAY CLARKE: Hi, Kathy?

KATHY: Yes.

RAY CLARKE: It's Ray.

KATHY: Hi, there, Ray.

RAY CLARKE: EPA Ray, I guess.

KATHY: EPA, Ray. They said Greg Clark.

RAY CLARKE: Oh, okay.

KATHY: That's strange. All right.

RAY CLARKE: Oh well, that's my
enunciation?

KATHY: So EPA Ray.

RAY CLARKE: Right.

KATHY: So what do you know?

RAY CLARKE: Did you give the email message
I sent up there, whatever time it was.

KATHY: Oh.

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1 RAY CLARKE: Not long ago.

2 KATHY: Where did it come from? From you?

3 RAY CLARKE: It may have shown up, let me
4 see if I can find it.

5 KATHY: I have a gazillion emails.

6 RAY CLARKE: I haven't found it under Ray.

7 KATHY: And they're easy to ignore because
8 so many of them are the same thing.

9 RAY CLARKE: Right, I understand.

10 KATHY: But, so, but I, the answer's no.
11 I haven't seen anything of you. Maybe?

12 RAY CLARKE: It probably came from something.
13 Well I don't know on the outside. EOC environmental
14 unit, something to that effect? Or?

15 KATHY: Let me sort by from and see what
16 happens.

17 RAY CLARKE: All right, got new people coming
18 in, it's a big rowdy.

19 KATHY: It is, yes I understand.

20 RAY CLARKE: Regain your hearing.

21 KATHY: EOC environmental unit.

22 RAY CLARKE: Hey, hey guys. Go ahead.

23 KATHY: Okay. Yes, you wrote, we set up
24 the call but nobody joined us.

25 RAY CLARKE: Right.

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1 KATHY: Yes, and you know what? I've, let
 2 me go to my received. The last call I had about this,
 3 to explain it and not getting things screwed up. Yes,
 4 the last email I had about possibly setting up this meeting,
 5 was (b)(6) from OSTP is communicating with (b)(6)

6 (b)(6) (phonetic) from
 7 OSTP.

8 (b)(5)

9
 10
 11
 12 RAY CLARKE: Okay.

13 KATHY: Because the last email said from

14 (b)(5),(b)(6)

15
 16
 17 RAY CLARKE: Okay.

18 KATHY: So --

19 RAY CLARKE: Well, you know more than I do
 20 about it, which is good.

21 KATHY: Yes. I can --

22 RAY CLARKE: Because I'm just having to deal
 23 with our management here and there. (Inaudible).

24 KATHY: I'll send you, yes, I just forwarded
 25 it to your EOC email address.

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1 RAY CLARKE: Yes.

2 KATHY: So that's, I'm just kind of waiting
3 to see if they set one up. But we're, we're here, you
4 know.

5 RAY CLARKE: Yes.

6 KATHY: If one of us can jump on.

7 RAY CLARKE: Okay.

8 KATHY: We do our shift change at 3.

9 RAY CLARKE: Yes. Okay.

10 KATHY: And I don't who, but you'll get
11 whoever answer the phone.

12 RAY CLARKE: All right. Okay.

13 KATHY: All right?

14 RAY CLARKE: That'll teach them won't it?

15 KATHY: Yes. So, but if I do see something
16 that comes in, I'll let you know.

17 RAY CLARKE: Okay, I'll appreciate it.

18 KATHY: All right. Thanks.

19 RAY CLARKE: You're clearly (inaudible) in
20 the loop than I am, so.

21 KATHY: Because I just, I completely
22 inserted myself where I was not invited, but that's all
23 right.

24 RAY CLARKE: Okay.

25 KATHY: Thanks a lot.

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RAY CLARKE: Well thank you.

KATHY: Okay.

RAY CLARKE: All right. Bye.

KATHY: Bye.

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(CONFERENCE CALL INITIATED)

TERRY REIS: TerryReis, Protective Measures team.

OPERATIONS OFFICER: Yes, I've got Ray Clarke on the line from the EPA. He wants to speak to Kathy Brock.

TERRY REIS: Sure.

OPERATIONS OFFICER: Connect you now.

TERRY REIS: Okay. It's Ray Clarke. EPA Ray.

KATHY BROCK: Hey, Ray.

RAY CLARKE: Hi, did you call?

KATHY BROCK: I did call because I --

RAY CLARKE: Got another call.

KATHY BROCK: I was following up to the email for the 2:30 call that has the bridge line and everything.

RAY CLARKE: Right, okay.

KATHY BROCK: Because I just wanted to make sure you had it.

RAY CLARKE: Did you have the call in number for all that?

FEMALE PARTICIPANT: Yes, it's --

RAY CLARKE: We're on there, right there.

FEMALE PARTICIPANT: No, it's not on there.

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1 Here it is.

2 RAY CLARKE: But you have it, no she has
3 it, she was going to forward it to us, if we didn't.

4 KATHY BROCK: Yes, I already did forward
5 it to you.

6 RAY CLARKE: Right. Okay. Yes, they
7 apparently have it here.

8 KATHY BROCK: Very good. So we're going
9 to get on that call, now?

10 RAY CLARKE: Right. We're going to have,
11 apparently my real work boss, and our environmental unit
12 leader and public information person on, on our side.

13 KATHY BROCK: Okay, sounds good.

14 RAY CLARKE: All right.

15 KATHY BROCK: And we didn't see the issue
16 of communication on the top three list, but we'll probably
17 interject it.

18 RAY CLARKE: Oh, okay. Because we, I --

19 KATHY BROCK: Scroll down and you'll see
20 (Crosstalk)

21 KATHY BROCK: We're just getting hooked on
22 there now.

23 RAY CLARKE: Okay. What was the overall
24 message to decision makers? Oh, somewhere I thought
25 I saw --

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1 (Crosstalk)

2 RAY CLARKE: Okay. Somewhere I thought I
3 saw something about messaging. Probably not.

4 KATHY BROCK: It's the word messaging was
5 there, but it wasn't necessarily to the public.

6 RAY CLARKE: Maybe I read into it, yes.
7 Because I was flying through messages. Maybe that's
8 why.

9 KATHY BROCK: Yes, but we'll --

10 RAY CLARKE: Overall message to decision
11 makers is that?

12 KATHY BROCK: Yes, we'll bring it up.

13 RAY CLARKE: Yes.

14 KATHY BROCK: Okay, well we'll talk to you
15 in a couple minutes.

16 RAY CLARKE: All right.

17 KATHY BROCK: Thanks.

18 RAY CLARKE: Thanks for letting us know.

19 KATHY BROCK: Sure.

20 RAY CLARKE: All right. Bye.

21 KATHY BROCK: Bye.
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(CONFERENCE CALL INITIATED)

MICHELLE HART: PMT, this is Michelle Hart.

LEE VEAL: Hi, Michelle. This is Lee Veal.

I received a call, I'm with the EPA Emergency Operations Center. I just spoke to someone in your, 'some shop over there, about sending us nuclear power plant data.

MICHELLE HART: Yes.

LEE VEAL: This was a male.

MICHELLE HART: Yes.

LEE VEAL: And I gave email addresses and I need to correct one.

MICHELLE HART: Okay. I can get that to him.

LEE VEAL: Okay. There's one, EOC_ environmental unit. Yes.

MICHELLE HART: EOC, okay.

LEE VEAL: That I gave to him, and there's no, it's EOC_environmentalunit, all one word.

MICHELLE HART: Okay.

LEE VEAL: Itoldhimtherewasaspacebetween the two, there's not.

MICHELLE HART: Okay.

LEE VEAL: It's all environmentalunit@EPA.gov.

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1 MICHELLE HART: EPA.gov. And is that the
2 only information you need to correct?

3 LEE VEAL: Yes, that's the only correction.

4 MICHELLE HART: Okay, I will tell him right
5 now, because I think he's going to mail the email.

6 LEE VEAL: Thank you.

7 MICHELLE HART: Thank you.

8 LEE VEAL: Bye.

9 MICHELLE HART: Bye-bye.
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(CONFERENCE CALL INITIATED)

VINCENT HOLAHAN: PMT, Vince Holahan.

HEADQUARTERS OPERATIONS OFFICER: Hi. I got, this is Headquarters Operations Officer. I have James Baumgarden (phonetic) from Palo Verde on line. He'd like make a report to you.

VINCENT HOLAHAN: Very good, put him through.

HEADQUARTERS OPERATIONS OFFICER: Okay, here he is.

VINCENT HOLAHAN: Vince Holahan speaking.

JAMES BUNGARD: Hi. Good evening. This is James Bungard from Palo Verde Nuclear Generating Station.

VINCENT HOLAHAN: I'll bet you, you just finished sending us an email.

JAMES BUNGARD: Yes, sir. I did.

VINCENT HOLAHAN: I've got it on the screen right here.

JAMES BUNGARD: Okay and you've got both attachments with it?

VINCENT HOLAHAN: Got both attachments.

JAMES BUNGARD: Excellent.

VINCENT HOLAHAN: And I'm looking at that they've both opened up and we're going to be sharing

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1 that with EPA in just a few minutes.

2 JAMES BUNGARD: Okay, most excellent. If
3 they have any questions or something, please feel free
4 to give me a call. The number is listed on there, and
5 other than that, I will send you another one tomorrow.

6 VINCENT HOLAHAN: Fantastic. Have a good
7 evening.

8 JAMES BUNGARD: You do the same now. Bye

9 VINCENT HOLAHAN: Okay. Thank you very
10 much.

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(CONFERENCE CALL INITIATED)

MICHELLE HART: PMT, this is Michelle Hart.

Michelle, this is Steven (phonetic) calling.

Chief Warrant Officer (inaudible), from the Marine Corps,
calling from Yokota, Japan. How are you?

MICHELLE HART: I'm good how are you?

CWO STEVEN SPARKMAN: I have a specific
question that I need an answer for, and I can't get it
anywhere else. So I'm turning to you as another resort,
and I'm hoping you can help me out.

MICHELLE HART: Okay.

CWO STEVEN SPARKMAN: (b)(5)

(b)(5)

MICHELLE HART: Okay.

CWO STEVEN SPARKMAN: (b)(5)

(b)(5)

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1 I'm hoping you, do you know about this? Or are you?

2 MICHELLE HART: I personally don't.
3 Someone on my team may be able to direct you to the right
4 place for that. I'm not even sure that the NRC would
5 direct that for military personnel operating over there.

6 But I, unfortunately everybody has, that
7 knows more than I do, has left the room. And we can
8 give you a call back? If you'd give me a number?

9 CWO STEVEN SPARKMAN: How long do you think
10 before they call me back?

11 MICHELLE HART: I'm going to say 15, 20
12 minutes?

13 CWO STEVEN SPARKMAN: That's fine.

14 MICHELLE HART: Is that too long?

15 CWO STEVEN SPARKMAN: I, do you, well, of
16 course.

17 MICHELLE HART: Of course.

18 CWO STEVEN SPARKMAN: No. That's, I mean
19 that's okay. I'll have to wait. I've been waiting for
20 two weeks.

21 MICHELLE HART: Two weeks, okay.

22 CWO STEVEN SPARKMAN: (b)(5)

23 (b)(5)

24

25

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MICHELLE HART: Right.

CWO STEVEN SPARKMAN: (b)(5)

(b)(5)

MICHELLE HART: Right.

CWO STEVEN SPARKMAN: (b)(5)

(b)(5)

MICHELLE HART: Right.

(b)(5)

(b)(5)

CWO STEVEN SPARKMAN: (b)(5)

MICHELLE HART: (b)(5)

CWO STEVEN SPARKMAN: (b)(5)

(b)(5)

MICHELLE HART: Of course.

CWO STEVEN SPARKMAN: They're very, very low, very low. But still when I've got a background reading and my current reading is higher than the background reading --

MICHELLE HART: That's correct.

CWO STEVEN SPARKMAN: That tells me that something is there. And I need to know what is the safety margin that I can say, okay I don't care if it's there.

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1 Because it's not hurting me anyway.

2 MICHELLE HART: Right.

3 CWO STEVEN SPARKMAN: You know what I mean?

4 And I need something official.

5 MICHELLE HART: Okay.

6 CWO STEVEN SPARKMAN: (b)(6)

7 (b)(6)

8
9 MICHELLE HART: Right.

10 CWO STEVEN SPARKMAN: So I'll have the
11 authority to justify it and that's why I'm calling.

12 MICHELLE HART: Okay. I understand.
13 Please give me your name again, and a number where we
14 can reach you back.

15 CWO STEVEN SPARKMAN: That's going to be
16 interesting. My number, my name is Steven Sparkman.

17 MICHELLE HART: Sparkman?

18 CWO STEVEN SPARKMAN: With a P, Sparkman.
19 I'm a CW04, I'm a Chief Warrant Officer 4 in the Marine
20 Corps.

21 MICHELLE HART: Okay.

22 CWO STEVEN SPARKMAN: CBRN Officer. My
23 number, it's a BSN Number.

24 MICHELLE HART: Okay.

25 CWO STEVEN SPARKMAN: You all have BSN

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1 capability?

2 MICHELLE HART: That I'm not sure of. I
3 suspect that we probably don't.

4 CWO STEVEN SPARKMAN: That's interesting.

5 MICHELLE HART: That's another piece of
6 information, I'm not as aware of. You know, I kind of
7 working in the back.

8 CWO STEVEN SPARKMAN: (Inaudible) email to
9 your --

10 MICHELLE HART: You can send an email to
11 us, (b)(5) but if that's fine. You can
12 send an email to us.

13 CWO STEVEN SPARKMAN: I've already sent it.

14 MICHELLE HART: Okay.

15 CWO STEVEN SPARKMAN: And I asked that
16 question. And I sent it on your main page, I'm not sure
17 what that page was, Report of Safety Concerns?

18 MICHELLE HART: Okay.

19 CWO STEVEN SPARKMAN: And there's a --

20 MICHELLE HART: HOO? Was that the address?
21 Or you just clicked the link?

22 CWO STEVEN SPARKMAN: I clicked the link.

23 MICHELLE HART: Okay.

24 CWO STEVEN SPARKMAN: OPA.resource@NRC.
25 gov.

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1 MICHELLE HART: Okay. I can give you another
2 email address to send it, that'll come directly to our
3 desk here.

4 CWO STEVEN SPARKMAN: I'm typing now, tell
5 me what it is, I'll send it.

6 MICHELLE HART: It is PMT, poppa, mike,
7 tango.

8 CWO STEVEN SPARKMAN: Right.

9 MICHELLE HART: 12

10 CWO STEVEN SPARKMAN: Poppa, mike, tango,
11 12.

12 MICHELLE HART: Dot.

13 CWO STEVEN SPARKMAN: Dot.

14 MICHELLE HART: HOC, hotel, oscar, charlie.

15 CWO STEVEN SPARKMAN: Got it.

16 MICHELLE HART: @NRC.gov.

17 CWO STEVEN SPARKMAN: Okay, I'm just going
18 to send it to you, and ask you to read below.

19 MICHELLE HART: Okay. And you have a whole
20 list of the issues that you have, just to verify what
21 the email's about?

22 CWO STEVEN SPARKMAN: It's very simple.
23 It says, Hello from Japan. I'm, who I am, I'm (inaudible)
24 from your organization.

25 MICHELLE HART: Okay.

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1 CWO STEVEN SPARKMAN: (b)(5)

2 (b)(5)
3

4 MICHELLE HART: Right.

5 CWO STEVEN SPARKMAN: (b)(5)

6 (b)(5)
7
8

9 MICHELLE HART: Right.

10 CWO STEVEN SPARKMAN: So that, and I then

11 (b)(5)
12

13 MICHELLE HART: Yes.

14 CWO STEVEN SPARKMAN: The current most

15 (b)(5)
16

17 MICHELLE HART: What to do?

18 CWO STEVEN SPARKMAN: What level requires
19 decontamination?

20 MICHELLE HART: Okay.

21 CWO STEVEN SPARKMAN: What doesn't? What

22 (b)(5)

23 MICHELLE HART: (b)(5)

24 (b)(5)

25 CWO STEVEN SPARKMAN: Yes. (b)(5)

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1 (b)(5)
2

3 MICHELLE HART: Okay.

4 CWO STEVEN SPARKMAN: So we are doing it
5 the best we can.

6 MICHELLE HART: Okay. I will see what
7 information we can give you. You know, if there's somebody
8 else that can tell you the right answer, we will try
9 to direct you to that person. All I can tell you, is
10 we'll do what we can for you.

11 CWO STEVEN SPARKMAN: Okay.

12 MICHELLE HART: And I know that's not
13 necessarily satisfactory at this point in time, but I
14 need to do a little research into that for you.

15 CWO STEVEN SPARKMAN: Any help you all can
16 provide. Again, I've put on there, there is an immediate
17 need for this.

18 MICHELLE HART: Right.

19 CWO STEVEN SPARKMAN: Because there is.

20 (b)(5)
21
22

23 MICHELLE HART: Right.

24 CWO STEVEN SPARKMAN: So I'm calling you
25 all, thinking you all should have something, as you are

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1 the Nuclear Regulatory Commission. So if you can help
2 me, get some of those smart guys, tell them a country
3 boy (b)(5),(b)(6)

4 MICHELLE HART: I will do that. I'm from
5 (b)(6) myself, so you know, I know how it goes.

6 CWO STEVEN SPARKMAN: (b)(5)
7 (b)(6) and (inaudible) for a while.

8 MICHELLE HART: Okay. (b)(6) it's further
9 south than me, but -- all right. I will do what I can
10 for you. And we will let you know. Like I said, I'm
11 hoping that somebody will come back soon with that, that
12 has a better idea about this.

13 I do the dose analysis, I don't do the
14 decontamination part. And this is something that I'm
15 not as familiar with. So we'll see what we can get you.
16 Okay?

17 CWO STEVEN SPARKMAN: Okay. Thank you,
18 ma'am.

19 MICHELLE HART: Thank you. Bye.

20 CWO STEVEN SPARKMAN: Bye-bye.
21
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Official Transcript of Proceedings
NUCLEAR REGULATORY COMMISSION

Title: Japan's Fukushima Daiichi
PMT RAAD ASST Director Audio Files

Docket Number: N/A

Location: N/A

Date: March 26, 2011

Work Order No.: NRC-4222

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5 PMT RAAD ASST DIRECTOR AUDIO FILES

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7 SATURDAY,

8 MARCH 26, 2011

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(CONFERENCE CALL INITIATED)

0%Q()3G604065094

RANDY SULLIVAN: Randy Sullivan, PMT, NRC Headquarters.

OPERATOR: Transferring Marie Miller onto this --

RANDY SULLIVAN: Great.

OPERATOR: Hello?

RANDY SULLIVAN: Hello, Randy Sullivan, PMT.

MARIE MILLER: Hi, Randy, it's Marie Miller.

RANDY SULLIVAN: Yes, I've been waiting for you. What's your phone number by the way?

MARIE MILLER: Well, my BlackBerry?

RANDY SULLIVAN: Yes.

MARIE MILLER: Oh, what? I have to get it here, (b)(6) --

RANDY SULLIVAN: (b)(6) --

MARIE MILLER: (b)(6) --

RANDY SULLIVAN: (b)(6) --

MARIE MILLER: (b)(6) --

RANDY SULLIVAN: (b)(6) We felt kind of lost without you.

MARIE MILLER: Jack was keeping me kind of busy. I don't know if you would have been able to catch me but now we're connected. Sorry about that, Randy.

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1 RANDY SULLIVAN: No, that's good. I chatted
2 with Jack last night and he told me you were coming,
3 and I realized I wasn't smart enough to ask for your
4 phone number then.

5 MARIE MILLER: Well, I didn't have a phone
6 until today. They were carrying it from headquarters
7 so I think we didn't miss much here.

8 RANDY SULLIVAN: Got you.

9 MARIE MILLER: Jack Foster is here. This
10 is his last official function. He'll be heading out
11 tomorrow. And there's an individual from INPO, Al.

12 AL HOICHEVAR: Al Hoichevar.

13 RANDY SULLIVAN: Yes, we met last night,
14 right?

15 AL HOICHEVAR: Exactly.

16 RANDY SULLIVAN: Okay.

17 MARIE MILLER: And he's sitting in as well.

18 RANDY SULLIVAN: Wonderful.

19 MARIE MILLER: I know we did receive the
20 hopeful scenario information. I didn't get a chance
21 to read that yet, but we did receive that and there was
22 the one email we sent back to you forwarding Dr. Coleman's
23 (phonetic) comment with respect to talking a little bit
24 about what the PAG is for the area, kind of defining
25 that a little bit more.

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1 I mean obviously the dose rate information
2 is there. If you have that dose rate, you would get
3 to the PAG, but he wanted it to be put into context,
4 so that was the --

5 RANDY SULLIVAN: Well actually, our
6 suggested PAG is in the document. We were suggesting
7 that --

8 (Crosstalk)

9 RANDY SULLIVAN: Let me ask something, I
10 mean do you want to discuss that item first? Yes, we
11 did receive the Dr. Coleman comment. Do you want to
12 go into that, or do we have other things to talk about?

13 MARIE SULLIVAN: Sure, I think that's
14 probably the one action that we know is pressing.

15 RANDY SULLIVAN: Okay, good. Then let's
16 start with, I'm thinking, of course, I've been gone for
17 two shifts, right. When we sent that to you guys, Jack,
18 yesterday --

19 JACK FOSTER: Yes.

20 RANDY SULLIVAN: -- we thought somebody
21 there wanted this and we were thinking it was Department
22 of State, you know, like the Ambassador wanted --

23 JACK FOSTER: Yes.

24 RANDY SULLIVAN: -- our input. So, I mean
25 if I'd known this was going to go to some kind of interagency

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1 working group for comments, I might have put a cover
2 page on it --

3 JACK FOSTER: And that's good.

4 RANDY SULLIVAN: -- to explain --

5 JACK FOSTER: I don't think that we actually
6 asked you to develop the guidance. I just think that
7 we wanted to kind of have some background on how it got
8 initiated.

9 RANDY SULLIVAN: Well, I understand that
10 the Ambassador's people asked us to develop this guidance
11 for their use in country.

12 JACK FOSTER: Okay, and that may be the case
13 but no one here really knows that.

14 RANDY SULLIVAN: Okay. Well, then if this
15 document's not needed --

16 JACK FOSTER: No, Randy. Wait, let me back
17 up just a little bit. I don't want to infer that it's
18 not needed because after talking to people, it's a
19 legitimate concern that ultimately we're going to need
20 something like this. So yes, I think that you guys are
21 ahead, or we're ahead of the curve; mostly you guys on,
22 you know, starting to orchestrate the effort for this.

23 RANDY SULLIVAN: Well --

24 JACK FOSTER: I think it's well-received
25 that --

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1 RANDY SULLIVAN: -- we've been routinely
2 asked two questions with regard to protective actions.

3 One is, when would we suggest relaxing the 50-mile
4 American citizen evacuation PAG, and we've given that
5 information consistently. We would not relax it --

6 JACK FOSTER: Yes, right.

7 RANDY SULLIVAN: --until the--well, you've
8 seen all that, right?

9 JACK FOSTER: Exactly, yes.

10 RANDY SULLIVAN: Yes, fine. So that's
11 question number one. Question number two we got and
12 we thought we were working was what if we need to get
13 people back into the evacuated area to recover important
14 documents, or --

15 JACK FOSTER: You know what, that's
16 absolutely legitimate. When we started asking people,
17 I didn't mean to infer that it's not important that we
18 do this. The only thing I meant to say is that some
19 of the people just did not know that, you know, they
20 weren't aware that we were working on it.

21 But after discussion with them, their eyes
22 opened and they said hey, this is definitely legitimate
23 and we should be bringing this up in some of our other
24 meetings to make sure that when the time comes for this
25 to happen, we won't be scrambling around trying to figure

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1 out what to do. We'll have something already in place.

2 RANDY SULLIVAN: Okay, well sure, and that's
3 fine. But in today's ET meeting, I was kind of told
4 that, you know, I mean we really don't have the lead
5 for this kind of thing.

6 JACK FOSTER: And we won't, but I don't think
7 it's a problem at all for us to be involved because we
8 understand the limits.

9 RANDY SULLIVAN: Okay.

10 JACK FOSTER: Do you know what I'm saying?
11 There's nobody here, at least that I know of, that's
12 saying that the NRC should not be involved. I think
13 the implementation of it is going to be an Embassy and
14 State thing, and I also think that the Japanese Government
15 will be involved to a certain degree, because we --

16 RANDY SULLIVAN: Sure.

17 JACK FOSTER: You know, but I do think that
18 it's not a bad idea because we have experience and they
19 rely on our experience and knowledge here to go ahead
20 and --

21 RANDY SULLIVAN: Okay, but then help me,
22 NIH?

23 MARIE MILLER: Well, I mean both --

24 JACK FOSTER: You know, they called him in
25 actually as sort of a consultant type situation where

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1 he's actually been brought in and put on the team by
2 USAID. Okay?

3 RANDY SULLIVAN: Okay.

4 JACK FOSTER: Now, it's not --

5 RANDY SULLIVAN: But I mean DOE's got --

6 JACK FOSTER: He's not representing NIH at
7 all.

8 RANDY SULLIVAN: But I mean DOE's got guys
9 that do EP for a living, you know.

10 JACK FOSTER: Exactly, and they're part of
11 that team too, but --

12 RANDY SULLIVAN: Okay.

13 JACK FOSTER: -- they can handle, you know,
14 I think Monday is actually the day that we'll be -- go
15 ahead.

16 MARIE MILLER: Right, yes. No, Jack, I
17 appreciate it. I think what they're doing is that they're
18 trying to prepare an array of health-related messages
19 and protective-related messages that, as issues come
20 up, that they can go to; a bank of policies and guidance,
21 and communicate that.

22 JACK FOSTER: Right.

23 MARIE MILLER: And so therefore, they have
24 this health task force group that they're forming that
25 is going to work on these. And so, this reentry guidance

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1 that we brought in the same day that they're thinking
2 of these messages we're stating out today is something
3 that they just, you know, started the plan to do. That
4 would be, you know, one of the many messages --

5 JACK FOSTER: Right.

6 MARIE MILLER: -- that they would have in
7 their toolkit if you will. And one other thing we've
8 heard is that the RSO here for USA is responsible for,
9 you know, the workers and mission-related folks. And
10 so that they would want to make sure that there was also
11 a little bit of consistency as far as what they were
12 doing for mission-related services, and obviously
13 whatever was going to be for the general public, that
14 it would be below that.

15 And then also, what was the point on that?

16 That the Japanese Government probably would have to
17 be responsible for stating these messages (b)(5)

18 (b)(5)

19
20 RANDY SULLIVAN: Well, okay. But since
21 we're talking about an area that's well outside, a good
22 hunk of it is outside the area that the Japanese Government
23 suggested, I mean ordered evacuation, or voluntary
24 evacuation, I'm slipping a gear as to why the Japanese
25 Government would be, you know, controlling that. I mean

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1 maybe they would, (b)(5)
2 (b)(5)

3 JACK FOSTER: (Inaudible) Randy, because
4 that was one of the questions I had at the (inaudible)
5 and that's one thing that we're going to have to work
6 through. (b)(5)

7 (b)(5)
8
9
10
11

12 RANDY SULLIVAN: Yes.

13 JACK FOSTER: (b)(5)

14 (b)(5) So, I didn't get
15 an answer back and that's one of the things we've got
16 on the table to talk about. And that's one of the things
17 that's going to have to be communicated with this --

18 RANDY SULLIVAN: Okay. Well, I was just
19 sitting down to answer the comments from Dr. -- I'm sorry,
20 whatever his name is.

21 MARIE MILLER: Seth (phonetic) Coleman --

22 JACK FOSTER: Yes.

23 RANDY SULLIVAN: Yes.

24 MARIE MILLER: -- which we haven't met.

25 He is here, but he's been busy so we've only communicated

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1 email. So maybe, you know, with him directly. We've
2 talked to a chair of the team, but we didn't speak with
3 him directly.

4 JACK FOSTER: And I have seen him a couple
5 times and, you know, I think, Marie, I'll try to see
6 if we can connect Marie and him later.

7 MARIE MILLER: Yes, I think his main mission
8 is real -- he's an oncologist. He's the senior oncologist
9 and he's really going to be pairing up with the Japanese
10 experts with regard to health-related effects and that
11 aspect. So, I mean that's his main role.

12 RANDY SULLIVAN: Marie, did you say
13 oncologist?

14 MARIE MILLER: Oncologist, right.

15 RANDY SULLIVAN: A doctor who's a cancer
16 specialist?

17 MARIE MILLER: Yes.

18 RANDY SULLIVAN: Aw, guys, okay.

19 MARIE MILLER: But see the connection is
20 of health-related messages. Think of that as the broad
21 umbrella.

22 RANDY SULLIVAN: I understand
23 health-related messages, Marie. But I mean this is an
24 attempt to write a procedure that a rad contact could
25 use, you know, for reentry. How that relates to long-term

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1 health effects --

2 MARIE MILLER: But no, it doesn't. That's
3 the broader umbrella as far as having these messages
4 so that it's like one-stop shopping, you know, because
5 I mean obviously his (inaudible). They have an array
6 of people. They have occupational, health and safety
7 people on his team, and things like that, so he isn't
8 the person that is dictating this at all. His comment
9 was just making sure that, were we establishing new PAGs
10 and I think that was --

11 RANDY SULLIVAN: Well, let me say this, the
12 PAGs we're suggesting are in the procedure, they're
13 referenced, and actually we're well below. EPA would
14 have said that you can make these reentry people, you
15 can use the emergency worker doses.

16 We opted to use the NRC public dose guideline,
17 100 mR, and then we cut that in half just to be sure
18 to be sure, so we're not establishing PAGs. We're
19 establishing a regimen so that people can do a temporary
20 reentry and come back out.

21 MARIE MILLER: Yes.

22 RANDY SULLIVAN: Now, I think, you know,
23 I'm happy to answer comments, but I think us and the
24 good doctor are really talking past each other, and --

25 MARIE MILLER: Yes, I don't think you even

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1 have to, you know --

2 RANDY SULLIVAN: Yes.

3 MARIE MILLER: I think if you communicate
4 to me, or I mean what you're saying to me now, that's
5 sufficient. And in the meeting, I don't think he's looking
6 for anything in --

7 RANDY SULLIVAN: Okay.

8 MARIE MILLER: -- writing.

9 RANDY SULLIVAN: Good.

10 MARIE MILLER: I was just basically passing
11 on, you know, the thought base and the comment that we
12 had received because that was something that we thought
13 we were to do to circulate this --

14 (Crosstalk)

15 RANDY SULLIVAN: Make sure (inaudible) do
16 that.

17 MARIE MILLER: -- information around.

18 (Crosstalk)

19 MARIE MILLER: And so I think, you know,
20 you've addressed the question that we're not establishing
21 the PAG.

22 RANDY SULLIVAN: Yes.

23 MARIE MILLER: And then that's it, so we're
24 good.

25 RANDY SULLIVAN: Okay. I mean I don't intend

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1 to do anything else with that procedure. We'd be happy

2 --

3 MARIE MILLER: No, I think you're just
4 supposed to let us just -- one last thing is that we're
5 just going to wait for the RSO. Do you remember I started

6 --

7 RANDY SULLIVAN: Sure.

8 MARIE MILLER: -- this conversation with
9 form a sampling, making sure that what we're doing for
10 public is certainly at least below what we're doing for
11 NRC and mission-related folks --

12 RANDY SULLIVAN: Sure.

13 MARIE MILLER: -- in reentry. And we should
14 be getting that feedback probably early tomorrow at the
15 latest.

16 RANDY SULLIVAN: Well, fine. And I mean,
17 you know, we'd be happy to take comments and revise,
18 and do whatever you need, but as far as we're concerned
19 there's the draft.

20 MARIE MILLER: Sure. No, it looked
21 reasonable on our end and they're just going to take
22 one last look at that and that should be fine. I think
23 we had established a time of Sunday noon, so we should
24 be able to meet that.

25 RANDY SULLIVAN: Okay.

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1 MARIE MILLER: But we'd hoped to send you
2 Jim's (phonetic) if you --

3 RANDY SULLIVAN: No, that's fine. I mean
4 we're happy to support as you need it.

5 MARIEMILLER: Okay. So that's the one topic
6 that we had, and then there was a question that was with
7 regard to MECS data, whether or not we could have it
8 in latitudinal and longitudinal parameters coordinates.
9 And so we have not had the opportunity to talk to anyone
10 in that --

11 RANDY SULLIVAN: We figured that out so you
12 can take that off your list.

13 MARIE MILLER: Oh, what happened?

14 RANDY SULLIVAN: We figured out how to
15 represent the MECS data without giving the latitude and
16 longitude, so --

17 MARIE MILLER: Okay.

18 RANDY SULLIVAN: -- the guys worked through
19 it --

20 JACK FOSTER: I think that the other three
21 on that page, for the most part, have been taken care
22 of. We've sent you the information associated with the
23 exposure to the workers.

24 RANDY SULLIVAN: Yes, thank you very much.
25 We mis-communicated that through several different

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1 channels, but --

2 (Crosstalk)

3 JACK FOSTER: (Inaudible) okay --

4 RANDY SULLIVAN: -- you did what you needed
5 to do --

6 JACK FOSTER: -- and the first one was about
7 the reentry, and I think that's --

8 RANDY SULLIVAN: Yes.

9 JACK FOSTER: -- the one going right now.
10 Okay?

11 RANDY SULLIVAN: Yes. So, in order to help
12 you, let me just mention a couple things to you that
13 maybe you're not aware of.

14 JACK FOSTER: Okay, that would be great.

15 RANDY SULLIVAN: You know, I guess about
16 four shifts ago now, we worked up yet another source
17 term for NARAC to run, and this time they're running
18 it in-country. It's supposedly a realistic source term,
19 and if I understand things correctly, we have a draft
20 run from NARAC that I hope my staff reviewed and fed
21 back to NARAC if we had any comments.

22 NARAC is then going to do a rather hefty
23 source term, hypothetical source term that we had given
24 them several days ago, put the two of them, put the results
25 in the same document as sort of a good news/bad news

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1 sort of story. And then I guess they're going to give
2 the -- oh, I mean they work for DOE, they are DOE.

3 And then DOE is going to have that information
4 I guess as kind of a bounding analysis of what we think
5 the in-country release is. I'm a little bit surprised
6 by this. I didn't think these hypothetical source terms
7 were to be used in-country. I thought they were to be
8 used to assess potential impact on the U.S., but that's
9 the way it's evolved.

10 JACK FOSTER: I know exactly what you're
11 talking about.

12 RANDY SULLIVAN: Yes, so anyway, I don't
13 know if that information's helpful to you.

14 JACK FOSTER: Yes, it is.

15 RANDY SULLIVAN: But I guess DOE will have
16 that, I don't know, in the next day or two. And I'm
17 not sure what they're going to do with it, Marie. I'd
18 be happy to supply to you what we have. Wait a second,
19 this stuff is marked with some kind of "please do not
20 distribute", but --

21 MARIE MILLER: Right. I think someone sent
22 it. We have a 1600 hour doc, date March 25th, 1600?

23 RANDY SULLIVAN: No, I'm sorry. I gave the
24 document to my staff so I don't have it in front of me.

25 JACK FOSTER: But it's okay. I mean we're

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1 not distributing it, but it's good to see we are brothering
2 (phonetic) or doing it.

3 RANDY SULLIVAN: I guess, yes. I mean we
4 supplied the source terms, so I guess it's kind of a
5 joint effort. But, anyway --

6 MARIE MILLER: I guess on that, DOE had some
7 questions about strontium.

8 JACK FOSTER: Yes.

9 RANDY SULLIVAN: Oh.

10 JACK FOSTER: They're now ramming (phonetic)
11 up in the DOE, the AMS side of the house --

12 RANDY SULLIVAN: Yes.

13 JACK FOSTER: -- was asking about that
14 because he said that there was reports of strontium or
15 --

16 MARIE MILLER: Well, you know, I guess Pete's
17 (phonetic) been asked how much strontium do you think
18 is out there. And we said, you know, obviously it depends
19 on how significant the core damage was, but we would
20 certainly expect to see strontium.

21 So then he was indicating that up to this
22 point they really haven't done any wet chemistry to confirm
23 any strontium numbers based on the monitoring, because
24 they planned to start doing some wet chemistry by taking
25 samples and having them analyzed, by either naval reactors

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1 or on a ship or something.

2 JACK FOSTER: Yes. Do we have any info on
3 wet chemistry or --

4 RANDY SULLIVAN: Boy, you know, now that
5 you mention it, I'm coming up empty. I mean I've seen
6 several --

7 (Crosstalk)

8 JACK FOSTER: I knew they'd want me and others
9 to work on that. They had some isotopics down, but I
10 don't know --

11 RANDY SULLIVAN: No, we've seen lots of
12 isotopics.

13 JACK FOSTER: All right.

14 RANDY SULLIVAN: Both from the Air Force
15 and from DOE, you know, FERMAC, whoever they are --

16 JACK FOSTER: Yes.

17 RANDY SULLIVAN: -- and maybe even from the
18 Japanese themselves. But the more you mention it, I
19 don't recall ever seeing any strontium numbers. How
20 about you, Greg (phonetic)?

21 GREG: I don't either.

22 MALE PARTICIPANT: Strontium numbers?

23 RANDY SULLIVAN: Yes, it takes chemistry
24 right? You've got to do special things to see strontium.

25 GREG: Yes.

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1 MALE PARTICIPANT: Yes.

2 RANDY SULLIVAN: Everybody's agreeing, yes,
3 it is a wet chemistry thing. And has anybody seen any
4 strontium numbers in any of the data that we've received?
5 I'm sorry, I didn't have it in mind.

6 (Crosstalk)

7 RANDY SULLIVAN: Just off-hand, the staff
8 is saying no, we haven't seen any, and I'm sorry, I haven't
9 specifically kept an eye out for that, but --

10 MARIE MILLER: And of course, why that's
11 important, because that then falls into, you know, being
12 longer-lived, having more affect on agriculture, you
13 know, in the same league --

14 RANDY SULLIVAN: Sure.

15 MARIE MILLER: -- or even from a standpoint
16 of general contamination and so forth. So that's
17 something that DOE is going to be working on, trying
18 to get some numbers in there. So what their plan is
19 is to take some samples close to the boundary of the
20 site and get those out, so when we --

21 RANDY SULLIVAN: Okay.

22 MARIE MILLER: And then you -- go ahead.

23 RANDY SULLIVAN: By the way, have you seen
24 the DOE spectral analysis report where they say, based
25 on these analyses, we only detect a fuel rod gap activity

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1 release. I mean obviously there's core damage at this
2 site, but we do have at least one report from DOE says
3 what they're seeing is not indicative of core damage.

4 It's indicative of a gap release. I don't know.

5 MARIE MILLER: Well, I was speaking with
6 (inaudible) but oh, no, he didn't --

7 JACK FOSTER: He didn't say that.

8 MARIE MILLER: He didn't say that.

9 RANDY SULLIVAN: Okay.

10 MARIE MILLER: No, in fact you would be able
11 to tell that from your isotopics. You wouldn't have
12 to do any wet chemistry to prove that.

13 RANDY SULLIVAN: That's --

14 MARIE MILLER: That's just looking at, you
15 know, the ratio of the cesium, and I mean your notable
16 gases and ions can tell you that.

17 JACK FOSTER: Right.

18 RANDY SULLIVAN: Well, that's what DOE is
19 telling me, but I mean I think that must just be an
20 unfortunate sample or something.

21 JACK FOSTER: (Inaudible)

22 MARIE MILLER: Okay. And then there's one
23 new piece of information. Obviously that was one. The
24 second is that we were informed today that the Marines
25 have taken over doing the monitoring at the Embassy,

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1 and they're doing 12-hour samples now.

2 RANDY SULLIVAN: Cool.

3 MARIE MILLER: And then they're charting
4 the results, and we just asked today that those results
5 be sent to the PMT, so you should start to see those.

6 If not, you know, let us know and we'll post that again.

7 We've asked that I get a copy and that it also be sent
8 to PMT-12. And what's interesting to note there is that
9 they are seeing trace (phonetic) background with --

10 RANDY SULLIVAN: Sure.

11 MARIE MILLER: -- respect to --

12 JACK FOSTER: Iodine.

13 MARIE MILLER: Yes --

14 RANDY SULLIVAN: Sure.

15 MARIEMILLER: -- the iodine. And that there
16 was also, it's like a peak of about 44 MicroR.

17 RANDY SULLIVAN: Okay.

18 MARIE MILLER: So that's something that,
19 I mean we're not talking, you know, like in just millirems,
20 like you are seeing about typically 20/25 microrad.

21 RANDY SULLIVAN: Yes, it's well above
22 background.

23 MARIE MILLER: Right, and so they're
24 charting that.

25 RANDY SULLIVAN: You know, I mean this isn't

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1 -- don't take this to the bank, but what the meteorologist
2 was kind of saying to me with -- and I forgot which
3 meteorologist it was, is you know, the way the island
4 is shaped and the way the wind patterns are, it could
5 very well be that when we say it's blowing out to sea
6 at Fukushima --

7 JACK FOSTER: It might be coming back.

8 RANDY SULLIVAN: -- some of that kind of
9 whirls around --

10 JACK FOSTER: Yes.

11 RANDY SULLIVAN: -- the side of the island
12 and some mountains, and sort of heads back to Tokyo Bay.

13 JACK FOSTER: Yes.

14 RANDY SULLIVAN: Now, I don't know that
15 that's a prevailing pattern, I mean, but you know he
16 said that is a pattern there. Just because it's blowing
17 out to sea doesn't mean that trace amounts don't find
18 their way to Tokyo.

19 JACK FOSTER: Yes --

20 MARIE MILLER: Sure.

21 JACK FOSTER: -- and I'm hearing that cycle
22 you're talking about, Randy, happens about every four
23 days.

24 RANDY SULLIVAN: Okay. Oh, I see, all right.
25 So that is, yes, all right. That's not just --

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1 JACK FOSTER: And we'll see it like on a
2 weather report, but the phenomenon you're talking about
3 is spoken around here.

4 RANDY SULLIVAN: Yes, okay. Well then,
5 there you go. That's two data points. Maybe it's true
6 then.

7 JACK FOSTER: It' going to blow through.

8 RANDY SULLIVAN: Yes, right.

9 MARIE MILLER: I think they only have one
10 worker from a dosimetry standpoint that they're pulling
11 out. This is, you know, mission-related worker that
12 they're pulling back. I think they established a number
13 of 400 millirem for a 14-day period as being, if you
14 will, the limit for mission-related work.

15 (Inaudible) being very conservative.
16 Obviously not emergency, you know, worker limits, but
17 so, just from a standpoint of cycling people. So they
18 --

19 RANDY SULLIVAN: Wow.

20 MARIE MILLER: -- have one person that has
21 about 200, and so they're looking at that probably up
22 to size to maybe pull that person back. So they're being
23 very conservative about any mission-related work and
24 monitoring that closely.

25 RANDY SULLIVAN: You --

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1 MARIE MILLER: So from the standpoint of
2 the PMT roles, protection of the NRC folks here. We're
3 getting good information. People are watching things
4 closely and so there's obviously --

5 RANDY SULLIVAN: Nate?

6 MARIE MILLER: -- nothing that needs to be
7 changed to be effective, you know, what we're doing --

8 RANDY SULLIVAN: This --

9 MARIE MILLER: Bill Cook is going to be going
10 with the team to meet with the barge. He'll be about
11 20 miles out.

12 RANDY SULLIVAN: Yes.

13 MARIE MILLER: So we're hooking him up with
14 the RSO here, and you know, give him --

15 JACK FOSTER: Making sure he has the probable
16 (phonetic) protective gear and --

17 MARIE MILLER: And whatever scene required
18 so that that's something that's going on concurrent with
19 this call.

20 RANDY SULLIVAN: Marie, I didn't quite
21 understand the thing about the worker with the 200 mR.
22 Was that --

23 MARIE MILLER: Oh, yes, they --

24 RANDY SULLIVAN: Was that an NRC guy? You
25 don't mean a TEPCO guy?

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1 MARIE MILLER: No. Well, we're part of
2 USAID.

3 RANDY SULLIVAN: Yes.

4 MARIE MILLER: They've established a level
5 400.

6 RANDY SULLIVAN: Oh, okay. So we are talking
7 about Americans?

8 MARIE MILLER: Yes, about any Americans that
9 are USAID mission-related workers, of which the NRC folks
10 are.

11 RANDY SULLIVAN: I didn't realize anybody
12 was close enough to the site to get 200 mR.

13 MARIE MILLER: Well, they had people doing
14 some field monitoring.

15 RANDY SULLIVAN: Okay.

16 JACK FOSTER: And our naval reactors are
17 definitely in that division.

18 RANDY SULLIVAN: Okay. Well, you know,
19 that's fine. That's just my lack of knowledge.

20 MARIE MILLER: Well, we're just finding this
21 out too. Yes, so --

22 RANDY SULLIVAN: Okay.

23 MARIE MILLER: -- it kind of makes me --
24 my point there is, there are people looking at it. There's
25 people looking at what's going on here, and we'll stay

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1 focused on that. And then some of these data sets that
2 you'll see so that if you get any questions with regard
3 to what's happening to NRC workers from a protective
4 measures standpoint --

5 RANDY SULLIVAN: Yes.

6 MARIE MILLER: -- things are being monitored
7 and controlled.

8 RANDY SULLIVAN: You know, I know we do that
9 during exercises, but you know, I just assumed during
10 this evolution nobody, you know, no NRC folks were close
11 enough to this site for me to worry about. But thanks
12 for bringing it up.

13 MARIE MILLER: Right. And then the other
14 part with Bill Book now being 20 miles, he's you know,
15 obviously going in, you know, you have the 50-mile
16 evacuation, so he'll be --

17 RANDY SULLIVAN: He'll be fine. He's old.
18 Don't worry about it, right?

19 MARIE MILLER: Yes, well he's comfortable
20 as well, but --

21 RANDY SULLIVAN: Yes.

22 MARIE MILLER: -- you just have to get through
23 some protocols to make sure.

24 RANDY SULLIVAN: Hey, let me -- I'd like
25 to relate a different topic to you.

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1 MARIE MILLER: Okay. We're done here. We
2 didn't have anything else, so go ahead.

3 RANDY SULLIVAN: I'm not sure I understand
4 what DOE has in-country, but do they have something like
5 a FERMAC there?

6 JACK FOSTER: Yes, I think that's the deal
7 and --

8 RANDY SULLIVAN: I mean they air lifted in
9 the whole enchilada is what I understand, right?

10 JACK FOSTER: The FERMAC actually in-country,
11 or --

12 MARIE MILLER: I wouldn't say it's like a
13 FERMAC. A FERMAC is then where you would have all the
14 federal partners --

15 RANDY SULLIVAN: I know what a FERMAC is.

16 MARIE MILLER: Sure, okay. I don't see that,
17 because we would then have an NRC person at that location.

18 RANDY SULLIVAN: Okay, so --

19 MARIE MILLER: Yes, so they have more of
20 what would be the part of that which is more of the MAC,
21 you know, with the monitoring assessment center.

22 RANDY SULLIVAN: Okay.

23 MARIE MILLER: And that's an old term, but
24 basically they're AMS. They're just assessment folks
25 and they're bringing in a few more DOE people here to

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1 this location, so --

2 RANDY SULLIVAN: Okay, so let me give me
3 where I'm going with that.

4 MARIE MILLER: Sure.

5 RANDY SULLIVAN: We are brilliant people,
6 but there's no way we can analyze all the data that we're
7 being sent. FERMAC is a much better operation to actually
8 make use of the large amounts of data that we're beginning
9 to receive.

10 Now, we are trending the MEXT (phonetic)
11 data, and the mobile monitoring point data, and we're
12 happy to continue doing that. But I've been noticing
13 the various spectral data that's showing up and, you
14 know, we look at that with some interest because we are
15 health physicists and like that sort of stuff, but there's
16 nobody really trying to make heads or tails out of the
17 big picture. And maybe we should be, but we just don't
18 have those kinds of people here.

19 MARIE MILLER: That would seem like
20 something that would be brought up, you know, with our
21 federal partners, because that's, you know, as far as
22 decisions, whether or not that resource should be
23 developed here.

24 RANDY SULLIVAN: Yes, or maybe the Japanese
25 are doing it and we're just supposed to help them. I

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1 don't know where to go with that, but I mean I appreciate
2 you sending us data, and please keep sending us data.

3 I mean we are making use of it, but sooner or later,
4 you know, that's the kind of thing FERMAC does, and that's
5 a bit beyond our capabilities.

6 JACK FOSTER: You know what, that's a good
7 point Randy. We meet with DOE several times a day and
8 we'll --

9 RANDY SULLIVAN: Yes, I mean we've got
10 several spectral analysis feeds from various locations
11 and I'm not sure we're the guys to put together the big
12 picture. I mean, you know, maybe they need somebody
13 smarter than me in here, but FERMAC is better at that
14 sort of thing. You know, they've got actual wizards
15 that can look at this stuff.

16 MARIE MILLER: I think the difficulty is

17 --

18 RANDY SULLIVAN: Yes.

19 MARIE MILLER: -- you know, that this is

20 --

21 RANDY SULLIVAN: I'm with you.

22 MARIE MILLER: -- an opportunity to vent

23 and --

24 RANDY SULLIVAN: It ain't ours.

25 MARIE MILLER: -- you know, what we would

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1 normally do.

2 RANDY SULLIVAN: Yes, right. It's not.

3 MARIE MILLER: (Inaudible).

4 RANDY SULLIVAN: Yes, it's not what we would
5 normally do. I mean we'd have, you know, if this were
6 the U.S., we'd have FERMAC and they would be doing this.
7 You know, and we'd be interfacing with them to see,
8 hey, can you put the big picture together?

9 MARIE MILLER: And do you know, is DOE
10 coordinating with the Japanese? Is it like with MECS,
11 they're working together, because that's normally then
12 how that works.

13 AL HOICHEVAR: (b)(5)

14 (b)(5)

15
16 MARIE MILLER: Okay.

17 AL HOICHEVAR: So I do think that their aspect
18 of it is parts of their organization is monitoring public
19 available and I would imagine that's how we're getting
20 a lot of stuff from DOE, like the MECS data and stuff
21 like that.

22 MARIE MILLER: Yes.

23 RANDY SULLIVAN: Well gosh, maybe -- I mean
24 I've got a bunch of paper laying around here in various
25 files, but I do have a lot of this -- well, of course,

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(b)(5)

1
2 AL HOICHEVAR: Yes.

3 RANDY SULLIVAN: I don't know how I could
4 get that. Maybe I can't get that to them, or maybe they
5 have to -- well --

6 AL HOICHEVAR: Well, I think they have a step
7 for that somewhere in this building if you want it.
8 I know they do.

9 RANDY SULLIVAN: Well, I mean it's coming
10 from Japan --

11 MARIE MILLER: Right, okay. That's true.

12 RANDY SULLIVAN: -- to us. Does it need
13 to go back to them?

14 JACK FOSTER: Yes, that's crazy isn't it?

15 RANDY SULLIVAN: You know?

16 JACK FOSTER: No, I got you. I understand.
17 The point of origin is it comes from the Japanese or
18 --

19 RANDY SULLIVAN: Two Air Force bases.

20 JACK FOSTER: Okay. I don't know.

21 RANDY SULLIVAN: I can help with that when
22 we're in an appropriate link.

23 JACK FOSTER: Okay.

24 RANDY SULLIVAN: But I mean, you know, and
25 then we're getting other spectral data from, well heck,

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1 from DOE and from TEPCO.

2 (Crosstalk)

3 RANDY SULLIVAN: Anyway, it was just a
4 thought. Hey, I've got one item for you. Well, I mean
5 maybe one item is, should we be cinching up with the
6 DOE instrument folks, or monitoring folks a little bit
7 closer? I mean I've got their phone numbers. Maybe I
8 should call them and ask them.

9 MARIE MILLER: And that indicated that --

10 JACK FOSTER: Yes, you know, every
11 conversation we have with the DOE guys, we're pressing
12 that, so when we get closer into monitoring, I know that
13 the naval reactors are setting up teams to do this, you
14 know, relatively close to Daiichi, to start taking
15 real-time data. And once they (inaudible) every couple
16 hours, and according to Troy Mueller who is the point
17 person for naval reactors here at the Embassy, as soon
18 as that occurs, that PMT-12 will know about it; okay?

19 RANDY SULLIVAN: Okay.

20 JACK FOSTER: Okay. And then secondly, I
21 just checked my email and on PMT-12, there's a couple
22 of PDFs I think that you might be interested in, from
23 Troy Mueller.

24 RANDY SULLIVAN: Okay, good.

25 JACK FOSTER: And I would recommend, you

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1 know, getting back and saying something like thanks or
2 whatever because he is definitely the point person for
3 the area monitoring that's going to happen --

4 RANDY SULLIVAN: Okay.

5 JACK FOSTER: -- in the northern sector of
6 Japan.

7 RANDY SULLIVAN: Okay. Hey, so I've got
8 one item for you to ask TEPCO, if you can.

9 (Crosstalk)

10 MALE PARTICIPANT: -- doctor, okay.

11 MARIE MILLER: Yes. Okay, go ahead.

12 RANDY SULLIVAN: We've been trending the
13 site monitoring point data and, I don't know, maybe,
14 well surely you're aware of this. You know,, they've
15 got six or eight monitoring points around the site?

16 JACK FOSTER: They've got, yes, eight MPs,
17 right.

18 RANDY SULLIVAN: Yes, and I guess that must
19 be a mobile crew that goes from place to place?

20 JACK FOSTER: No. Those, I'm pretty,
21 they're stationary monitoring points.

22 RANDY SULLIVAN: Okay, well we're only
23 getting the monitor at the main gate. Is there something
24 wrong with the other monitors, or --

25 MARIE MILLER: But we didn't --

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1 JACK FOSTER: You know what? I haven't been
2 monitoring the monitoring points but --

3 RANDY SULLIVAN: Yes.

4 JACK FOSTER: -- we'll check on that, okay?

5 RANDY SULLIVAN: Yes. For several days now
6 -- Cynthia (phonetic), am I correct when I say for several
7 days now we've only been getting the monitoring point
8 data from the main gate, from the front gate at Fukushima?

9 CYNTHIA: Since the 22nd of March.

10 RANDY SULLIVAN: Since the 22nd?

11 CYNTHIA: Yes, sir.

12 JACK FOSTER: So it's been a couple days.
13 Yes, well we'll check in on it. Like I say, you're
14 talking about this table that had, you know, MP1 through
15 8?

16 RANDY SULLIVAN: Yes, that's right.

17 JACK FOSTER: And a map on the back side
18 of the tables?

19 RANDY SULLIVAN: Yes.

20 JACK FOSTER: Yes, I haven't been looking
21 at it but we'll check in on it. That's a good question.

22 RANDY SULLIVAN: Well, Jack, we were told,
23 and I hope I'm correct about this, that the Japanese
24 characters, in between the various tables of readings,
25 say that somebody is now moving from one place to another.

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1 JACK FOSTER: Yes, and I had that (inaudible),
2 there have been other, even on MECS, I'm not sure if
3 it's MECS or another group of data, but it does look
4 like that within the compounds, so-to-speak, that there
5 is a mobile unit and I'm not sure exactly how they're
6 doing it.

7 I have some like pictorials, but they're
8 not really, you know --

9 RANDY SULLIVAN: Yes.

10 JACK FOSTER: -- of the layout.

11 RANDY SULLIVAN: Yes, okay.

12 JACK FOSTER: But the site was a millisievert
13 or microsievert guide, actually millisievert information
14 around all the buildings.

15 RANDY SULLIVAN: Okay.

16 JACK FOSTER: And I'm not sure, I think you
17 guys were copied on that so that would --

18 MARIE MILLER: Those are the things coming
19 in from Tony?

20 JACK FOSTER: Yes, the things that came in
21 from Tony Nakanishi.

22 RANDY SULLIVAN: Okay.

23 JACK FOSTER: And so, that may be what we're
24 talking about. You know, I wouldn't think that they
25 would stop monitoring from those monitoring posts, but

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1 there may be additional information.

2 (Crosstalk)

3 RANDY SULLIVAN: Well, for the past -- okay

4 --

5 MARIE MILLER: We'll take that as an action.

6 RANDY SULLIVAN: Thank you.

7 JACK FOSTER: And the second thing is that
8 the actual mobile monitoring, I think you guys are getting
9 it. If you're not, let me know and we'll make sure that
10 Tony sends it to you. I think it updates every day or
11 so.

12 RANDY SULLIVAN: Okay.

13 JACK FOSTER: And I think that's pretty
14 valuable information because some of the map monitors
15 go up into the, you know, like ratings at 1,000
16 microsieverts --

17 RANDY SULLIVAN: Okay.

18 JACK FOSTER: -- or millisieverts, excuse
19 me, which is pretty huge. But those are like right next
20 to the building, so.

21 MARIE MILLER: Like (inaudible) you're
22 seeing.

23 JACK FOSTER: Right. But we'll get that
24 to you. The main thing is I want to make sure you get
25 pretty good data, but I don't want to override you like

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1 --

2 RANDY SULLIVAN: Ah, Jack, you know, I mean
3 we're kind of not doing a good job of sorting data from
4 my point-of-view, but please send it and maybe we'll
5 get better at this.

6 JACK FOSTER: You know, I think Marie being
7 here, she has a pretty good understanding of what you
8 need.

9 RANDY SULLIVAN: Okay.

10 JACK FOSTER: And I think that she'll be
11 able to forge through some of it and help out in that
12 way.

13 RANDY SULLIVAN: And you sound like you got
14 some sleep finally.

15 JACK FOSTER: I did.

16 RANDY SULLIVAN: Outstanding.

17 JACK FOSTER: I got a little sleep last night,
18 yes.

19 RANDY SULLIVAN: Outstanding.

20 MARIE MILLER: And he has a cup of coffee.

21 RANDY SULLIVAN: Outstanding.

22 JACK FOSTER: (Inaudible) right now.

23 (Crosstalk)

24 RANDY SULLIVAN: Good.

25 JACK FOSTER: So I'm doing real good. I'll

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1 see you in a couple days, Randy.

2 RANDY SULLIVAN: Outstanding, Jack. We're
3 in your hands, Marie.

4 MARIE MILLER: All right, thank you.

5 RANDY SULLIVAN: Thank you.

6 MARIE MILLER: All right. And I guess the
7 next call is not until our time 10:00 tomorrow.

8 RANDY SULLIVAN: Outstanding, you'll be
9 talking to somebody else.

10 MARIE MILLER: Okay.

11 JACK FOSTER: Okay.

12 MARIE MILLER: All right, thank you.

13 RANDY SULLIVAN: Okay, bye-bye. See you
14 tomorrow night.

15 JACK FOSTER: Okay, thank you.

16 MARIE MILLER: Bye.

17

18

19

20

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1 (CONFERENCE CALL INITIATED)

2 0%R#6LI604065094

3 MALE PARTICIPANT: I hope we're calling
4 Marie Miller.

5 FEMALE PARTICIPANT: Where was the action
6 items?

7 MALE PARTICIPANT: Good question. What did
8 I do with the action item? Hang on, give me -- thank
9 you.

10 FEMALE PARTICIPANT: Who is NSB?

11 MALE PARTICIPANT: That's like NRC only with
12 a -- oh, that's a TSO from Japan.

13 SECOND MALE PARTICIPANT: What?

14 MALE PARTICIPANT: Do you know what TSO is?
15 It's a (inaudible) technical support organization is
16 the international term.

17 FEMALE PARTICIPANT: (Inaudible).

18 AUTOMATED MESSAGE: Welcome to AT&T voice
19 mail. We need more information to direct your call to
20 the appropriate voicemailbox. To leave a message, please
21 dial the ten-digit phone number of the person you are
22 trying to call. If you have a mailbox on this system
23 --

24 Sorry, did not get a ten-digit phone number.

25 Please redial the ten-digit mailbox number --

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1 MALE PARTICIPANT: Oh, that's not ten
2 digits.

3 AUTOMATED MESSAGE: Sorry, did not get a
4 ten-digit phone number. Please redial the ten-digit
5 number -- sorry you are having trouble. Please try again
6 later. Goodbye.

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1 (CONFERENCE CALL INITIATED)

2 0%R#B8C604065094

3 FEMALE PARTICIPANT: This is hard work.

4 MARIE MILLER: Hello, Marie Miller.

5 RANDY SULLIVAN: Hi, Marie, Randy Sullivan.

6 MARIE MILLER: Hi, Randy.

7 RANDY SULLIVAN: Are you in the middle of
8 something, or can we talk?

9 MARIE MILLER: I'm going to just go off to
10 another room so I can hear you.

11 RANDY SULLIVAN: Okay.

12 MARIE MILLER: Go ahead.

13 RANDY SULLIVAN: We got a tasker (phonetic)
14 from Dan Dorman --

15 MARIE MILLER: Okay.

16 RANDY SULLIVAN: -- asking us to try to mimic
17 the speedy dose projection runs done by NSC, which I
18 think is probably a Japanese technical support
19 organization, and we need more information on that if
20 we're going to try to do something. Are you aware of
21 these things at all, or --

22 MARIE MILLER: I did see that track curve
23 that was on there, but I thought that was just something
24 that had come in either before my time here, so let me
25 -- I haven't seen any, you know, speedy runs or whatever.

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1 Let me get a hold of Dan, okay?

2 RANDY SULLIVAN: Okay.

3 MARIE MILLER: Yes, hold on.

4 (Crosstalk)

5 RANDY SULLIVAN: I've got a hold of country.

6 I know you're excited about this.

7 MARIE MILLER: I have Randy Sullivan. It

8 has to do with a request for (inaudible) --

9 RANDY SULLIVAN: Oh, okay.

10 DAN DORMAN: Okay.

11 RANDY SULLIVAN: Do you know something?

12 MARIE MILLER: I'm not aware of the --

13 MALE PARTICIPANT: Yes, we know (inaudible)

14 --

15 MARIE MILLER: -- with respect to speedy runs

16 --

17 DAN DORMAN: Yes.

18 MARIE MILLER: -- and so it's Randy.

19 DAN DORMAN: Okay. He's on here?

20 MARIE MILLER: Yes.

21 DAN DORMAN: Hey, Randy.

22 RANDY SULLIVAN: I see. Hey, Dan?

23 DAN DORMAN: Yes.

24 RANDY SULLIVAN: We're attempting to exit

25 your request that we try to mimic the speedy runs and

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1 then compare notes --

2 DAN DORMAN: Right.

3 RANDY SULLIVAN: -- use a reasonable one,
4 but nobody touched it in the intervening two shifts until
5 now, and I'm trying to work it now.

6 DAN DORMAN: Okay.

7 RANDY SULLIVAN: And we're attempting to
8 get a little bit smarter on it. Do you have any kind
9 of contact, or maybe you don't and we just need to figure
10 it out ourselves?

11 DAN DORMAN: The only thing I can suggest
12 is we just got some NARAC runs.

13 RANDY SULLIVAN: Yes.

14 DAN DORMAN: And --

15 MARIE MILLER: That was from Randy today.

16 DAN DORMAN: Oh, that was from Randy, Marie
17 tells me. Okay. And so what was that?

18 (Crosstalk)

19 RANDY SULLIVAN: Well, that's got nothing
20 to do with the speedy runs.

21 DAN DORMAN: Okay. We were hoping that was
22 somehow related. Okay.

23 RANDY SULLIVAN: No.

24 DAN DORMAN: So, the figure that they gave
25 us of 10 to the 14th becquerels per hour, can we in any

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1 way correlate that to -- I noticed that one, the NARAC
2 run, has 70 percent damage at a 10 percent per hour release
3 rate or something like that, or 10 percent per day --

4 RANDY SULLIVAN: That's our latest
5 hypothetical source term that we're having NARAC run.

6 DAN DORMAN: Okay, can we correlate that

7 --

8 RANDY SULLIVAN: That's got nothing to do
9 with --

10 DAN DORMAN: Can we correlate that to a --

11 RANDY SULLIVAN: No.

12 DAN DORMAN: Can we correlate that to a
13 becquerel?

14 RANDY SULLIVAN: Well of course we can, yes,
15 sure, but why wouldn't we --

16 DAN DORMAN: And I mean how does that compare?
17 I mean are we --

18 RANDY SULLIVAN: We're going to give you
19 --

20 DAN DORMAN: -- assuming something in the
21 same order of magnitude as what the Japanese are inputting?

22 RANDY SULLIVAN: Okay. A becquerel is a
23 disintegration per second.

24 DAN DORMAN: Right.

25 RANDY SULLIVAN: 10 to the -14th becquerels,

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1 I have no idea what that even is.

2 DAN DORMAN: That is --

3 RANDY SULLIVAN: But that is like -- oh,
4 10 to the 14th.

5 DAN DORMAN: Yes.

6 RANDY SULLIVAN: You said 10 to the -14th,
7 as did the email.

8 DAN DORMAN: No. That's a typo, 10 to the
9 14th becquerels per hour.

10 RANDY SULLIVAN: Got you. Well, sure, but
11 the NARAC run is going to be way more sophisticated and
12 it's going to look at weather over 12 days if I understand
13 it right.

14 DAN DORMAN: Okay, that's great.

15 RANDY SULLIVAN: So the speedy run is like
16 instantaneous weather, as it is right now.

17 DAN DORMAN: Yes.

18 RANDY SULLIVAN: And it shows your typical
19 Gaussian Plume going off in one direction. If you look
20 at that --

21 DAN DORMAN: So in that sense, speedy is
22 more comparable to RASCAL.

23 RANDY SULLIVAN: Yes, exactly.

24 DAN DORMAN: Yes, okay.

25 RANDY SULLIVAN: And NARAC is much more

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1 sophisticated.

2 DAN DORMAN: I guess if you could give us
3 a sense of how that NARAC source term compares to what
4 the Japanese have discussed as a 10 to the 14th becquerels
5 per hour and, you know, it's nonspecific of where it's
6 coming from, reactor, core, spent fuel, whatever.

7 It's just a bulk release rate from the site
8 if you will. I mean are we at 10 to the 16th, or 10
9 to 12th, or are we in the ballpark of 10 to the 14th?

10 RANDY SULLIVAN: I mean, and you also
11 understand that all becquerels are not created equal,
12 but you're just asking --

13 DAN DORMAN: Yes.

14 RANDY SULLIVAN: You're just asking us to
15 do that.

16 DAN DORMAN: Right.

17 RANDY SULLIVAN: I can do that.

18 DAN DORMAN: Okay.

19 RANDY SULLIVAN: Yes, we can --

20 DAN DORMAN: All right.

21 RANDY SULLIVAN: -- just add up the curies,
22 divide by becquerels and --

23 DAN DORMAN: And then I'll make a judgment
24 whether we need to do a --

25 RANDY SULLIVAN: To fold a whole new run

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1 or --

2 DAN DORMAN: -- whole new run or if we can
3 just use that NARAC run as a starting point for any dialogue.

4 RANDY SULLIVAN: Well, you know, you don't
5 have the whole NARAC run. They're going to run a worser
6 (phonetic) case and then compile the whole package, and
7 I believe they're going to give that to DOE, or they
8 are DOE, and then I don't know what DOE's going to do
9 with that.

10 DAN DORMAN: Okay.

11 RANDY SULLIVAN: Okay. (b)(5)

12 (b)(5)

13
14
15 DAN DORMAN: Okay.

16 RANDY SULLIVAN: And say, you know, (b)(5)

17 (b)(5)

18 DAN DORMAN: Are they going to do that in

19 --

20 RANDY SULLIVAN: They're supposed to be --

21 DAN DORMAN: Are they going to do that --

22 RANDY SULLIVAN: -- working on it now and
23 we're supposed to have it this weekend. It seems to
24 me this weekend is moving on.

25 DAN DORMAN: Okay. When you talk about doing

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1 (b)(5)

2 what kind of release
3 rate from those are they talking about? Are they talking
4 about vaporizing them all at once and release it?

5 RANDY SULLIVAN: I hope not.

6 DAN DORMAN: Or are they talking about --
7 yes, I hope not too.

8 RANDY SULLIVAN: No, that was a several day
9 source term also that we --

10 DAN DORMAN: Okay.

11 RANDY SULLIVAN: -- space the spent fuel
12 pools out, but we did burn the spent fuel pools.

13 DAN DORMAN: I guess, you know, one question
14 would be take it where it is now, do a small, you know,
15 whatever your best estimate is of the rate that the stuff's
16 coming out of that plant right now, and run that out
17 for another three weeks and see what that looks like.

18 RANDY SULLIVAN: That would be a great thing
19 to do. I can't --

20 DAN DORMAN: I mean because to me, short
21 of something else popping, that to me is right now, unless
22 something else pops in terms of a steam explosion or
23 a hydrogen explosion, we're just doing this low bleed
24 out here.

25 And the decay heat continues to get less
and less, although it's really kind of leveled off now.

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1 And it's just going to sit there and steam unless they
2 do something different like fill it up, which is where
3 we're going to start trying to steer them toward. And
4 --

5 RANDY SULLIVAN: Hey, boss, what you're
6 saying makes a whole lot of sense and I'm sorry to --
7 I don't run that ship. NARAC is doing this run, I believe,
8 and several of the runs (b)(5)
9 I guess, that's my understanding.

10 DAN DORMAN: Oh, well okay.

11 RANDY SULLIVAN: We've been directed to
12 provide the source terms --

13 DAN DORMAN: I guess they get in the queue
14 in front of me.

15 RANDY SULLIVAN: Yes, well I guess they do,
16 but I mean your request is quite reasonable and that
17 would be a great way to go.

18 DAN DORMAN: Sure.

19 RANDY SULLIVAN: By the way, I'd like to
20 have source term information, which we don't because
21 nobody ever takes --

22 DAN DORMAN: Yes.

23 RANDY SULLIVAN: -- a freaking sample in
24 the plume during this emergency.

25 DAN DORMAN: Right, yes.

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1 RANDY SULLIVAN: You know, I mean wouldn't
2 we just have an air sample from the plume so we would
3 actually know what we're dealing with?

4 DAN DORMAN: Right.

5 RANDY SULLIVAN: I can't get AMS to fly over
6 the plume. I can't get a sample from the plume. I can't
7 get a meter reading from the plume. So --

8 DAN DORMAN: Yes.

9 RANDY SULLIVAN: -- you might sense my
10 helplessness, but we --

11 DAN DORMAN: Yes.

12 RANDY SULLIVAN: -- develop the source term,

13 (b)(5) we all wring
14 our hands and then develop a new source term. (b)(5)

15 (b)(5)
16
17
18

19 DAN DORMAN: Yes. You know what I think?

20 That is, I'm inferring, (b)(5)

21 (b)(5)
22
23
24

25 RANDY SULLIVAN: Okay. But I mean this

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1 (b)(5)
2
3

4 DAN DORMAN: Right.

5 RANDY SULLIVAN: But, you know, hey, I live
6 to serve.

7 DAN DORMAN: Right.

8 RANDY SULLIVAN: I mean there's no point
9 in me carping about that because the train's left the
10 station.

11 DAN DORMAN: Okay. Yes, okay. I get the
12 constraints we're under, so if you can just give me a
13 sense of the order of magnitude --

14 RANDY SULLIVAN: Yes --

15 DAN DORMAN: -- of the (crosstalk) --

16 RANDY SULLIVAN: -- I will --

17 DAN DORMAN: -- in becquerels so that I can
18 either -- I mean basically it sounds like my option's
19 going back to the Japanese, or we'd love to do comparisons
20 for you but the systems are tied up and I can't get priority
21 on it.

22 RANDY SULLIVAN: No. I can run --

23 DAN DORMAN: Or I can go back to them and
24 say, we've got a NARAC run that we think is in the same
25 order of magnitude of what you guys are assuming for

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1 your speedy run so let's compare notes.

2 RANDY SULLIVAN: Let me get somebody to do
3 that.

4 DAN DORMAN: Okay.

5 RANDY SULLIVAN: And I'll email it to your
6 account, or where do you want me to go with that?

7 DAN DORMAN: Yes, you can email it to me.

8 RANDY SULLIVAN: Okay, I mean dandorman@
9 whatever.

10 DAN DORMAN: Dan.dorman, yes.

11 RANDY SULLIVAN: Okay, thanks man.

12 DAN DORMAN: And do me a favor and copy Marie
13 and Todd.

14 RANDY SULLIVAN: Yes, okay.

15 DAN DORMAN: Thanks.

16 RANDY SULLIVAN: Bye.

17 DAN DORMAN: All right, bye.

18

19

20

21

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26

1 (CONFERENCE CALL INITIATED)

2 0%R1J-4L04065094

3 MALE PARTICIPANT: Oh, are you coming?

4 SECOND MALE PARTICIPANT: 5419.

5 THIRD MALE PARTICIPANT: Ringing, ringing,
6 ringing. Let me see what happened there.

7 (Crosstalk)

8 THIRD MALE PARTICIPANT: Well, why don't
9 you -- I don't think that's the right number. I tried
10 dialing that the other night and it didn't ring through.

11 RECORDED MESSAGE: Hello, this is Rebecca
12 Harston (phonetic). I'm away from my desk right now,
13 but if you'd please leave --

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1 (CONFERENCE CALL INITIATED)

2 0%R1WZ4_04065094

3 DAN BARSE: NRC, this is Dan.

4 MALE PARTICIPANT: Yes, I have Kevin Ryan
5 on the phone.

6 DAN BARSE: Okay.

7 MALE PARTICIPANT: Thank you.

8 DAN BARSE: Hello?

9 KEVIN RYAN: Hello?

10 DAN BARSE: Yes, this is Dan Barse at the
11 NRC.

12 KEVIN RYAN: Dan, my name's Kevin Ryan.
13 I have a message to call a Mr., I think it's Boby Eid.
14 That's what he said on the phone.

15 DAN BARSE: Yes, hold on one second. He's
16 right here. For you, Kevin Ryan.

17 BOBY ABU-EID: Who's that?

18 DAN BARSE: Kevin Ryan.

19 BOBY ABU-EID: Hello?

20 KEVIN RYAN: Hi.

21 BOBY ABU-EID: This is Boby Abu-Eid, PMTR.

22 KEVIN RYAN: Okay. Yes, okay this is Kevin
23 Ryan. I had a hard time reaching you because you gave
24 me the number to call was 5419 and --

25 BOBY ABU-EID: Yes, sorry about that.

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1 Sorry.

2 KEVIN RYAN: Okay. So, what can I do for
3 you?

4 BOBY ABU-EID: Okay, you are from INPO,
5 right?

6 KEVIN RYAN: That's correct.

7 BOBY ABU-EID: Okay. I'm calling you
8 regarding the analyses that were received from TEPCO
9 regarding the (inaudible), you know, on the concentrations
10 for the radionuclides there in puddle (phonetic).

11 KEVIN RYAN: Right.

12 BOBY ABU-EID: And we're trying to assist
13 the burns and we know that it's coming from the beta
14 emitter because it deposit on the skin. But the --

15 KEVIN RYAN: Okay, please try one thing --

16 BOBY ABU-EID: Hello?

17 KEVIN RYAN: I just sent that, wait just
18 a minute. I just got off duty and I'm at home, so there's
19 a new person there that's going to help you.

20 BOBY ABU-EID: Oh.

21 KEVIN RYAN: Can I give you that number to
22 call?

23 BOBY ABU-EID: Oh, okay. What's the number?

24 Do you have any information about (inaudible) with the
25 beta radionuclides, like Strontium 90 and so on, the

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1 concentration deposit, because we have the gamma and
2 do we have any information? That's it, my questions,
3 maybe or do you know?

4 KEVIN RYAN: I don't know that. So let me
5 give you a number to call.

6 BOBY ABU-EID: Oh.

7 KEVIN RYAN: That would be 770-644-8021.

8 BOBY ABU-EID: 8 --

9 KEVIN RYAN: 0-2-1.

10 BOBY ABU-EID: 0-2-1. And what's the name?

11 KEVIN RYAN: Well, that's our emergency
12 response center and they're manned right now, so they
13 have several people that are in there than can help you.

14 BOBY ABU-EID: Okay, thank you. Bye.

15 KEVIN RYAN: Thank you.
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1 (CONFERENCE CALL INITIATED)

2 0%R3PJL604065094

3 TERRYREIS: TerryReis, ProtectiveMeasures
4 Team.

5 OPERATOR: Transferring Bruce Watson for
6 Kathryn Brock.

7 TERRY REIS: Okay. Hey, Bruce?

8 BRUCE WATSON: Yes?

9 TERRYREIS: It's Terry. Kathryn's not here,
10 but Dan Barse is.

11 BRUCE WATSON: Oh, okay. I thought -- how's
12 it going?

13 TERRY REIS: We're doing good. It's fairly
14 quiet, but what's not clear to me is -- this is something
15 maybe you could help me with.

16 BRUCE WATSON: Yes.

17 TERRY REIS: We got turned over from Randy
18 that NARAC is running the seven source, the super-duper
19 thing, the seven source term, and going to overlay it
20 with our plausible scenario that we got back yesterday.

21 And I'm drawing -- I'm saying, well number one, why
22 the hell are we doing that and what's that going to tell
23 us?

24 BRUCE WATSON: They're getting direction
25 not from us on that, so.

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1 TERRY REIS: They're --

2 BRUCE WATSON: Did we ever see the MELCOR
3 runs?

4 TERRY REIS: No.

5 BRUCE WATSON: Okay. That needs to be --

6 TERRY REIS: Well not since we saw it the

7 other day (b)(5)

8 (b)(5)

9
10 BRUCE WATSON: No, all we saw was the summary.

11 TERRY REIS: Right.

12 BRUCE WATSON: We never saw the actual run.

13 TERRY REIS: Correct.

14 BRUCE WATSON: It still on the plume. We
15 need to ask them to get that to us. They were told to
16 have it to us and if not, it needs to be fed back up
17 to the ET so we have our records are complete.

18 Yes, then they were going to run that towards
19 Tokyo, which I didn't think --

20 TERRY REIS: So who do we call for that.
21 Do we call the NIT?

22 BRUCE WATSON: Yes, I would call the NIT
23 and talk to whoever Dave Bowman's replacement is or --

24 TERRY REIS: Okay.

25 BRUCE WATSON: -- if he's not there, because

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1 Steve Aoki, it was the head DOE guy we were talking to

2 --

3 TERRY REIS: Right.

4 BRUCE WATSON: Charlie Miller and I were
5 talking to.

6 TERRY REIS: Yes.

7 BRUCE WATSON: He told us yes, we could have
8 that and he would get it. But, you know, it's supposed
9 to be kept very close to the breast, so-to-speak, but
10 we should have something at least that we can keep to
11 say we understand the whole scenario, so.

12 TERRY REIS: Well, that must be what Randy
13 was referring to, is the fact that we haven't got those
14 runs yet --

15 BRUCE WATSON: Yes.

16 TERRY REIS: -- because I can't imagine any
17 superimposed -- it's apples and bananas, I mean you can't
18 compare the two things.

19 BRUCE WATSON: Well, if they want to overlay
20 them to show the differences, fine. I don't know what
21 their intent is. Fortunately, we had three wind shifts
22 and all the dose didn't go as far as we thought, you
23 know, according to our model on the plausible one. The
24 one that I got yesterday afternoon.

25 TERRY REIS: Yes.

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1 BRUCE WATSON: Okay. But, you know, I don't
2 disagree with it because if you sum it up, it looks like
3 it might get out to 30 some miles if it all went in one
4 direction. So, anyway, I just wanted to see before I
5 left and I don't know if this got turned over to anybody,
6 but they were asking about the water in the turbine
7 building.

8 TERRY REIS: Yes.

9 BRUCE WATSON: And how it got there, and
10 I said well the only way it can get there is through
11 the steam tunnels, you know, where the main steam lines
12 go through. Go to the main steam line, and guess what's
13 reported in the Washington Post this morning?

14 TERRY REIS: Is that where it came from?

15 BRUCE WATSON: That's how it says it got
16 there.

17 TERRY REIS: Well, I think, yes, I think
18 Reactor Safety Team had that this morning.

19 BRUCE WATSON: Okay. Yes, I just laughing
20 at --

21 TERRY REIS: The question now is, is their
22 question -- somebody, and Boby is here, and the question
23 now is people don't believe you could get an 18 rem beta
24 burn from --

25 BRUCE WATSON: Oh, no, you can't.

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1 TERRY REIS: What?

2 BRUCE WATSON: You can't.

3 TERRY REIS: You can't?

4 BRUCE WATSON: You can.

5 TERRY REIS: You can?

6 BRUCE WATSON: Yes.

7 TERRY REIS: Yes.

8 BRUCE WATSON: If you go an look at --

9 TERRY REIS: Well why don't I let you talk
10 to Bobby about that.

11 BRUCE WATSON: Okay. Well, yes, because
12 they're not looking at the right things.

13 TERRY REIS: Okay.

14 BRUCE WATSON: And I pointed this out to
15 the RST and people yesterday.

16 TERRY REIS: Bruce Watson.

17 BOBY ABU-EID: Oh, Bruce.

18 TERRY REIS: Okay. All right. I don't know
19 if I can -- I'll try putting you on speaker.

20 BRUCE WATSON: Okay.

21 TERRY REIS: Let's see if I can do it. Are
22 you there?

23 BRUCE WATSON: Yes.

24 BOBY ABU-EID: Hi Bruce, this is Bobby. How
25 are you?

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1 BRUCE WATSON: Yes, depending on, you know,
2 if they wore very thin shoes or shoe coverings or whatever
3 --

4 BOBY ABU-EID: Yes, I --

5 BRUCE WATSON: -- in those turbine buildings,
6 because what their analysis doesn't show is the Strontium
7 90 component, and Strontium 90 is a very energetic beta,
8 and if you -- I don't know if you were around when TMI
9 happened, but they had the same problem.

10 And you just can't measure Strontium 90,
11 you know, with a gamma spec. You have to actually do
12 a field measurement. But the problem, you know, either
13 you do it with a beta spectrometer.

14 And so, someone -- if you take a look at,
15 I don't know, whatever the results are in the source
16 term, you know, just to give you an idea of what the
17 say cesium to strontium ratio is, you'll at least have
18 an idea of how big the strontium component is.

19 BOBY ABU-EID: What is the ratio for cesium
20 because we have an ratio of the cesium, 34, 36 and 37.
21 So what is the ratio for them, for the cesium to strontium?

22 BRUCE WATSON: I don't know. It's different
23 than the accident.

24 BOBY ABU-EID: Okay.

25 BRUCE WATSON: And so look at the source

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1 term for say our plausible scenario, and look at the
2 ratio between the cesium and strontium, because they're
3 not accounting for the strontium in their measurement
4 because the specs, the water sample results I saw yesterday
5 were just the gamma spec.

6 BOBY ABU-EID: Exactly and that's what we
7 have and we tried to figure out how much we have.

8 BRUCE WATSON: Yes, I would just try and
9 ratio it that way just to get an idea of what it might
10 be. And then the other thing is TMI, because of the
11 strong component of the strontium, they had to change
12 their instrumentation because the betas were going through
13 the sidewalls of the ion chambers, and so they weren't
14 getting the right ratio when they did the measurements.

15 You know, open window, close window.

16 TERRY REIS: Understood.

17 BRUCE WATSON: Okay? And I don't know if
18 those ever got beefed up in the newer meters, you know,
19 the sidewalls.

20 TERRY REIS: Yes.

21 BRUCE WATSON: Okay.

22 TERRY REIS: To filter out the betas, right.

23 BRUCE WATSON: Yes, okay. So I don't know
24 if those ever got beefed up, but they had to compensate
25 for that because it was underestimating the beta component

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1 because it was overestimating the gamma component.

2 TERRY REIS: Right.

3 BRUCE WATSON: Okay. So, you know, given
4 those things --

5 TERRY REIS: Bruce, and the other thing is
6 too is that even with the gamma meters, they're going
7 to be emitting beta particles. There's really no such
8 thing as a pure gamma emitter. You're going to have
9 a beta gamma emitter.

10 BRUCE WATSON: Right, but what I'm saying
11 is --

12 TERRY REIS: The function, right.

13 BRUCE WATSON: -- the energy of the strontium
14 is so much higher than what they're used to.

15 TERRY REIS: Right.

16 BRUCE WATSON: Okay? That they're not
17 thinking that way.

18 TERRY REIS: Understood.

19 BRUCE WATSON: Okay, and that's the problem
20 we ran at TMI and used to have wear those super heavy-duty
21 boots to go in to make the entries.

22 TERRY REIS: Right.

23 BRUCE WATSON: And they need to be doing
24 the same thing. Now, the other question is what's the
25 temperature of the water or whatever they walked through.

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1 Maybe some of it might be --

2 TERRY REIS: (Inaudible) burns.

3 BRUCE WATSON: -- thermal (inaudible) burns
4 too, but it's been a few days since --

5 TERRY REIS: It could also be a (inaudible)
6 --

7 BRUCE WATSON: -- the plant's been shut down
8 right?

9 BOBY ABU-EID: So you are talking about this
10 R-89 or 90?

11 BRUCE WATSON: Well, I know the ones I saw
12 were I think the 18-R where the guys at one end of the
13 turbine building had walked through the hot water.

14 TERRY REIS: Well I don't know we got any
15 report that the water was actually --

16 BRUCE WATSON: Oh, yes.

17 TERRY REIS: -- elevated temperature.

18 BRUCE WATSON: Well, okay. I'm just saying
19 you could just confirm that though. But they --

20 TERRY REIS: Chemistry too is important
21 here.

22 BRUCE WATSON: Oh, yes. But they said that
23 the guys were essentially barefoot. I don't -- why would
24 you go into a controlled area, you know, a known
25 contaminated area barefoot?

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1 (Crosstalk)

2 BRUCE WATSON: Unless the translation's bad.

3 BOBY ABU-EID: These I'm talking about is
4 R-89 because it's the rate for radioactivity of 89 is
5 very high, 27,800 --

6 BRUCE WATSON: Yes, look for the strontiums
7 and the beta, you know, yttrium -- Strontium 90, Yttrium-90,
8 whatever it is, and then the Strontium 89s are all pretty
9 high betas. They're much higher than what they expect.

10 BOBY ABU-EID: Exactly and that's what --

11 BRUCE WATSON: And the fraction of abundance
12 is huge compared to what they normally see.

13 TERRY REIS: Right, and the thing is too,
14 these guys could have been actually wet. They could
15 have had wet boots, and then even some of your lower
16 energy betas could --

17 BRUCE WATSON: Yes, okay.

18 TERRY REIS: -- have given (inaudible).

19 BRUCE WATSON: But like I said, all I saw
20 was a water sample which showed --

21 TERRY REIS: Yes, we have that.

22 BOBY ABU-EID: We got it, yes.

23 BRUCE WATSON: Okay, the high iodine which
24 meant it's from the reactor, and the lanthanum, and it
25 also had the Cesium-134s to 137s is pretty much equal,

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1 which means it's a fresh sample also.

2 BOBY ABU-EID: It could be a deposition of
3 iodine too because there's very high concentrations of
4 iodine. It won't --

5 BRUCE WATSON: Well, that's another big beta
6 emitter. I'm just saying what's missing in that is the
7 strontium and --

8 MALE PARTICIPANT: (Inaudible) try and ratio
9 that out and see what idea you get from it.

10 BOBY ABU-EID: Yes.

11 TERRY REIS: Bobby, bring up your -- you
12 brought up your postulation that there may be U-233 as
13 well.

14 BOBY ABU-EID: Yes, somebody said that could
15 be U-233 and everything. He --

16 BRUCE WATSON: And I think you stick down
17 the fission product route is what I would try and do,
18 well because that will give you a really huge source
19 term.

20 BOBY ABU-EID: Okay.

21 BRUCE WATSON: Okay?

22 (Crosstalk)

23 TERRY REIS: Hey, if you, you know, I'd hate
24 to see you guys have to do it all over. If you look
25 hard enough in the file, somebody went through the trouble

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1 yesterday and converted all this microcuries.

2 BRUCE WATSON: Okay. All right. I just
3 thought I'd check-in.

4 BOBY ABU-EID: And three point --

5 TERRY REIS: Okay.

6 BRUCE WATSON: Any other questions --

7 TERRY REIS: Not a problem, okay.

8 BOBY ABU-EID: Okay.

9 BRUCE WATSON: -- Mike might help out, I
10 don't know.

11 TERRY REIS: No, we're on the same wavelength,
12 Bruce. I mean that was my first gut reaction was look
13 at the strontiums and --

14 BRUCE WATSON: Yes. Well, that was a really
15 specific difficult issue for them to handle at TMI.

16 TERRY REIS: Yes, understood.

17 BRUCE WATSON: Because it also changed the
18 way they measured the dissymmetry with the, you know,
19 with the filters on the TLDs.

20 BOBY ABU-EID: Yes, so can we --

21 TERRY REIS: Yes.

22 BRUCE WATSON: And so that was another
23 adjustment they had to make, because the old standard
24 TLDs weren't working it because, you know, the betas
25 were penetrating the beta shields on the TLDs too and

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1 making it look like it was whole body dose. So, there's
2 all kinds of issues with this that need to be, I guess
3 evaluated by the Japanese to make sure they're getting
4 accurate measurements now.

5 BOBY ABU-EID: So it seems we should request
6 additional information on the beta analysis that they
7 have.

8 BRUCE WATSON:

(b)(5)

9 (b)(5)

) That's --

10 TERRY REIS:

(b)(5)

11 (b)(5)

12 BRUCE WATSON: You just want to come up with
13 a rationale, the logic of why this might have happened
14 to our management and explain to them so we can pass
15 it back that, here's some logic --

16 BOBY ABU-EID: (Inaudible).

17 BRUCE WATSON: -- and here's the rationale
18 for our recommendation. Start looking for high-energy
19 betas and how they affect your measuring system, your
20 instruments and your TLDs, because you're going to get
21 wrong TLD readings too.

22 TERRY REIS: Yes.

23 BRUCE WATSON: Okay?

24 TERRY REIS: We got it.

25 BOBY ABU-EID: Okay.

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1 TONY HUFFERT: Understood. Charlie Hansen
2 and I were talking about that. They also might be having
3 borate. You might have a whole --

4 BOBY ABU-EID: Yes, borates, they have
5 borates for an inhibitor, you know that.

6 BRUCE WATSON: So, yes, the old plant in
7 the old beat up yards, they used to use, I think it was
8 lead chromate or something, and we blew some out the
9 side of Oyster Creek one time and it literally ate the
10 paint off the cars. I wouldn't want to walk through
11 it.

12 BOBY ABU-EID: So what you are saying,
13 chemical reaction as well, you know, chemicals.

14 BRUCE WATSON: Yes, it could be a combination
15 of a number of things, so.

16 TONY HUFFERT: Yes, absolutely.

17 BRUCE WATSON: Okay, but I know -- that's
18 what I'm saying they used to use at Oyster Creek and
19 some of these older beat up yards. That's what they
20 used as a corrosion inhibitor, so.

21 BOBY ABU-EID: But this means we are assuming
22 there is puncture in the boots in order to reach the
23 chemical --

24 BRUCE WATSON: Well, I think if I read the
25 report correctly yesterday, they had one guy in heavy

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1 boots and the rest were almost, you know, whatever they
2 wore weren't very conducive to walking through it and
3 staying dry. It sound like they were barefoot.

4 TONY HUFFERT: Bruce, we just went on to
5 the web site from the Japanese news agency and they reported
6 that these workers were in water and that their ankles
7 and below were exposed to fluid.

8 BRUCE WATSON: Okay.

9 TONY HUFFERT: And so we know that they were
10 actually walking around in some type of witches' brew
11 of radioactivity and chemical --

12 BRUCE WATSON: Right, okay.

13 TONY HUFFERT: -- think tank that created
14 this.

15 BRUCE WATSON: Okay. I'm just thinking out
16 loud here and I just thought I'd pass that on to you
17 that --

18 BOBY ABU-EID: We could add to our report
19 we cannot exclude the chemical, you know --

20 BRUCE WATSON: Yes, and lead, if you could
21 look up lead chromate and find out how corrosive it is,
22 and say, you know, maybe look at the MSDS off of NIOSH
23 --

24 BOBY ABU-EID: Yes, thanks.

25 BRUCE WATSON: -- or OSHA.

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1 (CONFERENCE CALL INITIATED)

2 0%R43TJ604065094

3 DAN BARSE: NRC, this is Dan.

4 OPERATOR: Hi, yes, this is headquarters
5 out of South Troy (phonetic). I have Lee Nichols from
6 Naval Reactors.

7 DAN BARSE: Okay.

8 OPERATOR: Transferring now.

9 DAN BARSE: Hello?

10 LEE NICHOLS: Hi, this is Lee Nichols, Naval
11 Reactors, calling to let you know I sent an email (b)(5)

12 (b)(5)

13
14 DAN BARSE: (b)(5)

15 (b)(5)

16 LEE NICHOLS: (b)(6)

17 DAN BARSE: Okay, (b)(6)

18 LEE NICHOLS: Yes.

19 DAN BARSE: Okay.

20 LEE NICHOLS: We've been sending this data
21 and calling and letting folks know.

22 DAN BARSE: Yes. I'm not sure who it goes
23 to when it goes to (b)(6) That's probably the ops officers,
24 so I assume they'll forward it on to one of the sentries
25 (phonetic). Will you give me your phone number in case

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1 I need to get back to you?

2 LEE NICHOLS: 202 --

3 DAN BARSE: 202 --

4 LEE NICHOLS: 781 --

5 DAN BARSE: 781 --

6 LEE NICHOLS: 6387.

7 DAN BARSE: 6387.

8 LEE NICHOLS: (b)(5)

9 DAN BARSE: (b)(5)

10 (b)(5)

11

12 LEE NICHOLS: Yes. It's for the Northern
13 Pacific, but does include, you know, detectable cesium
14 and iodine.

15 DAN BARSE: Yes. Okay. I will go over and
16 check with the ops officers and see if they got it.

17 LEE NICHOLS: Thank you.

18 DAN BARSE: Thank you.

19

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1 (CONFERENCE CALL INITIATED)

2 0%R71F8L04065094

3 TERRY REIS: Terry Reis, PMT?

4 OPERATOR: Terry, I have Bruce Watson on
5 the phone.

6 TERRY REIS: Good.

7 OPERATOR: Okay, connecting you.

8 TERRY REIS: Hey, Bruce.

9 BRUCE WATSON: Hey. I just had a thought,
10 if you guys have time to have one of the dose assessors
11 do it, based on that beta energy change.

12 TERRY REIS: Well, they're working on it.
13 Bobby's right here. Let me --

14 BRUCE WATSON: Okay.

15 TERRY REIS: Hey, Tony? Bruce Watson wants
16 to talk about the beta dose.

17 TERRY REIS: Okay, Bruce, go ahead.

18 (Crosstalk)

19 TERRY REIS: We have Bobby and Tony Huffert.

20 BOBY ABU-EID: Hi, Bruce.

21 BRUCE WATSON: Hey. I just had a thought.
22 What I would probably do if I was there, and might suggest
23 you looked into doing if you have time, is take the suite
24 (phonetic) of nuclides from our plausible source term
25 --

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1 BOBY ABU-EID: Yes.

2 BRUCE WATSON: -- and throw out all the
3 short-lived stuff.

4 BOBY ABU-EID: Okay.

5 BRUCE WATSON: And then look at what would
6 be left behind as a particulate with fairly long, and
7 then do the fractional abundances of those. And then,
8 over time, decay them along with their max energy and
9 their average energy, which would be one-third.

10 And see how the beta energy changes over
11 time, you know, from the date of the accident. Now,
12 what was that, on the 14th for most of them, and then
13 do it just in the short-term for days, and then look
14 at it over a year.

15 In fact, I would just do a spreadsheet and
16 then that way you'd have a graph of what you might expect
17 for the future too. Does that make sense?

18 TONY HUFFERT: Yes, basically you want to
19 find out what the beta contribution will be, from basically
20 the 14th out one year, for what we think the release
21 fractions are from the plausible scenario.

22 BRUCE WATSON: Right, and that will give
23 you an idea of how the beta energy's changed because
24 in the past, when they're operating, I think the average
25 beta is like, it approximates the Cesium-137 beta which

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1 is pretty low.

2 TONY HUFFERT: Right.

3 BRUCE WATSON: And the gamma's pretty much
4 along the same line with cesium which is .662, unless
5 they really have an old, nasty plant that had a lot of
6 Stellite, where they had a lot of Cobalt-60 with, you
7 know, the much higher energy gammas.

8 But if you look at those numbers, those
9 isotopes, there's no Cobalt-60 there.

10 TONY HUFFERT: Hey, what --

11 BRUCE WATSON: So, that component's kind
12 of like been overridden by all the fission products,
13 and that's why I'm saying, the spectrum has changed.

14 TONY HUFFERT: But we have a recent spectrum
15 that does include certain signature gamma radionuclides
16 that are easy to measure.

17 BRUCE WATSON: Yes.

18 TONY HUFFERT: And it's based on an actual

19 --

20 BRUCE WATSON: Actual water sample right?

21 BOBY ABU-EID: Yes.

22 BRUCE WATSON: But it doesn't show you what
23 the beta component is.

24 TONY HUFFERT: Well, we're working on that.

25 BOBY ABU-EID: We are working on this.

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1 BRUCE WATSON: I'm just saying, I would
2 suggest you come up with a spreadsheet that shows all
3 the long lives, the ones that would be beta contributors,
4 and show how the max energy would change and the average
5 energy would change over time based on the fractional
6 abundances you have.

7 BOBY ABU-EID: Yes, and Bruce, just for your
8 information, we have a reference that in order to cause
9 the burn within one to four days, you need to have exposure
10 of 55,000 rads.

11 BRUCE WATSON: Yes, that's pretty high.

12 BOBY ABU-EID: That's very high. Now the
13 question is, we have also in that data that we are having,
14 it says 400 millisieverts per hour. That's the exposure
15 rate for the surface walk up there.

16 TONY HUFFERT: For gamma only.

17 BOBY ABU-EID: For gamma only.

18 BRUCE WATSON: Yes, but you've got to look
19 at the beta component and --

20 BOBY ABU-EID: This means that it's 99
21 percent that it's most likely the dose is coming from
22 beta rather --

23 BRUCE WATSON: Yes.

24 BOBY ABU-EID: -- that from gamma.

25 BRUCE WATSON: That's what I said. That's

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1 what I've been saying.

2 BOBY ABU-EID: So this is proof, you know,
3 based on technical proof --

4 TONY HUFFERT: Right.

5 BOBY ABU-EID: -- that it is coming from
6 beta.

7 BRUCE WATSON: Right.

8 BOBY ABU-EID: Now the question is what kind
9 of beta we're having in surface water.

10 BRUCE WATSON: Right.

11 BOBY ABU-EID: So we are --

12 BRUCE WATSON: Then the question is can we
13 get that kind of data?

14 BOBY ABU-EID: Well, I'm running a
15 (crosstalk) behind the code, where you could actually
16 enter the concentration beta emitters and use cobalt,
17 and deliver the values by a factor of 100. So I get
18 45,000 rads.

19 BRUCE WATSON: Okay. You've got to remember,
20 they were walking through the water too apparently.

21 BOBY ABU-EID: Right, so --

22 BRUCE WATSON: They weren't walking on the
23 water.

24 BOBY ABU-EID: So the dose rate that's coming
25 from beta is very high. It seems to me that's definitely

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1 from all beta emitters, including Cobalt-60 too, because
2 it decays so much beta.

3 BRUCE WATSON: Okay. Well I'm just saying,
4 that's what I concluded yesterday based on TMI experience.

5 BOBY ABU-EID: Back to 14th for conclusion?

6 BRUCE WATSON: Yes, sounds like you guys
7 are on top of it then.

8 BOBY ABU-EID: Yes.

9 BRUCE WATSON: Okay, just wanted to double
10 check.

11 TONY HUFFERT: Great.

12 BRUCE WATSON: All right, guys, talk to you
13 later then.

14 TONY HUFFERT: Okay.

15 BRUCE WATSON: Bye.

16 BOBY ABU-EID: That's the --
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1 (CONFERENCE CALL INITIATED)

2 0%RE7G3_04065094

3 SANDRA WASTLER: NRC Operations Center, PMT,
4 Sandra Wastler.

5 OPERATOR: Hey, Sandy, I've got Kevin
6 Williams, wants to talk to you guys. He's over at USAID
7 right now.

8 SANDRA WASTLER: Okay, hold on.

9 OPERATOR: Okay.

10 SANDRA WASTLER: Kevin?

11 KEVIN WILLIAMS: Yes?

12 SANDRA WASTLER: This is Sandy Wastler.
13 You've got the PMTs.

14 KEVIN WILLIAMS: Hey, Sandy, how are you?

15 SANDRA WASTLER: Just fine. Kevin Williams,
16 USAID.

17 KEVIN WILLIAMS: Yes, I'm down at USAID and
18 I'm just looking to do some sort of update on what we
19 were doing from an NRC perspective.

20 SANDRA WASTLER: I'm sorry, we couldn't hear
21 exactly what you said. Could you repeat it?

22 KEVIN WILLIAMS: Yes. I'm down here at USAID
23 and they did their pre-brief, just like we do with the
24 ET, and they're looking to get some information in terms
25 of what the NRC is doing, you know, what are we doing

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1 that's new or different today? And the other thing they
2 wanted to know is what information do we have regarding
3 the radiation levels. Are they stabilizing, increasing?

4 One question -- I think the last report that
5 came out was at 4:30 in the morning. I didn't know if
6 there was another update that I could look at to see
7 if there was anything I could take off of that.

8 CINDY JONES: Yes, hi Kevin, this is Cindy
9 Jones. When I left shift last night, we had some folks
10 that were taking the information that we got from data
11 and plotting it, and it did show it decreasing.

12 KEVIN WILLIAMS: Okay.

13 CINDY JONES: It's also been reported on
14 the news that it was decreasing at the main gate which
15 is about 3,800 feet away from the reactors. And that
16 was approximately 120 millirem per hour about a week
17 ago, and now it's down to about 19 or 20 millirem per
18 hour at that main gate.

19 KEVIN WILLIAMS: Okay.

20 CINDY JONES: I'll turn it over to the team
21 that I'm -- I'm just coming on again, so I'll turn it
22 over --

23 SANDRA WASTLER: Same with me too.

24 CINDY JONES: -- to these guys to see if
25 you've heard anything else.

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1 MALE PARTICIPANT: No, we did not get any
2 additional radiation readings. Well, I did get --

3 FEMALE PARTICIPANT: Hey, you guys.

4 MALE PARTICIPANT: I did get, and have not
5 done anything with because we didn't have the staff,
6 these Japanese monitoring reports that need to be plotted
7 and assessed.

8 SANDRA WASTLER: Okay, so I guess the short
9 answer is we may have gotten some in, but they have not
10 been plotted.

11 KEVIN WILLIAMS: Right, okay. And do we
12 know if there's another report coming out?

13 SANDRA WASTLER: A report meaning what?

14 KEVIN WILLIAMS: You know how they've been
15 sending out the updates, the NRC updates?

16 SANDRA WASTLER: The sit-rep (phonetic)
17 reports from this morning --

18 MALE PARTICIPANT: Oh, the sit-rep report.
19 Yes, that'll come out.

20 SANDRA WASTLER: That comes out every day
21 at 6:00 a.m. and 6:00 p.m.

22 KEVIN WILLIAMS: And that's Sara (phonetic)
23 -- the one that we -- the NRC sends, and them.

24 MALE PARTICIPANT: Yes, that's the sit-rep.

25 KEVIN WILLIAMS: Is it?

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1 SANDRA WASTLER: Yes, it is.

2 MALE PARTICIPANT: Yes.

3 KEVIN WILLIAMS: Because I got one. That's
4 what I got at 4:30 this morning?

5 MALE PARTICIPANT: No, it comes out at 6:00
6 a.m. and 6:00 p.m.

7 KEVIN WILLIAMS: Yes, the one I'm talking
8 about is the one that comes from -- that Jim Anderson
9 or Sara --

10 SANDRA WASTLER: Sara does the sit-rep
11 report. I think she sends it out a little bit early,
12 before 6:00, but --

13 KEVIN WILLIAMS: Okay, so whatever's at 6:00
14 is similar.

15 MALE PARTICIPANT: It's got a section for
16 RST, PMT, all that.

17 KEVIN WILLIAMS: Yes, I've seen that, yes.

18 SANDRA WASTLER: Yes, that's the latest.

19 MALE PARTICIPANT: Yes, that's it. That's
20 the sit-rep.

21 KEVIN WILLIAMS: Okay. And so the next one
22 won't come out until 6:00?

23 SANDRA WASTLER: That's right.

24 KEVIN WILLIAMS: Okay, I got it. I thought
25 I understood that. Okay, thank you.

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CINDY JONES: All right, thanks.

SANDRA WASTLER: No problem. Call anytime.

KEVIN WILLIAMS: All right, bye.

CINDY JONES: Bye-bye.

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1 (CONFERENCE CALL INITIATED)

2 0%RHBYH604065094

3 SANDRA WASTLER: Sandra Wastler, NRC
4 Operations Center, PMT.

5 MICHAEL DILLON (phonetic): Hello, myname's
6 Mike Dillon. I'm calling from the NARAC Center.

7 SANDRA WASTLER: Yes.

8 MICHAEL DILLON: Yes, I was calling and
9 following up on an email I'd sent it looks like about

10 an hour or so ago, (b)(6)

11 (b)(6)

12 SANDRA WASTLER: Right. This is on -- hang
13 on. Let me get my --

14 MICHAEL DILLON: Not a problem. Don't let
15 me (inaudible). Let me know when you're ready.

16 SANDRA WASTLER: I'll find the right spot
17 here. This is the -- you're calling about the break
18 down?

19 MICHAEL DILLON: Yes, ma'am.

20 SANDRA WASTLER: All right. Let me check
21 with the appropriate folks. Hold on one second, please.

22 MICHAEL DILLON: Not a problem, thank you.

23 SANDRA WASTLER: This is for those team
24 members --

25 FEMALE PARTICIPANT: Oh, for the rad

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1 protection?

2 SANDRA WASTLER: We've got a guy (inaudible)
3 calling about some information for Dr. (inaudible).
4 Okay.

5 MALE PARTICIPANT: Why don't -- wait, do
6 you want to talk and if they want to review it and then
7 give us a call back if they --

8 SANDRA WASTLER: Oh, hold on.

9 MICHAEL DILLON: Not a problem.

10 SANDRA WASTLER: I just put it on the speaker
11 phone.

12 STEVEN LAVIE: Yo, guys, this is Steve Lavie
13 at the NRC PMT.

14 MICHAEL DILLON: Hello, this is Mike Dillon
15 from NARAC.

16 STEVEN LAVIE: Mike, I understand you're
17 asking about the data (b)(6)

18 (b)(6)

19 (b)(5) And what we did is we took the email you
20 had sent us, on the 26th I believe it was, that gave
21 us the totals that you had used.

22 MICHAEL DILLON: Yes.

23 STEVEN LAVIE: We worked to break out the
24 releases from the three units that give us that total.

25 MICHAEL DILLON: Okay, so just to confirm,

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1 so let's see; so you have out (inaudible) completed,
2 got him the total?

3 STEVEN LAVIE: Yes.

4 MICHAEL DILLON: And I'm just seeing your
5 email right now. Just give me a second.

6 STEVEN LAVIE: Okay.

7 MICHAEL DILLON: And did you happen to
8 cross-compare the preliminary version I had sent you?
9 I just wanted to see if there's a difference or not.

10 MALE PARTICIPANT: I'm sorry, could you
11 repeat the question?

12 STEVEN LAVIE: Cross-compare to the
13 preliminary version?

14 MICHAEL DILLON: So I had sent you a version
15 about an hour or so ago, just based on what we thought
16 was going on. Just wanted to make sure --

17 STEVEN LAVIE: Oh, we didn't.

18 MICHAEL DILLON: Okay, so let me do that
19 right now. Hold on one second.

20 SANDRA WASTLER: Hold on one second.

21 STEVEN LAVIE: Oh, just -- are you referring
22 to the email that talked about the assumed core inventory
23 for low enriched --

24 MICHAEL DILLON: If there was one there,
25 I included that just kind of for context to be honest

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1 with you.

2 STEVEN LAVIE: Okay.

3 MICHAEL DILLON: I'm more concerned about
4 the actual nuclide breakdown for the actual units 2,
5 3 and 4, as opposed to the more general version.

6 MALE PARTICIPANT: Let me see if I have one
7 in here.

8 MICHAEL DILLON: I'm sorry, one second here.
9 Here we go.

10 STEVEN LAVIE: Okay.

11 SANDRA WASTLER: Oh, that -- nothing, this
12 was on the Excel spreadsheet?

13 MICHAEL DILLON: Yes, there's an Excel
14 spreadsheet. Is that the -- it looks like we're --

15 SANDRA WASTLER: Nothing came through.

16 MICHAEL DILLON: -- getting similar; one
17 second.

18 SANDRA WASTLER: Part of the problem is when
19 I printed it out --

20 MICHAEL DILLON: Yes.

21 SANDRA WASTLER: -- when I opened the Excel
22 spreadsheet, we've got nothing.

23 MICHAEL DILLON: Really?

24 MALE PARTICIPANT: Like 10 kilobytes all
25 of the sudden.

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STEVEN LAVIE: Yes, it's only 10 kilobytes

so --

MICHAEL DILLON: Yes, it should be tiny.

SANDRA WASTLER: Yes, and --

STEVEN LAVIE: Well, 10 kilobytes is awfully
small --

SANDRA WASTLER: -- she's opening it and
--

CINDY JONES: There's nothing there.

SANDRA WASTLER: Yes.

MICHAEL DILLON: Okay, I --

STEVEN LAVIE: Hey, let me explain, since
you guys are technically oriented as we are, I would
like to think. Our (crosstalk) --

MICHAEL DILLON: That's a (inaudible) --

STEVEN LAVIE: -- is that there was
differences in the final source term you gave us, the
total source term on the 26th letter or email.

MICHAEL DILLON: So, you're referring to
the source term on the 26th. Can you give me which time
period or --

STEVEN LAVIE: The top 20 you sent us.

MICHAEL DILLON: Top 20 you sent us.

STEVEN LAVIE: (b)(5)

(b)(5)

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1 MICHAEL DILLON: Yes, hold on one second.
2 I said that we have lots of emails going here. I just
3 want to make sure I've got exactly the right one. Checking,
4 just a second. I have --

5 STEVEN LAVIE: Okay.

6 MICHAEL DILLON: -- one sent from John
7 Nasstrom on -- well, it's listed as 11:14 a.m.

8 STEVEN LAVIE: Oh, I didn't get the time.
9 Yes, that -- well, no. I thought it would --

10 MICHAEL DILLON: Tell you what --

11 STEVEN LAVIE: We identified the sheet we
12 work with in the email.

13 MICHAEL DILLON: Yes. Can you, for one,
14 forward the email back so we're on the same page, and
15 then if you could identify the sheet. And actually what
16 I think is probably more useful is let me just cross-compare
17 what we spent the time to figure out and see how close
18 this matches to yours.

19 STEVEN LAVIE: Right.

20 MICHAEL DILLON: And I assume it's for the
21 same 20 top nuclides here, is that correct?

22 MALE PARTICIPANT: Yes.

23 STEVEN LAVIE: Wait, hold up just a moment
24 please.

25 MALE PARTICIPANT: Can you put him mute for

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1 a minute?

2 STEVEN LAVIE: We're going to put you on
3 mute for a moment.

4 MICHAEL DILLON: Absolutely, go ahead sir.

5 MALE PARTICIPANT: Where's the mute button
6 on this phone?

7 STEVEN LAVIE: We got the email -- we were
8 able to open the spreadsheet up on a different PC and
9 we have cross-compared the numbers and --

10 CINDY JONES: Right, we're back. Make sure
11 that they --

12 STEVEN LAVIE: Oh, are you guys there?

13 MICHAEL DILLON: I'm here, yes.

14 STEVEN LAVIE: All right. We cross-checked
15 some for the -- what we think is more critical nuclides.
16 We'll do a more detailed comparison, but for the nuclides
17 we chose to do the comparison to, we're seeing results
18 that are nearly identical.

19 MICHAEL DILLON: That's what I'm seeing as
20 well. I just did the same process.

21 STEVEN LAVIE: Now what we did on that, so
22 you'll understand, we're not going to go into the steps
23 or details for (b)(6)

24 MICHAEL DILLON: Yes.

25 STEVEN LAVIE: Is that we had very good

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1 agreement with unit 2 and 3 that you had provided earlier.

2 MICHAEL DILLON: Yes.

3 STEVEN LAVIE: Okay. We had a little bit
4 of problem with unit 1.

5 MICHAEL DILLON: Correct.

6 STEVEN LAVIE: It appeared that the unit
7 with the number -- 01 numbers you used were halfway between
8 the 2-day release and the 12-day release numbers.

9 MICHAEL DILLON: So unit 1 is the one that
10 got scaled. So let's see, we did end up releasing 120
11 percent with that --

12 STEVEN LAVIE: Right, now --

13 MICHAEL DILLON: -- description of kind of
14 that few day step function.

15 STEVEN LAVIE: I don't know how you did that
16 scaling, but since we had reasonable agreements with
17 unit 2 and 3, we factored them from the total and put
18 the remainder to unit 1.

19 MICHAEL DILLON: That sounds perfectly
20 reasonable to me. The differences --

21 STEVEN LAVIE: From this sheet they look
22 close correlation.

23 MICHAEL DILLON: Yes, and the maximum
24 difference I'm getting here is about a 1 percent difference
25 between the sheets I sent you and the ones you've sent

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1 out.

2 MALE PARTICIPANT: They could have a
3 different power than we do.

4 STEVEN LAVIE: Yes, you may have had a
5 slightly different power, but you know --

6 MICHAEL DILLON: As I said, in this game,
7 at 1 percent.

8 STEVEN LAVIE: One fricken digit.

9 MICHAEL DILLON: I'm not going to personally
10 complain unless someone else brings it up.

11 STEVEN LAVIE: Exactly. I'm sorry, I didn't
12 quite catch your name when you started.

13 MICHAEL DILLON: Absolutely, my name is
14 Michael Dillon, D-I-L-L-O-N, and I'm from --

15 STEVEN LAVIE: Mike.

16 MICHAEL DILLON: Yes, and I'm from NARAC.
17 And may I have your name as well.

18 STEVEN LAVIE: My name is Steven Lavie.

19 MICHAEL DILLON: Okay.

20 STEVEN LAVIE: Are you the man in the hot
21 seat for the rest of the evening?

22 MICHAEL DILLON: We have a small staff here
23 actually at the moment, so I am going to be here until
24 approximately 5:00 our time.

25 STEVEN LAVIE: Okay, so you won't be in later

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1 on. Okay.

2 FEMALE PARTICIPANT: 5:00 a.m. Eastern Time?

3 MALE PARTICIPANT: Yes.

4 MICHAEL DILLON: No, 5:00 p.m. Pacific Time.

5 STEVEN LAVIE: Okay.

6 CINDY JONES: Oh, okay.

7 MICHAEL DILLON: So you'll be going off here
8 in three hours, two hours.

9 CINDY JONES: So 5:00 p.m. --

10 MICHAEL DILLON: Yes, I'm not quite that
11 optimistic, but hopefully before midnight. There will
12 be a new shift coming on at 8:00 Pacific Time.

13 STEVEN LAVIE: Okay.

14 CINDY JONES: And your name is D-0 --

15 MALE PARTICIPANT: Mike Dillon.

16 MICHAEL DILLON: D-I-L-L-O-N.

17 CINDY JONES: Okay, thank you.

18 MICHAEL DILLON: Okay. So just summarizing
19 then. You've obviously just sent out the reply to (b)
(6)

20 (b)(6) At a quick comparison, both of us are agreeing
21 that the numbers we sent are, for all intents and purposes,
22 identical. And, do you need more detail on the unit
23 1 release, that it's --

24 STEVEN LAVIE: I think we're happy what we
25 got.

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1 MICHAEL DILLON: Okay. That sounds good
2 to me. Any other things I can help you with?

3 CINDY JONES: No, we have all the -- we're
4 just checking to see if we have the NARAC runs for some
5 of the items that you've sent. This is Cindy Jones by
6 the way.

7 STEVEN LAVIE: NARAC, N-A-R-A-C.

8 CINDY JONES: One of the things that I noticed
9 is there is a intermediate -- I think it's an intermediate
10 stage relocation run.

11 MICHAEL DILLON: Yes.

12 CINDY JONES: We only have a portion of it.

13 MICHAEL DILLON: So, again, it would
14 probably be useful if you can forward me that email that
15 has the information on it. We are actually working on
16 completing a few of our current sets. So I want to make
17 sure that it's that process as opposed to email
18 communication issues, that that gives you the portion.

19 STEVEN LAVIE: Right.

20 CINDY JONES: So the one -- we ran the
21 plausible realistic case and then the intermediate phase
22 super core. Is there one after that?

23 MICHAEL DILLON: The intermediate phase
24 super core, for the regional area, is actually on our
25 finalization for this shift.

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1 CINDY JONES: Is that different than super
2 core?

3 MICHAEL DILLON: So it is a super core.
4 The intermediate phase, we're doing the full 63 nuclides
5 you originally provided, and we're looking at the yearly
6 and intermediate phase as kind of the final package unit,
7 where previously we've been focusing on the 20 nuclides.

8 CINDY JONES: Okay. And you'll be able to
9 send us something by the end of today, before you leave?

10 MICHAEL DILLON: Our goal is definitely
11 (inaudible) while things got shifted around on this
12 particular event, is to definitely wrap up that particular
13 one and I've deferred momentarily to the NIT. I believe
14 we've been very good about sharing those.

15 CINDY JONES: Right, but we're trying to
16 determine if we're going to get that today or not.

17 MICHAEL DILLON: I would say probably yes.

18 CINDY JONES: I appreciate --

19 MICHAEL DILLON: But we'll see what

20 (b)(6) comes back with.

21 CINDY JONES: I understand, yes. Is there
22 somebody going to take your place after 5:00?

23 MICHAEL DILLON: No, we are going off-shift
24 until 8:00 Pacific Time.

25 CINDY JONES: Okay.

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1 MICHAEL DILLON: But then again, I suspect
2 I'm not leaving at 5:00.

3 STEVEN LAVIE: I know the feeling. Well
4 thank you for your help. Perhaps we'll be chatting later.

5 MICHAEL DILLON: Sounds good, thank you,
6 sir.

7 STEVEN LAVIE: Bye now.

8 MICHAEL DILLON: Bye-bye, ma'am.

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1 (CONFERENCE CALL INITIATED)

2 0%S#\$7_04065094

3 SANDRA WASTLER: U.S. NRC, PMT Operations
4 Center.

5 OPERATOR: Hi, I have Marie Miller from the
6 Japan team on. I'll connect her through.

7 SANDRA WASTLER: Okay. Thank you. Marie
8 Miller from the Japan team.

9 SANDRA WASTLER: Hello?

10 MARIE MILLER: Hello?

11 SANDRA WASTLER: Marie?

12 MARIE MILLER: Hi, it's Marie Miller. We're
13 calling in a little early because we have an unexpected
14 10:00 meeting.

15 SANDRA WASTLER: No problem, hi Marie.

16 MARIE MILLER: Hi.

17 SANDY WASTLER: This is Sandy Wastler.

18 MARIE MILLER: Hi, Sandy.

19 SANDRA WASTLER: Hi.

20 MARIE MILLER: Todd will be joining me
21 shortly. One thing we wanted to mention is we just sent
22 some comments that incorporate some of the comments that
23 we've heard here on the reentry guidance. One thing
24 is basically an area to make sure it's not the final
25 reentry guidance. So we put limited reentry guidance

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1 in the title. And then, to use both units because from
2 the standpoint of what the people here are seeing, they're
3 seeing the SIE and it's as well as the units, you know,
4 that are used in the United States.

5 So, we feel it's good to use both units.

6 And then, an example of what a stay time would be, and
7 how basically just, you know, reuse the example if you
8 had a dose rate of 10 millirem per hour in two hours,
9 that would give you an exposure of 20 millirem. So that
10 incorporates the comments that we heard here from the
11 USAID and the health group here.

12 SANDRA WASTLER: Great, thank you very much.

13 MARIE MILLER: Okay, so that action's done
14 on our part. I mean obviously, you know, whatever you
15 hear from the other agencies when that's shared. I think
16 that these were just offered as suggestions. There's
17 no hard issues that anyone had here with the document.

18 SANDRA WASTLER: Sounds good.

19 MARIE MILLER: A couple things, what we have
20 going on here. We're meeting with the Swedish, Italian
21 and Dutch Consuls at 10:00. They just wanted to have
22 a general discussion with respect to, you know, radiation
23 issues and so forth. So, I spoke with Dan Dorman. He's
24 going to try to join in on the meeting. He'll be coming
25 in a little later.

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1 But basically what we plan to say is that
2 we've done independent confirmation of the source term
3 that's being used by Japan and we're in general agreement
4 with that, and that DOE is doing monitoring, and that
5 the information that we're seeing from that monitoring
6 system is consistent with the MECS data that's being
7 published.

8 And then with respect to the reactors, you
9 know, that there's power being restored to the three
10 reactors and fresh water cooling is in place. And so
11 there continues to be steady progress in that situation.

12 And really that's all we're able to say. Anything else
13 you could recommend that we could say?

14 SANDRA WASTLER: Marie, last night we sent
15 you the NARAC summary runs. Did you receive those?

16 MARIE MILLER: Yes. But I've been talking
17 with Dan. He didn't know whether or not we could really
18 share those.

19 SANDRA WASTLER: You cannot.

20 MARIE MILLER: Right. So that's why we
21 weren't going to share those.

22 SANDRA WASTLER: Yes, they're still being
23 revised at this point (b)(5)

24 (b)(5)

25
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20 And as soon as we know they've done that,
21 then we'll get a copy and we'll share that with you so
22 that you can share with your colleagues.

23 MARIE MILLER: And that would be these
24 additional foreign countries that are making requests
25 for information?

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1 SANDRA WASTLER: We'd have to check with
2 DOE on that to see if it could be shared further. That
3 I don't know about.

4 MARIE MILLER: Right, yes, we're not -- just
5 let us know, you know, if there's any release of information
6 going forward because it does seem like there's getting
7 more and more inquiries coming in from other agencies.

8 The other big meeting that was announced
9 today at 2:30 our time here, there's a high-level ministry
10 meeting with -- it's a deputy, almost comparable to like
11 a chief of staff, that has brought in Japanese radiation
12 long-term health effects experts, and then there's two
13 State Department health effects experts and the health
14 team here, and some university professors that are all
15 meeting.

16 They've asked NRC to also come, so we'll
17 be in the listening mode, and obviously there might be
18 some actions for NRC or the United States Government
19 coming from that, but that's at 2:30 today.

20 SANDRA WASTLER: Okay, very good. It's also
21 our understanding we got a request about an hour ago
22 from the chairman's office for help with TLDs that the
23 chairman and one of his assistants is going to be in
24 Japan for two days. They're leaving tonight.

25 MARIE MILLER: Yes, we did see that in an

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1 email, so we have the heads up on that. So people are
2 scrambling, running around preparing for that.

3 SANDRA WASTLER: Okay, just wanted to make
4 sure you knew.

5 MARIE MILLER: Yes, appreciate that. It
6 looks like that's -- I don't know, I just know people
7 are running around now. So, I guess one thing is that
8 we're -- two issues that we are raising that's being
9 passed over to NISA is the strontium issue.

10 I think there was an update that said that,
11 you know, from IAEA saying that that couldn't have caused
12 the burns, but that was based probably on TLD monitoring
13 data which wouldn't obviously have been seen, you know,
14 as far as what would be the radiation fields in the water.

15 And then the newspaper reported that the expected dose
16 rates to the individuals that received the burns was
17 more on the order of six to eight sieverts.

18 So that was more, you know, substantial and
19 that would more than likely have caused the burns. So
20 that's something that we're looking to see if they have
21 some data on strontium in the plant. And then DOE plans
22 to start some additional strontium monitoring as well.

23 And then Todd was just asked to put together
24 just a -- and Todd just joined us. So I'll let him say
25 what he just provided over to the reactor folks that's

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1 going to share this topic with NISA.

2 TODD JACKSON: Sure. Yes, Mike Scott just
3 asked for a statement of the discussion item and what
4 I asked yesterday was, if you recall after Hurricane
5 Katrina, there was a lot of difficulty in verifying
6 security radioactive sources along the impacted coast
7 of Louisiana and Mississippi.

8 SANDRA WASTLER: Right.

9 TODD JACKSON: Addresses were missing.
10 Well certainly the same conditions are going to exist
11 where the Tsunami hit. So, you have the question of
12 are they preoccupied? Have they considered that then
13 if they have any radioactive sources that might present
14 significant radiation hazards, are they looking, you
15 know?

16 And if they're out there and there is aerial
17 monitoring going on, number one, they might find them,
18 and number two, if they don't know what they're looking
19 at that might confuse things in trying to interpret the
20 data for what's being released from the plant. So it's
21 just a matter of awareness and are they out there.

22 SANDRA WASTLER: Does the regulator have
23 a national source tracking system or a database?

24 TODD JACKSON: We don't know the answer to
25 that. We didn't even know for sure which agency was

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1 responsible for regulating radioactive materials. We
2 don't know if it's NISA as it is for a nuclear power
3 plant. But Dan Dorman's going to raise that issue just
4 so that it gets to the right place.

5 SANDRA WASTLER: Right.

6 MARIE MILLER: And then there is a meeting
7 that Japan has requested for long-term monitoring that
8 looks like it's going to be set up for Monday afternoon.

9 I'm not exactly sure who is going to be involved with
10 that, but that's one that Brooke Smith on the NRC team
11 had gotten a request, so she left us a number of documents
12 and basically that would help, I guess with the Japanese
13 for establishing like the long-term environmental
14 monitoring program.

15 SANDRA WASTLER: Well the Japanese have a
16 lot of experience in Hiroshima for that. RERF has the
17 world's experts there, have been there for many years
18 following that and have a lot of expertise.

19 TODD JACKSON: With established contacts.

20 SANDRA WASTLER: I'm sorry?

21 TODD JACKSON: With established contacts
22 throughout the Government, you're right.

23 SANDRA WASTLER: Yes.

24 MARIE MILLER: Okay, so that's all we have.

25 Anything else for us?

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1 SANDRA WASTLER: Something really -- if I
2 could go back to a comment you mentioned. You thought
3 there was something in the news that six to eight sieverts
4 possibly. Was that for the skin dose of the individuals
5 that were in the turbine building?

6 TODD JACKSON: That's our assumption. They
7 said it was exposure to their feet and that they had
8 burns. That was the report in the media.

9 SANDRA WASTLER: Okay.

10 TODD JACKSON: Which is what raised the
11 comparison with TMI because Strontium 90 appeared suddenly
12 at TMI and then became a major problem as far as worker
13 exposure hazards.

14 (Crosstalk)

15 STEVEN LAVIE: This is Steve Lavie of the
16 PMT. We've been looking at this ourselves here. The
17 team we had on during the day shift took the gamma
18 spectroscopy results and looked at those numbers in
19 context of beta doses.

20 And they did several of the nuclides, but
21 looked at the beta dose instead of the gamma dose, and
22 found doses that rapidly encroached on that 55,000 rad
23 dose which is the threshold for skin reddening. So the
24 beta exposure is a strong possibility.

25 We also think, but can't confirm the fact

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1 that the third worker who had higher boots didn't get
2 the dose.

3 TODD JACKSON: That's what the newspaper
4 said, yes.

5 STEVEN LAVIE: Right. That indicates that
6 he would have been exposed to the same gamma radiation.
7 The boots wouldn't have been that much attenuation.
8 But it would be different for beta.

9 TODD JACKSON: But depending on the boots,
10 they may have provided significant protection from either
11 liquid intrusion, you know, getting to the skin, or I
12 mean one of the protective measures for beta is heavy
13 rubber boots to stop the beta so you don't get skin exposure.

14 STEVEN LAVIE: True, but the water was inside
15 their boots.

16 TODD JACKSON: I thought -- well, I don't
17 know the details. That's more detail than I know.

18 STEVEN LAVIE: What we heard is -- what they
19 were explaining in the news media was the water had flowed
20 into the boots on two individuals, but didn't affect
21 the third individual because his boots were higher.

22 TODD JACKSON: Okay, well that makes sense
23 then.

24 STEVEN LAVIE: The focus ought to be, we
25 believe, on beta --

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1 (Crosstalk)

2 MARIE MILLER: So what we heard was --

3 TODD JACKSON: Right, I mean yes. We're
4 in agreement, right. You mentioned gamma and if it happens
5 to be Strontium 90, what measurement would they get on
6 the gamma spec?

7 STEVEN LAVIE: They didn't have -- you're
8 absolutely --

9 TODD JACKSON: Nothing.

10 STEVEN LAVIE: -- correct. We didn't have
11 any solely beta emitters in our output because it was
12 from a gamma spec.

13 TODD JACKSON: I understand, and as far as
14 we know we don't have any data on Strontium 90 measurements.
15 And --

16 SANDRA WASTLER: That's what we want --

17 TODD JACKSON: -- that was the issue at TMI.
18 They were routinely screening with gamma specs, so they
19 missed the Strontium 90 when it first appeared being
20 there's no gamma component.

21 STEVEN LAVIE: Yes, I remember I joined the
22 work at TMI late in the process, and I do remember them
23 requiring workers to do fecal sampling for beta emitters
24 for a period.

25 MARIE MILLER: So the issue there, which

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1 has been passed to TEPCO and NISA --

2 MALE PARTICIPANT: Well, it's going to be.

3 Dan --

4 MARIE MILLER: It's going to be, is you know,
5 that they need to --

6 MALE PARTICIPANT: Analyze for beta --

7 MARIE MILLER: -- analyze for beta --

8 MALE PARTICIPANT: -- and Strontium 90.

9 MARIE MILLER: -- and Strontium 90. So,
10 that's what we're passing on, you know, that information.

11 And then the other issue with DOE is that they're going
12 to try to arrange, I guess with naval reactors, to do
13 some wet chemistry for the strontium because I don't
14 think there's been any data on deposition with respect
15 to strontium out in the field.

16 So they were going to try to get as close
17 to the facility as possible. There was another action,
18 it just came up to me, as far as the --

19 MALE PARTICIPANT: (Inaudible).

20 MARIE MILLER: -- post data. Are you seeing
21 numbers now that have the radiation readings at the
22 facility yet? Are you seeing that data? There was a
23 request that we passed on as to why, I guess, there was
24 only post one at the gate and not further radiation readings
25 at the plant. Are you seeing any revised data there?

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1 SANDRA WASTLER: Not at this time.

2 MARIE MILLER: Okay. All right, we'll still
3 try to send that back to the reactor folks to ask about
4 then again. And there was a lot of speedy data that
5 Dan Dorman passed on to us, but we're really not doing
6 anything with it. We assumed that --

7 SANDRA WASTLER: It's coming back here.

8 MARIE MILLER: Right.

9 SANDRA WASTLER: And it's being looked at
10 as -- well, I won't say as it comes in, but it is getting
11 looked at, yes.

12 TODD JACKSON: And Dan had the conclusion
13 that the speedy data was pretty consistent with RASCAL's
14 data or calculations you all are doing?

15 MALE PARTICIPANT: We haven't made that
16 comparison.

17 SANDRA WASTLER: I don't think they've made
18 that comparison yet.

19 TODD JACKSON: Okay.

20 SANDRA WASTLER: They're still working on
21 clarification on some of the RASCAL's, some of the runs,
22 and so they haven't got there yet.

23 MARIE MILLER: Okay. All right, good. All
24 right, well we have this other meeting at 2:30 today,
25 and that involves us going offsite, so we may be a little

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1 late for the 4:00, you know, calls. Todd and I will
2 both go to there since it's a high-level meeting, so
3 we'll call in later in the day as soon as we can.

4 SANDRA WASTLER: All right, thanks.

5 TODD JACKSON: And yesterday, my BlackBerry
6 was not working. It is working now, so both of us have
7 active units.

8 SANDRA WASTLER: Okay.

9 TODD JACKSON: And, do you have numbers?
10 You should have numbers.

11 SANDRA WASTLER: Why don't you give them
12 to me just in case. I don't personally have them. They
13 could be here somewhere, but Cindy had to step out of
14 the room, so --

15 TODD JACKSON: All right. The BlackBerry
16 for Todd, (b)(6) I don't have yours.

17 MARIE MILLER: Yes you do.

18 TODD JACKSON: Oh, yes I do. Marie's is
19 (b)(6)

20 SANDRA WASTLER: All right, thank you. I'm
21 rather safe than sorry here and have them.

22 TODD JACKSON: Sure.

23 MARIE MILLER: All right, thanks a lot.

24 SANDRA WASTLER: All right, thank you. Talk
25 to you tomorrow.

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MARIE MILLER: Bye-bye.

SANDRA WASTLER: Bye.

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1 (CONFERENCE CALL INITIATED)

2 0%S-6K5604065094

3 SANDRAWASTLER: NRC Operations Center, PMT,
4 Sandra Wastler.

5 OPERATOR: Hey, Sandra, I've got Todd
6 Jackson from the Japan team online. Can I connect him
7 in?

8 SANDRA WASTLER: All right. It's Todd
9 Jackson from Japan. Yes.

10 OPERATOR: Okay, here he is.

11 SANDRA WASTLER: Hello?

12 TODD JACKSON: Hello, this is Todd Jackson
13 of Japan. Hoping you might be able to help me find a
14 link on the NRC public web site to Rev 5 of RTM-96.

15 SANDRA WASTLER: RTM-96?

16 MALE PARTICIPANT: (Inaudible) Rev 5 to
17 RTM-96.

18 SECOND MALE PARTICIPANT: On the web site.
19 It was a draft wasn't it?

20 TODD JACKSON: It's a draft?

21 SECOND MALE PARTICIPANT: We're talking.
22 I'm sorry.

23 SANDRAWASTLER: We're consulting each other
24 here, hang on.

25 TODD JACKSON: Okay. We've got Rev 4.

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1 MALE PARTICIPANT: Instructed in the mail
2 to explain the situation and offer out --

3 (Crosstalk)

4 SECONDMALE PARTICIPANT: We're confirming.

5 SANDRA WASTLER: We're confirming.

6 (Crosstalk)

7 SANDRA WASTLER: But is it on the web site?

8 (Crosstalk)

9 FEMALE PARTICIPANT: This is another
10 conversation I (crosstalk) --

11 SANDRA WASTLER: That's the key.

12 FEMALE PARTICIPANT: -- the Secretary of
13 HHS. I'm just trying to document it, and get -- and
14 something else.

15 MALE PARTICIPANT: Okay, fine good.

16 SECONDMALE PARTICIPANT: I don't know if
17 this is what we --

18 (Crosstalk)

19 FEMALE PARTICIPANT: This was a bigger
20 issue.

21 MALE PARTICIPANT: The issue was during the
22 day shift (crosstalk) something Japanese staff, which
23 was temporarily traced for unit 1, 5 (inaudible) for
24 unit 2 -- I'm sorry, I've put the wrong -- I didn't date
25 this. And unit 3 was --

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1 THIRD MALE PARTICIPANT: I know the
2 assumptions.

3 MALE PARTICIPANT: Well these were changed
4 two days ago, okay?

5 THIRD MALE PARTICIPANT: Actually --

6 SANDRA WASTLER: Ask her was the -- for the
7 PMT to take this and to run new sources with it --

8 FEMALE PARTICIPANT: Do you have any ideas?

9 SANDRA WASTLER: -- to give to NARAC.

10 (Crosstalk)

11 SANDRA WASTLER: Todd?

12 TODD JACKSON: Yes.

13 SANDRA WASTLER: I'm going to have to check
14 and call you back.

15 TODD JACKSON: Okay.

16 SANDRA WASTLER: Okay?

17 TODD JACKSON: That's fine, or you can send
18 it to my email and I'll get it on the BlackBerry.

19 SANDRA WASTLER: Okay, great.

20 (Crosstalk)

21 TODD JACKSON: todd.jackson@nrc.com.

22 SANDRA WASTLER: All right, thanks.

23 TODD JACKSON: Thank you.

24 SANDRA WASTLER: Bye-bye.

25 MALE PARTICIPANT: Re-run the case --

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PMT RAAD ASST Director Audio Files

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UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

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JAPAN'S FUKUSHIMA DAIICHI
PMT RAAD ASSISTANT DIRECTOR AUDIO FILES

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SUNDAY,
MARCH 27, 2011

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1
2 (CONFERENCE CALL INITIATED)

3 GREG CASTO: NRC Operations Center. Greg
4 Casto.

5 HEADQUARTERS OPERATIONS OFFICER: Hey, Greg,
6 I've got Marie Miller from the Japan team on the line.
7 Can I connect her?

8 GREG CASTO: You bet.

9 HEADQUARTERS OPERATIONS OFFICER: Okay.
10 Connecting now.

11 GREG CASTO: Okay. Hello?

12 MARIEMILLER: Yes. Hi. It's Marie Miller,
13 Todd Jackson.

14 GREG CASTO: Hi, guys. This is Greg Casto.
15 How you doing?

16 MARIE MILLER: Okay.

17 GREG CASTO: Good.

18 MARIE MILLER: This is the 4 o'clock PMT
19 call at 4:30. We just got back from an off-site meeting.

20 GREG CASTO: Okay.

21 MARIE MILLER: Are you filling the role for
22 the PM?

23 GREG CASTO: I am.

24 MARIE MILLER: Great. Okay. We have two
25 main, well I guess three points. One is Dan Dorman is

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1 working the issue list on the information we've received
2 from Marty Virgilio with respect to the source term being,
3 you know, reevaluated until he's actually meeting with
4 folks working that.

5 GREG CASTO: Okay.

6 MARIE MILLER: So that's ongoing. Richie
7 (phonetic) gave us that information.

8 GREG CASTO: Okay. Let's see, now. Did you
9 get the most recent information? Or how --

10 MARIE MILLER: That was probably around 2
11 o'clock.

12 GREG CASTO: 2 o'clock.

13 MARIE MILLER: 2 o'clock today. Oh, well,
14 I'm sorry. What time would that be for them? That would
15 have been --

16 (Off microphone discussion)

17 GREG CASTO: Yes.

18 MARIE MILLER: It would have been, what,
19 1 o'clock?

20 (Off microphone discussion)

21 MARIE MILLER: 1:00 a.m.

22 GREG CASTO: 1:00 a.m. our time?

23 MARIE MILLER: Yes.

24 GREG CASTO: Okay, and just to, I guess,
25 just to rehash, there were some questions on the source

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1 term?

2 MARIE MILLER: Yes. Apparently, with
3 respect to the Unit 3 and the --

4 GREG CASTO: Right.

5 MARIE MILLER: -- the lag in the --

6 GREG CASTO: Right, right. The hold-up time
7 before release?

8 MARIE MILLER: Right.

9 GREG CASTO: Now we've looked into that and
10 there's probably some more recent information. We're
11 more assured that that is correct as modeled.

12 MARIE MILLER: Okay, so --

13 GREG CASTO: So there is some updated
14 information. We're still reevaluating before we release
15 that information back to --

16 MARIE MILLER: Was Dan given that update?
17 Because based on what we had heard then, you know, there
18 was a big effort so he was --

19 GREG CASTO: Right. Now I understand Dan's
20 on the line with the ET right now.

21 MARIE MILLER: Okay.

22 GREG CASTO: So he should be getting that
23 information right now. But there is updated information
24 to what you heard several hours earlier.

25 MARIE MILLER: Okay.

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1 GREG CASTO: Okay?

2 MARIEMILLER: All right. We had just talked
3 to Dan, and he was actually with the NC, so I don't know
4 if he's actually on that call. But there must be someone
5 else, then, on that call. So as long as -- we'll regroup
6 here.

7 GREG CASTO: Right.

8 MARIE MILLER: There is a group of people
9 on another call.

10 GREG CASTO: Okay.

11 MARIE MILLER: But that will be, you know,
12 key to get that to him, because he or Chuck has to have
13 just called to him maybe five minutes ago and he was
14 up with the Ambassador working, you know, the issues.
15 So anyway --

16 GREG CASTO: Right. And we also understand
17 that NARAC is standing down overnight now, as well.
18 So if we had proposed -- if we had wanted to propose
19 changes or rerun that model, we couldn't have done that
20 anyway.

21 MARIE MILLER: Right. We had understood
22 that, --

23 GREG CASTO: Okay.

24 MARIE MILLER: -- that they --

25 GREG CASTO: Got you.

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1 MARIE MILLER: -- are not available. And
2 so that's why we were just at, you know, at this point
3 saying that we just, you know, did not have a -- you
4 know, basically, it was something that we said shouldn't
5 be shared publically.

6 GREG CASTO: Right.

7 MARIE MILLER: I mean we always knew, oh

8 --

9 (Off microphone discussion)

10 MARIE MILLER: Hold on.

11 GREG CASTO: Okay.

12 MARIE MILLER: Thanks for your patience.

13 (Off microphone discussion)

14 MARIE MILLER: Okay. All right, so what
15 we'll just do here is make sure that Dan has the latest
16 information from the ET that was provided.

17 GREG CASTO: Right. And he should get that
18 when he talks to the ETs he should have that.

19 MARIE MILLER: Okay.

20 GREG CASTO: If he doesn't, he can call back
21 or you can call back.

22 MARIE MILLER: Well, why don't you -- can
23 you give it to me? I mean --

24 GREG CASTO: Well, bottom line, and this
25 is still, I guess, ongoing, but we've done some reassessing

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1 and, based on when the releases occurred from the different
2 units, it appears that the modeling on Unit 3 is reasonable.

3 In other words, that hold-up time is justified, because
4 from core damage to release there was about a day before
5 releases starting occurring from Unit 3.

6 MARIE MILLER: Okay.

7 GREG CASTO: So based on that, going back
8 and looking at how RASCAL decays off a lot of the
9 radioisotopes, it appears to line up.

10 MARIE MILLER: Okay.

11 GREG CASTO: Okay?

12 MARIEMILLER: Okay, good. Allright. Yes,
13 we'll make sure he has that information.

14 GREG CASTO: Right. And before we
15 officially release that we wanted to evaluate a little
16 bit more.

17 MARIE MILLER: Good. And that was always,
18 you know, what was understood.

19 GREG CASTO: Right.

20 MARIE MILLER: It was the, I guess the --

21 (b)(5)

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23
24 (b)(5)

So now it's, while now

25 it's looking to be a plausible scenario, we're still

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1 not releasing that information.

2 GREGCASTO: Yes. And I've got you on speaker.

3 Randy's on line 2.

4 MARIE MILLER: Okay, good. All right.

5 Okay.

6 TODD JACKSON: NARAC won't be available

7 until tomorrow, right, at the location (phonetic)?

8 That's what you'd said earlier, that NARAC is not available

9 currently, and will not be available until tomorrow?

10 RANDY SULLIVAN: Well, I don't know what

11 their schedule is. I mean we could probably wake them

12 up if there's something important. I mean, they work

13 for DOE. We were considering waking them up, but we

14 didn't have a need to and we need to check some of our

15 own data before we get back to them.

16 MARIE MILLER: Okay. And that sounds like

17 that has occurred. And so we're feeling a little more

18 comfortable. So it doesn't sound like there's an

19 immediate need.

20 RANDY SULLIVAN: Yes. I'm sorry. I was in

21 the ET talking with Dan Dorman about some NARAC slides

22 that have come over. And so I didn't get the front end

23 of your conversation.

24 MARIE MILLER: Are you sure you were talking

25 to Dan?

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1 RANDY SULLIVAN: Say again?

2 MARIE MILLER: Are you sure you were talking
3 to Dan?

4 MALE PARTICIPANT: Positive.

5 MARIE MILLER: Okay. All right, that's good.
6 All right. He's running around.

7 RANDY SULLIVAN: He was on the phone with
8 Marty and our director, Marty Virgilio and our director.

9 And he was trying to describe some NARAC, I guess, dose
10 projections that just came over the transom, and trying
11 to understand. Anyway, he's going to get those to us
12 for us to take a look at and figure out what they've
13 done.

14 MARIE MILLER: Okay. All right, that sounds
15 good. That's all I wanted to make sure that Dan had
16 released the information. We were just told a few minutes
17 ago that Dan wasn't in on that call, but never mind.
18 Okay.

19 MALE PARTICIPANT: I don't know that Dan
20 has the latest information. I mean, we didn't recognize
21 the source terms he was describing. But he'll send them,
22 and we'll look at them, and we'll try to help him understand.

23 MARIE MILLER: Okay. All right. So from
24 the standpoint of this for a PT, you know, call, DeeAnn
25 (phonetic) is going to be sending in some NARAC dose

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1 assessments runs.

2 MALE PARTICIPANT: Yes, stuff from NARAC.

3 MARIE MILLER: Right. All right.

4 MALE PARTICIPANT: You guys getting much
5 sleep?

6 MARIE MILLER: No. So that's okay. It
7 sounds like you guys are busy, too. All right. Dan to
8 send NARAC runs to Headquarters. Okay. That's one thing.
9 All right. The second thing before -- Al? I keep
10 forgetting your last name.

11 AL HOICHEVAR: Hochevar.

12 MARIE MILLER: Hochevar. I have to get --
13 is with INPO. He's embedded here.

14 MALE PARTICIPANT: Yes, we met him.

15 MARIE MILLER: Great. And I'm giving the
16 floor to him.

17 AL HOICHEVAR: Hey. I understand you guys
18 are getting swamped with information, and just sorting
19 through stuff. INPO's been working through NEI and has
20 been tasking them, but if you guys feel it's necessary
21 and you want to speak with INPO directly to give the
22 guys tasks and help you work calculations, we're more
23 than happy to do that. It's really your call. Don't
24 want to muddy the waters. If things are working fine,
25 now, that's great, but I'm just offering you the services

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1 of INPO.

2 RANDY SULLIVAN: Interesting. We might be
3 getting swamped, but we're actually -- where we're
4 essentially at I -- maybe we had this conversation last
5 night. I didn't know that I had it with you guys, but

6 (b)(5)
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(b)(5)

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AL HOICHEVAR: (b)(5)

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(b)(5)

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RANDY SULLIVAN: Well, I mean, that's very dynamic and responsive. I don't even know that I would be allowed to send anything, frankly. It has to be a conversation we have with our director.

14

15

16

17

AL HOICHEVAR: Okay. But you know, I'll let you guys hit. I don't want to muddy the waters. I don't want to make more problems for you guys. So just kind of tuck it in the back of your mind and if you consider that, just let me know and we can in contact with one another, that's all.

18

19

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RANDY SULLIVAN: I guess who I should really

(b)(5)

24

25

TODD JACKSON: Yes, to FRMAC to ask for more

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1 assistance, correct?

2 RANDY SULLIVAN: Yes, or maybe they've got
3 more than I have, and they're on the case and I can stop
4 worrying about it. You know, for all I know they're
5 working this issue. So that's probably who I should
6 talk to, right? I don't know. And I would get to them
7 through the NIT, I suppose it's called, right?

8 MARIE MILLER: It is the NIT, yes.

9 RANDY SULLIVAN: And that's here in
10 Washington, I guess, or I have a Washington phone number.
11 Yes, I suppose that's who I should talk to. But let
12 me pass on the INPO offer to management --

13 AL HOCHEVAR: Okay.

14 RANDY SULLIVAN: -- for their information.
15 And you know, maybe there is a role. I'm not king of
16 this.

17 AL HOCHEVAR: Don't want to muddy the waters.
18 It's just offering our assistance whatever capacity
19 we can help out in that. That's all.

20 RANDY SULLIVAN: Fair enough. Let me pass
21 that on. And I'm going to need the spelling of your
22 name.

23 AL HOCHEVAR: Sure, it's H-O-C-H-E-V-A-R,
24 okay? And the first name's Al, A-L.

25 RANDY SULLIVAN: H-O-C-H-E-V --

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1 AL HOCHEVAR: A-R. Correct.
2 H-0-C-H-E-V-A-R.
3 RANDY SULLIVAN: Oh, Al. Okay. And you're
4 an INPO guy?
5 AL HOCHEVAR: Right.
6 RANDY SULLIVAN: And I can reach you through
7 -- do you have a phone number?
8 AL HOCHEVAR: You can reach me right here
9 at the team room. I'll give you my cell phone.
10 RANDY SULLIVAN: Yes. And it's an
11 international telephone, no doubt.
12 AL HOCHEVAR: The number is (b)(6)
13 RANDY SULLIVAN: (b)(6)
14 AL HOCHEVAR: -- (b)(6)
15 RANDY SULLIVAN: Say again, please.
16 AL HOCHEVAR: (b)(6)
17 RANDY SULLIVAN: Okay, Al.
18 AL HOCHEVAR: Okay. No problem.
19 RANDY SULLIVAN: Thank you.
20 AL HOCHEVAR: Helping when we can.
21 RANDY SULLIVAN: Hey, NRC guys, do you need
22 anything of us?
23 MARIE MILLER: Well, what I wanted to mention
24 is a meeting that we went to, Todd and I, with the health
25 group here. There were a number of doctors, Dr. Coleman

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1 was the lead. He's with the -- and Dr. Ripschin (phonetic)
2 and then CDC. Basically, the, let me get his official
3 title. What's his official title? Hold on.

4 RANDY SULLIVAN: That's okay. I don't need
5 it.

6 MARIE MILLER: Okay. No, no, you want to
7 know this title. Hold on. Oh, no, no, for the high-level
8 person that was there at this -- it's a (indiscernible)
9 person.

10 TODD JACKSON: Right there. He was the one
11 who gave the initial address?

12 MARIE MILLER: It was the --

13 TODD JACKSON: This was the first speaker
14 who said that there would be a presentation from them.

15 MARIE MILLER: Yes, oh, okay. No, it was
16 the acting.

17 MALE PARTICIPANT: Hakashi (phonetic) was
18 the lead once they did the initial --

19 MARIE MILLER: For the doctor, yes.

20 MALE PARTICIPANT: Yes. And he's like
21 Coleman's counterpart.

22 MARIE MILLER: But no, it was Fukushima.
23 He's not on the list. Well, anyway, I'm sorry. There
24 were, yes, the Assistant Chief Cabinet Secretary, which
25 is a higher level, pooled together a number of medical

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1 experts. You had them from their version of the National
2 Institute of Radiological Sciences, the different
3 hospitals, the NSC, the Ministry of Education, Ministry
4 of Health, Ministry of Defense, different universities.

5 And anyway, they're looking -- they were
6 exploring whether or not there could be several areas
7 of cooperation to be requested of the U.S. Government.

8 And it would be in the area of environmental assessment,
9 dose reconstruction, improved sampling and analysis of
10 water samples, the development of communication messages
11 for KI and stakeholder involvement, and so their plan
12 to raise this officially at the cabinet level meeting,
13 tonight.

14 So basically there was this meeting today
15 where they're making this request, and then our
16 representative here with the embassy, you know, is saying
17 that this is unusual that they're making this level of
18 request. But it's also representative of just how
19 overwhelmed they probably are.

20 So we'll be taking this in the tooth. You
21 know, Chuck Kane (phonetic) is to Casto, sorry, as the,
22 you know, lead here for further discussion. But it
23 basically looks to expand the United States federal
24 response here, because it would go into, you know, your
25 intermediate and recovery phases.

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1 RANDY SULLIVAN: Okay.

2 MARIE MILLER: So that's kind of the heads
3 up on that.

4 (Off microphone discussion)

5 MARIE MILLER: And if they want to start
6 tomorrow --

7 RANDY SULLIVAN: Right on it.

8 MARIE MILLER: -- and, you know, have a
9 steering committee. And so what the commitment made
10 was that certainly there would be a steering committee
11 in Otawara, and that there would be teams developed.
12 But the teams and the extent of those teams have not
13 been developed. So ultimately what I see this as is
14 an expansion of, you know, NRC involvement, as well as
15 the other federal family members.

16 And I guess, Randy, what you're saying is
17 that, you know, the FRMAC, I mean it almost looks like
18 establishing a FRMAC-like group here, similar to what
19 we would have in the United States.

20 RANDY SULLIVAN: Cool.

21 MARIE MILLER: So more to follow on that.

22 RANDY SULLIVAN: Okay, great.

23 MARIE MILLER: Okay. All right. So that's
24 we have, I think, on our end, right, as far as -- anything
25 else for us?

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1 RANDY SULLIVAN: Oh, I mean, that reentry
2 procedure that we were messing around with yesterday?

3 MARIE MILLER: Yes.

4 RANDY SULLIVAN: I understand that that's
5 been sent to the, I guess it's called the National Security
6 Council. And you know, to disseminate and provide
7 comments, or do whatever they're going to do with.

8 Now, perhaps you know this better than me,
9 but Marty is going to help us understand a little bit
10 better the situation (phonetic) of the U.S. response.

11 And it is definitely through the NSC, which is a deputy
12 cabinet, minister-level group of which the chairman is
13 a member. So you know, like you're saying, this health
14 support that they're asking for will most probably end
15 up going through that NSC, and whatever comes down to
16 us, we'll be happy to do. But in general, that's the
17 coordinating council for, you know, for the U.S.
18 Government.

19 Now, one area where NRC is kind of on their
20 own is, you know, reactor safety. And the reactor safety
21 guys are doing stuff. They probably send that back through
22 NSC, but there they're, you know, interacting a little
23 bit more robustly than the rest of us.

24 MARIE MILLER: I understand.

25 RANDY SULLIVAN: So the heads up is good,

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1 and we appreciate it but we probably won't do anything
2 until it comes back down, you know, through the NSC with
3 a specific tasker, in which case we would be happy to
4 help.

5 TODD JACKSON: Kind of a heads up in that
6 direction. The discussions included a lot of topics
7 that were covered after TMI such as, whole body counts
8 of members of the public.

9 RANDY SULLIVAN: Wow.

10 TODD JACKSON: A sampling done at request
11 of public or farmers or things like that. And the reason
12 I bring it up now is, there has to be significant
13 documentation and write-ups that describe those programs
14 that were put in place right after TMI. I don't know
15 where that's located, but if that was available and known,
16 that would be a great answer.

17 RANDY SULLIVAN: Seems to me that we've
18 gotten a similar request to that some days ago. I mean,
19 not exactly this, but they've been asking for a couple
20 of days. You know, they want lessons learned from TMI.

21 And I don't mean lessons learned. You know,
22 they want our advice on various of the recovery processes
23 that we went through. And I understood that a couple
24 of days ago our executive team kicked that out to the
25 NRC line organization, you know, the historian and whoever

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1 else there is who will handle that --

2 TODD JACKSON: Specifically, I think I
3 remember that there was a new reg produced describing
4 the whole body-counting program for the public, as an
5 example.

6 RANDY SULLIVAN: Okay.

7 MARIE MILLER: Okay, so more will come, you
8 know, from this, so we just wanted to give you that heads
9 up. Anything else?

10 (Off microphone comments)

11 MARIE MILLER: Okay. And here's the name
12 of lead person is Fukiyama (phonetic), --

13 RANDY SULLIVAN: You're going to have to
14 spell that.

15 MARIE MILLER: -- is deputy chief cabinet
16 secretary. So it is coming at a high level and, as you
17 say, you know, we'll all ultimately go back to the National
18 Security Council. And of course we'll have people prepped
19 here recognizing that the chairman's coming and should
20 expect it to, you know, receive some requests at his
21 level, as well. Okay?

22 RANDY SULLIVAN: (indiscernible)

23 MARIE MILLER: Okay. All right. Thanks
24 very much. We'll talk to you tomorrow our time, 10 o'clock.

25 RANDY SULLIVAN: Oh, I got the day off, but

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1 you'll talk to my replacement.

2 MARIE MILLER: All right. Thanks, Randy for
3 all your help. Enjoy your day off.

4 RANDY SULLIVAN: Thank you.

5 MARIE MILLER: Bye.

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(CONFERENCE CALL INITIATED)

TODD JACKSON: NRC. This is Todd Jackson.

RANDY SULLIVAN: Todd, Randy Sullivan, PMT.

TODD JACKSON: Hi, Randy.

RANDY SULLIVAN: Are you in a place you can talk?

TODD JACKSON: I can be. I'm in the main room, here, which is a little bit noisy.

(Off microphone discussion)

TODD JACKSON: What's going on?

RANDY SULLIVAN: Dan Dorman called a little bit nervous about a bunch of plots that NARAC sent. Are you at all --

TODD JACKSON: You want to talk to Dan?

(Off microphone discussion)

TODD JACKSON: You need to talk to Dan directly.

RANDY SULLIVAN: Oh, sure.

TODD JACKSON: Okay. Hang on a sec.

(Off microphone discussion)

TODD JACKSON: Dan evidently is not aware of questions or anything related to those plots. Randy? Hello, Randy?

RANDY SULLIVAN: Hi. (b)(5)

(b)(5)

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1 (b)(5)

2 TODD JACKSON: Okay, hang on.

3 RANDY SULLIVAN: -- to see the basis.

4 (Off microphone discussion)

5 DAN DORMAN: Hey, Randy.

6 RANDY SULLIVAN: Yo.

7 DAN DORMAN: Dan Dorman.

8 RANDY SULLIVAN: Oh, Dan. Hey, you know this
9 U.S. atmospheric release simulations that NARAC, I guess,
10 sent, you know, the official use only document you sent
11 to us just a while ago?

12 DAN DORMAN: Yes.

13 RANDY SULLIVAN: That was you, right?

14 DAN DORMAN: It's about a six-page PowerPoint?

15 RANDY SULLIVAN: Yes, with dose plots in the
16 back of it.

17 DAN DORMAN: For three different scenarios?

18 RANDY SULLIVAN: Yes.

19 DAN DORMAN: Yes.

20 RANDY SULLIVAN: Those, in fact, are -- well,
21 the first one is the, you know, version 3 scenario we've
22 been talking about all night.

23 DAN DORMAN: Right.

24 RANDY SULLIVAN: And the next two were parsed
25 from previous source terms we sent them.

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1 DAN DORMAN: Okay.

2 RANDY SULLIVAN: So indeed those are -- yes?

3 DAN DORMAN: Here's the issue that I was raising,
4 that the notes that were given to the Ambassador -- the
5 purpose of that document was for the Ambassador to share
6 that with a very high-level Japanese official for the
7 purpose of engaging a dialogue on doing comparable those
8 projections.

9 And that's all great. The problem that I had
10 was that the talking points that were given to the
11 Ambassador to present this information, presented this
12 information as a reasonable assessment of potential future
13 developments.

14 RANDY SULLIVAN: Yes?

15 DAN DORMAN: And I'm looking at that and looking
16 at the, particularly the reactor source. I mean, first
17 off we can get into debates about how realistic, you
18 know, blowing two pools is at this point with that kind
19 of source terms.

20 But the second thing is, my recollection is
21 the reactor source terms on the first two scenarios were
22 based on releases that occurred within a couple of days
23 of the shut-down. Whereas, any big release that happens
24 in the future is two or three weeks after the shut-down.

25 RANDY SULLIVAN: That's right.

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1 DAN DORMAN: And so the source term would be
2 different.

3 RANDY SULLIVAN: Yes. But case --

4 DAN DORMAN: And that was the concern that
5 I was raising.

6 RANDY SULLIVAN: Yes, but case number 2 isn't
7 so far off what that would look like. Like let's say,
8 what is it, Unit 1 we're worried about? I mean case
9 number 2 is not that far off, you know, about as bad
10 as Unit 1 can do to us at this point.

11 DAN DORMAN: Okay.

12 RANDY SULLIVAN: And case number 3, I mean,
13 I don't --

14 DAN DORMAN: Well, I guess my question on that
15 is go back to the table at the back that talks about
16 the iodine and cesium concentrations.

17 RANDY SULLIVAN: Yes, yes, I'm on it.

18 DAN DORMAN: And you say case number 2 is not
19 that far off. Would we expect that much iodine out of
20 an event right now?

21 RANDY SULLIVAN: Probably less than that, but
22 I mean, you know, what it shows is it's not going to
23 affect Tokyo.

24 DAN DORMAN: Yes.

25 RANDY SULLIVAN: Whatever it does, it's not

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1 going to affect Tokyo.

2 DAN DORMAN: Right.

3 RANDY SULLIVAN: So you know, whether that
4 plume is a bit shorter, I mean, we're not really talking
5 about -- aren't we just interested in Tokyo for the most
6 part, I mean from an American --

7 DAN DORMAN: (b)(5)

8 (b)(5)
9

10 RANDY SULLIVAN: Yes.

11 DAN DORMAN: (b)(5)

12 (b)(5)
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21 RANDY SULLIVAN: Yes

22 DAN DORMAN: -- just when he's looking at those
23 charts.

24 RANDY SULLIVAN: Well, I mean --

25 DAN DORMAN: But that's okay.

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1 RANDY SULLIVAN: -- you know, we learn more
2 every day. I mean, at the time the Chairman made that
3 recommendation, things --

4 DAN DORMAN: Yes, and I explained all that
5 to him.

6 RANDY SULLIVAN: Yes, sure.

7 DAN DORMAN: And I explained all --

8 RANDY SULLIVAN: Yes, you were here. What am
9 I talking about? Weren't you?

10 DAN DORMAN: Right, right.

11 RANDY SULLIVAN: Yes, I mean --

12 DAN DORMAN: -- yes, I was.

13 RANDY SULLIVAN: Yes, so now it don't look
14 so smart. But at the time, you know --

15 DAN DORMAN: Yes, and I explained that to him,
16 and part of the problem I had was that the talking points
17 that went with it.

18 RANDY SULLIVAN: Yes.

19 DAN DORMAN: I could have written those a
20 week-and-a-half ago. But I didn't buy them today. You
21 see what I'm saying?

22 RANDY SULLIVAN: Yes, I don't either, but
23 that's the source term they had.

24 DAN DORMAN: Right, so --

25 RANDY SULLIVAN: They didn't ask us for today's

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1 --

2 DAN DORMAN: Anyway, the bottom line is the
3 DOE person here was having the same difficulty I was
4 explaining this stuff to the Ambassador. And so I had
5 gone back to Marty and said, we're looking at the changing
6 the talking points. And he went back to Steve Aoki and
7 said, look we're looking at changing the talking points.

8 (b)(5)

9
10
11 RANDY SULLIVAN: Whoa. It's a --

12 DAN DORMAN: That ain't what happened.

13 RANDY SULLIVAN: It's a good thing I chimed
14 in.

15 DAN DORMAN: Yes, right, right. So I think
16 what happened was this thing got noodled in the interagency
17 for a week, and that's why it looks like it was written
18 a week ago? But it's got so many high-level people who've

19 (b)(5)

20
21 RANDY SULLIVAN: Hey, well, you know --

22 DAN DORMAN: But I think the bottom line, and
23 why I'm comfortable going forward with it is the bottom
24 line, the purpose of handing this thing over is to engage
25 a dialogue with the Japanese on comparing dose projections.

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1 (b)(5)
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So I'm okay with it if it's --

4 RANDY SULLIVAN: Well, hey, I'm just going
5 to put my valuable contribution here on my resume as
6 just another good job done.

7 DAN DORMAN: Outstanding.

8 RANDY SULLIVAN: Hey, may the force be with
9 you.

10 DAN DORMAN: And with you, thanks.

11 RANDY SULLIVAN: Thank you.

12 DAN DORMAN: Bye.
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(CONFERENCE CALL INITIATED)

KEVIN WILLIAMS: PMT. Kevin Williams.

HEADQUARTERS OPERATIONS OFFICER: Hey, Mr. Williams. This is Headquarters Ops Officer. I'm transferring a NEI representative to you.

KEVIN WILLIAMS: Okay.

HEADQUARTERS OPERATIONS OFFICER: Stay on the line.

KEVIN WILLIAMS: Hello.

RALPH ANDERSEN: Hi. This is Ralph Andersen over at Nuclear Energy Institute.

KEVIN WILLIAMS: Hey, Ralph. This is Kevin Williams.

RALPH ANDERSEN: Oh, hi, Kevin. How you doing?

KEVIN WILLIAMS: Good.

RALPH ANDERSEN: Hey, I just wanted to follow up on, -- I'm in opening the day shift this morning. Wanted to make sure that you got the plant monitoring data that we sent over yesterday.

KEVIN WILLIAMS: Yes.

RALPH ANDERSEN: Okay.

(b)(4)

(b)(4)

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1 (b)(4)

2 KEVIN WILLIAMS: Okay.

3 RALPH ANDERSEN: (b)(4)

4 (b)(4)

6 KEVIN WILLIAMS: Well, I don't know to be honest
7 with you. When I left the other day, not here. I was,
8 on Friday.

9 RALPH ANDERSEN: Okay.

10 KEVIN WILLIAMS: (b)(4)

11 (b)(4)

12 RALPH ANDERSEN: (b)(4)

13 (b)(4)

16 KEVIN WILLIAMS: Yes. I don't know that we
17 are.

18 RALPH ANDERSEN: Okay. All right.

19 KEVIN WILLIAMS: So I'll have to follow up
20 on that here.

21 RALPH ANDERSEN: Okay. (b)(4)

22 (b)(4)

25 KEVIN WILLIAMS: Right.

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1 RALPH ANDERSEN: (b)(4)

2 (b)(4)

3
4 KEVIN WILLIAMS: Right. Is that --

5 RALPH ANDERSEN: If you could call me back
6 and let me know?

7 KEVIN WILLIAMS: Yes. Well, give me your
8 number.

9 RALPH ANDERSEN: Yes. It's (b)(6) --

10 KEVIN WILLIAMS: Yes.

11 RALPH ANDERSEN: (b)(6) --

12 KEVIN WILLIAMS: Yes.

13 RALPH ANDERSEN: (b)(6)

14 KEVIN WILLIAMS: Okay. (b)(6)

15 RALPH ANDERSEN: Right. And what's the best
16 to reach you guys direct? To go through the emergency
17 switchboard or do you have a direct number we can use?

18 KEVIN WILLIAMS: Yes, probably -- hold on.
19 Let me look at this phone. 301.

20 RALPH ANDERSEN: 301.

21 KEVIN WILLIAMS: 816.

22 RALPH ANDERSEN: 816.

23 KEVIN WILLIAMS: 5184.

24 RALPH ANDERSEN: 5184.

25 KEVIN WILLIAMS: That's right.

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1 RALPH ANDERSEN: All right. Great. Thank you
2 very much. You coming on or going off?

3 KEVIN WILLIAMS: I'm coming on and the other
4 guys are in the middle of turn-over, so that's why I
5 wasn't going to interrupt them on that.

6 RALPH ANDERSEN: Okay.

7 KEVIN WILLIAMS: But you want to know whether
8 or not we're going to share this data with the states.

9 RALPH ANDERSEN: Yes, if it's being forwarded
10 onward, I would just like to know that so we know where
11 it's going and what we might hear from.

12 KEVIN WILLIAMS: Yes. Okay.

13 RALPH ANDERSEN: And then I believe we're still
14 on track by tomorrow to have in place routine systems
15 for providing you at least daily updates.

16 KEVIN WILLIAMS: Okay.

17 RALPH ANDERSEN: Okay?

18 KEVIN WILLIAMS: Yes, thank you.

19 RALPH ANDERSEN: All right. Thank you, Kevin.

20 KEVIN WILLIAMS: Bye, bye.

21 RALPH ANDERSEN: Bye.
22
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24
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1
2 (CONFERENCE CALL INITIATED)

3 RALPH ANDERSEN: The Operations Center.
4 Ralph Andersen.

5 KEVIN WILLIAMS: Hey, Ralph, this is Kevin
6 Williams calling from the NRC.

7 RALPH ANDERSEN: Oh, hi, Kevin.

8 KEVIN WILLIAMS: Another thing I wanted to
9 let you to know is the FA (phonetic) received the data
10 and no, we're not sharing it with the states. We're
11 passing it on to EPA.

12 RALPH ANDERSEN: Oh, okay. Very good. Thank
13 you very much.

14 KEVIN WILLIAMS: Okay.

15 RALPH ANDERSEN: Appreciate it.

16 KEVIN WILLIAMS: All right, bye.

17 RALPH ANDERSEN: Bye.
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(CONFERENCE CALL INITIATED)

RALPH ANDERSEN: Ralph Andersen.

DON COOL: Hey, Ralph, this is Don Cool. Good morning.

RALPH ANDERSEN: Hey, Don, how you doing?

DON COOL: Oh, just wonderful. I've the PMT shift for the days here today. I'm calling you from the Ops Center. This is a recorded line.

RALPH ANDERSEN: Great.

DON COOL: I just wanted to follow up a little bit more from the discussion you were having a minute ago with Kevin, just so that I can understand what sort of cooking you're thinking about. Because there's no point in us doing too much, but I look at the initial set of concentrations and things and I'm thinking, well, my brain is having trouble wrapping around cubic meters versus cubic centimeters and different things, and where they are.

So what I'm interested in is pretty much what sort of cooking you're going to be doing so that I can have some notion to pass on to the next shift what they could expect tomorrow.

RALPH ANDERSEN: Right. Stemming from a request last week, which apparently came down through

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1 Office of Science and Technology policy, was to create
2 a mechanism whereby we would be feeding nuclear power
3 plants' environmental radiation managing data that's
4 associated with Fukushima to the federal government.
5 And NRC had called us first, and sent OSTP out to call
6 us to arrange for that. And then the next day EPA called
7 us and told us that OSTP had asked them to work with
8 us to arrange for that.

9 So long story short is here's where we're at.

10 We've, you know, we've talked back with management over
11 there. We've talked back with EPA. We have a website
12 that we hope to go operational with tomorrow, in which
13 the plants will routinely begin, you know, they can call
14 up a template and input the sample data.

15 And the website reflects the types of data
16 that NRC told us that they want. One of your guys had
17 sent us over an email and said, here's what we're looking
18 for. And then EPA was looking for similar but slightly
19 different information.

20 So we've set up a format to try to satisfy
21 both. The idea will be that once it's operational, then
22 you all and EPA and INPO or any others, will simply be
23 able to log into the password protected website, and
24 download the information. And then we'll look at the
25 plants to update at least once a day. What we're

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1 encouraging is that all plants will report, because
2 negative data is as valuable as positive data.

3 DON COOL: Yes, I agree with that. We need
4 to know where we're having hits and where we're not and
5 what --

6 RALPH ANDERSEN: Right.

7 DON COOL: -- and what the distribution pattern
8 is.

9 RALPH ANDERSEN: Right. And so that's, you
10 know, the website itself is pretty well designed. I
11 think they're doing beta testing today and actually doing
12 an incredible job of standing this up on short notice.

13 But that's where we want to be by Monday or Tuesday
14 so that you guys can just go in there as often as you
15 like and mine the data. And then that way we'll all
16 share a common database.

17 DON COOL: Good.

18 RALPH ANDERSEN: And it will all be in the
19 same units. You'll notice on what we gave you, because
20 that information's really extracted out of emails that
21 we got.

22 DON COOL: Yes.

23 RALPH ANDERSEN: So some people were doing
24 picocuries, some doing microcuries, some doing meters,
25 some doing ccs.

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1 DON COOL: That was the immediate thing that
2 drove my eyes crazy with only one cup of coffee so far.

3 RALPH ANDERSEN: Right. And it's really an
4 artifact on whether it's the plant people reporting it
5 or whether it's the environmental people reporting it.

6 DON COOL: Yes, okay, because the environmental
7 folks are operating in their RMPs (phonetic) units, aren't
8 they?

9 RALPH ANDERSEN: Right.

10 DON COOL: Yes, okay.

11 RALPH ANDERSEN: See some of those are from
12 plant people having put monitors near the plant but outside
13 the, you know, upwind and those kinds of things, and
14 then reporting their data. And then some are the
15 environmental folks pulling environmental data from
16 off-site. So that's exactly the reason, right there.
17 It's the RMP and the REPs (phonetic) people trying to
18 talk to each other.

19 DON COOL: Yes. Okay. That makes sense to
20 me now that you've said it. And it helps me understand
21 what you've got. So we can go in and mine the data,
22 you think. But you're not going to be trying to, like,
23 post a map with the readings or anything like that.
24 This is going to be a database that everybody has poured
25 into that --

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1 RALPH ANDERSEN: Yes.

2 DON COOL: -- has the units and stuff sorted
3 out.

4 RALPH ANDERSEN: Yes. And we don't intend that
5 we will be releasing that information publically. And
6 subject to any change in this, we'll probably be
7 communicating the same to NRC and EPA. We should leave
8 it to the specific plants. And, you know, so in other
9 words they're not responding to a formal reporting
10 requirement.

11 DON COOL: Right. That was the whole point
12 of this was this wasn't a formal reporting requirement.
13 This wasn't an NRC, 30-day report under --

14 RALPH ANDERSEN: Right.

15 DON COOL: -- an environmental program or
16 something, but it was a way of trying to get all of the
17 correlation. I think I'm probably the one who's guilty
18 of actually starting this. Several nights ago when the
19 ginay (phonetic) data first came in --

20 RALPH ANDERSEN: Yes.

21 DON COOL: -- and said, gee, we're going to
22 have a problem here before long. And some people
23 remembered voluntary reporting during Chernobyl and some
24 other things.

25 RALPH ANDERSEN: Right.

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1 DON COOL: So that what got the, let's see
2 if the industry can help us with a voluntary set-up.

3 RALPH ANDERSEN: Yes, and I think that's
4 exactly -- we all believe that's the right thing to do.

5 The key is, with our new technology that we didn't have
6 then, what we're trying to do is to take the time to
7 do it in a way that is relatively painless and assures
8 us that there's consistency. And that's why I think
9 this website idea is the way to go.

10 DON COOL: Okay. Good. Appreciate that.

11 RALPH ANDERSEN: So Ellen Anderson is heading
12 our effort up, by the way. I told Ellen to make this
13 her life's work until we've got it in place. So especially
14 tomorrow, she'll probably be in the business of getting
15 this implemented. And then, so she can be your point
16 of contact.

17 DON COOL: Okay, that's good. Yes, I'll be
18 back on days again tomorrow, so --

19 RALPH ANDERSEN: Yes, she's off today, so if
20 you want to give her call tomorrow and see where we are,
21 that'll work fine.

22 DON COOL: That sounds like a plan. What number
23 is she going to be at?

24 RALPH ANDERSEN: She'll be at her mobile number.
25 Let me just --

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1 DON COOL: I've probably even got it tucked
2 away in my Outlook calendar someplace, but --

3 RALPH ANDERSEN: Yes, my guess is that you
4 do from previous conversations. Let me just see quickly
5 if I can get that for you. Got it. It's (b)(6)

6 DON COOL: That was (b)(6)

7 RALPH ANDERSEN: Yes.

8 DON COOL: Good. Okay, thanks Ralph. That
9 helps me understand where we are.

10 RALPH ANDERSEN: Okay. Take care, Don.

11 DON COOL: Okay. How long you going to put
12 in today?

13 RALPH ANDERSEN: I'll be here until about 3:30
14 and then Marty Huggs (phonetic) will be sitting the evening
15 shift, and then we're on call only in the back shift.

16 DON COOL: Okay.

17 RALPH ANDERSEN: So if you need anything give
18 me a call. Want to remind me of your mobile number again?
19 I know I've got it in there, but I also like it when
20 I can see things right in front of me.

21 DON COOL: Oh, let's see here.

22 RALPH ANDERSEN: Or whatever number I should
23 use. I've got 301-816-5184. Does that come into your
24 area there?

25 DON COOL: Yes. That's the phone that is in

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1 the -- that's the Ops Center number here on the PMT Director
2 desk, so that'll work fine.

3 RALPH ANDERSEN: Okay. That's the one I'll
4 use.

5 DON COOL: (Indiscernible) anyway.

6 RALPH ANDERSEN: Yes. If anything, I'll just
7 comment that, you know, what we're working to understand
8 right now are the different radiation measurements that
9 are coming out of there, primarily to understand the
10 radio nuclides involved, and the implications of that.

11 DON COOL: Yes, likewise with what little bits
12 of data we keep assembling.

13 RALPH ANDERSEN: Yes. Now, hey, if you've got
14 another minute, I want to mention something to you.

15 DON COOL: Okay.

16 RALPH ANDERSEN: We're working very hard to
17 create a daily call between, ideally, NRC, EPA, DOE,
18 OSTP and ourselves. You know, we already have data calls
19 with the radiological people that are being productive,
20 good brainstorming and all that.

21 We've contacted OSTP and they've expressed
22 interest, and so I'll be talking to them again on Monday.

23 In fact, we'll probably do an update call with them
24 at 11 o'clock on Monday if they're available. We're
25 working with the assistant director at large over there,

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1 (b)(6)

2 DON COOL: I need to be communicating back
3 to him on a question in just a little while on that.
4 So yes.

5 RALPH ANDERSEN: Yes, and so what our thought
6 was is just because of the different types of
7 (indiscernible) in each of the agencies, our thought
8 was go over the top and come down. But, you know, we
9 feel that we have a lot of information that we want to
10 share. We'd just like to be in a setting where we can
11 -- our thought is have a short agenda each day for a
12 call in which we share all of the information we've got,
13 determine if there's anything we ought to collectively
14 offer our brainstorming ideas on, and then over and out.

15 But that way we're not sitting on data that
16 you guys later would say, god if we had only had that.

17 You're not sitting on some information where when we
18 put that piece in our puzzle we go, hey, by the way,
19 did you look at it this way, where everybody goes, oh,
20 that is an exciting idea.

21 Good example, I would rather we have our
22 collective minds talking about the nature of the water
23 in the turbine buildings at the three reactors to at
24 least reach our collective thinking on what that water
25 means in terms of the radioisotopes in the concentration.

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1 As an example, you know, we're all getting
2 asked, well, so have they breached containment? Well,
3 us radiological people at least can understand the data
4 sufficiently that although we don't jump to a conclusion
5 they breached containment, at least we can say things
6 to each other like, well, that looks like reactor water
7 with damaged fuel to me.

8 So I'm pushing this very hard, Don, to see
9 if we can get this in place.

10 DON COOL: I like --

11 RALPH ANDERSEN: We had asked that in the very
12 early days, but there's an obvious sensitivity from the
13 top that I think we're overcoming now. But that's why
14 I say, the intent is to work a daily status, radiological
15 status and implications call. That would be the name
16 of it. So we would share radiological status as we know
17 it.

18 I mean, there's no state secrets here unless
19 it's coming from CIA. You know, all of the information
20 that we're gaining certainly is because routinely call
21 it for official use only. It'll be called that, and
22 that's fine, but that makes it perfectly fine to share
23 on this type of basis.

24 But that's the model. It's an 11 o'clock call
25 every day for information sharing and then any discussion

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1 of specific topics and then, talk to you again tomorrow.

2 DON COOL: Yes. So what did you call that?

3 Radiological status and --

4 RALPH ANDERSEN: And implications.

5 DON COOL: Oh, implications. I like the idea.

6 And, you know, I can't --

7 RALPH ANDERSEN: I know Marty was very much
8 in favor of it. I just got the sense that, you know,
9 that other people higher in the food chain were just
10 a little bit nervous. But I think it's appropriate and
11 important, because now as you see, you know, if you look
12 at the trend-graph of data availability, we're going
13 from nothing to, we're getting overwhelmed already but
14 we're going to be completely overwhelmed with radiological
15 data over the next week.

16 DON COOL: Yes, yes, and there is no such thing
17 as a FRMAC.

18 RALPH ANDERSEN: Hey, Don, I'm going to have
19 to call you right back.

20 DON COOL: Okay. I appreciate that. Let me
21 know when you --

22 RALPH ANDERSEN: Okay. I'll call you right
23 back. I've got another call.

24 DON COOL: Okay.
25

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(CONFERENCE CALL INITIATED)

MICHELLE HART: PMT. This is a recorded line.

This is Michelle Hart.

HEADQUARTERS OPERATIONS OFFICER: Ma'am, this is the Headquarter Operations Officer. I got a -- will you hang on a second?

MICHELLE HART: Sure.

Hello?

RALPH ANDERSEN: Yes, looking for Don Cool.

This is Ralph Andersen at NEI.

MICHELLE HART: He is away from the desk for the moment. Let me get him.

RALPH ANDERSEN: Thank you.

DON COOL: Hi, Ralph.

RALPH ANDERSEN: Hey, Don. Sorry I had to cut that off. I had another --

DON COOL: No --

RALPH ANDERSEN: -- call coming in that I --

DON COOL: -- we all have lot of calls running around.

RALPH ANDERSEN: Yes. Let me ask you a simple thing. In the given cycle of things that you guys do there, does 11 o'clock conflict with anything else that you're aware of?

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1 DON COOL: I was looking at the list of recurring
2 calls, and it looks like it would work for us.

3 RALPH ANDERSEN: Okay.

4 DON COOL: There are a couple of 11 o'clocks.
5 Our liaison team has one. The reactor safety team has
6 one with an industry consortium, which may be some of
7 your compatriots, not sure. But my protective measures
8 team doesn't have anything, at least on the list that
9 I see.

10 RALPH ANDERSEN: Great.

11 DON COOL: This is the first days that I've
12 done. I've been working mostly evenings, --

13 RALPH ANDERSEN: Oh, okay.

14 DON COOL: -- so I haven't really been paying
15 attention to the day calls. But I think it'll work.
16 So are you setting up the bridge? How is this --

17 RALPH ANDERSEN: Well, --

18 DON COOL: -- do you envision this?

19 RALPH ANDERSEN: Yes, we would be quite willing
20 to host the call. I need to -- (b)(6) had expressed
21 the interest, and in fact said that he, personally, would
22 like to join in. So I'm working back through him, mostly
23 by email --

24 DON COOL: Yes, right.

25 RALPH ANDERSEN: -- to, you know, suggest that

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1 what we should do is make sure that NRC, DOE and EPA
2 appropriate staff are --

3 DON COOL: Right.

4 RALPH ANDERSEN: -- are part of that call,
5 as well. And then, we'll have the INPO, EPRI AND NEI
6 on the call which we're all staffed with industry people
7 right now, so it'll be all the right people talking to
8 each other, ideally.

9 DON COOL: Yes.

10 RALPH ANDERSEN: And again, radiological
11 status and implications. So we just have two agenda
12 items. What new radiological data do we have, and then
13 a brief discussion of any interesting data and what do
14 we think it means.

15 DON COOL: Sounds good.

16 RALPH ANDERSEN: So it just, you know, and
17 I'm thinking it would be no longer than 30 minutes, and
18 less than that if there's not much new to report. But,
19 you know, like I started to say earlier, you and I know
20 that the radiological piece is really just beginning.

21 DON COOL: Yes, we're finally starting to get
22 data. The reactor people will play their little games
23 --

24 RALPH ANDERSEN: Yes.

25 DON COOL: -- but as they stabilize it, our

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1 thing is going to run way for way too long.

2 RALPH ANDERSEN: I agree with that. Not let
3 me offer you a simple teaser. Now we got a request from
4 TEPCO. Basically, our structure for information is
5 direct interface with TEPCO, and then we've got WANO,
6 Association of Nuclear Operators, Asian offices in Toyko.
7 So they're interfaced over there with various parties.

8 And then we're working that connection through
9 INPO. And then, in turn, networking NEI and EPRI. So,
10 you know, our primary data sources, aside from what you
11 find all over the Web, are coming through that mode.
12 And then we have the ability to be asking questions back
13 and forth and stuff.

14 And we are interfacing with the TEPCO
15 representative here in Washington back and forth. As
16 well as JANTE (phonetic), and I don't even remember what
17 that stand for. The J's obviously for Japan. So you
18 know, we've got several commercial contacts here that
19 we're working with.

20 But just so you have a sense of that. An example
21 question that they gave us, they said well, you know,
22 what does the U.S. use for relocation criteria for bringing
23 people back into an area? Because, you know, now they've
24 got people saying they want to go back to their homes.

25 DON COOL: To grab some things, temporarily

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1 or otherwise. Right, right, yes.

2 RALPH ANDERSEN: Yes. And, you know, the
3 interesting thing is, oh, yes, I'll just look that right
4 up in the U.S. book on when can people come back and
5 grab some things in their home.

6 DON COOL: There is nothing.

7 RALPH ANDERSEN: Our page is blank. What
8 happened?

9 DON COOL: There isn't anything, yes.

10 RALPH ANDERSEN: So that's --

11 DON COOL: I know the team the other day was
12 trying to draft up something. I haven't gone to try
13 and find it yet.

14 RALPH ANDERSEN: Yes, likewise. We were doing
15 something similar, extrapolating from de-commissioning
16 criteria and other things. But the key is that in that
17 implications discussion, in my mind it would just be
18 a great opportunity if we've got the collective expertise.

19 One, could know that, hey, here's a topic that's
20 up, and it's an interesting one because there's not a
21 clear-cut answer. And two, it's not going to make sense
22 if the commercial nuclear industry is providing one
23 feedback and the NRC is providing another feedback.
24 Or if we are we ought to at least know why they're different.

25 DON COOL: Yes.

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1 RALPH ANDERSEN: That's where my thoughts
2 process goes.

3 DON COOL: That's a plan. So --

4 RALPH ANDERSEN: So it makes a lot more sense
5 to say, oh, if we're all looking at this, how are we
6 looking at it? We don't have to have the same answer.
7 There could be reasons why we would have different answers.

8 So when somebody asks us on CNN, you know,
9 asks the chairman or asks Marv (phonetic) or somebody
10 like that, how come the NRC number's different, we ought
11 to be able to say, well, there's a reason for that.

12 DON COOL: Yes.

13 RALPH ANDERSEN: You know, instead of looking
14 confused and saying, well, I don't know.

15 DON COOL: Sold.

16 RALPH ANDERSEN: Okay.

17 DON COOL: So I think that's a good idea. Let
18 us know. Either call with the connection or you can email
19 it to pmt12.hoc@nrc.gov.

20 RALPH ANDERSEN: Okay. Let me do that again,
21 pmt --

22 DON COOL: 112 (phonetic) dot hoc --

23 RALPH ANDERSEN: -- hoc@ --

24 DON COOL: -- @nrc.gov, yes.

25 RALPH ANDERSEN: Okay.

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1 DON COOL: That's the computer that sits here
2 on the director's desk where hopefully somebody will be
3 looking at it, and you can give us the information on
4 the set-up for the call.

5 RALPH ANDERSEN: Okay.

6 DON COOL: Whether OSTP sets it, or you set
7 it or whatever, so we know where to dial in to.

8 RALPH ANDERSEN: Yes. Feel free to share all
9 this with whoever you think is appropriate.

10 DON COOL: Oh, I'm planning to.

11 RALPH ANDERSEN: Okay.

12 DON COOL: I'm going to tell our ET folks after
13 a while that discussions with you are leading to this
14 sort of call that OSTP was interested in, and so we plan
15 to join and discuss.

16 RALPH ANDERSEN: Great.

17 DON COOL: And unless they turn me in another
18 direction, we'll proceed that way.

19 RALPH ANDERSEN: Excellent. All right, Don.
20 Take care.

21 DON COOL: Thanks, bye.

22 RALPH ANDERSEN: Bye.
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1
2 (CONFERENCE CALL INITIATED)

3 KEVIN WILLIAMS: PMT. This is a recorded line.

4 Kevin Williams speaking.

5 HEADQUARTERS OPERATIONS OFFICER: Yes, this
6 is the Headquarters Operations Officer. I've got Linda
7 Howell from Region IV on the line and would like to speak
8 to somebody, please.

9 KEVIN WILLIAMS: Okay. Good morning, Linda.

10 LINDA HOWELL: Hi, how are you doing?

11 KEVIN WILLIAMS: Good. This is Kevin Williams.

12 LINDA HOWELL: Yes, hi, Kevin. I mean, Kevin,
13 I just, I didn't want to say anything on the call this
14 morning with the TAs, but there's some media reporting,
15 and it's not clear which unit, that there was a huge spike
16 in radiation levels forcing some workers out. And CNN,
17 well, I guess Fox is quoting 10 million times --

18 KEVIN WILLIAMS: Ten thousand higher than
19 normal.

20 LINDA HOWELL: -- higher than normal.

21 KEVIN WILLIAMS: Yes, I heard that this morning
22 on WPOP.

23 LINDA HOWELL: Okay. So you guys are aware
24 of it and following up?

25 KEVIN WILLIAMS: I will talk to Don Cool about

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1 that.

2 LINDA HOWELL: Yes, I just wanted to make sure
3 that you knew that that was out there in the media, because
4 it may be an indicator of something additional going wrong.

5 KEVIN WILLIAMS: Yes.

6 LINDA HOWELL: Okay? So just a heads up, that's
7 all.

8 KEVIN WILLIAMS: Okay.

9 LINDA HOWELL: All right, thanks Kevin.

10 KEVIN WILLIAMS: Yes. Bye.

11 LINDA HOWELL: Take care.

12 KEVIN WILLIAMS: You, too. Bye.

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1
2 (CONFERENCE CALL INITIATED)

3 KEVIN WILLIAMS: PMT. This is a recorded line.

4 Kevin Williams speaking.

5 HEADQUARTERS OPERATIONS OFFICER: Yes, I have
6 a gentleman from the State Department wanting to talk
7 about iodine-134 and some other isotopes. Connecting
8 him now.

9 KEVIN WILLIAMS: Okay.

10 Michelle?

11 ANDREW LOWSON: (phonetic): Hi, my name is
12 Andrew Lowson and I'm calling from the State Department,
13 Japan Task Force. I just saw a report that apparently
14 TEPCO analysts had mixed up, iodine-134 as cobalt-56.

15 KEVIN WILLIAMS: Can you hold on one second?

16 ANDREW LOWSON: Sure. Thank you.

17 MICHELLE HART: This is Michelle Hart.

18 ANDREW LOWSON: Hi, Michelle. My name is Andrew
19 Lowson. I'm calling from the State Department, Japan
20 Task Force.

21 MICHELLE HART: Uh-huh.

22 ANDREW LOWSON: I was hoping I could talk to
23 you a little bit about the cobalt-56, iodine-134 mix-up.
24 I had just seen that it looks like the half-life for
25 cobalt-56 is a bit shorter. I was wondering if it is,

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1 in fact, cobalt-56 with the significant concentrations
2 in unit 2 instead of iodine-134. Do we know if that would
3 generate any sort of different response, I mean, if the
4 levels are still that high in terms of becquerels?

5 MICHELLE HART: Okay. You're going to have
6 to catch me up, because I didn't hear anything about this
7 at the shift turnover. So I'm not sure what you're talking
8 about.

9 ANDREW LOWSON: Oh, sure. I apologize. Okay.
10 I'm monitoring any sort of nuclear information that's
11 coming in, especially over open press. And TEPCO just
12 mentioned that apparently their analysts had mixed up
13 iodine-134 with cobalt-56.

14 MICHELLE HART: Okay.

15 ANDREW LOWSON: So the incredibly high 10
16 million, you know, times normal levels of iodine-134.
17 Well, in terms of becquerels that activity is, I think,
18 cobalt, from what I can tell, not iodine-134.

19 MICHELLE HART: Okay.

20 ANDREW LOWSON: So they mixed up the isotopes.
21 But what I'm wondering is if that's the case, if it is
22 cobalt-56 that is concentrated at such levels in the turbine
23 rooms, would TEPCO really respond differently? It just
24 seems to me that it would decay perhaps a little bit more
25 quickly.

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1 MICHELLE HART: Right.

2 ANDREW LOWSON: But it's still dangerous, and
3 I'm not sure if that might change their response or how
4 they approach the issue.

5 MICHELLE HART: Would it change their response?
6 I'm not sure it would change their response a lot. They
7 thought it was iodine. Of course, iodine, you know --
8 the cobalt, the wouldn't necessarily need the, you know,
9 the breathing protection that they would for iodine.

10 ANDREW LOWSON: Oh, okay.

11 MICHELLE HART: But I mean, you still need the
12 breathing protection, so it wouldn't change what they
13 would do because there's still iodines in the --

14 ANDREW LOWSON: Okay.

15 MICHELLE HART: -- in the building. So I don't
16 think, from that perspective of changing the response,
17 like whether to go in the building or what --

18 ANDREW LOWSON: Right.

19 MICHELLE HART: -- kind of protection to wear
20 to go in the building.

21 ANDREW LOWSON: Okay.

22 MICHELLE HART: I don't think it would change.
23 I'm not as familiar with cobalt-56, to tell you the truth.

24 ANDREW LOWSON: Okay.

25 MICHELLE HART: You know, I'm mostly an accident

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1 analyst, and so we don't kind of care about cobalt.

2 ANDREW LOWSON: Sure. Okay.

3 MICHELLE HART: So I wouldn't take that as
4 definitive, but just from my initial read of it, I don't
5 think it would change their response necessarily.

6 ANDREW LOWSON: Okay. Now when you say iodine
7 would certainly necessitate a breathing apparatus, is
8 that because it's more of an alpha emitter?

9 MICHELLE HART: Well, no, it's just that the
10 iodine is mostly in a gaseous form.

11 ANDREW LOWSON: Oh, okay.

12 MICHELLE HART: And you know, there's an
13 inhalation dose --

14 ANDREW LOWSON: Sure.

15 MICHELLE HART: -- associated with that, and
16 of course then it gets in your thyroid and causes all
17 kinds of problems.

18 ANDREW LOWSON: Okay. Well, thank you very
19 much for clearing that up.

20 MICHELLE HART: Okay. And your name, again,
21 was?

22 ANDREW LOWSON: My name is Andrew Lowson.

23 MICHELLE HART: Andrew Lowson, okay.

24 ANDREW LOWSON: Correct.

25 MICHELLE HART: Okay.

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1 ANDREW LOWSON: All right. Thank you.

2 MICHELLE HART: Thank you.

3 ANDREW LOWSON: Have a good one.

4 MICHELLE HART: Bye.

5 ANDREW LOWSON: Goodbye.

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(CONFERENCE CALL INITIATED)

DON COOL: PMT. This is a recorded line. Don Cool.

HEADQUARTERS OPERATIONS OFFICER: This is Headquarters Operations Officer. I got a Dr. Wiley from Oak Ridge, Tennessee on the line to speak to someone.

DON COOL: Okay, we'll see what we can do. Good afternoon. This is NRC.

DR. ALBERT WILEY: Yes, I'm Dr. Albert Wiley at REACTS in Oak Ridge, Tennessee. I had a message to call this number to ask for the PMT team.

DON COOL: Okay, well you've got that. Let me check and see who would have left a message for you.

DR. ALBERT WILEY: Okay. It's Steve Aoki at DOE had requested I call them.

DON COOL: I'm sorry. Repeat, please.

DR. ALBERT WILEY: Steve Aoki --

DON COOL: Steve Aoki --

DR. ALBERT WILEY: A-O-K-I --

DON COOL: Yes.

DR. ALBERT WILEY: -- at NNSA had asked me to call this team.

DON COOL: Okay. And what were we supposed to be providing for you, sir?

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1 DR. ALBERT WILEY: Well, I just have a general
2 statement, just some guidelines on how to manage people
3 exposed to radiation in general.

4 DON COOL: Okay. I'm not trying to be --

5 DR. ALBERT WILEY: It's a little more --

6 DON COOL: Help me --

7 DR. ALBERT WILEY: -- complicated than that.

8 It was --

9 DON COOL: Yes, because that really doesn't
10 give me enough to go on because, actually, you folks are
11 one of the folks that we tend to look towards as -- in
12 starting to manage individuals who have received fairly
13 high levels of exposure. But that's -- you said you're
14 with REACTS, right?

15 DR. ALBERT WILEY: I'm Director of REACTS --

16 DON COOL: Yes.

17 DR. ALBERT WILEY: -- in Oak Ridge, Tennessee.

18 DON COOL: Okay. Yes.

19 DR. ALBERT WILEY: Yes, well, that's one of
20 the things we do. We do a number of other things, nuclear
21 radiation technology, radiation triage was mentioned in
22 the email I got.

23 DON COOL: Okay. So given your background,
24 what particular things are you looking for from us at
25 this point?

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1 DR. ALBERT WILEY: Okay. Maybe I should forward
2 you the email that I got. The email that I got was that
3 we were asked to support NRC. And that was why I was
4 calling, to find out what you wanted from me.

5 DON COOL: Can you give me just one second and
6 let me check something with my team folks?

7 DR. ALBERT WILEY: Sure. Yes, it was from --
8 the email came from lia08.hoc@nrc.gov.

9 (Off microphone discussion)

10 MICHELLE HART: Hi. This is Michelle Hart.
11 I'm the Radiological Assessment Assistant Director. Let
12 me see if I can try to help understand what you were asking.

13 DR. ALBERT WILEY: Well, okay. I just got an,
14 you know, email from Steve Aoki who is with NNSA at the
15 Department of Energy.

16 MICHELLE HART: Right.

17 DR. ALBERT WILEY: And I think he's in Japan,
18 now. I'm not sure. But anyway, he had listed things
19 that he, as a result of some consortium call between the
20 people at NRC that requested REACTS assistance and support.

21 That was the request from NRC, for our support --

22 MICHELLE HART: Okay.

23 DR. ALBERT WILEY: -- on medical management
24 of radiation exposures, triage, and --

25 MICHELLE HART: Okay.

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1 DR. ALBERT WILEY: -- nuclear technology.

2 MICHELLE HART: Do you know when this request
3 was from, like what date?

4 DR. ALBERT WILEY: Oh, gee. If I can hang up
5 and -- unfortunately, I'm operating from my BlackBerry
6 and the email is in my BlackBerry, and I'll have to hang
7 up to retrieve the email. But I can do that and call
8 you back.

9 MICHELLE HART: Okay. Please do that.

10 DR. ALBERT WILEY: Okay, let me get some --
11 because you want to know when the request came out.

12 MICHELLE HART: That's right. And if you have
13 information on what specifically was in the request.
14 I mean, if it's just what you told me already, you just
15 verify that that's what it is.

16 DR. ALBERT WILEY: Yes.

17 MICHELLE HART: And who the request originally
18 came from. I mean, if it was directly from Steve Aoki,

19 (b)(5)

20 DR. ALBERT WILEY: Okay. I'll try to find out

21 --

22 MICHELLE HART: All right.

23 DR. ALBERT WILEY: -- and call back in. Okay.

24 MICHELLE HART: And then just --

25 DR. ALBERT WILEY: And your name is -- so I

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1 ask for you, Michelle Hart?

2 MICHELLE HART: Right, in the PMT.

3 DR. ALBERT WILEY: PMT.

4 MICHELLE HART: That's correct.

5 DR. ALBERT WILEY: Okay. All right, I'll do
6 that and I'll call you back.

7 MICHELLE HART: All right. Thank you.

8 DR. ALBERT WILEY: Bye.
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(CONFERENCE CALL INITIATED)

KEVIN WILLIAMS: PMT. This is a recorded line.

Kevin Williams speaking.

HEADQUARTERS OPERATIONS OFFICER: This is the Headquarters Operations Officer. I got a Dr. Wiley on the line. Wants to speak to Michelle.

KEVIN WILLIAMS: Okay, go ahead.

MICHELLE HART: Hello, this is Michelle Hart.

DR. ALBERT WILEY: Yes, this is Dr. Wiley again.

I looked up this email that we talked about. I can give you a little more detail.

MICHELLE HART: Okay.

DR. ALBERT WILEY: The email, there's a chain of emails, but the one that initiated it looks like it came from NRC from LI, capital L, capital I, capital A, 0-8 --

MICHELLE HART: Okay.

DR. ALBERT WILEY: -- H-H-O-C.

MICHELLE HART: Okay.

DR. ALBERT WILEY: And it was sent to capital L, capital I, A-0-6 H-O-C, L-I-A-O-1-H-O-C and Michelle G-O-L-U-V (phonetic) at NuclearEnergy dot gov. Ron Cherry. And let's see, Chuck Canto (phonetic). Can't read my writing.

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1 MICHELLE HART: Okay.

2 DR. ALBERT WILEY: So and the request was to
3 contact this person, and it was signed LT Coordinator.

4 MICHELLE HART: Okay.

5 DR. ALBERT WILEY: And it was as a result of
6 a consortium call held on 3/25. And this email was Sunday,
7 March 27th, the one I just gave you --

8 MICHELLE HART: Okay.

9 DR. ALBERT WILEY: -- at 1:50 a.m.

10 MICHELLE HART: Okay.

11 DR. ALBERT WILEY: But it said, as a result
12 of a consortium conference call on 3/25, 1430, that REACTS
13 had been recommended as the best supporting agency to
14 NRC regarding radiation technology, nuclear technology,
15 effects on human health and medical triage.

16 MICHELLE HART: Okay.

17 DR. ALBERT WILEY: And it requested that we
18 be contacted, and put in contact with NRC.

19 MICHELLE HART: Okay. I wasn't on the
20 consortium call, and I'm not sure that anyone from this
21 table was at that particular time. But we have been getting
22 questions on people who have gotten exposures, you know,
23 what should they do? Should you decontaminate them?
24 We've gotten questions on equipment, for moving of
25 equipment, is it so many times background? Is it okay

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1 to move it? You know, medical treatment of folks who
2 have gotten burns and things like that. I mean, some
3 of that's not our, you know, not our people, but some
4 of it is coming from military folks. It's coming from
5 our team in Japan, and things like that.

6 I don't have any questions for you --

7 DR. ALBERT WILEY: Okay.

8 MICHELLE HART: -- right now. I mean, if that's
9 what you're calling in to find out.

10 DR. ALBERT WILEY: No, I just -- well, no,
11 they requested, my boss, Steve Aoki and then NSA, requested
12 that I contact NRC. That's the only reason I called.

13 MICHELLE HART: Okay.

14 DR. ALBERT WILEY: As a result of the string
15 of emails and the consortium calling me.

16 MICHELLE HART: Okay.

17 DR. ALBERT WILEY: But if you want to -- I can
18 give you my number. You can call me back if you have
19 anything you need help with.

20 MICHELLE HART: Yes, let me take that number.

21 And is the number, I mean are you the contact person
22 for REACTS that we should talk to if we have questions
23 that come up?

24 DR. ALBERT WILEY: Yes, I'm Director of REACTS.

25 MICHELLE HART: Okay, Director of REACTS.

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1 Okay.

2 DR. ALBERT WILEY: And my BlackBerry number
3 -- well, I'm at home. Today's Sunday, so I'll be at home
4 unless you need me. I can go into the office a few minutes
5 away, and call in some people for assistance if you need
6 it --

7 MICHELLE HART: Okay.

8 DR. ALBERT WILEY: -- but my BlackBerry number
9 today is (b)(6)

10 MICHELLE HART: (b)(6)

11 DR. ALBERT WILEY: -- (b)(6)

12 MICHELLE HART: (b)(6) Okay. That is

13 (b)(6)

14 DR. ALBERT WILEY: Right.

15 MICHELLE HART: Okay.

16 DR. ALBERT WILEY: And my office number is
17 865-576-1005. That's our 24/7 number, Oak Ridge
18 Operations Office, and they can get me 24/7.

19 MICHELLE HART: Okay. And your first name was
20 again?

21 DR. ALBERT WILEY: Albert, A-L-B-E-R-T.

22 MICHELLE HART: Albert.

23 DR. ALBERT WILEY: W-I-L-E-Y.

24 MICHELLE HART: Okay. So your office number
25 is 865-576-1005.

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1 DR. ALBERT WILEY: Yes, that's our 24/7 number.

2 MICHELLE HART: Okay. 24/7 number. And we
3 should ask for you --

4 DR. ALBERT WILEY: Yes.

5 MICHELLE HART: --if we need you. Okay. We'll
6 handle it that way. If there's something more specific
7 that we need from you --

8 DR. ALBERT WILEY: Sure.

9 MICHELLE HART: -- we will get back to you.

10 DR. ALBERT WILEY: Sure, yes.

11 MICHELLE HART: All right.

12 DR. ALBERT WILEY: I'm right here.

13 MICHELLE HART: Yes, but I didn't have any
14 specific questions for you at this time.

15 DR. ALBERT WILEY: Okay. Very good.

16 MICHELLE HART: Well, thank you very much.

17 DR. ALBERT WILEY: Thank you. Bye.

18 MICHELLE HART: Yes, bye.
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2 (CONFERENCE CALL INITIATED)

3 AUTOMATED ANNOUNCEMENT: You have reached the
4 United States Department of Energy Operations Center.
5 Your call is being transferred to a DOE watch officer.

6 MALE PARTICIPANT: (Indiscernible) speaking.

7 How may I help you?

8 TIM HARRIS: Hey, this is Tim Harris over at
9 NRC in the Operations Center Protective Measures team.

10 MALE PARTICIPANT: Yes, sir.

11 TIM HARRIS: I was looking for --

12 MALE PARTICIPANT: Do you need to speak to the
13 NIT, Tim?

14 TIM HARRIS: Yes, I think so.

15 MALE PARTICIPANT: Okay. Standby for a second,
16 please.

17 TIM HARRIS: All right. Thanks.

18 DOE WATCH OFFICER: You're welcome. Mr. Harris,
19 you're connected to Keith Nelson.

20 TIM HARRIS: Thanks. Hello.

21 KEITH NELSON: Hi, how you doing? This is Keith
22 Nelson.

23 TIM HARRIS: Hey, Keith. Tim Harris over at
24 NRC --

25 KEITH NELSON: Yes. How can I help you?

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1 TIM HARRIS: -- in the Protective Measures team.
2 In the DOE SitRep, I think it was Page 6, it mentions
3 that NARAC had done intermediate phase PAGs for the super
4 core in possible realistic cases.

5 KEITH NELSON: Yes.

6 TIM HARRIS: Do you know if that's been
7 distributed?

8 KEITH NELSON: I think it's about to. Let me
9 check our inbox.

10 TIM HARRIS: Yes, because I haven't seen it,
11 and talking with the --

12 (Off microphone discussion)

13 KEITH NELSON: Yes, I guess NRC and PMT is asking
14 when we're going to freaking email it out.

15 TIM HARRIS: But it's good to go, right?

16 KEITH NELSON: Yes, we're going to send it out
17 right now. I'll get with our federal team leader, but
18 we have the updated report on U.S. impact for the NRC
19 super core scenario.

20 TIM HARRIS: Okay.

21 KEITH NELSON: So look for that shortly.

22 TIM HARRIS: Okay. And then the intermediate
23 phase stuff? I think this is the one I was looking for.

24 KEITH NELSON: Oh, I'm sorry. The intermediate
25 phase we'll have to -- I'll get with my scientists and

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1 we'll track that down.

2 TIM HARRIS: Okay. If you need to contact me
3 directly, I'm at PMT-12 --

4 KEITH NELSON: PMT-12.

5 TIM HARRIS: -- dot hoc at nrc dot gov.

6 KEITH NELSON: Okay.

7 TIM HARRIS: All right?

8 KEITH NELSON: Yes, thanks.

9 TIM HARRIS: All right, thanks Keith. Bye.

10 KEITH NELSON: Bye.

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(CONFERENCE CALL INITIATED)

MALE PARTICIPANT: NRC Operations Center
Protective Measures Team.

HEADQUARTERS OPERATIONS OFFICER:
Transferring Marie Miller from Japan team, stand by.

MARIE MILLER: Hello?

JOHN TAPPERT: Hello?

MARIE MILLER: Hi, is this Greg?

JOHN TAPPERT: This is John Tappert.

MARIE MILLER: John?

JOHN TAPPERT: Yes.

MARIE MILLER: I'm sorry, I didn't catch
your last name.

JOHN TAPPERT: John Tappert.

MARIEMILLER: Tappert. Oh, very good. You
have Todd Jackson and Marie Miller here. We just got
back from a meeting with some Japanese officials, so
sorry we're late for the 4 o'clock call, our time, here.
Is this an okay time for you?

JOHN TAPPERT: Yes, not a problem.

MARIEMILLER: Okay good. All right, I think
from the message we saw from Greg Casto was that he may
have some thoughts with respect to if there's any advice
that we can give with respect to contamination control.

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6 JOHN TAPPERT: Yes, kind of based on what
7 was sent back and forth early from, I guess,

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10 (b)(5)
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14 MARIE MILLER: Right. And I guess the
15 regiment where they have people come in for four days
16 at a time and then leaving, I mean they're not going
17 to be changing that. So I think is there something that
18 could be done within the confines of where they have
19 a situation where the contamination control is first
20 established, you know, before entering into the evacuation
21 zone? And then, you know, if it appears that the
22 contamination stays on the individuals the whole time
23 until they come out.

24 JOHN TAPPERT: Right. And I think, bottom
25 line, probably the best recommendation would be for them

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1 to have their stuff (indiscernible) or decontamination
2 area or clothing removal area on site as opposed to all
3 the way off site where they end up locating, yes, outside
4 the evacuation area or whatever. That makes good sense.

5 MARIE MILLER: Right. So it could be, I
6 mean obviously they're concerned about contamination
7 controls for the workers for the first (indiscernible),
8 and so it could be that they put on a paper suit just
9 as they travel from, you know, Point A being the entry
10 to the evacuation zone, and then a Point B which would
11 be their true contamination control zone, and then they
12 don the actual PPE for the job at the plant, and then
13 take it off when they're leaving.

14 JOHNTAPPERT: Right. Right. Leave as much
15 contamination behind. And then they can't really monitor
16 there, but then certainly they'd do the frisking (phonetic)
17 once they get --

18 MARIEMILLER: Right. And so then they would
19 have to put on another PPE to, you know, for the rest
20 of the transport, but again it could just be at a much,
21 you know, they're using more supplies but they're
22 controlling contamination.

23 TODD JACKSON: If I could ask a confusing
24 question perhaps, what is the goal and what's the question,
25 or what was the --

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1 MARIE MILLER: Oh I'm sorry. There was the
2 email from John Monninger.

3 TODD JACKSON: I didn't read that one.

4 MARIE MILLER: Oh, you didn't get that one.

5 TODD JACKSON: I got it, but I haven't had
6 a chance to read it.

7 MARIE MILLER: Okay.

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10 (b)(5)
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13 TODD JACKSON: Uh-huh. Look at what they're
14 doing and do we have any thoughts on how we can improve
15 worker safety?

16 MARIE MILLER: And also limit the spread
17 of contamination. So it's worker safety and deposition
18 within, you know, in the environment.

19 TODD JACKSON: And without constraints on
20 the thinking and --

21 MARIE MILLER: Well, the constraint being
22 that it's not an ideal world and that they have limited
23 abilities to do monitoring and screening. So what, if
24 there's a big picture thing that they could do.

25 TODD JACKSON: Do we know anything about

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1 the kinds of contamination hazards the workers are
2 encountering other than we would expect that they'd be
3 pretty miserable? I mean --

4 JOHN TAPPERT: Well, we know the high level
5 of deposition is closer to the site, so they're working
6 on site so they're definitely in --

7 MARIEMILLER: Yes. I mean given the limited
8 in-plant data, I mean you could also have high alpha
9 source terms that we're not even aware of let alone,
10 you know, the --

11 TODD JACKSON: I mean I'm not trying to
12 make it too complicated but I'm wondering if there are
13 considerations like, well, yes, you can do some things
14 to reduce the contamination of workers and their exposure
15 to that, however, when you're doing that you're in a
16 radiation area so you don't want to spend too much time
17 doing that. So waiting and dealing with it, I mean there
18 are lots of things we could do, I guess, like portable
19 showers or portable buildings where you don't have, you
20 know, you keep --

21 MARIE MILLER: Right. That's what I'm
22 thinking was like if there was a possibility just to
23 set up, if you will, an intermediate step-off zone where
24 they would don the heavier PPE and then also after working
25 take that off and don another set for the transfer out.

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1 TODD JACKSON: Where they get showers.

2 MARIE MILLER: Where they get showers.
3 Because then they're not staying long in the plant, you
4 know.

5 TODD JACKSON: Right, right. Well, yes,
6 all those sound like reasonable approaches, and the
7 assumption being if you're inside the zones you're
8 contaminated.

9 MARIE MILLER: Right.

10 TODD JACKSON: And, you know, don't worry
11 about the monitoring. I think what you'd said was --
12 I'm sorry, who's on --

13 MARIE MILLER: John Tappert.

14 TODD JACKSON: John. I'm sorry, John.

15 JOHN TAPPERT: No.

16 TODD JACKSON: You know, John had said some
17 things about, what you were talking earlier.

18 MARIE MILLER: Well, just, you know, the
19 stuff was (indiscernible) on site rather than, you know,
20 at the 20-km boundary.

21 TODD JACKSON: Right, and not spreading
22 contamination. So that means you're going to have to
23 do something about changing clothes. Getting clothes
24 on the way in and taking them off and switching on the
25 way out.

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1 MARIE MILLER: Yes. I think what we would
2 say is that it would still PPE. There basically would
3 be burning through --

4 TODD JACKSON: Lots of PPE.

5 MARIE MILLER: -- more PPE, but it might
6 not have to be to the same level. It would be just an
7 outer level that they're wearing and respirator, you
8 know, the respirator and PPE.

9 TODD JACKSON: Yes, I mean depending on
10 the amount of contamination, respirators are varying
11 --

12 JOHN TAPPERT: (Indiscernible).

13 TODD JACKSON: -- qualities of respirators

14 --

15 MARIE MILLER: Uh-huh.

16 TODD JACKSON: And John, you had said
17 something about that background and not being able to
18 monitor. I certainly agree with you there, so you have
19 to make the assumptions about contamination and you
20 monitor further out maybe.

21 JOHN TAPPERT: Well, you assume they're
22 contaminated.

23 TODD JACKSON: Yes.

24 JOHN TAPPERT: So just like you're crossing
25 a step-offpad, you take off your external layer or whatever,

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1 or you change out clothes, put them in like you said,
2 the paper suits. You go out to where you can monitor
3 and then that's where you do your ultimate contamination
4 control.

5 MARIE MILLER: Okay.

6 TODD JACKSON: But I guess what I'm really
7 struggling with is what are they doing now? Is there
8 anything we can do to help, or are we just kind of thinking
9 out of the blue how we would do it if we were in there,
10 because I don't know what they're doing at all.

11 MARIE MILLER: Well, we do. That's what
12 the email said, that they put the people in contaminate,
13 their PPE --

14 TODD JACKSON: I should read it before I
15 open my mouth, sorry.

16 MARIE MILLER: No, that's okay. It's real
17 simple. They put their PPE on before they get on the
18 bus, then they ride the bus the 20 kilometers in. They
19 stay there and work --

20 TODD JACKSON: Okay.

21 MARIE MILLER: -- for four days. They don't
22 take anything off. And then they get back on the bus
23 in their contaminated PPEs and then they change out before
24 they cross over the boundary.

25 TODD JACKSON: Okay.

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1 MARIE MILLER: So the concern is, you know,
2 the bus and everything else is getting contaminated and
3 --

4 TODD JACKSON: So they're being exposed
5 while they're sleeping.

6 MARIE MILLER: Right, and eating.

7 TODD JACKSON: Well, that certainly sounds
8 like something that could be addressed to reduce their
9 exposure. I mean I'm assuming that there's enough
10 contamination that they're actually getting exposure
11 just because they're contaminated.

12 MARIE MILLER: Right. They probably are
13 putting on -- I mean we don't know what they're doing
14 in the plant with regards to gloves. They probably are
15 putting on another glove or whatever. But I think it's
16 worth exploring with the company what they're doing and
17 then just bringing that topic up.

18 I think that's the question that John had.
19 Is it something that we should bring up, you know, as
20 far as the issue? And I think what we're in agreement
21 from a protective measures standpoint is that this could
22 be significant contamination workers that are traveling,
23 you know, long distances from the higher level areas
24 of contamination, and basically it's a radiation worker
25 protection issue as well as a spread of contamination

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1 issue.

2 JOHN TAPPERT: Yes, that's a good point to
3 bring up, because certainly the levels of deposition
4 on site are enough to contribute to those all the way
5 out to and from the site.

6 MALE PARTICIPANT: I guess the long and short
7 of it is that, you know, we think the Naval Reactors,
8 Mr. Mueller, has had some decent observations. They
9 probably can't all be implemented. But he also had some
10 other comments about breathing apparatus and wet suits
11 for beta control and stuff like that.

12 So I don't know if they can do any of those
13 things, but I think it's worth having a conversation
14 to just kind of share those observations and let the
15 company do what they think is best.

16 MARIE MILLER: Right, right.

17 TODD JACKSON: And if they are actually
18 encountering strontium, I mean we've had a lot of
19 discussions about that, there are a lot of different
20 things they should be doing. Because strontium beta
21 will cause a lot more problems. I mean, and some of
22 our discussions have been, what was done at TMI? Sorry
23 --

24 JOHN TAPPERT: Have they've done sampling
25 to know what they've got as far as an isotopic mix?

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1 TODD JACKSON: We don't know.

2 MARIE MILLER: That's the other issue we
3 are pressing to try to get some more in-plant data, because
4 it's very limited as far as, you know, in-plant data
5 other than exposure rate data.

6 TODD JACKSON: But some of the things that
7 were done at TMI when the strontium appeared were some
8 very heavy firemens' boots, for example, because the
9 energy of the beta is enough to penetrate most PPE, so
10 these were different kinds of boots, heavy gloves, rubber
11 gloves, and eye goggles because lens of the eye became
12 an issue.

13 JOHN TAPPERT: Right. Yes, you're doing
14 all the beta protection measures, yes. And yes, I guess
15 you could take it from the standpoint that if you don't
16 know then you do that, if you suspect it and don't know,
17 but it sure would be nice to get some better information
18 on what they're encountering.

19 TODD JACKSON: Another aspect. If these
20 guys are living in contamination how are they monitoring
21 them. You know, the dosimetry's going to get contaminated
22 too so how are they going to know what these guys being
23 exposed to?

24 JOHN TAPPERT: Yes, and in fact if you read
25 the email it appears that they're only using the

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1 self-reading dosimeters, so they're only seeing gamma,
2 yes, as far as what they're --

3 TODD JACKSON: Right. And another thing
4 that it ended up being in the mix at TMI, when people
5 were going into the plant, I mean let's say you went
6 down a valve alley and the lines that were hot were over
7 your head.

8 Well, they ended up doing multiple dosimetry
9 for the workers because the beta, you know, the gradient
10 is so much steeper than it would be for gamma. So if
11 the head was near the pipe then the exposure might be
12 significant and the feet might not get a whole lot.
13 But if they're walking in contaminated water, the feet
14 need dosimetry where you might not need it as much on
15 the head, but the only way you know that is multiple
16 dosimetry.

17 JOHN TAPPERT: Yes. And, you know, that
18 might be a function of what they're --

19 TODD JACKSON: Able to do.

20 JOHN TAPPERT: -- able to do too.

21 TODD JACKSON: Yes, understand. I mean I
22 throw it in --

23 JOHN TAPPERT: If they're not using TLDs
24 and they're just using self-readers, then that kind of
25 leads you to believe that --

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1 TODD JACKSON: They don't know the --

2 JOHN TAPPERT: it's limited as far as how
3 well they monitor a personnel dose.

4 MARIE MILLER: Yes, there was a statement.

5 We had a meeting with some health folks and there was
6 a statement made by a U.S. representative saying, oh,
7 well, I'm sure there will be worker dose reconstruction.

8 [REDACTED]
9 (b)(5)

10 [REDACTED]
11 TODD JACKSON: [REDACTED]

(b)(5)

12 [REDACTED]
13 (b)(5)

14 MARIE MILLER: Yes. So it looks like it
15 would be worth bringing up to the -- well, there's actually
16 a health effects committee group and that may be a way
17 to get some attention to this subject as well.

18 TODD JACKSON: Right.

19 MARIE MILLER: All right, so we'll go ahead
20 and, basically the team here, we just wanted to bounce
21 that back making sure that we weren't, you know, being
22 too sensitive to an area. and it seems like it's certainly
23 worth going forward with, you know, recognizing that
24 there's some, obviously, limitations but there are some
25 simple things that while may cost additional supplies
it will definitely go a long way.

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1 MALE PARTICIPANT: Yes. I mean, you know,
2 it is their issue to deal with, but if we can present
3 the comment that it's (indiscernible) constructive manner
4 as something for them to think about, I think that's
5 probably the best approach.

6 MALE PARTICIPANT: Yes.

7 MARIE MILLER: Okay.

8 JOHN TAPPERT: Are you dealing directly with
9 the company, you working through NISA or how's that
10 working?

11 TODD JACKSON: We have people on the Reactor
12 Safety Team who have been talking directly with the
13 company.

14 JOHN TAPPERT: Okay.

15 MALE PARTICIPANT: But they have not been
16 talking about worker protection issues as far as I know.

17 MARIE MILLER: Right.

18
19
20 (b)(5)
21
22 But we have asked Tony Nagasaki

23 (phonetic), is that his name?

24 TODD JACKSON: Nakashima (phonetic), I
25 think.

1 MARIE MILLER: Nakashima, who's on the NRC
2 team to try to get us some more plant data, because it's
3 very limited. And so we've just made that request today.

4 JOHN TAPPERT: Okay.

5 TODD JACKSON: Boy, you know, I'm just sort
6 of scanning through this email while we're talking, I
7 mean the email seems to be right on for all those things.
8 I mean those are real concerns. I can't imagine trying
9 to sit through a job briefing --

10 JOHN TAPPERT: Right, right, and plant --

11 TODD JACKSON: -- and contamination.

12 JOHN TAPPERT: Although if they're on site
13 for four days then that briefing probably changes. But,
14 you know, certainly they could do as much as practical
15 out at the 20-mile or the 20-kilometer point versus on
16 site.

17 MARIE MILLER: Okay. All right, well,
18 thanks for taking a look at that and we'll move forward
19 on that. I'm going to kind of change topics on you now.
20 We met with NISA and then JNES, which is like the technical
21 implementing group for the regulatory arm. And they
22 have --

23 TODD JACKSON: Both of which are under MEXT.

24 MARIE MILLER: Yes, both of which are under
25 this MEXT.

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1 TODD JACKSON: M-E-X-T.

2 MARIE MILLER: M-E-X-T, the Ministry
3 Economic and Trade or --

4 JOHN TAPPERT: Right, yes.

5 MARIE MILLER: Yes. Okay, anyway -- sorry.

6 The people we met with are tasked with two tasks,
7 evaluation of contamination levels, studying evaluation
8 criteria and implementation of decontamination. That's
9 one task. And then the next one is implementation of
10 residents' return, monitoring plan for residents. So
11 basically your ingestion (phonetic) pathway activities
12 and preparations for recovery activities.

13 So we shared a lot of data both hard copies
14 and Todd prepared some discs. We invited DOE. DOE was
15 there as well, and it was, if you will, a first meeting
16 just to get them started in the direction.

17 And we focused on, you know, the fact of
18 a need to set up (indiscernible, possibly derived)
19 investigation levels, and DOE talked about the monitoring,
20 if we could have a more sharing of data -- this is DOE's
21 request. A more sharing of data on what they know about
22 deposition now, then that could help map out the strategies
23 that then they would develop for their next phases as
24 they enter.

25 And they mentioned that while they did have

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1 monitoring stations that would have had particulate
2 activity being measured, with power being out they've
3 lost that capability. So all they have out in the field
4 right now is gamma monitoring. But apparently, is it
5 tomorrow, they're going to start with a vehicle going
6 in and doing, you know, the air sampling and particulate
7 sampling within the 20-kilometer area.

8 TODD JACKSON: The particulate and iodine.

9 MARIE MILLER: Yes, particulate and iodine,
10 excuse me. They just say dust, you know, and then for
11 clarification Todd made sure they said particulate and
12 iodine. So there should be some more data coming in
13 and that might be useful also to us from a standpoint
14 of supporting some of the modeling that's being done.

15 JOHN TAPPERT: You know, one thing that's
16 been absent the whole time is some plume monitoring,
17 some active plume monitoring. Because there's still,
18 we can assume there's still releases although they may
19 be moderate compared to what they used to be coming from
20 the plant.

21 We have not seen any plume representation
22 as far as air samples and periphery dose rates and that
23 kind of thing that we could use to actually model a realistic
24 source term coming out of the plant. Anybody dealing
25 with that? I mean that's kind of a no-brainer here.

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1 We would be seeing that from our licensees and from states
2 and locals.

3 TODD JACKSON: Right. We've been trying
4 to get a handle on that today, and can only tell you
5 our impressions at this point. There are lots of people
6 out there collecting data and a lot of it is on the Web.

7 But it's large numbers of Websites with large numbers
8 of data without necessarily a lot of detail like on
9 locations, that it's by prefecture and then by monitoring
10 point.

11 And at this point I don't really know where
12 these monitoring points are. I haven't seen any maps.

13 I haven't seen any kind of a cohesive collection of,
14 you're talking about like utility people that we go out
15 and report back to an EOF, right?

16 JOHN TAPPERT: Yes, kind of like that but
17 focused on monitoring a plume not deposition.

18 MARIE MILLER: You're finding that the plume
19 width and the boundaries of the plume. Yes, well, I
20 think part of that is the predominant, you know, plume
21 is out to sea.

22 JOHN TAPPERT: No, not true. I mean --

23 MARIE MILLER: I mean, well, we know now,
24 I mean we know that there was wind, to the northwest
25 that there was deposition and it also was in another

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1 sector. But I guess today the direction was out to sea.

2 TODD JACKSON: But the kind of thing that
3 we're talking about at least in the U.S. power plant
4 is usually at the EOF and you can go and you look at
5 all the data coming in.

6 (b)(5)

7
8 JOHN TAPPERT: Right. Well, you've got the
9 MEXT monitoring teams and we've seen that data for days.

10 MARIE MILLER: Right.

11 TODD JACKSON: Yes, from their website,
12 right?

13 JOHN TAPPERT: Right. But that's all
14 deposition. Even though there's been an opportunity
15 to do some plume monitoring even recently, we're not
16 getting any of it. We're getting the one meter high
17 gamma dose rate which is just monitoring deposition.

18 MARIE MILLER: Right, and I think that's
19 what they're saying that tomorrow they're going to start
20 having vehicles go in to the 20-kilometer area and start
21 doing that type of monitoring. So that is just going
22 to start.

23 JOHN TAPPERT: Yes. So they're going to
24 be, but are they going to be purposely following a plume
25 or they're just going to go out and take air samples

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1 of an upwind area where they're just looking for
2 resuspension of deposition? Do they even know what
3 they're going to --

4 MARIE MILLER: Yes. We can raise that.
5 That would be a good thing that we'll have.

6 TODD JACKSON: Well, you did specifically
7 say that we would be interested in the results of that,
8 right?

9 MARIE MILLER: Yes.

10 TODD JACKSON: That, you know, we'll see
11 what we got.

12 MARIE MILLER: But I think if we could --

13 TODD JACKSON: I know they've been posted.
14 They've been posting a lot of their data. I wouldn't
15 be surprised if they post that.

16 MARIE MILLER: Right. But what I'm hearing
17 here is we should try to, if we're in an advisory kind
18 of role, mention well, we understand that you'll be doing
19 that. Is there a specific plan for confirming the
20 projected plume? Is that what you're saying?

21 JOHN TAPPERT: Yes.

22 MARIE MILLER: Right.

23 JOHN TAPPERT: Even, you know, you can't
24 model what's already happened.

25 MARIE MILLER: Right.

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1 JOHN TAPPERT: But there's still certainly
2 the opportunity for an off site release or more significant
3 off site releases. So if they set up provisions where
4 they can start monitoring an active plume then we'll
5 have much better information and they will have much
6 better information where they can determine TEDE and
7 CDE dose to their population.

8 MARIE MILLER: Well, I think there still
9 is a plume.

10 JOHN TAPPERT: Well, there would be.
11 There's still some levels of releases coming out of that
12 plant.

13 MARIE MILLER: Right, right. So they can
14 actually, you know --

15 JOHN TAPPERT: But no one's modeling it.

16 MARIE MILLER: No one's modeling it, right.

17 JOHN TAPPERT: No one's taking actual air
18 samples of a downwind plume, and they could do that.
19 All it seems like we're getting is just gross gamma dose
20 rates. Are you there?

21 TODD JACKSON: Yes, we're here.

22 JOHN TAPPERT: Okay. They clicked, we were
23 afraid we lost you.

24 TODD JACKSON: We're not aware of data like
25 that. We haven't seen the data either, but I don't feel

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1 like that necessarily gives me confidence that it isn't
2 happening at all. We don't know.

3 JOHN TAPPERT: Is it a question we could
4 ask?

5 MARIE MILLER: Oh yes. I mean we have.

6 JOHN TAPPERT: Okay.

7 MARIE MILLER: But that doesn't, I think
8 that there's so many parties involved that perhaps the
9 people that we're talking to may not know. So I think
10 that what we'll do is that we'll raise that as a key
11 next step to support, you know, the decisions that they've
12 made with respect to protective action guidelines. And
13 then also for, this will also be of assistance as they
14 prepare for their next steps with respect ingestion
15 analysis and recovery.

16 TODD JACKSON: And just to be sure that I
17 have a clear understanding, you know, they're out making
18 the direct radiation measurements and those would capture
19 data if they were moving through the plume, but you can't
20 tell the difference between deposition and the plume
21 if it's just the direct radiation monitoring, right,
22 so we're talking about particulant and iodine samples.

23 JOHN TAPPERT: Maybe you could. Open and
24 close window reading.

25 TODD JACKSON: Well, yes. That's another

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1 good example, yes.

2 JOHN TAPPERT: Would be simple. At least
3 give you an idea. And then you'd take some air samples.
4 You'd try to determine some center line value --

5 TODD JACKSON: Before you take the air sample,
6 right.

7 JOHN TAPPERT: Oh yes, unless you know, for
8 instance, you're two miles from the plant you're downwind,
9 they're venting.

10 TODD JACKSON: You could assume you're in
11 the plume then.

12 JOHN TAPPERT: You're somewhere in a plume,
13 you know. So certainly something to give you some isotopic
14 spectrum would be good and then we could make some good
15 assumptions maybe, or certainly better assumptions.

16 MARIE MILLER: (Indiscernible) germanium
17 detector that they're offering, what is that going to
18 be used for?

19 TODD JACKSON:

20
21 (b)(5)
22
23

24 JOHN TAPPERT: Yes, well, they would use
25 them for that isotopic analysis.

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1 TODD JACKSON: Yes, understood, but we don't
2 know where or what samples they're planning to use it
3 for or anything like that.

4 JOHN TAPPERT: Oh.

5 MARIE MILLER: Yes. I'm just saying that
6 it could be that they're thinking that way because they've
7 made that request, but we're really not sure. So I think
8 there's two things. I think there's a need to (phonetic)
9 to say that, you know, we understand that they're going
10 to start doing some of the vehicle surveys and doing
11 the air sampling, and so the plan that should include
12 some provisions for trying to determine the boundaries
13 of the plume and trying to do some confirmation with
14 that then to try to confirm from their dose modeling.

15 JOHN TAPPERT: Uh-huh, yes.

16 TODD JACKSON: Do we know if Naval Reactors
17 people have been, do we know any of that information?

18 MARIE MILLER: Outside of 20 miles for, and
19 then they've been out to sea and they have some --

20 TODD JACKSON: Okay, because there's on the
21 ground field teams, but they're not going any closer
22 than that, right?

23 MARIE MILLER: Right.

24 MALE PARTICIPANT: Yes, we've got some stuff
25 from the Navy and (phonetic) had some aerial monitoring

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1 which has given us that --

2 TODD JACKSON: And they're doing spectral
3 analysis on all their flights, I think, right?
4 (Indiscernible) their focus is ground then.

5 JOHN TAPPERT: Yes, they seem to be focusing
6 on just certain isotopes.

7 TODD JACKSON: Yes, they are. But they said
8 they're doing spectral analysis as they fly. Maybe
9 they're just reporting what they see, I don't know.

10 JOHN TAPPERT: Yes. Yes, we've gotten --

11 TODD JACKSON: They should be able to see
12 it.

13 JOHN TAPPERT: Right, some very limited
14 information, a little after the fact (phonetic).

15 MARIE MILLER: Okay, we'll raise that with
16 Dan Dorman to raise that at the (indiscernible, possibly
17 NRHC) meeting. Today the chairman was here, it was from
18 a standpoint of individual team members there was other
19 than just a quick hi that was all our interactions.

20
21 (b)(5)
22
23

24 TODD JACKSON: At that routine meeting.

25 JOHN TAPPERT: Okay.

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1 TODD JACKSON: Routinely scheduled
2 non-routine meeting.

3 JOHN TAPPERT: Yes.

4 MARIE MILLER: And there will be a press
5 release issued by both the NRC and the Japanese government
6 announcing that there was this meeting today.

7 JOHN TAPPERT: Okay.


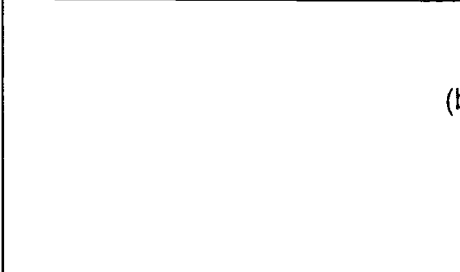
8 MARIE MILLER: Anything else? I guess the
9 one thing, is it Mike Nesser (phonetic)?

10 TODD JACKSON: Noska, Mike Noska.

11 MARIE MILLER: Noska, from FDA is arriving
12 here.

13 TODD JACKSON: And his expertise is in
14 agricultural product controls and dealing with those
15 kinds of problems.

16 JOHN TAPPERT: Okay.

17 MARIE MILLER: 
18 
19 (b)(5)
20
21

22 JOHN TAPPERT: Okay.

23 TODD JACKSON: And then there was another
24 guy coming that they mentioned as well. His name was
25 Steve Simon (phonetic). I'm looking for who he is

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1 everywhere.

2 JOHN TAPPERT: Marie, back on the -- so we're
3 doing samples of produce?

4 MARIE MILLER: We're not.

5 TODD JACKSON: Are Naval Reactors doing any
6 of that?

7 MARIE MILLER: I don't know. I'll have to
8 look.

9 TODD JACKSON: I mean there's been
10 monitoring going on. That's where they've identified
11 I-131 and --

12 JOHN TAPPERT: Right, right. I was seeing
13 some things from the Japanese and the press and stuff
14 like that. I was just writing notes. I wasn't even sure
15 I was tracking. So this password-protected database
16 is going to be populated by the Japanese with their data
17 or --

18 TODD JACKSON: No, this is DOE.

19 MARIE MILLER: DOE's. All the measurements
20 that DOE is taking will be shared with the Japanese and
21 given to them.

22 JOHN TAPPERT: Okay. (Indiscernible) too?

23 MARIE MILLER: And I'll ask the question
24 about whether or not there's anyone doing the vegetation
25 sampling.

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1 TODD JACKSON: And Steve Simon who is coming,
2 I don't know who he works for but he's apparently NHP
3 (phonetic) and has worked with the RERF in the past,
4 so he has some things to contribute. Perhaps a big
5 contribution will be his existing relationships with
6 Japanese counterparts too.

7 One of the people at that meeting yesterday,
8 Nagatakisan (phonetic) a former chair of the RERF at
9 the time that Chernobyl was happening, so a lot of expertise
10 and experience.

11 JOHN TAPPERT: And it's interesting.

12 MARIE MILLER: And we've been asked to sit
13 in on the health effects meeting tomorrow again so we'll
14 be sitting in on that meeting as well. Again, not making
15 any commitments, but I would anticipate is that we will
16 be asked.

17 TODD JACKSON: In which case we will get
18 back to you all there describing all of the needs and
19 expectations.

20 JOHN TAPPERT: We look forward to that.

21 TODD JACKSON: As do we.

22 JOHN TAPPERT: Is there anything we can do
23 to support you now?

24 TODD JACKSON: We're still struggling.

25 MARIE MILLER: Oh no, I'm sorry. There was,

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1 right before I came in this meeting apparently there
2 was a request by the Japanese government to evaluate
3 the SPEEDI data as to whether or not, you know, that
4 we had any concerns with respect to the modeling that
5 they did do with respect to the SPEEDI data.

6 So I don't know if that was something to
7 DOE or NNSA or the National Security Council's taken
8 on or is that NRC's. It was just out there as a general
9 line item in a list that the State Department had.

10 And I just said, I knew that Dan Dorman had
11 asked for, I guess, two days ago for a look at whether
12 or not our RASCAL runs were in line with the SPEEDI runs
13 and I believe, you know, someone came back and just said
14 yes, that they seemed to be comparable. But I
15 don't know, I thought that was Dan Dorman asking that
16 question not the Japanese government, so it's a little
17 more formal. Can we make that more formal, our reply
18 to that?

19 JOHN TAPPERT: I think we heard that and
20 we responded, looking over at Lou Brandon. Did we respond
21 back a couple days?

22 LOU BRANDON: Yes, we responded back to Dan
23 two nights ago.

24 JOHN TAPPERT: Okay.

25 (Indiscernible)

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1 JOHN TAPPERT: Just a standard, almost like
2 a galfean (phonetic) plot.

3 (Indiscernible)

4 JOHN TAPPERT: Right. Yes, we've been
5 looking at the SPEEDI data and we've been analyzing it.

6 And then the plots that come across, they're basically,
7 are you familiar with the old galfean (phonetic) isopleths
8 that used to be used at the plants way back when?

9 MARIE MILLER: Yes.

10 JOHN TAPPERT: Okay, that's what this is
11 similar to, where you take a standard activity and you
12 plot it out and you get --

13 MARIE MILLER: Almost like based on a reg
14 guide analysis, a reg guide recommended method, I think?

15 JOHN TAPPERT: Reg guide.

16 MARIE MILLER: Like one the reg guides for,
17 you know, just plume --

18 TODD JACKSON: Yes, we're familiar with it.

19 JOHN TAPPERT: All right. And so you can't
20 really compare unless you know a source term to compare
21 it to, and it's strictly straight line, downwind
22 references as opposed to the actual MED (phonetic) and
23 everything that goes along with that.

24 TODD JACKSON: I mean if the model is
25 calculating a plume then it's calculating concentrations

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1 at coordinates.

2 JOHN TAPPERT: Right. But those SPEEDI
3 reports that you get don't, the data that we get don't
4 give you those source terms, it just gives you one becquerel.

5 So that doesn't tell us anything because we don't know
6 what that source term is that you would plug into the
7 isopleth. They can't compare that to RASCAL where we
8 have either an assumed or an actual source term that
9 we use and then plot out.

10 MARIE MILLER: You kind of lost me, because
11 I haven't looked at that data.

12 JOHN TAPPERT: That's something that we
13 wrote up and gave to Dan a couple nights ago.

14 MALE PARTICIPANT: Why don't we just forward
15 it to her?

16 JOHN TAPPERT: Yes, is that an email that
17 we can forward?

18 MALE PARTICIPANT: Yes.

19 JOHN TAPPERT: Okay, we'll forward it to
20 you.

21 MARIE MILLER: Okay.

22 MALE PARTICIPANT: All right.

23 MARIE MILLER: Thank you.

24 TODD JACKSON: You had asked about anything
25 else that we could use. We're still trying to come to

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1 grips with all the data and where to get it, but it sounds
2 like the aerial monitoring people from DOE are collecting
3 it all and one of the products that they're putting out
4 they said are like isodose plots, not plume monitoring
5 but again ground deposition understood.

6 JOHN TAPPERT: Oh.

7 MALE PARTICIPANT: The color pictures.

8 JOHN TAPPERT: Oh, yes. Yes, just the AMS
9 flights.

10 TODD JACKSON: Right. Are we getting those
11 plots --

12 MARIE MILLER: Yes, yes.

13 TODD JACKSON: -- okay.

14 MARIE MILLER: We're not getting them
15 electronically. You know, each day if you want to look
16 at it they have it. But there's nothing remarkable at
17 this point.

18 JOHN TAPPERT: Right.

19 TODD JACKSON: All right. Well, they also
20 said that that data is then feeding NARAC who are producing
21 other plots. Are we seeing those kind of things?

22 MARIE MILLER: Well, that's the NARAC run
23 that I guess which are, the NRC's aware. I mean you
24 guys have seen those and you've worked with those and
25 --

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1 MALE PARTICIPANT: Yes, I mean we've seen
2 some NARAC products but we've been feeding them source
3 terms and they've been spitting out some of their analysis.

4 But I'm not sure they're benchmarking with AMS are they?

5 JOHN TAPPERT: Right, yes. No, the AMS is
6 just deposition. We're not aware of anything where NARAC
7 has taken deposition, particularly in that northwest
8 quadrant, and gone back and tried to recreate a source
9 term that came from that. We haven't seen anything like
10 that.

11 MARIE MILLER: Just today when we were up
12 there it looked like that's what they were trying to
13 attempt to do and they were looking for a few more monitoring
14 points, you know, to that. So I mean that I think is
15 Todd's question, is the different NARAC products we're
16 not seeing, are you seeing them at your level?

17 JOHN TAPPERT: If they're doing that we're
18 not seeing it.

19 MALE PARTICIPANT: Yes. The last one we
20 got was the March 25th, I think.

21 JOHN TAPPERT: Yes, and that was just a
22 flyover. Oh.

23 MALE PARTICIPANT: For the NARAC.

24 JOHN TAPPERT: For NARAC, yes. And NARAC's
25 just taking the source term that we determine and then

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1 plotting a plume out from that, not taking any actual
2 data and trying to --

3 MARIE MILLER: I think that's what they're
4 trying to do now.

5 JOHN TAPPERT: Yes, we'd be interested.

6 MALE PARTICIPANT: Yes, we haven't seen that
7 product if they've --

8 MARIE MILLER: All right, I'll take that
9 as an action because that's what they --

10 TODD JACKSON: Whose product?
11 (Indiscernible).

12 MARIE MILLER: No, NARAC's trying to get
13 the aerial measurements and some monitoring point data
14 to confirm the model.

15 TODD JACKSON: Understood.

16 MARIE MILLER: Okay. All right, we'll take
17 that as an action then.

18 TODD JACKSON: If you see anything coming
19 out of NARAC for any of those products, we're interested.

20 MARIE MILLER: And we heard that the National
21 Security Council is controlling NARAC at this point.
22 That's what the DOE rep said, that as far as what they
23 want is coming at that level.

24 MALE PARTICIPANT: [REDACTED]

(b)(5)

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2 MARIE MILLER: Right, right. That's
3 apparently, because it was just a, well, today's goal
4 for Todd and I is we were trying to understand what data
5 is out there and I mean recognizing that we're new to
6 the second team here coming in, so just trying to understand
7 what data is out there and who's doing what with what
8 data. And so that's how that came up in that conversation
9 and just trying to see how it's all piecing together.

10 And I was surprised to hear that because
11 I thought that, you know, that's something that NRC could
12 direct NARAC or DOE, but I guess it's because we're in
13 a different country that that's not necessarily the case.

14
15 (b)(5)

16 MALE PARTICIPANT: Yes. And there's lots
17 of sensitivities.

18 TODD JACKSON: We thought she would believe
19 you (phonetic).

20 MARIE MILLER: So I think that's all we have.

21 JOHN TAPPERT: Okay. Well, we're here for
22 you if you ever need us and we'll have this scheduled
23 call again tomorrow then.

24 MARIE MILLER: Yes. That would be good.
25 We should be able to make the 10 o'clock, our time, no

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1 problem because our next meeting's until 10:45. So we'll
2 be in good shape.

3 TODD JACKSON: That's the first call of the
4 day.

5 MARIE MILLER: The first call of the day.

6 JOHN TAPPERT: Okay.

7 MARIE MILLER: Okay. All right, thank you
8 very much.

9 JOHN TAPPERT: Take care and be safe.

10 MARIE MILLER: All right, thank you. Bye.

11 JOHN TAPPERT: Yes.

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(CONFERENCE CALL INITIATED)

MALE PARTICIPANT: NRC Operations Center,
PMT.

HEADQUARTERS OPERATIONS OFFICER: Yes, hi.
It's the Operations Officer. I've got Dr. Hynes
(phonetic) from the National Military Command Center
--

MALE PARTICIPANT: Okay.

HEADQUARTERS OPERATIONS OFFICER: -- on the
line. Stand by.

MALE PARTICIPANT: Hello?

DR. HYNES: Hello?

MALE PARTICIPANT: Yes, this is NRC.

DR. HYNES: Yes, this is Dr. Hynes over at
the Pentagon.

MALE PARTICIPANT: Okay.

DR. HYNES: We heard a report on NHK World
that they found 100 millisieverts in a trench right outside
of the cooling area or something like that? Outside
the turbine building, I guess. That number seems kind
of high and we were just wondering if there's anyone
that has any eyes on --

MALE PARTICIPANT: That's on site?

DR. HYNES: Yes.

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1 MALE PARTICIPANT: In the turbine building
2 you said?

3 DR. HYNES: Outside of the turbine --

4 MALE PARTICIPANT: Outside of the turbine
5 building.

6 DR. HYNES: Yes, in a trench they said.

7 MALE PARTICIPANT: Ten rem.

8 MALE PARTICIPANT: Ten rem. That wouldn't
9 surprise us.

10 DR. HYNES: Okay.

11 MALE PARTICIPANT: Yes, based on the amount
12 of deposition on site and the reading we've been seeing
13 either, you know, direct gamma dose or deposition dose,
14 it's hard to tell which one that --

15 DR. HYNES: Okay. It seemed a little high
16 to us. We were just a little concerned.

17 MALE PARTICIPANT: Yes, we've seen that and
18 higher reported earlier, you know, around the plant.

19 MALE PARTICIPANT: Around the plant. I
20 think we were reporting 100 R (phonetic) in the turbine
21 building, weren't they, or more than that in some places.

22 DR. HYNES: Okay.

23 MALE PARTICIPANT: Yes, yes. And just --
24 right.

25 MALE PARTICIPANT: So it is high but I guess

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1 it's not completely unexpected depending on what it is.

2 We haven't seen that report yet.

3 MALE PARTICIPANT: Yes.

4 DR. HYNES: Okay. Yes, it's going on right
5 now. You might want to look at it.

6 MALE PARTICIPANT: Just from the news
7 report?

8 DR. HYNES: Yes. And, you know, they've
9 been wrong multiple times before so --

10 MALE PARTICIPANT: Right. That isn't
11 surprising though.

12 DR. HYNES: Okay. All right. Well, thanks
13 for your confirmation. We appreciate it.

14 MALE PARTICIPANT: All right, no problem.

15 DR. HYNES: Okay, bye bye.

16 MALE PARTICIPANT: Bye.
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(CONFERENCE CALL INITIATED)

ELLEN ANDERSON: Ellen Anderson.

DON COOL: Good morning, Ellen. Don Cool.

ELLEN ANDERSON: Hi there.

DON COOL: I'm calling you from the NRC
Operations Center. This is a recorded line.

ELLEN ANDERSON: Okay.

DON COOL: I was talking with Ralph yesterday
about a couple of things I wanted to follow up with you
so I understood the status this morning.

ELLEN ANDERSON: Okay.

DON COOL:

[Redacted block containing (b)(5)]

ELLEN ANDERSON: That's correct.

DON COOL: I haven't seen anything on the
setup of that call and so I wasn't sure whether they
were still working it, whether that was not today but
still coming attraction.

ELLEN ANDERSON:

[Redacted block containing (b)(5)]

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6 DON COOL: Okay, well, I was just trying
7 to line up my phone calls for the day.

8 ELLEN ANDERSON: Yes.

9 DON COOL: Second is --

10 ELLEN ANDERSON: Go ahead. Well, I'll tell
11 you what, if I hear something -- obviously he'll be sending
12 something out, an email, but if I hear something I'll
13 let you know.

14 DON COOL: Yes, I'd appreciate that.

15 ELLEN ANDERSON: Okay.

16 DON COOL:

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23 ELLEN ANDERSON: Okay. I know they tested
24 it yesterday. I have personally not seen it yet. I am
25 actually due to work 3:00 to 11:00 today. I look at

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1 the clock, it's not even 9 o'clock in the morning and
2 I'm here. So I'm waiting for it so that it can happen.

3 Okay.

4 DON COOL: I understand all of the above.

5 Yes.

6 ELLEN ANDERSON: Okay, so I don't have it
7 yet. I'm waiting for it. Like I said, I know they worked
8 it all day yesterday because I've got several emails
9 looking at the panels. So I know it's working. The goal
10 is to get it out today. So I'm hoping today hopefully
11 before midnight.

12 But in the meantime just for your information,
13 we have -- after I sent the data that I sent out on Saturday,
14 by noon on Saturday, I received quite a bit more data
15 from the sites, and we are in the process of updating
16 that table that I sent on Saturday so that today you
17 will at least get the table with the additional, the
18 only data that I have. So you will receive data from
19 us today.

20 DON COOL: Okay, that sounds good.

21 ELLEN ANDERSON: Okay, so yes, two minutes
22 after I sent it out, because I see/feed it to all the
23 radiation protection managers, I got email saying, oh,
24 I've got data of which they never sent me. So I have
25 someone right now, basically what I'm just doing is

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1 updating the table that I sent on Saturday and we're
2 going to do it as of noon today. So right after lunch
3 I expect to be able to email that out to everyone that
4 I emailed it out to on Saturday.

5 DON COOL: Very good.

6 ELLEN ANDERSON: Okay?

7 DON COOL: Okay.

8 ELLEN ANDERSON: All right, and then one
9 of the things, our contact at NRC for this environmental
10 sample is Robert, what's his name? Oh gosh, I just wrote
11 his name down. Oh, Nelson. So what we will be doing
12 is sending him directly an email with the user ID and
13 password so that you can read the data, and then I would
14 expect that he would distribute that information to
15 whoever needs it there at NRC. And the
16 reason why it's basically one ID and password per agency
17 because I already have 75 users that I'm trying to monitor.
18 So I'm sending one to you guys, one to EPA, okay, one
19 to EPRI, one to INPO, that kind of thing, and then you
20 can share that amongst each other to be able to read.
21 But obviously you'll have read-only privileges.

22 DON COOL: That's fine.

23 ELLEN ANDERSON: Okay.

24 DON COOL: Yes, I will get to Bob Nelson
25 and make sure that he knows that the PMT here in the

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1 Operations Center needs to be able to have that
2 information.

3 ELLEN ANDERSON: Yes, and I'll be honest
4 with you. We'll send that out, that will come out, I
5 believe, right as the website becomes available to input,
6 recognizing too that, you know, obviously it's going
7 to take the site some time to input the data.

8 I'm asking them to input all the previous data
9 so that it's all in there, you know, as a complete set
10 of information. However, you know, you also realize
11 I'm sending this other data because I know you guys are
12 looking for it. So I'm trying to meet everyone's needs
13 here simultaneously.

14 DON COOL: That's a plan.

15 ELLEN ANDERSON: Okay?

16 DON COOL: Thank you ma'am.

17 ELLEN ANDERSON: All right, you're welcome.

18 If I hear anything about that 11 o'clock phone call
19 I'll send you a quick email.

20 DON COOL: Yes, that'll work.

21 ELLEN ANDERSON: All right, take care.

22 DON COOL: Thanks, bye.

23 ELLEN ANDERSON: All right, bye bye.
24
25

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(CONFERENCE CALL INITIATED)

SANDRA WASSLER (phonetic): PMT. Sandra Wassler, NRC Operations Center.

HEADQUARTERS OPERATIONS OFFICER: Yes, ma'am. This is Headquarters Operations Officer. I've got a call for you. I'm going to connect you now.

SANDRA WASSLER: Hello?

TODD MASSE: Yes, hi. Is Tony in?

SANDRA WASSLER: Tony? Hang on a second.

Tony, I've got a call for you over here.

TONY HUFFERT: Tony Huffert here.

TODD MASSE: Hi Tony. How are you doing? Todd Masse calling. We spoke earlier about a 3:30 SVTS.

TONY HUFFERT: Yes.

TODD MASSE: I was wondering if you have any input on that. If you guys can't participate then we probably won't do it today.

TONY HUFFERT: Okay, well, actually, can I put you on speaker phone for just a minute please?

Are you still there Todd?

TODD MASSE: Yes, I sure am.

TONY HUFFERT: All right. I'm sitting at the table with Sandy Wassler and Don Cool. This phone call is about the 3:30 secure line with the DNI and Pacific

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1 Command?

2 TODD MASSE: That's correct.

3 TONY HUFFERT: And you're interested in
4 finding out about coverage from the PMT?

5 TODD MASSE: Yes, we had met with the folks
6 last week and agreed that we were going to try to participate
7 in not a daily SVTS, but they have a daily SVTS. We
8 would unlikely be participating on a daily basis.

9 But their interest is in primarily looking
10 from the PACOM perspective of looking at some of the
11 technical intelligence that would allow them or afford
12 them the opportunity to have more lead time should there
13 be any further evacuation notices for these folks in
14 the region.

15 DON COOL: Okay. This is Don Cool. I'm
16 current PMT director. I was planning to hand that to
17 Doug Coe who's the PMT director coming on at 3 o'clock.

18 The technical issues that might give them advance notice
19 or would maybe come more from the Reactor Safety folks
20 than what we have here from the radiological conditions,
21 but we can certainly participate to describe what
22 information that we have. And there's nothing at the
23 moment that would indicate that there's anything to take
24 action on.

25 TODD MASSE: Yes, and I thank you very much.

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1 I think that would still be useful because what they
2 are looking to do, we've actually sent Vince Holahan
3 over to Hawaii. He's going to be working with Admiral
4 Willard who's the commander of the combatant command
5 and commander of PACOM.

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14 DON COOL: Okay. I was going to write this
15 up as one of the things to hand off to the next PMT director
16 who I'm in hopes who will be able to participate in the
17 call. PMT is going to have to divide and conquer. We
18 have a 3 o'clock and two different 3:30s we're trying
19 to support.

20 TODD MASSE: I understand entirely, and
21 don't want to overburden you guys. This was just something
22 that was committed to last Friday between Trish Holahan
23 and some members of the PACOM, one of the admirals out
24 of PACOM.

25 DON COOL: And Trish actually agreed to send

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1 [REDACTED] (b)(5)

2 TODD MASSE: [REDACTED]

3 [REDACTED] (b)(5)

4 DON COOL: I'm going to guess there was some
5 other negotiation that I don't want to know about.

6 TODD MASSE: I think that's probably a good
7 assumption.

8 DON COOL: Yes. All right, well, we will
9 hand that off to the next shift and I would expect they
10 would be able to help you with that.

11 TODD MASSE: Okay, great. Then it's Doug
12 Coe that's coming in?

13 DON COOL: That's what I understand. It's
14 Doug Coe that's got the director's chair for the evening.

15 TODD MASSE: Okay, great. And we'd be over
16 in the Two White Flint SCIF which is 4C04 (phonetic),
17 right around the corner from you guys.

18 DON COOL: Yes, very good.

19 TODD MASSE: Donald, thank you very much.
20 I appreciate it.

21 DON COOL: You're welcome.

22 TODD MASSE: Okay, bye now.
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(CONFERENCE CALL INITIATED)

OPERATOR: You have reached the United States Department of Energy Operations Center. Your call is being transferred to a DOE watch officer.

YATES: (Indiscernible) Yates (phonetic) speaking, may I help you?

MIKE MCCOPPIN: This is Mike McCoppin from NRC headquarters. How are you doing tonight?

YATES: I am doing good. Mike, what's your last name again, please, sir?

MIKE MCCOPPIN: McCoppin, it's M-C-C-O-P-P-I-N.

YATES: Okay, and you work at NRC?

MIKE MCCOPPIN: Yes.

YATES: And you need the NIT, sir?

MIKE MCCOPPIN: Yes, that's correct.

YATES: Stand by please.

MIKE MCCOPPIN: Thanks.

YATES: You're welcome.

(Pause)

YATES: All right sir, you're connected to Dave Young (phonetic).

MIKE MCCOPPIN: All right, thank you.

Hi Dave.

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1 DAVE YOUNG: How's it going? How can I help,
2 Mike?

3 MIKE MCCOPPIN: Good. This is Mike McCoppin.
4 I'm here at the Headquarters Ops Center working tonight
5 at the Preventative Measures Team, and there was some
6 action items that we've had, and we've been receiving
7 the RAAD data from our nuclear power plants.

8 DAVE YOUNG: Right.

9 MIKE MCCOPPIN: Some low level activity
10 above MDA but not reportable, and I know there were some
11 conference calls. I'm coming in late in the game trying
12 to connect the notes here. And what I'm understanding
13 is that NEI was going to be putting together a website,
14 I guess, with some passwords to allow people to access
15 this information, you know, some of the other federal
16 family here needed it.

17 And what I'm also understanding and what
18 I have here says, I'll just read it to you. It says,
19 "Departments and agencies monitoring radiation provide
20 those data to DOE. DOE will compile that from the U.S.
21 government departments, agencies, government of Japan
22 and other international sources to develop a mechanism
23 to make this data accessible to the interagencies. "

24 So I guess I'm looking at is we have a
25 spreadsheet that we've compiled this information over

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1 the last few days as we've been compiling it, and I know
2 NEI is going to do their thing with the website, and
3 there was a subsequent conference call discussing that.

4 But is there someone I can send it to, what we have
5 compiled right now?

6 DAVE YOUNG: Yes, so you can send it to us
7 and we can forward it on to our internal folks, but if
8 you send it to us we'll make sure the right people see
9 it. Do you have our email address?

10 MIKE MCCOPPIN: You give me the one I should
11 send it to and --

12 DAVE YOUNG: Nitops@nnsa.doe.gov

13 MIKE MCCOPPIN: Nit Ops --

14 DAVE YOUNG: I'll spell it out for you.

15 MIKE MCCOPPIN: Yes, just spell it all out
16 so I don't make any errors.

17 DAVE YOUNG: N as in November, I as in India,
18 T as in Tango, O as in Oscar, P as in Papa, S as in Sierra
19 --

20 MIKE MCCOPPIN: Okay.

21 DAVE YOUNG: -- at N as in November, N as
22 in November, S as in Sierra, A as in Alpha, dot, DOE,
23 gov.

24 MIKE MCCOPPIN: Okay, I got all that. All
25 right so --

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1 DAVE YOUNG: Otherwise we'll make sure it
2 gets to the right people who's analyzing the data and
3 things like that.

4 MIKE MCCOPPIN: So you're in direct contact
5 with those folks?

6 DAVE YOUNG: Oh definitely. They work for
7 us.

8 MIKE MCCOPPIN: Oh, they do, so that's not
9 someone I need to call and talk to and no explanation
10 needed or nothing like that.

11 DAVE YOUNG: And if they have questions we
12 know who to talk to. We know the PMT's go-to team.

13 MIKE MCCOPPIN: Okay, so you call back and
14 forth frequently. All right.

15 DAVE YOUNG: Definitely.

16 MIKE MCCOPPIN: All right, well, thanks for
17 the information.

18 Is there anything else I need to ask them?
19 We have an email address for to send this to and --

20 (Off microphone discussion)

21 MIKE MCCOPPIN: All right, so I'm going to
22 use you right now as a point of contact just for now,
23 but I know you have many different desk officers, right?

24 DAVE YOUNG: Yes. Yes, definitely. I'm
25 actually going off shift in the next few minutes, but

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1 there's people here so you just call us here. There'll
2 be someone to answer the phone.

3 MIKE MCCOPPIN: Okay. Well, thank you.

4 DAVE YOUNG: All right.

5 MIKE MCCOPPIN: Appreciate it.

6 DAVE YOUNG: Thanks Mike.

7 MIKE MCCOPPIN: All right, bye.

8 DAVE YOUNG: Yes, bye.
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(CONFERENCE CALL INITIATED)

MALE PARTICIPANT: Protective Measures Team.

HEADQUARTERS OPERATIONS OFFICER: Hi, I've got Todd Masse on the line. He'd like to talk to Doug Coe.

MALE PARTICIPANT: He's on a conference call but I can take a message.

HEADQUARTERS OPERATIONS OFFICER: Okay, let me connect Todd.

MALE PARTICIPANT: Okay, thanks.

Hi, this is the Protective Measures Team.

TODD MASSE: Yes, may I speak with Doug Coe, please. This is Todd Masse.

MALE PARTICIPANT: Todd, Doug is on another conference call right now. Is there another person I can --

TODD MASSE:

[Redacted area containing (b)(5)]

MALE PARTICIPANT: Yes, Doug is aware of that.

TODD MASSE: Okay, do you know if he's going

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1 to come over for that or --

2 MALE PARTICIPANT: Yes, he will be.

3 TODDMASSE: Okay, great. It's right around
4 the corner at Two White Flint SCIF, right around the
5 corner from the Ops Center.

6 MALE PARTICIPANT: Okay, he'll be on his
7 way.

8 TODD MASSE: Thank you very much.

9 MALE PARTICIPANT: You're welcome.

10 TODD MASSE: Bye now.

11 MALE PARTICIPANT: Bye.

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(CONFERENCE CALL INITIATED)

NIMA ASHKEBOUSSI: Protective Measures
Team.

HEADQUARTERS OPERATIONS OFFICER: I've got
Marie Miller and Todd Jackson on the line.

NIMA ASHKEBOUSSI: Okay, go ahead.

Protective Measures Team.

MARIE MILLER: Yes, hi. It's Marie Miller
and Todd Jackson.

NIMA ASHKEBOUSSI: Hi guys, it's Nima. How
are you doing?

MARIE MILLER: Hi.

TODD JACKSON: Hi Nima.

NIMA ASHKEBOUSSI: Let me get you guys on
speaker phone.

NIMA ASHKEBOUSSI: Hello.

MARIE MILLER: Hello.

TODD JACKSON: Hello.

MARIE MILLER: Let's see, it's a little after
10 o'clock our time, sorry we're a little late, running
around as usual.

(b)(5)

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Also there were several comments, it was regarding contamination control that was discussed with the protective measures team yesterday. We are going forward to discuss that concern and overall worker, you know, radiation protection. So we're hoping to make a connection there.

And then in concert with that at 11 o'clock our time there's also a health effects meeting headed up by Dr. Norman Coleman from NIH, and Todd will be going

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1 to that meeting to support that meeting and also to
2 reinforce the connection of making sure there's good
3 contamination controls and worker protection because
4 of from a health impact standpoint. So Todd,
5 do you have something more on that?

6 TODD JACKSON: Yes. Nima, the details are
7 in this email that John Monninger sent out that was
8 originated with Troy Mueller, so if you could find that
9 it's got (indiscernible) observations, radiation
10 protection of the plant or the workers who are prepping
11 to go into the plant.

12 NIMA ASHKEBOUSSI: Yes, we have that.

13 TODD JACKSON:

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22 NIMA ASHKEBOUSSI: But you're going to meet
23 with NIH regarding that or with the company?

24 TODD JACKSON: Both, okay. But it's not
25 NIH that we're meeting with, it's a person, Dr. Norman

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1 Coleman from NIH who is the leading U.S. person meeting
2 with the cabinet level Japanese group.

3 NIMA ASHKEBOUSSI: Okay.

4 TODD JACKSON: Cabinet sponsored not cabinet
5 level.

6 NIMA ASHKEBOUSSI: Okay.

7 TODD JACKSON:

8 [Redacted]
9 (b)(5)
10 [Redacted]

11 [Redacted]
12 [Redacted]
13 (b)(5)
14 [Redacted]
15 [Redacted]

16 NIMA ASHKEBOUSSI: Got it.

17 MARIE MILLER: So anyway, so both of those
18 things are happening at 11:00. Then I don't know who
19 asked for it, I assume the ambassador, but basically
20 he's looking for a tool that he could use to quickly
21 be able to gauge our things (phonetic) at the reactor
22 site saying the same, for purposes of the Americans in
23 Japan. Are they getting worse, you know, what's the
24 potential, you know, so they would have some key tracking
25 parameters from Reactor Safety as well as from Protective

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1 Measures.

2 And so we've been asked from a Protective
3 Measures standpoint, and this is something that one,
4 I get a draft of this tool as far as what they're doing
5 for reactor safety, will send it down to the protective
6 measures team to take a look at it.

7 But we would be looking to have maybe two
8 or three parameters that from a protective measures
9 standpoint that could be tracked or trended to provide
10 that easy status. Like say, for example, maybe if there
11 was, you know, from release rates that we could have
12 either what, you know, the current release is, and then
13 based on whatever that would be that you would have a
14 color coding as to whether or not that was changing into
15 a more significant concern. Or if we would have potential
16 for releases based on whether, or operations occurring
17 at the plant.

18 And then perhaps a percent of it derived
19 integration level for, you know, milk and vegetation,
20 you know, something like that. And this would be all
21 outside the 50 kilometer evacuation zone. So anyway
22 not limiting into what those ideas would be.

23 Also we just talked to DOE right before this
24 call and they're apparently putting out, expect to deploy
25 the --

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1 TODD JACKSON: The (indiscernible) backpack
2 (phonetic) kind of thing, gamma detectors only and it's
3 a plan. They have equipment but it's a plan to pull
4 (indiscernible) in the field.

5 MARIE MILLER: Right. Tomorrow is what
6 they're hoping for, and it would be something that again
7 because that would be readily available data that's
8 something that could perhaps be tracked to see whether
9 or not we're seeing anything there.

10 TODD JACKSON: That's potential at this
11 point. They weren't even sure when.

12 MARIE MILLER: Yes. So our contact
13 indicated that they had hoped to deploy tomorrow, he
14 said that. But the way things work here, you know, you
15 can't count on that. But obviously that's something
16 that it would seem like that would be, you know, near
17 term not far term, so I would think that might be something,
18 you know, useful to put on the chart and then we can
19 just say, you know, when available.

20 So anyway, more to follow on that. So that
21 would be probably the task of significance coming from
22 here that we would look to some support for you guys
23 back there.

24 TODD JACKSON: I have one note from the 3:30
25 meeting, the big one, and this was a representative from

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1 the military who said that since the plant actions began
2 there have been more than 400 military flights into the
3 zone within 125 miles of the plant. They've checked
4 all of those aircraft when they returned, for
5 contamination, none have been contaminated. So just
6 a reference point of interest.

7 NIMA ASHKEBOUSSI: How high were they flying,
8 do you know?

9 TODD JACKSON: They had no detail there.
10 There was a lot of different flights. Some of it may
11 have monitoring surveys. Don't know what it was for
12 or where they were, but none of them have been contaminated.

13 NIMA ASHKEBOUSSI: Okay.

14 MARIE MILLER:

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22 TODD JACKSON: This is U.S. military.

23 MARIE MILLER: U.S. military.

24 NIMA ASHKEBOUSSI: Right.

25 MARIE MILLER: So that's all we have on our

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1 end. Anything else for us?

2 NIMA ASHKEBOUSSI: Anything Mike?

3 MIKE: Yes, I guess some of our staff have
4 been looking at some of the online health physics blogs
5 and stuff, and I guess there was some just curiosities
6 of what type of instrumentation they're using there on
7 the site and what types of ranges they have on their
8 dosimeters, as far as what's the highest range of radiation
9 as far as a rate that they can measure.

10 I don't know if you guys have that or is
11 that something that you could find out at some point,
12 but --

13 TODD JACKSON: We'd love to know that.

14 MARIE MILLER: Yes.

15 TODD JACKSON: We don't have any information
16 on instruments, detection. We got one piece of paper
17 that might have some chemistry data in this morning,
18 neither of us has even had a chance to read it yet.

19 MIKE: Oh wow.

20 TODD JACKSON: So we have lots of questions
21 like that, absolutely agree. And there was media reports
22 about plutonium. Did you hear that this morning?

23 MIKE: Yes.

24 TODD JACKSON: The one report we saw actually
25 put it in pretty good perspective. TEPCO like may have

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1 put it on a press release or something. Trace amounts
2 apparently they believe spread at the time of the explosion,
3 the (indiscernible) explosion, and I think it said the
4 Unit 3 spent fuel pool area. And one of the spent fuel
5 pools had --

6 MARIE MILLER: Four.

7 TODD JACKSON: Four of them, but it said
8 the explosion with a three. It didn't really make a
9 lot of sense. But one of the pools had some of the unit
10 4 (indiscernible) fuel, so no big surprise if some of
11 that's out. And they said it was trace measurements,
12 no health impact from that but it's out there. And then
13 of course the article ends with, you know, quote, deadly
14 plutonium.

15 MIKE: Right.

16 MARIE MILLER: And then there is the issue
17 with respect to the order inventory (phonetic) that it
18 could be that they'll have to ultimately send it to the
19 sea.

20 TODD JACKSON: This is ground waste
21 basically.

22 MARIE MILLER: Right, yes.

23 TODD JACKSON: There's water in the plant
24 that is interfering with progress in a number of areas.
25 I forget which unit's turbine building, and water is

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1 building up and interfering. So management of that or
2 dealing with it is an ongoing issue and there seems to
3 be some reluctance to overboard (phonetic) water at that
4 plant. I don't know whether that's just sensitivity
5 or what, but anyway, yes, that's an ongoing issue.

6 NIMA ASHKEBOUSSI: Yes, we had some
7 discussions today with some of the other federal partners
8 about the concentration of activity being released from
9 the site as far as, you know, potentially contaminating
10 ships and stuff offshore, and specifically like cargo
11 containers.

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19 TODD JACKSON: From, you know, I'm only going
20 to give you conjecture here. Don't know, that's perhaps
21 a question for TEPCO, but I get the impression that none
22 of the water flowing from the site is a deliberate or
23 measurable discharge.

24 NIMA ASHKEBOUSSI: Okay.

25 TODD JACKSON: You know, it's run-off.

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1 They've been flooding everything they can everywhere,
2 so contamination is whatever, is flowing away from the
3 site. But they're not deliberately discharging from
4 the sounds of it.

5 NIMA ASHKEBOUSSI: All right.

6 TODD JACKSON: So I don't know how you
7 quantify that unless you get samples at the discharge
8 canal and then they might be able to do that. I don't
9 know if there's any data.

10 NIMA ASHKEBOUSSI: There's so many different
11 variables.

12 MARIE MILLER: And I asked Dan Dorman the
13 question of are they even controlling in the tours
14 (phonetic) going in, and I think they just know what
15 they're pumping.

16 TODD JACKSON: They would know the pump rates,
17 yes.

18 MARIE MILLER: That's it. They did know
19 pump rate but not total amount pumped.

20 MALE PARTICIPANT: Okay, wow.

21 NIMA ASHKEBOUSSI: Is there any sampling
22 being done offshore, immediately offshore that you're
23 aware of?

24 TODD JACKSON:

(b)(5)

25 (b)(5)

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1 MIKE: Fresh water they wouldn't have the
2 volume.

3 NIMA ASHKEBOUSSI: Well, right. I'm
4 talking about whatever detectable activity might exist
5 just immediately in the vicinity offshore of the plant.

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10 MARIE MILLER: We're trying to meet up with
11 the Naval Reactors protective measures contact, Troy
12 Mueller.

13 TODD JACKSON: Troy Mueller who wrote that
14 report on observations of contamination controls and
15 exposure controls.

16 MARIE MILLER: Yes, he's the Naval Reactors
17 contact. And then also the only other piece of information
18 I don't think we talked about was that they have taken
19 some samples and sent them to, this is DOE, to Lawrence
20 Livermore for data analysis. But I don't think there's
21 been many and I think it's just air sample and no vegetation.

22 NIMA ASHKEBOUSSI: Oh.

23 MARIE MILLER: So we do feel there's a big
24 void in understanding the on site radiological conditions,
25 and we hope to then focus a little more in that area

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1 with, you know, the first meeting's today. And we tried
2 to have a separate meeting on it, but they're going,
3 you know, even if it's a separate team on our protection
4 that it's too many meetings. So we're going to go in
5 with the Reactor Safety Team and I don't know how successful
6 I'll be at getting --

7 TODD JACKSON: It's a starting point.

8 MARIE MILLER: Yes. So hopefully it will
9 be a starting point and we'll open up some leads out
10 there. Okay.

11 NIMA ASHKEBOUSSI: Okay, good.

12 MARIE MILLER: All right. And then on this
13 health meeting, that probably will, ultimately you'll
14 hear more about that because that's going to be something
15 that the other federal family members are going to be
16 involved with too. So Todd will brief out on that, you
17 know, when he gets, for the 4 o'clock call.

18 NIMA ASHKEBOUSSI: Okay, we'll give them
19 a heads-up.

20 MARIE MILLER: Their main topics are on risk
21 communication, environmental monitoring and KI. And
22 Dr. Coleman obviously wants to kind of also bring more
23 into that as far as long term --

24 TODD JACKSON: Oh yes. I saw him this morning
25 and asked him if there was a way to inject worker radiation

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1 protection issues somehow into this discussion. Because
2 what the first meeting we heard, somebody on the Japanese
3 side said that they would like to have an ongoing follow-up
4 of the radiation workers at the plant as far as the effects
5 of exposure and stuff like that.

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8 Well, that kind of indicates that maybe we
9 need to help them -- well, it's the wrong way to put
10 it. Help them understand that we think worker protection
11 priority should be a little higher on the list.

12 NIMA ASHKEBOUSSI: Understood.

13 TODD JACKSON: That's a good way to put it.

14 MARIE MILLER: Okay.

15 TODD JACKSON: And another thought, if you
16 guys have spare time, one of the things that might be
17 useful, somewhere out there there's got to be guidance
18 on how to control contamination under conditions of very
19 extreme contamination, you know, how to minimize personnel
20 exposure. And if there's a guidance document or anything
21 or anything at all like that, that could be very helpful.

22 It's not just (indiscernible) step-off plans
23 or like what we were used to at power plants, this is
24 contamination everywhere so how do you live with it.
25 If there's anything at all like that it might be helpful.

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1 I don't know if there is, but there's got to be a whole
2 lot of people that thought about it in the past.

3 NIMA ASHKEBOUSSI: I think you're probably
4 right, but we'll think about that and look in the places
5 that might be fruitful. We'll get on it.

6 TODD JACKSON: Thanks.

7 MARIE MILLER: All right, so we'll get back
8 to you at 4 o'clock, and hopefully by then we'll have
9 been able to send you this direct status tool, and then
10 we'll debrief on, you know, what success we've had at
11 these meetings today, and then if you can get back to
12 us on anything on contamination control that would be
13 useful.

14 NIMA ASHKEBOUSSI: Okay, we can do that.
15 Your 4 o'clock call will be on the next oncoming shift,
16 so we'll pass this on.

17 MARIE MILLER: Okay, very good.

18 TODD JACKSON: We expect to be able to make
19 today's.

20 MARIE MILLER: Yes.

21 NIMA ASHKEBOUSSI: Michele (phonetic),
22 anything? Okay.

23 MALE PARTICIPANT: No, I'm good.

24 NIMA ASHKEBOUSSI: Okay, nothing further
25 on our end.

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1 MARIE MILLER: Okay, very good. All right,
2 thank you.

3 TODD JACKSON: Glad we talked to you, Nima.

4 NIMA ASHKEBOUSSI: All right, thanks.

5 TODD JACKSON: Bye.

6 NIMA ASHKEBOUSSI: Bye bye.

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(CONFERENCE CALL INITIATED)

SCOTT HUDSON: Hello, is anyone on the line?

MALE PARTICIPANT: Yes, this is the Nuclear
Regulatory Commission.

MIKE MCCOPPIN: Mike McCoppin from the
Preventative Measures Team. Can you hear us?

SCOTT HUDSON: This is Scott Hudson from
the EPA headquarters EOC.

MIKE UHART: Mike Uhart, NOAA.

(Pause)

(b)(6) : Hello?

(b)(6) : Hey, this is (b)(6)

Have I got anybody else on the line with me?

(b)(6) (phonetic): No, (b)(6) you've

(b)(6) from OSTP.

(b)(6) : Fantastic.

FEMALE PARTICIPANT: (Indiscernible) from
OSHA.

(b)(6) : Let me go around the horn then.

It sounds like I've got some folks here. From DHS have
I got anybody from NOC?

MALE PARTICIPANT: NOC's on.

(b)(6) : CBP? U.S. Coast Guard? DHS

Policy? DHS NPPD?

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1 MARK BROOKS (phonetic): Mark Brooks is on
2 for Craig Conklin.

3 (b)(6) : Great. DNDQ?

4 MALE PARTICIPANT: Yes, Warren and John are
5 on.

6 (b)(6) : Great. FEMA? Okay, Commerce?

7 NOAA?

8 MIKE UHART: Mike Uhart for Craig McLean
9 and Roger Pierce.

10 (b)(6) : Great. Department of Defense

11 Health Affairs?

12 CRAIG POSTLEWAITE: Yes, Craig Postlewaite
13 is here.

14 (b)(6) : Great, Craig. OSB Policy?

15 Joint Staff? AFRI (phonetic)? DTRA? Department of
16 Energy?

17 DAVE BOWMAN: Nuclear Incident Team here.

18 (b)(6) : Great, Dave.

19 Department of Justice? Jordan? OSHA?

20 DENISE MATTHEWS: Yes, Denise Matthews in
21 the OSHA National Office.

22 (b)(6) : Great. Department of

23 Transportation, FAA?

24 RUSS DAVIS: Russ Davis, FAA.

25 (b)(6) : Emergency response?

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1 KURT OFAMAL (phonetic): Kurt Ofamal,
2 Emergency Response.

3 (b)(6) : Okay, EPA?

4 SCOTT HUDSON: Hi (b)(6) this is Scott Hudson
5 and Dale Elias (phonetic) from the EPA headquarters EOC.

6 (b)(6) : Great. FBI? HHS CDC?

7 CHARLES MILLER: Charles Miller.

8 (b)(6) : FDA? NIOSH?

9 STU HINNEFELD: Stu Hinnefeld for Jennifer
10 Hornsby-Myers.

11 (b)(6) : ASPR? IHS?

12 SKIP MANN (phonetic): Hi (b)(6) Skip Mann
13 here.

14 (b)(6) : Thanks. NRC?

15 MIKE MCCOPPIN: Mike McCoppin.

16 TRISH MILLIGAN: Trish Milligan, NRC.

17 (b)(6) : ODNI? OSTP?

18 (b)(6) : Yes, (b)(6) here.

19 (b)(6) : Thanks, (b)(6) State? USAID?
20 USDA? VA? Anybody that I did not get on this one going
21 around?

22 JOHN KOERNER (phonetic): This is HHS
23 (phonetic) for John Koerner. I'm here.

24 (b)(6) : Oh thanks, John.

25 SHAWN REGAN (phonetic): (b)(6) Shawn Regan.

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(b)(6)

Oh thanks, Shawn.

(b)(5)

MALE PARTICIPANT: (Indiscernible), that's good for us.

(b)(6)

Great.

(b)(5)

SCOTT HUDSON: Just speaking for EPA, we're not circulating further.

(b)(6)

: Okay. Well, let's start with our updates. NOAA said that they wanted to discuss some ocean modeling and technology issues. So NOAA, how about

1 if I put you up there at the top of the lineup?

2 MIKE UHART: Could we possibly go just a
3 bit later? Craig McLean will be joining us here in a
4 few minutes.

5 (b)(6) : Okay, we will go later. Have
6 I got anybody from CBP there? Okay, I know Pat will
7 join us pretty quickly. Let me go to NRC, the reentry
8 guidance for the 50-mile exclusion zone. Would you guys
9 mind just giving us just a quick update of what we see
10 in there and any issues?

11 MIKE MCCOPPIN: Trish, are you familiar with
12 it? This is Mike McCoppin.

13 TRISH MILLIGAN: Hey Mike, why don't you
14 go ahead and do the discussion.

15 MIKE MCCOPPIN: Okay. Just reviewed it a
16 little while ago, and what I'm seeing is this is really
17 for 50-mile evacuation zone to recover personal property.
18 Hopefully everyone got a copy of it and was able to
19 read through it. If not, I'll hit some of the highlights
20 as I'm skimming back over it.

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23 (b)(5)
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(b)(5)

(b)(5)

(b)(6)

: Got some feedback. If people are not muting their phones, that's a simple Star 6. Sorry about that Mike.

MIKE MCCOPPIN: That's fine.

(b)(5)

(b)(5)
Here's

briefing information for members of the public, just

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1 a brief description of the terms radioactive decay and
2 emissions and energy and particles.

3 Radioactive materials on (indiscernible)
4 of course emit radiation as it decays. And then the
5 difference between dose and some of the units absorbed
6 dose there, and the difference between radiation and
7 contamination, of course people get that confused.

8 A common misconception is that things that
9 are exposed to radiation become contaminated and of course
10 that's not true. Contamination material in a place where
11 it's not wanted, contamination of a person results from
12 direct contact with moveable radioactive material and
13 consequent transfer of some of the radioactive material
14 to the person.

15 So these are some general, general guidelines
16 right now that we've been putting together. Does anybody
17 have any specific questions or comments?

18 KEVIN SCROCAL (phonetic): (b)(6), I have
19 a few questions. This is Kevin Scrocal from NCPC.

20 (b)(6): Sure.

21 KEVIN SCROCAL: So a question for you Mike.

22 The personal exposure limits of less than 50 millirem,
23 is that an annual dose or is that an acute dose?

24 MIKE MCCOPPIN: For the 50 millirem, that's
25 an annual dose to members of the public which is a 100

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1 millirem.

2 KEVIN SCROCAL: Okay.

3 MIKE MCCOPPIN: So half of that of course
4 is 50.

5 KEVIN SCROCAL: [REDACTED]
6 [REDACTED]
7 (b)(5)
8 [REDACTED]
9 [REDACTED]
10 [REDACTED]

11 MIKE MCCOPPIN: [REDACTED]
12 [REDACTED]
13 (b)(5)
14 [REDACTED]

15 TRISH MILLIGAN: [REDACTED]
16 [REDACTED]
17 (b)(5)
18 [REDACTED]

19 KEVIN SCROCAL: [REDACTED]
20 [REDACTED]
21 (b)(5)
22 [REDACTED]

23 TRISH MILLIGAN: [REDACTED]
24 [REDACTED]
25 (b)(5)

KEVIN SCROCAL: [REDACTED] (b)(5)

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1 [REDACTED] (b)(5)

2 [REDACTED]

3 TRISH MILLIGAN: [REDACTED] (b)(5)

4 KEVIN SCROCAL: Okay.

5 TRISH MILLIGAN: All right. We're just
6 making recommendations to Americans that want to go back
7 in to retrieve belongings that are important to them.

8 KEVIN SCROCAL: Fair enough, fair enough.
9 Okay, I think that's all I've got, the questions so
10 far. Thanks.

11 [REDACTED] (b)(6) : Any other questions?

12 MIKE UHART: Yes, this is Mike Uhart. I've
13 got a couple questions but I can provide them in an email
14 if that's preferred.

15 MIKE MCCOPPIN: That would be great.

16 MIKE UHART: Okay, who should I send it to?
17 Everybody?

18 MIKE MCCOPPIN: Our email at NRC is P-M-T,
19 Paul Mary Thomas, 12, dot, H-O-C at nrc.gov.

20 MIKE UHART: All right, thank you.

21 MIKE MCCOPPIN: Yes.

22 [REDACTED] (b)(6) : Okay, thanks. [REDACTED]

23 [REDACTED] (b)(5)

24 [REDACTED]

25 [REDACTED]

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(b)(5)

I think Lee Veal at EPA is leading that.

Lee, do you want to talk a little bit about where you guys are at in that effort, or anybody from EPA?

SCOTT HUDSON: This is Scott Hudson, and I don't believe Lee Veal is on the line. Could you repeat the question please?

(b)(6)

: So the question is, NRC just briefed us on this reentry to basically it's a short term go in get stuff and then get right back out.

(b)(5)

SCOTT HUDSON:

(b)(5)

(b)(6)

(b)(5)

SCOTT HUDSON: Understood. (Indiscernible)

to her.

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(b)(6) : Okay thanks.

(b)(5)

SCOTT HUDSON: Ed's not -- Scott Hudson again.
I'm also representing them. We just wrapped up a
conference call from 2 o'clock to about 3:20.

(b)(6) : Okay.

(b)(5)

SCOTT HUDSON: Certainly.

(b)(5)

(b)(5)

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WARREN: Hi, this is Warren. Can I ask a question?

SCOTT HUDSON: Go ahead.

WARREN: Yes. Well, we're using the handheld dose monitors because that's kind of the simplest thing and it's also, I believe, what Coast Guard has.

But at the ports we also have portal monitors, and it's easier to go from the surface contamination counts per

1 minute to square centimeters to the counts per minutes
2 you measure on the portal monitors than to go to the
3 handheld.

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6 (b)(5)
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10 SCOTT HUDSON:

11 (b)(5)
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(b)(5)

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WARREN:
(b)(5)

(b)(6) :
(b)(5)

WARREN:
(b)(5)

(b)(5)

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(b)(5)

SHAWN REGAN: This is Shawn Regan. Is CBP on the line? I didn't hear them on.

(b)(5)

(b)(5)

SCOTT HUDSON: They also have mobile portals that they can bring to the side of the ship.

(b)(6):

(b)(5)

WARREN:

(b)(5)

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Does that make sense?

(b)(6) :

(b)(5)

(b)(5)

WARREN:

(b)(5)

(b)(6) :

(b)(5)

(b)(5)

MALE PARTICIPANT: Yes, I think some folks were having a little trouble getting your email today.

(b)(6) :

(b)(5)

(b)(5)

MALE PARTICIPANT: On the phone.

(b)(6) :

Okay. Great.

SCOTT HUDSON: (b)(6) this is Scott with

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1 EPA. Hey, that's fine.

2 (b)(5)

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4 (b)(6) : Right.

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7 (b)(5)

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11 (b)(5)

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13 (Pause)

14 (b)(6) :

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16 (b)(5)

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21 SCOTT HUDSON: It's a DOT regulation that
22 we're trying to meet, and you've got something in the
23 interest of, you know, the national interest sort of
24 thing.

25 (b)(5)

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(b)(5)

(b)(6)

: Okay.

(b)(5)

SCOTT HUDSON: We certainly, you know, folks are welcome to analyze the information that we've got.

(b)(5)

(b)(5)

1 PAT SIMMONS: Hello, this is Pat Simmons.
2 I'm sorry that I called in late. I was held up.

3 SCOTT HUDSON: Oh great, Pat. This is Scott
4 from EPA. We were just trying to capture some of the
5 conversation from our 2 o'clock call. So please go ahead
6 --

7 PAT SIMMONS: You hit it right on. I mean
8 we're at a point where we definitely need some guidance,
9 but everybody understands where everybody else is coming
10 from.

[Redacted block containing (b)(5)]

11 JOHN ZEPCO (phonetic): (b)(6) this is John
12 Zepco (phonetic). (b)(5)

13 (b)(5)

14 (b)(6): Sure John.

15 JOHN ZEPCO:
16 [Redacted block containing (b)(5)]
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25 I mean it's just all over (phonetic) the

1 United States.

2 [Redacted]
3 (b)(5)
4 [Redacted]
5 [Redacted]

6 [Redacted]
7 [Redacted]
8 (b)(5)
9 [Redacted]

10 PAT SIMMONS: Is this John Zepco from the
11 DNDO?

12 JOHN ZEPKO: Yes. Hi Pat.

13 PAT SIMMONS: Hey John, how are you?

14 [Redacted]
15 [Redacted]
16 (b)(5)
17 [Redacted]
18 [Redacted]
19 [Redacted]

20 (b)(6)

21 [Redacted]
22 (b)(5)
23 [Redacted]
24 [Redacted]
25 [Redacted]

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(b)(5)

PAT SIMMONS:

(b)(5)

(b)(6) :

(b)(5)

(b)(5)

PAT SIMMONS: That's a good point, (b)(6)

on the scope of this problem. (b)(5)

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(b)(5)

PAT SIMMONS: (b)(5)

(b)(5)

(b)(6)

Just got off the phone with

the Port of L.A. and they're seeing stuff coming in from

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1 China now as well. So that is beginning to change. And
2 what's happening is, the container ships that are coming
3 in, initially we were kind of pleased at the results
4 we were getting because the top rows of the container
5 ships were seemingly empty and free of radiation.

6 But as we dug down deeper into the ship we
7 found that of course as it went through rains and storms
8 and rough seas, guess where the radiation thus went.
9 So now it's now all down at the bottom layers of the
10 containers that we're seeing now towards the end of the
11 discharge. So the half life of the radiation that we
12 thought was that eight-day window, we're not at all seeing
13 that.

(b)(6)

(b)(5)

(b)(5)

1 different communities that we can pull from, you know,
2 to see what our capacity is and then also look at kind
3 of a quick training module, if necessary.

4 [Redacted]
5 (b)(5)
6 [Redacted]

7 [Redacted]
8 PAT SIMMONS: [Redacted]

9 [Redacted]
10 (b)(5)
11 [Redacted]

12 (b)(6) : (b)(5)
13 (b)(5)

14 PAT SIMMONS: [Redacted]
15 (b)(5)

16 And is Ira on the
17 phone yet?

18 IRA REESE: I'm here, Pat.

19 PAT SIMMONS: Ira Reese is on.

20 [Redacted]
21 (b)(5)
22 [Redacted]
23 [Redacted]
24 [Redacted]
25 [Redacted]

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(b)(5)

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(b)(5)

(b)(5)

Maybe Ira, you can expand on that

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1 a little bit.

2 IRA REESE: No, Pat, I think you basically

3 said it all.

4 [REDACTED]

5 (b)(5)

6 [REDACTED]

7 [REDACTED]

8 [REDACTED]

9 [REDACTED]

10 [REDACTED]

11 (b)(5)

12 [REDACTED]

13 [REDACTED]

14 [REDACTED]

15 But you're right, Pat, I mean the same thing

16 in my kitchen. I mean my PRD rate reads about a 2 in

17 my kitchen, so if start talking about pulling everything

18 in with a 1, I mean it starts getting, we might as well

19 just start looking at everything because we're going

20 to be getting a lot of, there's a lot of 1s out there

21 that really, I think, are taking up our time without

22 much consequence.

23 PAT SIMMONS:

24 [REDACTED]

25 (b)(5)

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(b)(5)

IRA REEVES: (b)(5)

PAT SIMMONS: (b)(5)

(b)(5)

IRA REEVES: Right.

(b)(5)

PAT SIMMONS: There's no question about it.

IRA REEVES:

(b)(5)

PAT SIMMONS:

(b)(5)

SHAWN REGAN: (b)(6) this is Shawn. Can

I jump in?

(b)(6) : Please do.

SHAWN REGAN: Okay, I think there's four, along this one topic there's at least four questions

1 that we need an answer.

2 (b)(5)

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PAT SIMMONS :

(b)(5)

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(b)(5)

SHAWN REGAN: That is exactly correct,

(b)(5)

(Crosstalk)

FEMALE PARTICIPANT: Hi, this is

(indiscernible) from DOT.

(b)(5)

(b)(5)

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(b)(5)

(b)(6)

: Pat Simmons, here's a question

real quick.

(b)(5)

PAT SIMMONS: We can do that. But again we've done it on just about every call. I don't know why --

(b)(6)

:

(b)(5)

FEMALE PARTICIPANT: They're looking at it right now. We should at least have an internal discussion by noontime tomorrow, hopefully have something to share

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later on in the day.

(b)(6)

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WARREN: Great Pat.

(b)(5)

(b)(6): Great, Warren.

(b)(5)

WARREN: Yes.

(b)(6): Thank you.

DENISE MATTHEWS: This is Denise Matthews.

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1 Can I ask a really quick question of CBP please? It
2 should be a very easy answer.

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

5 PAT SIMMONS:
6 [REDACTED] (b)(5)
7 [REDACTED]
8 [REDACTED]

9 DENISE MATTHEWS: Okay, thank you.

10 PAT SIMMONS: And regarding the DOT, who
11 do I need to send that information too?

12 FEMALE PARTICIPANT: It would be Jim
13 Williams and Rick Boyle.

14 JIM WILLIAMS: I just got on the phone.
15 This is Jim.

16 FEMALE PARTICIPANT: Thanks Jim for getting
17 on.

18 JIM WILLIAMS: What are you going to send
19 us?

20 PAT SIMMONS:
21 [REDACTED] (b)(5)
22 [REDACTED]

23 JIM WILLIAMS: It's james.williams@dot.gov
24 for me, I'd just send it direct.

25 MALE PARTICIPANT: This is (indiscernible).

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(b)(5)

(Crosstalk)

MALE PARTICIPANT:

(b)(5)

MALE PARTICIPANT:

(b)(5)

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MALE PARTICIPANT: I guess we can look for
some comments from the Department of Transportation,

(b)(5)

(b)(5)

(b)(6) :

(b)(5)

(b)(5)

Anything else on the

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1 CBP advisory team --

2 PAT SIMMONS: Jim, are you by your computer?

3 JIM WILLIAMS: Yes, but it's off right now
4 I hate to say.

5 PAT SIMMONS: Oh okay. I just sent you a
6 pretty big file. I want to make sure you received it.

7 JIM WILLIAMS: We've got about a 5 meg
8 incoming limit. I'll get it if it's --

9 PAT SIMMONS: Okay, my number, Jim, can you
10 just write it down please. I just want to make sure
11 you get this information before we convene the call.

12 JIM WILLIAMS: Go ahead.

13 PAT SIMMONS: 202-344-1314.

14 JIM WILLIAMS: 1314, and this is?

15 PAT SIMMONS: Yes, sir. Pat Simmons in
16 Customs and Border Protection.

17 JIM WILLIAMS: Okay.

18 PAT SIMMONS: And what I sent you was the
19 to date Japan cases. And it gives all the information
20 that was requested.

21 JIM WILLIAMS: I got it. Yes, it's here.

22 PAT SIMMONS: Great, thank you.

23 JIM WILLIAMS: Okay.

24 (b)(6): All right, let's move on to
25 NOAA. Craig, are you there?

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1 JIM WILLIAMS: Do you need me for anything
2 else? Because I've got to run actually. This is Jim.

3 (b)(6): Jim? No, I think we're good.

4 JIM WILLIAMS: Okay, thank you. Bye.

5 MIKE UHART: Craig isn't here but this is
6 Mike Uhart.

7 (b)(6): Okay.

8 MIKE UHART: What I wanted to say is that

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13 (b)(5)
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18 ROGER PIERCE: And one of our big -- this
19 is Roger Pierce with Mike Uhart.

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22 (b)(5)
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(b)(5)

(b)(6)

: I have a person here in my office who's been keeping an accountability of how much water's been going over the reactors. So, you know, you could probably start with that. Deposition rates, I think DOE, Dave Bowman, we've got some, do we have that information?

DAVE BOWMAN:

(b)(5)

(b)(5)

(b)(6)

(b)(5)

(b)(5)

DAVE BOWMAN: So what we have NARAC tasked to do is try to model using the last source term we used, the one we worked with NRC and try to match that with the AMS data we have. And they got back to us earlier today. They're having some trouble and they were asking for additional information nearby the plant. So I guess my answer is it's still a work in progress.

MALE PARTICIPANT: Okay,

(b)(5)

(b)(5)

DAVE BOWMAN:

(b)(5)

(b)(5)

MALE PARTICIPANT: Okay. Who's the contact

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1 at NRC?

2 (b)(6)

: It should be DOE, and it's

3 Dave Bowman.

4 DAVE BOWMAN: Yes, David Bowman. So we're
5 sending out a sitrep twice a day, and what agency are
6 you with, sir?

7 MALE PARTICIPANT: NOAA.

8 (b)(6)

: NOAA, David.

9 DAVE BOWMAN: I think we're sending it to
10 Stephen Fine.

11 MALE PARTICIPANT: Yes, okay. Thank you.

12 DAVE BOWMAN: Okay.

13 MALE PARTICIPANT:

14 (b)(5)

15 (b)(6)

: NRC, can you answer that one?

16 MIKE MCCOPPIN: I don't have any updated
17 information on that. I mean I would assume so but I'd
18 have to ask somebody.

19 (b)(6)

20 (b)(5)

21 MIKE MCCOPPIN: Yes.

22 (b)(6)

: Thanks.

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1 MALE PARTICIPANT:

2 [Redacted]
3 (b)(5)
4 [Redacted]
5 [Redacted]

6 MALE PARTICIPANT: Any information would
7 be helpful.

8 MALE PARTICIPANT: Okay.

9 MALE PARTICIPANT:

10 [Redacted]
11 [Redacted]
12 (b)(5)
13 [Redacted]
14 [Redacted]
15 [Redacted]
16 [Redacted]

17 MALE PARTICIPANT: Oh, okay.

18 (b)(6)

:

19 [Redacted]
20 (b)(5)
21 [Redacted]

22 MALE PARTICIPANT: We're using any kind of
23 source term we can get.

24 (b)(6)

:

25 [Redacted]
26 (b)(5)
27 [Redacted]

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[Redacted] (b)(5)

MALE PARTICIPANT: I think, yes.

[Redacted] (b)(6) Anything else NOAA?

MALE PARTICIPANT: No, I think that covers the thing that we were working off with here with Craig and others here across NOAA with the modeling.

[Redacted] (b)(5)

[Redacted] (b)(5)

MALE PARTICIPANT:

[Redacted] (b)(5)

MALE PARTICIPANT: I believe Steve is, yes.

Thank you.

MALE PARTICIPANT: Other than that I know of nothing else. I did see in the press today that the Japanese authorities have directed TEPCO to take additional ocean measurements, but I have no idea what

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1 that will champlade (phonetic) into.

2 MALE PARTICIPANT: Okay, thanks. And along
3 with our existing network of observation systems out
4 there are merely just taking observations of the currents
5 and wouldn't do anything for the radiation or anything
6 to that effect.

7 MALE PARTICIPANT: Yes, we do have a system
8 that's capable of carrying on constant pressure balloon
9 too that we're working on. I think that's it for NOAA.

10 MALE PARTICIPANT: Yes, thank you.

11 (b)(6) : Okay. Great.
12
13 (b)(5)
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18 (b)(5)
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23 MALE PARTICIPANT: This is NOAA. I looked
24 at it briefly, but I'll let our technical experts take
25 a look at it and we'll get back to you.

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(b)(6)

: Okay.

[Redacted]

[Redacted]

(b)(5)

MALE PARTICIPANT: Can you tell us a bit more of what's actually in the spreadsheet? I'm looking at it now and to be honest it's not very revealing to me.

(b)(6)

Dave Bowman, do you want to discuss that a bit?

DAVE BOWMAN: Okay, so that's all the data that we're capturing, and it's for a variety of sources.

[Redacted]

(b)(5)

But we have a tab for each day so we don't -- well, the data has a shelf life so we decided to put a tab for each day. But it's basically all the data that we're capturing for that day.

JOHN KOERNER:

(b)(6)

this is John Koerner at ASPR, and I don't know if CDC's on the line

[Redacted]

(b)(5)

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(b)(5)

(b)(6)

: Great. Thanks, John. Thanks for the feedback.

(b)(6)

KEVIN SCHULL (phonetic): this is Kevin Schull from NCPC (phonetic) and

(b)(5)

(b)(6)

: Did you get my invite Kevin?

KEVIN SCHULL: I did.

(b)(6)

: Okay, it's on there.

KEVIN SCHULL: Okay, thanks.

(b)(6)

: It's this spreadsheet.

KEVIN SCHULL: Okay, good. All right, now I know it. Yes, good.

(b)(6)

: So is it something we should just limit to HHS going forward or is there anybody else that finds that of use?

STEVE GREEN (phonetic): This is Steve Green at DHS NOC. Yes, you can go ahead and keep sending that to us.

(b)(6)

: Steve, did that answer your need that you had over the weekend?

STEVE GREEN: Well, (b)(5)

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1 today. I wanted to discuss it with him and then we'll
2 get back with you.

3 (b)(6) : Okay. Yes, I appreciate it.

4 Thanks.

5 MIKEUHART: Yes, (b)(6). This is Mike Uhart.

6 Could you continue to send it to Steve Fine?

7 (b)(6) : Steve Fine at NOAA?

8 MIKE UHART: Yes.

9 (b)(6) : Yes. Okay.

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12 (b)(5)
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17 DAVE BOWMAN:

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20 (b)(5)
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25 (b)(6) : Thanks, Dave. That's good.

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1 Trish, are you guys hearing anything from
2 your NRC people over there?

3 MIKE MCCOPPIN: This is Mike McCoppin. I
4 have not received anything back, but we have it as a
5 tickler to keep lookout for it.

6 (b)(6) :
7
8 (b)(5)
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10 DAVE BOWMAN: Yes, we've passed that on to
11 our field team and they do have a soil measurement.
12 I think it was again within a few kilometers of the plant.
13 One of the problems we're having over there is we don't
14 have a shielded gamma spec station to count the samples.
15 So there's a lot of background with the unshielded
16 detectors.

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25 (b)(6) : (b)(5)

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(b)(5)

DAVE BOWMAN:

(b)(5)

(b)(6)

Fantastic.

DAVE BOWMAN: If they have some big thick steel plates that could bring the background down.

(b)(6)

:
(b)(5)

DAVE BOWMAN: Well, we don't know of any.

(b)(6)

: Okay.

DAVE BOWMAN:

(b)(5)

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(b)(5)

(b)(6)

Okay.

(b)(5)

DAVE BOWMAN: Okay, we can try.

(b)(6)

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(b)(5)

DAVE BOWMAN: Okay.

(b)(6)

:

(b)(5)

CRAIG POSTLEWAITE: (b)(6) this is Craig Postlewaite. I don't know if Manny's on or not.

(b)(6)

: Oh okay.

CRAIG POSTLEWAITE: But there is the AFRAT team that's on the ground over there. I'm not sure whether that's a possibility in terms of what is being requested or not.

(b)(6)

(b)(5)

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(b)(5)

DAVE BOWMAN:

(b)(5)

CRAIG POSTLEWAITE: All right.

(b)(5)

(b)(6)

(b)(5)

DAVE BOWMAN: Okay.

(b)(6)

: Any other questions from around the horn for Dave and the DOE activities there on the ground or the data that you guys have in your inbox? What I would say is rather than wait for that data from me, that you contact directly to NIT Ops. That's the email address that Dave Bowman responds to, and just request from Dave Bowman any kind of update or accessibility. I think I've got CDC and I think I've got DHS on his distro list as we speak.

MIKE UHART: This is Mike Uhart. Was that the data that Steve Fine was going to get?

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(b)(6)

: Yes.

MIKE UHART: What's the email again?

(b)(6)

: So the NIT Ops, N-I-T-O-P-S,

at, what is it, Dave?

DAVE BOWMAN: Nnsa.doe.gov.

MIKE UHART: Okay, great. Thanks.

(b)(6)

Okay,

(b)(5)

MALE PARTICIPANT: No, we're good here.

(b)(6)

(b)(5)

(b)(5)

MARK BROOKS: No, we're good here.

(b)(5)

(b)(6)

Okay.

(b)(6)

WARREN: No, nothing.

(b)(6)

(b)(5)

(b)(5)

WARREN: Okay, thanks.

(b)(6)

: FEMA? NOAA?

MIKE UHART: Nothing more from NOAA.

(b)(6)

: (Indiscernible)?

MALE PARTICIPANT: No, nothing here.

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(b)(6)

: Anybody else from DoD that got on the phone late? Okay, DOE?

DAVE BOWMAN: Nothing.

(b)(6)

: OSHA?

DENISE MATTHEWS: Nothing, thanks.

(b)(6)

: FAA? DOT headquarters?

FEMALE PARTICIPANT: I believe we're all set, thank you.

(b)(6)

: EPA?

SCOTT HUDSON: Nothing. Thank you.

(b)(6)

: Great.
(b)(5)

[Redacted]

SCOTT HUDSON: Yes, (indiscernible).

(b)(6)

: Okay. HHS, CDC?

JOHN KOERNER: Yes, this is John Koerner.

[Redacted]
(b)(5)

(b)(6)

(b)(5)

JOHN KOERNER: Roger.

[Redacted]
(b)(5)

(b)(6)

: Okay, fantastic. So everyone,

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1 [REDACTED]
2 (b)(5) Great. Thanks so
3 much, John.

4 Skip, anything from you? IHS?

5 SKIP MANN: Sorry, (b)(6) I was on another
6 line. Nothing from us.

7 (b)(6) : That's all right. NRC?

8 MIKE MCCOPPIN: We have no items.

9 (b)(6) NCPC?

10 MALE PARTICIPANT: Nothing further. Got
11 that DOE data now on your low side (phonetic) and it's
12 very good so thanks for that.

13 (b)(6) : You bet. OSTP? And anybody
14 else that I did not call?

15 JOHN JENSEN: Hey (b)(6) this is John Jensen
16 from USDA. Sorry I got on late. Just wanted to make
17 sure that you were aware that there's a member of the
18 advisory team heading to Japan to assist the U.S. embassy
19 in Tokyo. That member is a representative from FDA so
20 they'll be working the food safety issues that were brought
21 up by the food safety commission of Japan.

22 [REDACTED]
23 (b)(5)
24 [REDACTED]

25 (b)(6) : Very good. And who's the

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1 person from FDA that's en route?

2 JOHN JENSEN: That's Mike Noska from the
3 public health service of FDA.

4 (b)(6) : Sure, Mike Noska. Okay.

5 JOHN KOERNER: Yes. And (b)(6) this is John
6 Koerner again. He'll be linking up with Norm Coleman
7 and our two communicators from the CDC who have been
8 collaborating with the embassy as well as Navy reactors
9 and DOE on site.

10 (b)(6) :
11 (b)(5)
12
13

14 JOHN KOERNER: My SME bench (phonetic) is
15 getting shallow.

16 (b)(6) :
17 (b)(5)
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20 FEMALE PARTICIPANT: When is the next
21 meeting, (b)(6) ?

22 (b)(6) :
23 (b)(5)
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(b)(5)

(b)(5)

FEMALE PARTICIPANT: Great, thank you.

(b)(6) : You bet. You guys, thanks
so much.

MALE PARTICIPANT: Thanks (b)(6)

(b)(6) : Yes.

MALE PARTICIPANT: Thank you. Bye.

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PMT RAAD ASST Director Audio Files

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Location: N/A

Date: March 29, 2011

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JAPAN'S FUKUSHIMA DAIICHI
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TUESDAY,
MARCH 29, 2011

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(CONFERENCE CALL INITIATED)

MALE PARTICIPANT: The Operations Center, Protective Measures Team.

MALE PARTICIPANT: Yes. Hi. It's the Ops Officer. I have Rear Admirable Gregory from Japan on the line.

MALE PARTICIPANT: Okay. Hello?

REAR ADMIRABLE KATE GREGORY: Hi.

MALE PARTICIPANT: Hello?

REAR ADMIRABLE KATE GREGORY: Is this the Protective Measures Team?

MALE PARTICIPANT: This is the Protective Measures Team.

REAR ADMIRABLE KATE GREGORY: Hi. My name is Rear Admirable Kate Gregory, and I'm with the U.S. Navy. And I'm here in Japan with the Joint Task Force working on the Fukushima issue. And I got your number from Bill Cook who is an NRC guy who's here.

(b)(5)

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MALE PARTICIPANT: We're thinking. I'm trying to think who would set those. It's not --

MALE PARTICIPANT: (b)(5)

(b)(5)

MALE PARTICIPANT: No. NRC does not have a pre-release criteria.

REAR ADMIRABLE KATE GREGORY: (b)(5)

(b)(5)

MALE PARTICIPANT: You would think.

MALE PARTICIPANT: No.

REAR ADMIRABLE KATE GREGORY: (b)(5)

(b)(5)

MALE PARTICIPANT: (b)(5)

(b)(5)

REAR ADMIRABLE KATE GREGORY: (b)(5)

(b)(5)

MALE PARTICIPANT: Yes.

REAR ADMIRABLE KATE GREGORY: So, that's

(b)(5)

MALE PARTICIPANT: (b)(5)

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(b)(5)

REAR ADMIRABLE KATE GREGORY: Yes, but, how,

(b)(5)

MALE PARTICIPANT:

(b)(5)

(b)(5)

MALE PARTICIPANT:

(b)(5)

(b)(5)

REAR ADMIRABLE KATE GREGORY: Okay, so let

(b)(5)

(b)(5)

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(b)(5)

MALE PARTICIPANT: (b)(5)

(b)(5)

per se, but --

REAR ADMIRABLE KATE GREGORY: (b)(5)

(b)(5)

MALE PARTICIPANT: In other words, (b)(5)

(b)(5)

REAR ADMIRABLE KATE GREGORY: Yes.

MALE PARTICIPANT: (b)(5)

(b)(5)

REAR ADMIRABLE KATE GREGORY: Yes.

MALE PARTICIPANT: Well, (b)(5)

(b)(5)

REAR ADMIRABLE KATE GREGORY: Is that different than the 100 counts above background?

MALE PARTICIPANT: It certainly could be.

MALE PARTICIPANT: (b)(5)

(b)(5)

MALE PARTICIPANT: Right, and that's what

(b)(5) inaudible 11:47:25).

MALE PARTICIPANT: So, that's what, I mean,

(b)(5)

MALE PARTICIPANT: Is the loose (inaudible

11:47:30).

MALE PARTICIPANT: Right, but there probably

(b)(5)

REAR ADMIRABLE KATE GREGORY: Yes. So, to

(b)(5)

MALE PARTICIPANT: Right.

REAR ADMIRABLE KATE GREGORY: And, so, we

(b)(5)

MALE PARTICIPANT: Right. Now, I would

(b)(5)

REAR ADMIRABLE KATE GREGORY: We have

(b)(5)

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MALE PARTICIPANT: (b)(5)

(b)(5)

REAR ADMIRABLE KATE GREGORY: Right. It's

(b)(5)

MALE PARTICIPANT: Yes.

MALE PARTICIPANT: Well, we can look in to it.

REAR ADMIRABLE KATE GREGORY: (b)(5)

(b)(5)

MALE PARTICIPANT: What's your name again, ma'am?

REAR ADMIRABLE KATE GREGORY: My name, let me give you my email address and I'll give you a phone number. My email address, I'll give you two of them, Katherine with a

(b)(6)

(b)(6)

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1 MALE PARTICIPANT: (b)(6)

2 REAR ADMIRABLE KATE GREGORY: Or you can
3 do (b)(6) Those will
4 work and maybe just send it to both of them. I could
5 be assured of getting at least one of them.

6 MALE PARTICIPANT: Okay. Got it.

7 REAR ADMIRABLE KATE GREGORY: Okay. You
8 guys are fabulous, and I must tell you I have been so
9 appreciative of the work that all the NRC folks out here
10 have done for us. I mean, incredibly, wonderful attitude,
11 selfless folks. Just great.

12 And especially Bill Cook. He's been
13 invaluable to what we're doing. So, I appreciate what
14 you all do. I didn't know I talked to the NCR before
15 this, and I really admire and appreciate what you do.
16 So, thank you so much.

17 MALE PARTICIPANT: Okay great.

18 REAR ADMIRABLE KATE GREGORY: Take care.

19 MALE PARTICIPANT: All right. Thanks.

20 REAR ADMIRABLE KATE GREGORY: Bye bye.

21 MALE PARTICIPANT: Bye.
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(CONFERENCE CALL INITIATED)

MALE PARTICIPANT: Line may I help you?

GREG CASTO: NRC Operations Center, Greg
Casto.

MALE PARTICIPANT: Hi, Greg. I've got Todd
Jackson on the line from Japan, stand by.

GREG CASTO: Okay.

TODD JACKSON: Hey.

GREG CASTO: Hello.

TODD JACKSON: Hi. This is Todd and Marie
in Japan.

GREG CASTO: Hey.

TODD JACKSON: Calling in for four o'clock.

MALE PARTICIPANT: Yes. Good afternoon, I
think.

MALE PARTICIPANT: Four o'clock?

GREG CASTO: Well, four o'clock. Yes. It's
four o'clock somewhere in the world.

MALE PARTICIPANT: Okay. All right.

MARIE: Who are we speaking with?

GREG CASTO: How are you guys doing?

MALE PARTICIPANT: Doing all right. Who's
on the phone there?

MALE PARTICIPANT: John Tappert, Greg Casto,

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1 Mike Norris.

2 MARIE: Great. Great. Okay. Good. Well,
3 we started off this morning, we had an industrious agenda.
4 We were trying to meet with Casto to find out, you know,
5 what type of sampling, you know, they had. What type
6 of controls they had for contamination controls.

7 And then to talk about how perhaps they could
8 improve that especially given the highly contaminated
9 areas that they were dealing with, you know, beyond
10 exposure, but perhaps, you know, for inhalation pathways.

11 And then also to talk about some, to be responsive to
12 the Japanese government with respect to some (11:52:09)
13 protection supplies that INPO had provided.

14 Then we also had a health meeting, which
15 is, I'll let Todd talk about that, but that's a high
16 level cabinet directed meeting with the, you know, seen
17 as being a very key element to ensure public confidence
18 as they go forward in this event.

19 And then also we wanted to try to develop some
20 indicators that could be used as a tool for the Ambassador
21 to be able to give a status with regard to the plant
22 food from a reactor safety and protective measures.

23 So, that was our agenda, and Todd has seen
24 some success. And, so, I'll talk about that, I mean,
25 Todd will talk about that. But with regard to what we

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1 wanted to do with Casto, all we were able to do is to
2 say that we wanted to have a meeting. I sat through
3 a meeting with (inaudible 11:53:09) and Casto, (b)(5)

4 (b)(5)

5 We did send a couple emails when we got back
6 from all these meetings down to the PMT which is the
7 available sample data, you know, that we do have other
8 than, I mean we sent, Todd sent the one, you know, that
9 has a lot of the exposure rate information and is very
10 limited gamma spec data. I sent the one from the West
11 Gate.

12 There was some sampling for soil around the
13 main stack and (inaudible 11:53:45) storage building
14 where they saw some plutonium. You know, it appears
15 to be about twice background and then one sea water sample.

16 So, very limited data is available. And a lot of it
17 is because they really don't have power to run pumps.

18 MALE PARTICIPANT: Air pumps.

19 MARIE: Air sampling pumps. Okay. With
20 regards to the health meeting, so, where we are on that
21 is that they do know we want to speak to them. And hopefully
22 tomorrow or the next day we'll have those meetings.
23 We did get a chance to at least give them the INPO related
24 information, some of it. And apparently there's more
25 that INPO is providing us with regard to (inaudible

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1 11:54:33) and other contacts --

2 MALE PARTICIPANT: Equipment and material
3 availability.

4 MARIE: Right. Right. Things that
5 basically to help and deal with this issue. So, I'll
6 turn it over to Todd with regard to the health meeting.

7 TODD JACKSON: Well, before I get to the
8 health meeting, I wanted to go back just to one of the
9 things that we were talking about earlier today for us,
10 your previous team there, perhaps you saw the email from
11 Torn Hueler (phonetic) regarding contamination controls
12 and other exposure controls and issues at the plant.
13 Did you see that last night? We talked, I think, yesterday.

14 MALE PARTICIPANT: We did.

15 MALE PARTICIPANT: And we're going to share
16 some of that with NISA and (inaudible 11:55:16)

17 MALE PARTICIPANT: We talked more about that
18 this morning and concerns about whether it's an appropriate
19 priority for worker protection and exposure controls.
20 Our impression is it's not. Somebody there sent us a
21 copy on NNSA Emergency Radiological Controls manual,
22 and that's helpful. Appreciate that. Just wanted to
23 say we got it.

24 MALE PARTICIPANT: Okay. Great.

25 TODD JACKSON: Also looking at the AID guides,

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1 and I think it's FDA, whoever it is that they respond
2 to all kinds of emergencies, looking whether they have
3 some kind of a field manual for the same kind of thing.

4 And the section that's pertinent in that
5 NNSA manual you sent is Contamination Controls in Field
6 Conditions and Areas of High Contamination. So, that
7 was the part that was most useful. And we'll see if
8 their receptive. That's the meeting that Marie never
9 actually go in to today.

10 MARIE: I had to sit through two hours of
11 Japanese translation just to get a two minute commercial
12 in.

13 TODD JACKSON: And then I'll go in to the
14 health effect meeting. There was one tid bit that came
15 out of the health effects meeting and that I'm going
16 to follow up on tomorrow. (b)(5)

(b)(5)

17
18 Government workers who are working at the
19 plant are the people who are running the concrete pumper
20 and the fire hose, for example, they have KI and they
21 are taking KI. But was not able to confirm that the
22 plant workers who don't work for the government have
23 gotten KI. But hopefully more to come on that.

24 Like Marie said, I did sent you a list from
25 one of the state department people who was at the health

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1 effects meeting on some of the data. That was in response
2 to a comment from me that we're not seeing a lot of data
3 in particular for airborne iodine concentration.

4 And nobody else has been able to tell me
5 they've seen it either. So, we just don't really have
6 much information on airborne iodine monitoring. We see
7 data, but, well, I'll get into the meeting.

8 MARIE: Right. I think, John, it was you
9 raised as far as, you know, we wanted to raise the whole
10 idea of trying to do some plume definition and things
11 like that. And they're so far off from that, you know,
12 that and Todd will tell you why. So, it's going to be
13 some time before we get to that, but hopefully DOE will
14 actually probably get their sooner than the company will.

15 TODD JACKSON: Yes. That's a possibility.
16 Although those backpacks are gamma only.

17 MARIE: Right. Right. But I mean even down
18 the road from what their trying.

19 TODD JACKSON: Okay.

20 MARIE: Go ahead.

21 TODD JACKSON: If you guys have questions
22 as we go, please jump in and ask the question because
23 we have so much going on in our minds that we may just
24 keep going. So, stop us if you need to. Okay?

25 MALE PARTICIPANT: All right.

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1 TODD JACKSON: Let's see. Well, there were
2 three things on the agenda of this meeting. One was
3 environmental monitoring, and two was potassium iodide
4 and three was communication with the public, risk
5 communication, public confidence, everything related
6 to that.

7 This was a steering committee meeting they
8 called it because this was really to define the scope
9 of the work and then tomorrow is when the working groups
10 are going to start. Each of three topic areas is going
11 to have a working group.

12 I will type up, not in very pretty detail,
13 but I'm just going to kind of list the points from my
14 notes that came out of this meeting and send it out.
15 Okay?

16 MALE PARTICIPANT: That would be helpful.

17 MARIE: Yes. I don't think we have to review

18 --

19 TODD JACKSON: I'm not going to go through
20 each point. I'm just trying --

21 MARIE: I would go right to the KI because
22 we want to --

23 TODD JACKSON: Well, there were a couple
24 of details about air sampling or environmental monitoring.
25 When you see references to, what's the word in this?

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1 MARIE: Soil deposition.

2 TODD JACKSON: It's not, It's not-

3 MARIE: Just talk about what it is that
4 they're doing.

5 TODD JACKSON: Yes. When they talk about
6 cesium 137 and iodine 131 on the ground, they told me,
7 they say they're not doing soil sampling. It's actually
8 deposition sampling. Where they put something out that
9 collects particulates that settle down from the atmosphere.
10 So, they're not doing soil which would give you an
11 integrated activity on the ground. They're just doing
12 these samples.

13 MARIE: And they're not doing air sampling.

14 TODD JACKSON: And they haven't been doing
15 much, if any, air sampling where they pull a volume and
16 do a particulate and charcoal cartridge. So, when you
17 see iodine 131 and cesium 137, my impression from today's
18 meeting is that that's a deposition from air. You know,
19 precipitation, dry precipitation.

20 MARIE: And that's noteworthy because they
21 have a lot of non-detecs.

22 TODD JACKSON: Fall out is what they call
23 it. Yes. They do have a lot of non-detectable. Well
24 their detection limits are going to be minimal, I guess,
25 if you know, there's no concentration from this.

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1 MARIE: So, it's some thing to take into
2 consideration. I mean, to be a part of our mission here
3 is, you know, making sure for protection of Americans.

4 (b)(5)
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6
7

8 MALE PARTICIPANT: Yes.

9 TODD JACKSON: They are continuing to use,
10 what I believe they use for evacuation and sheltering
11 criteria in the beginning which I think are the same
12 as our PAGs. The criteria, they describe their 50
13 millisieverts for evacuation. So, five rem and 10
14 millisieverts for sheltering. So, one rem.

15 MALE PARTICIPANT: That thyroid or whole
16 body or --

17 TODD JACKSON: That would be whole body.

18 MALE PARTICIPANT: Okay.

19 TODD JACKSON: Which I'm pretty sure that's
20 the same as our PAGs.

21 MALE PARTICIPANT: One to five (inaudible
22 12:01:44)

23 TODD JACKSON: Yes.

24 MALE PARTICIPANT: If we evacuated one.

25 TODD JACKSON: Well, they have five for

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1 evacuation, one for sheltering.

2 MALE PARTICIPANT: PAGs read that way. I
3 think it's one to five and five to twenty.

4 TODD JACKSON: All right.

5 MALE PARTICIPANT: Going back to the sampling
6 thing, yesterday I think you indicated that they were
7 going to do some mobile monitoring in the 20 kilometer
8 evacuation zone.

9 MARIE: Yes.

10 TODD JACKSON: We heard that from NISA.
11 NISA was at that meeting, but I didn't hear anything
12 about that today.

13 MARIE: One sample that we sent you today
14 is from the vehicle sample at the West Gate. So, that's,
15 it has a weird heading on it. It's like INPO Contacts
16 With One, and so what it is, is basically data that INPO
17 is getting through their contact within TEPCO. So,
18 apparently, it seems like that did start, and, at this
19 point, we only have that one sample location at the West
20 Gate.

21 TODD JACKSON: And that was an email from
22 Marie forwarding stuff on.

23 MALE PARTICIPANT: Okay.

24 MARIE: Just at the end of the day, end of
25 our, right before this call.

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1 TODD JACKSON: Any other questions on that?

2 MALE PARTICIPANT: No. Thank you.

3 TODD JACKSON: Okay. Next topic was KI.

4 They have distributed KI within 50 kilometers of the
5 plant. They handed out a map showing the towns where
6 they had done that, and the local towns are doing the
7 distribution. Total doses distributed, about 800,000.

8 MALE PARTICIPANT: Within 50 kilometers you
9 said?

10 TODD JACKSON: That's what they said. Yes.

11 MALE PARTICIPANT: Which is?

12 TODD JACKSON: Twenty-five municipalities.

13 MALE PARTICIPANT: Beyond their 30 kilometer
14 zone.

15 TODD JACKSON: It is.

16 MALE PARTICIPANT: Okay.

17 MARIE: But wait until you hear what their
18 going to do.

19 MALE PARTICIPANT: Oh good.

20 TODD JACKSON: The total number of people
21 in that area is 1,530,000. As I said 800,000 doses.
22 I'm looking for the amount of the dose. Thirty-eight
23 milligrams is the dose per tablet. They have distributed,
24 I said 800,000. There are 730,000 people that are the
25 target population and that's those that are 40 or under

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1 years of age.

2 So, their plan is, if they need KI, and they
3 have not ordered people to take it, that it's one tablet,
4 one dose and that's it. They're extremely concerned
5 about hyperthyroidism and overdosing of KI. So, they're
6 quite conservative.

7 MALE PARTICIPANT: Right.

8 TODD JACKSON: Now, a very interesting point
9 in our discussions after the meeting, that there is a
10 body of opinion that says the Japanese population as
11 a whole with the diet so much related to seafood and,
12 you know, seafood products may already have some blocking
13 in general.

14 MALE PARTICIPANT: Yes. That's the
15 discussion we've been having back here, is they have
16 a pretty sufficient diet.

17 TODD JACKSON: So, that's a factor and the
18 medical people are looking at that. And the Japanese
19 government was asking for feedback on this plan and Dr.
20 Coleman (phonetic), who is from NIH is the lead for this
21 whole working group for the U.S.

22 And what we discussed afterwards was if they
23 want feedback and if our positions and people who are
24 in the know about adequacy of dosages have any comments
25 or anything, we need to get that back to them tomorrow

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1 so they're prepared. They also said that there are three
2 manufactures in Japan that make KI, and between those
3 three manufactures, they have 6 million doses available.

4 So, they specifically responded to the FDA
5 guy, our FDA and Dr. Coleman that they did not think
6 that any KI from the U.S. stockpile was going to be needed.

7 MALE PARTICIPANT: So, just so I'm clear,
8 so, I mean, there's a KI working group here, right?

9 TODD JACKSON: Yes.

10 MALE PARTICIPANT: And so, they're getting
11 feedback from them.

12 TODD JACKSON: Well, that's, yes. They
13 asked me to be on that. So, they're going to meet tomorrow
14 at 4:00 p.m.

15 MARIE: It's headed up by doctors.

16 TODD JACKSON: Right. And I have no
17 intention of offering any opinion on dosages or anything
18 related to medical aspects.

19 MALE PARTICIPANT: Okay.

20 MARIE: Right. We thought out of these three
21 groups it would be one that we could participate in.
22 There's some obviously cross cutting issues that would
23 relate to what we're trying to do as far as having an
24 understanding of, you know, what's going on with respect
25 to the workers in the house. But it will have a finite,

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1 you know, amount of time to work on.

2 And then also, their policy is different
3 than the policy that's being implemented for the Americans.

4 So, this way, we should be prepared to explain why is
5 it different. So, that's why we think it's good for
6 us to continue to participate in that.

7 TODD JACKSON: Because we are being asked
8 for input and our positions on safety of U.S. citizens
9 in Japan. So, this is useful information for that
10 perspective.

11 MALE PARTICIPANT: Okay. No, I was just
12 asking because you asked me the same if the Japanese
13 want feedback. I just wanted to make sure that they
14 were getting it and you weren't just tasking us with
15 that.

16 TODD JACKSON: No. You're not being tasked
17 with that at all. That is something that I made very
18 clear to Dr. Coleman that I think that's what they asked
19 for and that I think it has a very short time frame that
20 we should get that back to them.

21 MALE PARTICIPANT: Okay.

22 TODD JACKSON: But not, we not being NRC,
23 meaning this working group.

24 MALE PARTICIPANT: I understand.

25 MARIE: And we're racing it here too because

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1 obviously at your level, you are having the interagency
2 discussions which include, you know, some, you know,
3 HHS and FDA and CDC so, I mean, obviously they should
4 be aware of, you know, what's happening here too.

5 MALE PARTICIPANT: Okay.

6 TODD JACKSON: (b)(5)

7 (b)(5)
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17 MALE PARTICIPANT: Okay.

18 TODD JACKSON: For whatever it's worth.
19 Still on the topic of KI, for perspective here, and this
20 is where they brought up the issue of not spreading the
21 information. There were some thyroid monitoring data
22 from people at the plant, and I don't know specifically
23 who this is, people at the plant. I think it's TEPCO
24 workers or, you know, power plant workers.

25 And they had some thyroid monitoring, and

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1 I don't know how that's being done, okay. Thyroid
2 monitoring to me may not be the same as it is to them,
3 but I assume it's bioassay thyroid measurement. They
4 monitored 200 people at the plant.

5 Only had two people that ended up with
6 measurable or significant CED thyroid doses, and those
7 were both 200 millisieverts. So, 20 rem, if I'm doing
8 my decimal movement correctly. To me, that seems lower
9 than I would have expected. You know, our ALIs will
10 get you 50 rem thyroid dose --

11 MALE PARTICIPANT: That's light.

12 TODDJACKSON: --foranoccupationalworker.

13 And this is way under that and the conditions, I would
14 assume, are pretty bad. So, maybe, if the numbers are
15 right, maybe this is an indicator of thyroids being
16 naturally blocked because these are workers who I did
17 not get the impression had been administered KI.

18 MARIE: We have no knowledge either way.
19 I mean, it's --

20 TODD JACKSON: Right.

21 MARIE: But I would think that they did get
22 KI.

23 TODD JACKSON: They did say that the Japanese
24 regulatory limit, well, they said that the Japanese limit
25 for thyroid exposure, CED, is 400 millisieverts. So,

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1 that's lower than ours, right.

2 MALE PARTICIPANT: So they (inaudible
3 12:11:09) half of that.

4 TODD JACKSON: Right. So, that's just data
5 for perspective.

6 (inaudible 12:11:16)

7 TODD JACKSON: That's about all I have on
8 KI. The last topic was risk communication, public
9 information. And the person who seemed to be the lead
10 on the U.S. side for that is from CDC ATSDR, and she's
11 going to be probably the lead or the U.S. person on that
12 working group.

13 Marie had great insight to bring along to
14 the NRC's risk communication booklet that, you know,
15 is available to NRC people when we go to public meetings.

16 MALE PARTICIPANT: Yes.

17 TODD JACKSON: So, we offer that to them
18 as well, to the Japanese, and left a copy of that with
19 them.

20 MARIE: So, in the area of risk communication,
21 and that brings us to the next task. This is something
22 that we --

23 MALE PARTICIPANT: (inaudible 12:12:06)
24 comment or question.

25 MARIE: Oh, I'm sorry. Before moving on to

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1 the topic, are there any questions with regard to the
2 input or any feedback with what Todd presented?

3 MALE PARTICIPANT: No. It was good. Thank
4 you. Do you guys have any questions? No. We're good.

5 MARIE: Okay. Thank you. Okay. (b)(5)

6 (b)(5)
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1 would be compared to yesterday. And so that everyday
2 it would be an update to yesterday's assessment, if you
3 will.

4 MALE PARTICIPANT: You sent this by email,
5 right?

6 MARIE: And so right before this call, we
7 just sent it by email because we had got it just right
8 before the call.

9 TODD JACKSON: So, you guys could look at
10 that, if you can pull it up.

11 MARIE: Right. And we would like to, you
12 know, obviously if not tonight, first thing, you know,
13 for the 10 o'clock call, if there's a perimeter or two
14 from a protective measures standpoint. And one thing
15 that we had thought about on our end was that DOE is
16 going to have these, a ring of gamma spec no, just gamma
17 detection --

18 TODD JACKSON: Gross gamma, right.

19 MARIE: Gross gamma.

20 TODD JACKSON: Radiation monitors.

21 MARIE: (b)(5)

22 (b)(5)

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1 (b)(5)

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3 TODD JACKSON:

(b)(5)

4 (b)(5)

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7 MALE PARTICIPANT: I probably should know
8 this, but where are those things set up?

9 TODD JACKSON: DOE has not set them up yet.
10 This is their plan.

11 MALE PARTICIPANT: Okay.

12 TODD JACKSON: They have some kind of gamma
13 reading instruments in like the net backpacks.

14 MALE PARTICIPANT: Yes.

15 TODD JACKSON: No neutron instrumentation
16 though that they plan to deploy in a ring around the
17 plant.

18 MALE PARTICIPANT: Okay, so near a field
19 around the facility itself.

20 TODD JACKSON: Yes.

21 MARIE: Yes. But that's a perimeter that's
22 not deployed yet. They said that they may start that
23 tomorrow, but, you know, we could just say, you know,
24 later, I mean, we could use that.

25 And then the other ones we thought about

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11 MALE PARTICIPANT: Yes. That's a challenge.

12 I mean, I wish we knew what that was right now. I mean

13 --

14 MARIE: Right.

15 TODD JACKSON: We're in agreement with you
16 there.

17 MARIE: And then the other is that, this
18 is again it goes for what would be important to, for
19 American citizens is there something with respect to
20 percent of the derived, the DL, DILs --

21 TODD JACKSON: Derived Limited Intake
22 (inaudible 12:17:12)

23 MARIE: No, the intervention levels.
24 Derived Intervention Levels. (b)(5)

25 (b)(5)

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(b)(5)

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2
3 MALE PARTICIPANT: I mean, is this to inform
4 an evacuation decision?

5 MARIE: No. This is for --

6 MALE PARTICIPANT: (inaudible 12:17:49)
7 pass way --

8 MARIE: (inaudible 12:17:52) pass way and
9 preparationS for recovery.

10 TODD JACKSON: Long term.

11 MARIE: Long term. So, right now it would
12 be (inaudible 12:18:01) pass way.

13 MALE PARTICIPANT: All right.

14 MARIE: You know, so I think now it would
15 be (inaudible 12:18:04) pass way. So, we would look
16 at perimeters for now. So, dose rate and some type of
17 concentration. But I really don't know. I mean, that's
18 --

19 MALE PARTICIPANT: I mean, that does
20 (inaudible 12:18:16) make some sense. I mean, that's
21 really your only real indication that, you know, you
22 can monitor if the release is increasing.

23 I mean, Greg was looking at some data earlier
24 today and even when the wind shifts from the east, you
25 can still see, I guess on there, stationary monitors

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1 that are showing some increases there. So, it appears
2 that there's still some of that, at least some low level
3 release that's ongoing as we speak.

4 GREG CASTO: And for the DOE monitors, it
5 would be important for us to have that information right
6 away versus get the information a day or two later.

7 TODD JACKSON: Well, we could tell you what
8 DOE was offering to the Japanese. DOE is trying to set
9 up a data base of all their environmental data.

10 GREG CASTO: Yes.

11 TODD JACKSON: (b)(5)

12 (b)(5)
13
14

15 GREG CASTO: Right, but we've been getting
16 it after the fact which is, I don't know, if you are
17 thinking of an early warning or protective action
18 consideration for us to go beyond what we already have
19 in place, it doesn't do us any good to have it really
20 after the fact.

21 MARIE: (b)(5)

22 (b)(5)
23
24

25 GREG CASTO: Right.

1 MARIE: And so, it would be trending. And
2 this is assuming that people are, you know, not within
3 the (inaudible 12:20:00), you know, yet.

4 GREG CASTO: Right.

5 MARIE: So, at this point, you know, that
6 evacuation is still in place.

7 GREG CASTO: (b)(5)

8 (b)(5)
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13 TODD JACKSON: Yes. It's really a, you know,

14 (b)(5)
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16 GREG CASTO: Right. (b)(5)

17 (b)(5)
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24 MARIE: I hear what you're saying.

25 GREG CASTO: Yes. I mean, so anything to

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1 improve that timeliness would be useful. Otherwise,
2 it's just confirming information we are already getting.

3 TODD JACKSON: Well, DOE is supplying these
4 monitors to enhance their ability to measure what's going
5 on.

6 GREG CASTO: Okay, but we need to get
7 information. The bottom line is that information needs
8 to be transmitted rapidly. Do you see what I'm saying?

9 TODD JACKSON: Well, these are, the backpacks
10 will telemeter data to DOE. And basically realtime
11 monitors DOE is going to set up.

12 GREG CASTO: Yes.

13 TODD JACKSON: For radiation level, gamma.

14 GREG CASTO: All right.

15 TODD JACKSON: All right, but it's DOE and
16 they're the ones who are going to get the data and combine
17 it with their areal measurements and the on the ground
18 sampling that they're coordinating. GREG CASTO:
19 Right, but I --

20 TODD JACKSON: We would be relying on them
21 to report anything unusual.

22 GREG CASTO: Yes. (b)(5)

23 (b)(5)

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(b)(5)

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MALE PARTICIPANT: Yes. I guess the point

(b)(5)

MARIE: And then the point that who's responsible for the protective action, I mean, if it was in the United States, I know it would be NRC that would monitor the licensees and the state, it would be the State's decision, the State government, you know, with us providing assistance as necessary. So, now,

(b)(5)

GREG CASTO: Yes. (b)(5)

(b)(5)

MARIE: Right, exactly. So, in that case,

(b)(5)

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GREG CASTO: It's not entirely clear to me, but I think it's that latter model. You know, because there is no licensee who's, I mean, the licensee is working through the Japanese government to make their recommendations.

MARIE: Right, (b)(5)

(b)(5)

TODD JACKSON: (b)(5)

(b)(5)

GREG CASTO: As naturally.

MARIE: All right, so at this time as far as the perimeter that could be used, is that probably, it would be some aspect of, you know, either when we have this, when DOE has this deployed system or NRC to the assessment of the MEXT data that's coming in now making some decision as to whether or not things are, you know, staying the same or trending up or down.

MALE PARTICIPANT: Yes. I think that's a good approach. And, you know, it's the, you know, the reactor status which will be the predictive and then it releases actually occurring, then that field data

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1 will reveal that.

2 TODD JACKSON: It's very different than the
3 U.S. model where we would go to the licensee saying,
4 you know, what's going on? We need to know when releases
5 are happening.

6 GREG CASTO: Well, yes. And we're in the
7 same room basically. Everybody's in the same room. So,
8 get the information right away and that's not the case
9 here.

10 TODD JACKSON: Right. It's not happening
11 like that here.

12 MARIE: (b)(5)

13 (b)(5)

14
15
16 TODD JACKSON: Instead of a room full of
17 people, it's basically two guys who are the focal points
18 here, locally.

19 MARIE: And then the people they have out
20 in the field.

21 TODD JACKSON: And field teams, right.

22 MARIE: But, yes, so they're doing field

23 (b)(5)

24
25 so, you know, they're pretty busy. Okay. All right.

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1 That was good, and I think then we could say there could
2 be other factors added later when we, you know, move,
3 if there is a movement in to the relocation phase.

4 GREG CASTO: Okay.

5 MARIE: All right. I do have one question
6 for you. This is something that maybe it was brought
7 up while Jack Foster was still here. And they asked
8 me the status of this and I said I have no idea.

9 This is Mike Scott saying this afternoon
10 I conveyed through the PMT, and that was apparently on
11 Thursday, the 24th, a request from NISA for information
12 on long-term decommissioning activities for damage
13 reactors. This is a broad request that will undoubtedly
14 take some time to put together. If NRC could provide
15 an initial response to support a meeting here with NISA,
16 that would be helpful.

17 Well, the meeting did not occur on Sunday,
18 but I don't know if this request was brought back to
19 the PMT last week, if people are working on that.

20 GREG CASTO: I don't think it --

21 MARIE: I know on the status sheet of things
22 that we saw, I didn't see that as one that was being
23 tracked. They're were --

24 GREG CASTO: Right. That's what I was going
25 to say. I don't think it's being tracked as one of our

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1 open action items.

2 MALE PARTICIPANT: Might you think we did
3 something with it?

4 MALE PARTICIPANT: No, we didn't. We had,
5 we discussed this with Jack briefly. We didn't talk
6 about it that much, and then afterward we talked about
7 it amongst our self. Decommissioning is in (inaudible
8 12:28:47). You know, the office of (inaudible 12:28:49).
9 They're responsible for decommissioning. So, they have
10 all that information. I guess we would have to find
11 out a contact person.

12 MALE PARTICIPANT: Yes. I mean, we could
13 still refer stuff to the line organization. So --

14 MARIE: I just maybe, you know, take that,
15 and we have some time on that, I mean, you know --

16 TODD JACKSON: They're a long way from that.

17 GREG CASTO: Yes.

18 MARIE: I think that's just something that,
19 you know, we could get back to at a much later time.
20 I mean, because now they're looking, I mean, some of
21 the things and strategies would be, you know, they're
22 going to be, you know, pouring concrete and stuffing
23 up holes and, you know, all that type of thing.

24 So, you know, setting up 50/75 D file on
25 where you think you have problems is for decommissioning

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1 later is, you know, the whole area is messed up. You're
2 just going to, if you ever were to decommission it, you
3 would just have to, you know, either, you know, (inaudible
4 12:29:54) or clean up the whole entire thing.

5 TODD JACKSON: And the reactor safety guys
6 have been talking about, I guess on the basis of questions,
7 and the Japanese are, actually TEPCO is actually looking
8 at what do they need to do for long term stabilization
9 of each of the units. So, but that's going on outside
10 of us. But it is happening.

11 MARIE: So, I mean, obviously we have some
12 guidance under (inaudible 12:30:22). But that's, you
13 know, but that's really, I mean, at this point their
14 not even stable. So, they want to, I mean, they're looking
15 at --

16 TODD JACKSON: Talk to the Russians even.
17 Said they were talking to the Russians.

18 MARIE: Right. Yes.

19 TODD JACKSON: With their Chernobyl
20 experience.

21 MARIE: So, I would put this as, you know,
22 while it's a request, it's really not something that
23 we need to bring up right now.

24 MALE PARTICIPANT: You know, what I would
25 suggest, is next time you talk to NISA, maybe if you

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1 get very specifically get a since for what they want
2 to know, what information resources they want and if
3 you can just shoot us an email.

4 MARIE: Good idea.

5 MALE PARTICIPANT: Okay.

6 MARIE: Yes. Okay. We'll take that here.

7 I just didn't want to reinvent the wheel, someone, you
8 know, had already, it was because it was just brought
9 up today and it was the first I heard about it.

10 MALE PARTICIPANT: Yes. It sounds like we
11 consider that more of an intermediate long-term item
12 and didn't take any action, but we can give them at least
13 contact the resource documents or whatever if they want
14 to read them.

15 MARIE: Okay. So, any questions for us?

16 MALE PARTICIPANT: Are you working with an
17 Admiral Katherine Gregory at all? Does that name mean
18 anything?

19 TODD JACKSON: Doesn't ring a bell.

20 MALE PARTICIPANT: Okay, well, apparently
21 she was talking to Bill Cook.

22 TODD JACKSON: Okay.

23 MARIE: He's out with the pump project.

24 MALE PARTICIPANT: Do you see him?

25 TODD JACKSON: No. I did talk to somebody

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1 in the military who Bill Cook has sent our way. A Major
2 Matusic (phonetic) who was talking about options for
3 water management and what resources and assets they might
4 have that could be offered to the site. He wanted to
5 know if, what we knew about the contaminated water like
6 in the turbine building. And the answer universally
7 here is well we know it's contaminated and we know it's
8 hot. But we don't know any details.

9 MALE PARTICIPANT: I know it.

10 TODD JACKSON: As far as, you know, we're
11 unaware of any --

12 GREG CASTO: Very hot.

13 TODD JACKSON: Yes, well, 100 rem, but, you
14 know, is that from underneath, from surfaces under the
15 water or is that from the water? Nobody know. We don't
16 have any analytical results or sample analysis from that
17 water.

18 So, it sounded like they were just trying
19 to get a feel for what they were being asked which was
20 to define resources not do anything. That's my impression,
21 if that's related to what you're asking. I don't know.

22 MALE PARTICIPANT: Okay. She had called and
23 Bill had sent her our way. And basically she was looking
24 for, I mean, (inaudible 12:33:01) prerelease standard
25 for ships or decontamination limits for ships and planes

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1 as they go around the world.

2 And basically talking to our contact up here,
3 he's asking us not to respond to that and just referred
4 her to Pacific Command who will be making the policy
5 decisions. So, I'm just letting you know that for
6 awareness if it comes up in any of your team meetings.

7 TODD JACKSON: Okay.

8 MARIE: Okay.

9 TODD JACKSON: (b)(5)

10 (b)(5)
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18 MALE PARTICIPANT: Yes. That was
19 interesting. (b)(5)

20 (b)(5)
21

22 MARIE: It could be that they are further
23 out now.

24 MALE PARTICIPANT: Yes, or that the
25 significant release has been terminated which is sort

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1 of what we're gleaning from the data. I think with some
2 of the DOE reports are saying no significant releases
3 after the 19th. And when we're looking at some of the
4 field monitoring data, it looks like we're seeing some
5 decay of the material that had been deposited earlier.

6 MARIE: And just another quick topic. Mike
7 Nosca from the FDA is supposed to be arriving here, I
8 think, tomorrow. And he's going to be on this health
9 working group.

10 TODD JACKSON: We think.

11 MARIE: We believe. Dr. Coleman has
12 promised him.

13 TODD JACKSON: Right. His expertise.

14 MARIE: It's on the DIL.

15 TODD JACKSON: Agricultural products.

16 MARIE: Agricultural products.

17 MALE PARTICIPANT: Okay. Because I guess
18 (inaudible 12:35:00) I saw that they're impounding a
19 number of products on there now.

20 MARIE: Yes. I'm not here every year, but
21 Brook tells us it's hard to find yogurt.

22 MALE PARTICIPANT: Yogurt, okay.

23 TODD JACKSON: I couldn't find any last night.
24 I am a yogurt eater, and I'm being disappointed here.

25 MALE PARTICIPANT: Okay.

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1 MARIE: And then we were asked by Chuck Casto,
2 you know, from a standpoint of, you know, are we busy.
3 You know, I mean, you just kind of check in with everybody.
4 You know, just kind of get a sense, because I think
5 they are looking to try to, you know, pair down. And
6 I think probably from a protective measures, we're getting
7 busier.

8 TODD JACKSON: We're not bored.

9 MARIE: Yes. We're not bored. I mean, like
10 we're splitting up, we're running around, you know, doing,
11 you know, what we can, we're barely making these calls.
12 So, we said certainly that we expect to be fully engaged
13 through, you know, our April 7th time frame.

14 And so, you know, I think that they were
15 just trying to get a feel for numbers of people and perhaps
16 trying to reduce the number of people that they have
17 here, recognizing that probably long-term they'll need,
18 you know, people to be here. So, kind of make the teams,
19 you know, a little smaller.

20 GREG CASTO: Yes. I think we're still
21 struggling with what the appropriate response to this
22 is going to be because, yes, these reactors may not be
23 fully stabilized for weeks if not months. And what's
24 the right --

25 MARIE: They still don't even know what they

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1 have.

2 MALE PARTICIPANT: Yes. So, what's the
3 right footprint both there and here to do what we need
4 to do.

5 MARIE: Yes. I mean, you do get a since that
6 the other shoe hasn't dropped yet, you know.

7 MALE PARTICIPANT: Well, we're certainly
8 not done.

9 MARIE: No, but I mean it's like, you know,
10 the spent fuel pool issue for Unit 4 seems to be the
11 most precarious.

12 MALE PARTICIPANT: Yes and still don't have
13 a great sense of if there's a leak in the pool or, you
14 know, what the level is or anything like that.

15 MARIE: Yes. So, anyway, that's all we had.
16 Anything for us?

17 MALE PARTICIPANT: No. That's it.

18 MARIE: Okay.

19 MALE PARTICIPANT: So, I guess we'll do it
20 again tomorrow.

21 MARIE: Yes.

22 TODD JACKSON: Yes.

23 MALE PARTICIPANT: I'll miss the 4:00 p.m.
24 call tomorrow because that's when my working group meets.

25 TODD JACKSON: Okay.

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1 MALE PARTICIPANT: Three will be, likely
2 will be here.

3 MARIE: So, as far as actions, I think the
4 only thing would be, you know, take a look at that, you
5 know, I mean we have their input, you know, that we're
6 going to have for the ambient at dose rates, but you
7 know, obviously on what the reactor safety team.

8 Do you have any thoughts, you know, about
9 that too. I mean there may be some cross cutting points
10 there. And then I have the action for checking back
11 with NIAS with respect to the long-term decommissioning.

12 So, that's all I hear is the two --

13 MALE PARTICIPANT: Right.

14 MARIE: All right. Good. Thank you.

15 MALE PARTICIPANT: Okay.

16 TODD JACKSON: Thanks.

17 MALE PARTICIPANT: Thanks. Bye.

18 MARIE: Bye.

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(CONFERENCE CALL INITIATED)

MIKE TAKACS: Hello. Mike Takacs from the
NRC Protective Measures Team.

OPERATOR: I've got Todd Massey on the line
for you.

MIKE TAKACS: It's a recorded line?

OPERATOR: Yes.

MIKE TAKACS: Todd Massey?

TODD MASSE: Yes.

MIKE TAKACS: Okay, Todd. What can I do for
you?

TODD MASSE: With whom am I speaking?

MIKE TAKACS: Mike Takacs from the NRC
Protective Measures Team.

TODD MASSE: Hey, Mike. How are you doing?

MIKE TAKACS: Good.

TODDMASSE: I have a question. We are trying
to (inaudible 10:55:26) group. Yesterday we tried to

(b)(5)

it happen for us. This is happening at 3:30 today. It's

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1 with PACOM, Pacific Command. And we were wondering if
2 we could have someone from the PMT to support it.

3 MIKE TAKACS: Okay. And you said this would
4 be for a telecon.

5 TODD MASSE: (b)(5)
6 teleconference, yes. Over in the One White Flint (inaudible
7 10:56:06).

8 MIKE TAKACS: All right. Let me just get

9 (b)(5) All
10 right. (b)(5)

11 (b)(5) I forget.

12 TODD MASSE: (b)(5)

13 (b)(5)

14 MIKE TAKACS: Okay Todd, and you're in the
15 One building, right?

16 TODD MASSE: I'm in Two.

17 MIKE TAKACS: Oh, you're in Two?

18 TODD MASSE: I'm right around the corner
19 from you.

20 MIKE TAKACS: How do you spell your last
21 name, Todd, again?

22 TODD MASSE: M-A-S-S-E.

23 MIKE TAKACS: E, right? You said, okay, Todd.
24 Todd Masse. Okay, and it's a 3:30 call, and just give
25 me the, I'm going to talk to Don here in a minute, the

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1 director, and find out. But the purpose of the call
2 at 3:30? For?

3 TODD MASSE: The purpose of the call is

4 (b)(5)
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11 MIKE TAKACS: Okay.

12 TODD MASSE: So, what we have done, what
13 NRC has done in addition to our team in the embassy is
14 we have Vince Hollahan who has gone over and he is going
15 to be in country today. He's going to be Admiral Willard's
16 sort of right hand man on TMT issues.

17 But they are putting out a, let's see, he
18 told me he was going to be putting out a daily situational
19 report. What they want to do on a daily basis is have

20 (b)(5)
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23 MIKE TAKACS: Okay. Protective measures
24 and for possible troop --

25 TODDMASSE: Correct. (inaudible 10:58:01)

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1 (b)(5)

2 MIKE TAKACS: Okay.

3 TODD MASSE: And this is not something that
4 we've committed to doing on a daily basis, because they
5 are going to have it on a daily basis, but we want to
6 at least, at the DNI's office, what happened is that
7 you had to, Admiral Willard of PACOM calling, literally
8 calling the Director of National Intel and then my group
9 (inaudible 10:58:25) so the DNI reached up to my group
10 to set this up.

11 And so what we'd at least like to do is at
12 least have one (inaudible 10:58:32) where we had someone
13 from the PMT on this (b)(5) so
14 questions that PACOM may have can be asked directly of
15 NRC headquarters. And then we're hoping that once Vince
16 is in place with the Admiral, he'll be able to answer
17 a lot of questions.

18 MIKE TAKACS: And this is Admiral Willard?

19 TODD MASSE: Admiral Willard. Correct.

20 MIKE TAKACS: And PACOM. What's the PACOM,
21 Pacific --

22 TODD MASSE: Pacific Command. (inaudible
23 10:58:54)

24 MIKE TAKACS: Okay. P-A-C-C-O-N or?

25 TODD MASSE: P-A-C-O-M.

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1 MIKE TAKACS: O-M excuse me, yes. Pacific
2 Command. Okay. And that's a 3:30 call Protective
3 Measures. I'll find out from Don, the Director here
4 if he can support, if somebody can support that.

5 TODD MASSE: Okay. What's Don's last name?

6 MIKE TAKACS: Don Coolie. You know him.

7 TODD MASSE: Yes.

8 MIKE TAKACS: Cool, excuse me. And, okay,
9 and we'll get back to you. Todd what --

10 TODD MASSE: (b)(6)

11 MIKE TAKACS: Okay. I'll get back to you,
12 Todd.

13 TODD MASSE: Super. I know there is a 3:00
14 (inaudible 10:59:30) (b)(5)

15 (b)(5) but I think
16 that's, I'm not sure if all the team directors are supposed
17 to be, I know the ET director is going to be there.
18 So, I'm not sure if this is going to conflict with that.

19 MIKE TAKACS: Oh, okay.

20 TODD MASSE: I'm hoping not.

21 MIKE TAKACS: Right. Okay, so and the title,
22 what would be the title name of this telecon.

23 TODD MASSE: I would just say call it a PACOM
24 (inaudible 10:59:54)

25 MIKE TAKACS: PACOM (inaudible 10:59:55).

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1 All right, Todd. I'll talk to Don here, and I'll get
2 back to you.

3 TODD MASSE: Great. Thank you very much,
4 Mike. Appreciate it.

5 MIKE TAKACS: Okay. Sure enough.
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1 (CONFERENCE CALL INITIATED)

2 0%V46VM604065094

3 MIKE TAKACS: NRC Protective Measures Team.

4 Mike Takacs speaking.

5 HEADQUARTERS OPS OFFICER: It's
6 Headquarters Ops Officer. Standby. I'm transferring
7 an individual from the Pentagon to you.

8 MIKE TAKACS: Okay.

9 DEANNE IDAR: Hello.

10 MIKE TAKACS: Hello, this is Mike Takacs
11 from the PMT at the Nuclear Regulatory Commission.

12 DEANNE IDAR: Hi, Mike. My name is Deanne
13 Idar. I'm in the policy office at the Pentagon under
14 Counter Weapons of Mass Destruction. How are you today?

15 MIKE TAKACS: Good. What is your name again?

16 DEANNE IDAR: Deanne, D-E-A-N-N-E.

17 MIKE TAKACS: Deanne.

18 DEANNE IDAR: And last name is Idar, I-D-A-R.

19 MIKE TAKACS: I-D-A-R.

20 DEANNE IDAR: Yes.

21 MIKE TAKACS: Okay.

22 DEANNE IDAR: And our OSD Watch TeaB
23 publishes an executive summary everyday --

24 MIKE TAKACS: Okay.

25 DEANNE IDAR: -- on the Japan situation.

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1 So, one of the executive summary items here says the
2 government of Japan has formal requested the
3 specifications of the specialized pump that separates
4 out radioactivity from contaminated water which is then
5 evaporated. I'm trying to get the ground truth on this.

6 Have you heard anything about this at all?

7 MIKE TAKACS: A specialized pump that
8 separates radioactivity from sea water, from contaminated
9 water?

10 DEANNE IDAR: Yes, contaminated water.
11 I've never heard of anything of the sort, but, you know.

12 MIKE TAKACS: Separates contaminated. I've
13 never, but I'm going to continue this. Let me see,
14 separates the contamination out of, purifies basically
15 the water.

16 DEANNE IDAR: Yes. By golly, that would be
17 quite a deal.

18 MIKE TAKACS: A pump by itself, no, but I'm
19 going to look into this, but they may be thinking of
20 the ion exchange, a filtration process system, not just
21 a pump by itself.

22 DEANNE IDAR: Okay. Is this something that
23 the NRC has cultivated? Or is it just a capability that's
24 in general?

25 MIKE TAKACS: Let me follow up with this

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1 to get a complete response to you, Deanne. Deanne, right?

2 DEANNE IDAR: Yes, you got it.

3 MIKE TAKACS: And, Deanne, policy office
4 for again?

5 DEANNE IDAR: Counter Weapons of Mass
6 Destruction.

7 MIKE TAKACS: Counter Weapons. I got to
8 write everything down here.

9 DEANNE IDAR: Yes. It's called CWMD, and
10 we work with the Japan office here and with the Humanitarian
11 Assistance Disaster Relief office.

12 MIKE TAKACS: Okay.

13 DEANNE IDAR: To address these issues on
14 the policy side.

15 MIKE TAKACS: Okay, and Deanne, this was
16 on an executive summary. Can you send me an email on
17 this?

18 DEANNE IDAR: (b)(5) I can
19 send you an email on it.

20 MIKE TAKACS: (b)(5) I should be able to.
21 Let me just see if I have the right email address here.

22 DEANNE IDAR: Because I've got to make sure
23 I can actually it out.

24 MIKE TAKACS: I'll tell you what, no I'll
25 explain it then. No problem. I don't want to create

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1 anymore --

2 DEANNE IDAR: Yes. Let's not get into a
3 situation, but again, yes, it was in the executive summary
4 from the OSD Watch Office, as we call it.

5 MIKE TAKACS: OSD Watch Officer.

6 DEANNE IDAR: Watch, just Watch Office.

7 MIKE TAKACS: Okay. And that's within the
8 Counter Weapons of Mass Destruction group?

9 DEANNE IDAR: No. OSD Watch is under the
10 Office of Secretary of Defense.

11 MIKE TAKACS: Oh.

12 DEANNE IDAR: Okay. And, so, they help watch
13 different things depending upon what's going on.

14 MIKE TAKACS: All right. And so, Deanne,
15 your number? I'm going to have to get back to you then,
16 right?

17 DEANNE IDAR: Yes.

18 MIKE TAKACS: And what's your number?

19 DEANNE IDAR: 703-571-2327.

20 MIKE TAKACS: 703-571-2327. And let me just
21 ask you a few more questions, Deanne, so I make sure
22 I understand.

23 DEANNE IDAR: Yes.

24 MIKE TAKACS: They're looking for a system
25 not just a pump, my guess would be, to purify --

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1 DEANNE IDAR: Contaminated water. Yes.

2 MIKE TAKACS: Yes. And anything specific
3 on particular contaminants or just, there's no technical
4 information, no specific --

5 DEANNE IDAR: No not at all, and that's what
6 bugs me because I'm a technical person. I'm a PhD physical
7 chemist. And so, I got told this this morning by a colleague,
8 and I'm like whoa what are they talking about. And I'm
9 assuming this means the contaminated water that supposedly
10 leaking out of the reactor, right.

11 MIKE TAKACS: Right, so they want to be able
12 to purify this water, my guess would be, is what they're
13 asking. Impurities, radioparticals that they can purify
14 out of it.

15 DEANNE IDAR: Yes. And I'm not trying to
16 provide the capability. All I'm trying to do is run
17 the ground truth does this capability exist.

18 MIKE TAKACS: Exist.

19 DEANNE IDAR: Yes. And if it does, do we
20 have an understanding of what it's capable of and not
21 capable of. That's all.

22 MIKE TAKACS: Right.

23 DEANNE IDAR: You know, because it's not
24 my job to offer it. It's not my job to say that it's
25 there for the taking or anything like that. Because

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1 I'm not --

2 MIKE TAKACS: You just want to know a level
3 of capability within our system, so we, you know. And
4 the only question that is probably going to come up from
5 here is what type of impurity or radiological partials
6 that they're talking about. But I'll try to get a big
7 picture here for what's going on.

8 DEANNE IDAR: Okay. And I called the
9 Department of Energy Op Center as well. And so, let
10 me tell you, Mike, I'm an IPA from Los Alamos National
11 Laboratory out here for the year. I started in October.

12 MIKE TAKACS: Okay.

13 DEANNE IDAR: And I'll touch base with them
14 again to let them know and touch base with you guys.

15 MIKE TAKACS: Okay.

16 DEANNE IDAR: To see what we can get here.
17 But, yes. It just seems to me, I've never heard of this
18 capability. So, to have a colleague in the military
19 tell me about it this morning I was kind of like huh?

20 MIKE TAKACS: Okay.

21 DEANNE IDAR: You know, what are you talking
22 about.

23 MIKE TAKACS: I understand. What I may need
24 to do is get more technical information from you, maybe.
25 But let me do some background checking here with the

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1 guys here. I'm just speaking from my experience and
2 understanding in the nuclear business.

3 DEANNE IDAR: Right.

4 MIKE TAKACS: For purification of water
5 that's contaminated.

6 DEANNE IDAR: Yes. Right. I have nothing
7 more technical at all. And that's why I'm trying to
8 chase it down is because I'm trying to get it more technical
9 so I have an understanding of it and I can readily explain
10 it to colleagues.

11 MIKE TAKACS: Okay.

12 DEANNE IDAR: Because I'll be asked about
13 it, no doubt, given the fact that it has the technical
14 side of it. I'm a spectroscopist by training.

15 MIKE TAKACS: Sure. Okay.

16 DEANNE IDAR: And so, anyhow, that's why
17 I'm trying to get at it. Better yet, if we have a website
18 of something that describes it that I can dig into, that
19 would be awesome.

20 MIKE TAKACS: Okay, and let me just make
21 sure this is the policy office in the Pentagon under,
22 I mean the Counter Weapons of Mass Destruction.

23 DEANNE IDAR: Yes.

24 MIKE TAKACS: And what was that acronym,
25 CWMD?

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1 DEANNE IDAR: D, yes. That stands for
2 Counter Weapons of Mass Destruction. Yes.

3 MIKE TAKACS: And the chain it goes from
4 Pentagon, CWMD to the policy office within CMD?

5 DEANNE IDAR: No. Okay. Yeah, you're not
6 familiar with the Pentagon. Neither was I.

7 MIKE TAKACS: No.

8 DEANNE IDAR: It's a real interesting place.
9 Okay. So, you know, the Department of Defense has the
10 Office of Secretary of Defense which is OSD.

11 MIKE TAKACS: Right.

12 DEANNE IDAR: Okay, under OSD he has multiple
13 Under Secretaries. And his Under Uecretary, one of them
14 is the Policy Under Secretary.

15 MIKE TAKACS: Policy. Okay.

16 DEANNE IDAR: And under that, then there's
17 multiple Assistant Secretary of Defense.

18 MIKE TAKACS: Okay.

19 DEANNE IDAR: Okay, so, next one in line
20 for me is Global Strategic Affairs.

21 MIKE TAKACS: Okay.

22 DEANNE IDAR: Okay from there, then that
23 drops into what we call Deputy Assistant Secretaries
24 of Defense.

25 MIKE TAKACS: Okay. Right.

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1 DEANNE IDAR: Now you're getting into
2 Countering Weapons of Mass Destruction.

3 MIKE TAKACS: Oh, so that's down. That's
4 the base group.

5 DEANNE IDAR: Down. Yes. So, in policy he
6 has multiple Assistant Secretary of Defenses.

7 MIKE TAKACS: Right, but the main one I'm
8 dealing with is Counter Weapons Mass Destruction.

9 DEANNE IDAR: Right.

10 MIKE TAKACS: Okay, and is that your group
11 you're part of?

12 DEANNE INAR: In that I'm one of three, I'm
13 in one of three teams under that. Rebecca Hersman is
14 the DASD, Deputy Assistant Secretary of Defense.

15 MIKE TAKACS: Okay.

16 DEANNE INAR: I work for her director, Laura
17 Gross who has Chem-Bio Rad/Nuc. So, now you get a better
18 feel for --

19 MIKE TAKACS: I got you. All right. So,
20 basically, the bottom line is your looking for, they're
21 looking for portable systems to do purifications for
22 --

23 DEANNE INAR: I'm trying to get ground truth
24 on is there anything of the sort and what are the facts
25 on that. I'm not looking for the system. I want to know

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1 does the system exist and what does it do in the sense
2 that, again, I'm not going to offer it. And that's not
3 my job to offer it to the government of Japan, but if
4 somebody else is offering it, I need to understand what
5 it is so that we can describe it and say whether it's
6 really going to do the trick or not.

7 MIKE TAKACS: Right and it obviously has
8 to be a portable system to go in place to help do what,
9 and the bottom line is to purify the contaminated water
10 there.

11 DEANNE INAR: You got it.

12 MIKE TAKACS: Okay. I will get back to you,
13 Deanne.

14 DEANNE INAR: Okay.

15 MIKE TAKACS: Let me do some talking here
16 with the staff.

17 DEANNE INAR: Okay. Sounds good. It will
18 be interesting if there is such a thing and to see how
19 it works, so.

20 MIKE TAKACS: Okay.

21 DEANNE INAR: And, you know, it could very
22 well be because I'm just not familiar with all the
23 capabilities by any means, and I know that.

24 MIKE TAKACS: Okay. No problem, Deanne.
25 And the questions will come up as specifics will be asked

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1 of me. What are they really trying to do. And I need
2 to figure that out.

3 DEANNE INAR: Because that's your question
4 for me.

5 MIKE TAKACS: What do they want to do with
6 this? I mean, they want to see how clean they can get
7 water, obviously, from the levels that are in there.

8 DEANNE INAR: I'm assuming so, yes.

9 MIKE TAKACS: Okay. Let me get back to you.

10 DEANNE INAR: Sounds good. Thank you, Mike.

11 MIKE TAKACS: You're welcome, Deanne.

12 DEANNE INAR: Okay. Bye bye.

13 MIKE TAKACS: Bye.
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(CONFERENCE CALL INITIATED)

AUTOMATED MESSAGE: You have reached the mailbox of Deanne Idar. Please record your message after the tone.

MIKE TAKACS: Yes, Deanne. This is Mike Takacs from the Nuclear Regulatory Commission. You called about 15 minutes ago regarding a filtration pumping capability. I have some information I just want to provide you. So, if you can give me a return call, all right, at 301-816-5184, and I'll discuss with you. Okay, Deanne.

Thank you.

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(CONFERENCE CALL INITIATED)

TODD MASSE: Todd Masse.

MIKE TAKACS: Hey, Todd. It's Mike Takacs

at the --

TODD MASSE: Hey, Mike. How are you?

MIKE TAKACS: Very good.

TODD MASSE: Thanks for getting back to me.

MIKE TAKACS: Sure thing. We will have

support for you at 3:30.

(b)(5)

(b)(5)

So, Don

Cool will be there and --

TODD MASSE: Don Cool (b)(5) right?

MIKE TAKACS: Yes, and Trish

Hollahan.

(b)(5)

TODD MASSE: Is she going to be there too?

MIKE TAKACS: Yes she is. Both of them will

be at 3:30.

TODD MASSE: And that's over in the One White

Flint.

MIKE TAKACS: What's the floor again?

TODD MASSE: (b)(5) I don't

actually have the room number.

MIKE TAKACS: That's okay.

TODD MASSE: One White Flint (inaudible

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1 10:44:36). Everyone knows where it is.

2 MIKE TAKACS: You're right. One White
3 Flint, right?

4 TODD MASSE: Yes.

5 MIKE TAKACS: What is the one in the Two
6 Building? Is it --

7 TODD MASSE: There one in the Two Building
8 right around the corner from where you are. Right around
9 the corner from the Op Center.

10 MIKE TAKACS: It is. Okay.

11 TODD MASSE: Yes.

12 MIKE TAKACS: Thanks. All right. All
13 right, Todd. We're all set.

14 TODD MASSE: Thank you, Mike. I appreciate
15 it.

16 MIKE TAKACS: You got it.

17 TODD MASSE: Bye now.

18 MIKE TAKACS: Bye.
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(CONFERENCE CALL INITIATED)

AUTOMATED MESSAGE: Welcome to the conference calling center. At anytime during this message, please enter your pass code followed by the pound sign. You're pass code has been confirmed. If you need technical assistance during your call, press star 0. After the tone, please state your name followed by the pound sign.

MIKE TAKACS: Mike Takacs, NRC.

AUTOMATED MESSAGE: There are eight parties in conference including you.

MIKE BROOKS: Mike Brooks, ATSDR.

SCOTT HUDSON: Okay everybody. I'm sorry.

I should have mentioned I was still a couple minutes early, and I was just checking to see that I got through.

I'll go through the agencies as best I can here in just a second. I want to wait a couple more minutes to let everybody get on.

SCOTT HUDSON: All right everybody. I think we can probably go ahead and get started. Again, my name is Scott Hudson. I'm sort of babysitting the advisory team call for Ed Tupin. And first of all, I'd like to just go ahead and do a roll call. I'll try to do a better job than I did yesterday. So, I'm going

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1 to try to go by agency as best I can. So, first, USDA
2 please. Anybody on the line from USDA?

3 GORDON CLEVELAND: Gordon Cleveland.

4 SCOTT LOUGH (unverified): Scott Lough.

5 STEVE PETCH (phonetic): Steve Petch.

6 SCOTT HUDSON: Okay. Thank you. Anybody
7 from FDA?

8 JIM SHIRNIAC (unverified): Jim Shirniac.

9 RACHEL EVANS: Rachel Evans.

10 BILL CUNNINGHAM: Bill Cunningham.

11 GEORGE ALLEN: George Allen.

12 JEFF SINSEC (phonetic): Jeff Sinsec.

13 SCOTT HUDSON: Okay. Thank you. How about
14 CDC.

15 LYNN EVANS (phonetic): Lynn Evans.

16 (inaudible 11:55:58)

17 MIKE BROOKS: Mike Brooks.

18 JERRI ANDERSON (unverified) : Jerri
19 Anderson.

20 PAUL SHARP: Paul Sharp.

21 SCOTT HUDSON: All right. Thank you.
22 Anybody from NIOSH?

23 JERRI ANDERSON: Yes. That was Jerri.

24 SCOTT HUDSON: Oh, sorry. Okay. Thank you.
25 Okay. Any other agency that's got an Advisory Team

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1 member that I've omitted or not mentioned yet?

2 GENE (inaudible 11:56:32): Gene
3 (inaudible 11:56:32), U.S. EPA Region Five.

4 SCOTT HUDSON: Thank you.

5 MIKETAKACS: Mike Takacs, NRC with Don Cool,
6 NRC Headquarters.

7 SCOTT HUDSON: Thank you. Any other EOE,
8 DOE or NRC folks?

9 KIRK LACKMAN (phonetic): This is Kirk
10 Lackman with the DOE Consequence Management Home Team.

11 TOM LESH (phonetic): You got Tom Lesh with
12 the CM Home Team for Assessment.

13 SCOTT HUDSON: Okay. Any other
14 participants?

15 (inaudible 11:57:04) from OSHA National
16 Office and some others.

17 (inaudible 11:57:09) from CBP.

18 TODD DONAKE (phonetic): Todd Donake, CBP.

19 JOHN JENSEN: John Jensen, USDA.

20 BRIAN GRAHAM: Brian Graham, USDA.

21 ELLEN MARKMAN (phonetic): Ellen Markman,
22 FDA.

23 SCOTT HUDSON: Okay. Great.

24 STEVE WOODS: Hello.

25 SCOTT HUDSON: I'm sorry. Go ahead.

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1 STEVE WOODS: Yes. This is Steve Woods.
2 I'm with the California Department of Public Health.

3 JERRY HENSLEY (unverified): Jerry Hensley,
4 California Department of Public Health.

5 SCOTT HUDSON: All right. Anyone else?
6 (inaudible 11:57:47) with FEMA.

7 SCOTT HUDSON: All right. Anyone else?
8 All right. We had sent out an agenda for today's call.

9 (b)(5)
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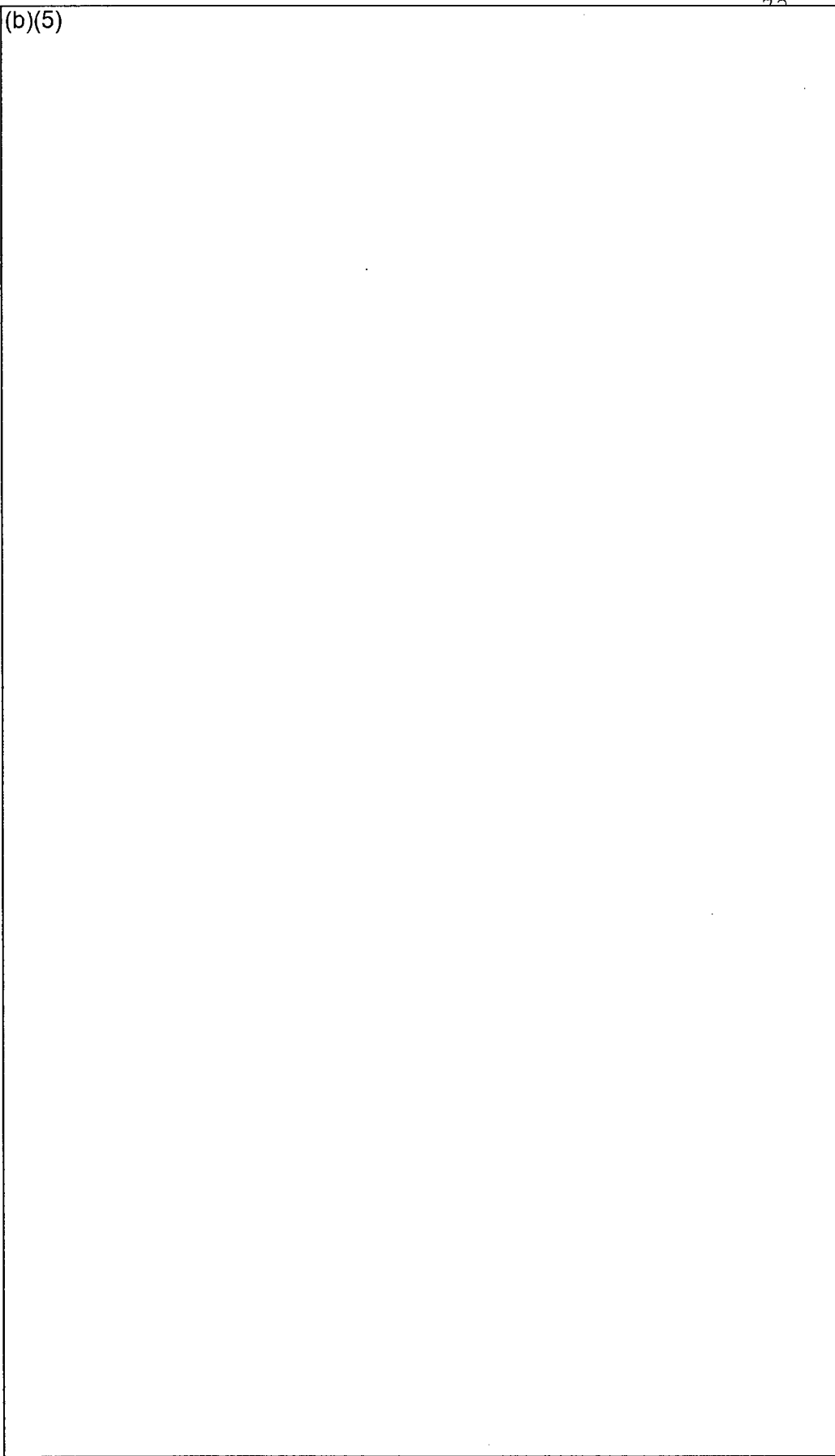
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1 those for a few minutes if anybody is interested, but
2 anyway, that's kind of the position on trying to elevate
3 the training level guidebook. So, anybody else on
4 discussion or interest in that particular item?

5 TODD DONAKE: This is Todd Donake. I just
6 wanted to mention that I sent some brief empirical testing
7 that we did yesterday to Mr. Tupin and, I'm not sure
8 if I've got the pronunciation of his name right, Darrel
9 Lyles.

10 MALE PARTICIPANT: Darrel Lyles (phonetic).
11 He's sitting right here.

12 TODD DONAKE: Lyles, I'm sorry. And
13 hopefully you can take a look at that just to see what

14 (b)(5)
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18 SCOTT HUDSON: Yes. Appreciate that.
19 That did help us kind of confirm some of the assumptions
20 that we made. So, thank you for that.

21 TODD DONAKE: You're welcome.

22 LYNN EVANS: Scott, this is Lynn at CDC.
23 So, this paper containing the options from EPA were
24 sent out to whom for comment?

25 SCOTT HUDSON: We know (inaudible 12:00:59)

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1 that went out. I know that our environmental unit sent
2 that out basically --

3 MALE PARTICIPANT: It went to (b)(6) I'm
4 sure, (b)(6) at (inaudible 12:01:08)

5 SCOTT HUDSON: So, it went to (b)(6)
6 (inaudible 12:01:10) we believe.

7 MALE PARTICIPANT: Haven't seen it come back
8 around yet.

9 SCOTT HUDSON: To be honest, Lynn, I'd have
10 to go ask my division director to get who it actually
11 went to. I just saw an email and said that it went out,
12 so, actually Darrel might look that up for us here in
13 just a second.

14 LYNN EVANS: Okay. So, there's nothing
15 your waiting on for the other Advisory Team members
16 at this time.

17 SCOTT HUDSON: No. There actually isn't.
18 I guess one thing that would just ask, I believe from
19 the way I've seen this happen, is the starting point
20 needs to be the Advisory Team come up with some sort
21 of recommendation, you know, what is it that we propose.

22 (b)(5)
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1 that's the recommendation.

2 So, I think out of the four options there
3 that I mentioned that the Advisory Team has got any
4 sort of group consensus on which one is the most appealing,
5 that might be useful (inaudible 12:02:03).

6 LYNN EVANS: Okay, but we haven't seen
7 (inaudible 12:02:06) document yet, right? It's still
8 within EPA.

9 SCOTT HUDSON: From what I understand,
10 currently it is. I believe it was trying to go broader
11 just recently.

12 MALE PARTICIPANT: If I could, (b)(5)

13 (b)(5)
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20 SCOTT HUDSON: Well, Lynn, am I kind of
21 guessing right that you'd like to see this?

22 LYNN EVANS: No. I'm just trying to get,
23 to understand. It sounds like it's still being
24 circulating for some initial comments and then it will
25 be given to the Advisory Team member agencies for their

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1 comment. Is that what I heard?

2 SCOTT HUDSON: Well, I believe so. I'm also,

3 (b)(5)
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12 LYNNEVANS: Frankly, as far as I'm concerned,

13 that would be a good way to handle it.

14 MALE PARTICIPANT: (inaudible 12:03:41)

15 SCOTT HUDSON: It may very well be that it
16 has escalated beyond our touch. I was reading off the
17 options just to make people sort of aware of the options
18 that might potentially be developed in the future.

19 So, if the Advisory Team becomes, you know,
20 some sort of feeling one way or the other about each
21 one of those options what is the most potentially
22 acceptable to the group that might be something useful.

23 But again, obviously, it's hard to do if you haven't
24 actually pen to paper yet.

25 MALE PARTICIPANT: Well, we'll see about

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1 getting it out today.

2 SCOTT HUDSON: All right. So, Ed says that
3 we'll try to see about getting that out to everybody.

4 RON GRANT (phonetic): Okay, this is Ron
5 Grant from FSIS USDA. So, currently right now, we have,

6 (b)(5)
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10 correct me if I'm wrong, but the substance of the discussion
11 yesterday, was that the current position paper that
12 EPA has concurred with in the Advisory Team is still
13 draft and that you are continuing to use the guidance
14 that you were using last week. Is that correct?

15 RON GRANT: That's correct.

16 SCOTT HUDSON: So, level four.

17 MALE PARTICIPANT: (inaudible 12:05:00)

18 (b)(5)
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25 So, you know, we keep on saying this, and

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1 (inaudible 12:05:32) past two weeks is that (inaudible
2 12:05:36) (b)(5)

3 (b)(5)
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8 MALE PARTICIPANT: All right. But then I

9 (b)(5)
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14 MALE PARTICIPANT: I mean, you're talking

15 (b)(5)
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20 MALE PARTICIPANT: Yes.

21 MALE PARTICIPANT: (b)(5)

22 (b)(5)
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1 SCOTT HUDSON: All right. Thank you. I

2 (b)(5)
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6 MALE PARTICIPANT: That's what the Advisory
7 group is working on. But what we have to realize is
8 that the normal (inaudible 12:07:12) operations, what

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25 SCOTT HUDSON: All right. Understood. I

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1 guess the question then is, now if I'm phasing this

2 (b)(5)
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6 MALE PARTICIPANT: Right. I mean, what's

7 (b)(5)
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10 MALE PARTICIPANT: That makes sense.

11 MALE PARTICIPANT: Right now, I'm not sure.

12 (b)(5)
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16 (b)(5)

Am I right Patrick?

17 PATRICK: Yes. That's correct. Last

18 (b)(5)
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25 (b)(5)

(inaudible 12:09:25)

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SCOTT HUDSON:

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MALE PARTICIPANT: I mean, it could be, but
the Advisory group is basically, you know, rather than
just appear (inaudible 12:09:58) they're honing in on

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MALE PARTICIPANT: Yes. (inaudible

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MALE PARTICIPANT: (inaudible 12:13:33)

SCOTT HUDSON: Well, it sounds to me like

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MALE PARTICIPANT: Right.

SCOTT HUDSON: We certainly can provide

(b)(5)

MALE PARTICIPANT: Yes. No, and I agree.

(b)(5)

SCOTT HUDSON: Well, that's certainly an option. I'm curious. Is there any other, do you have

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MALE PARTICIPANT: No, because the other

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MALE PARTICIPANT: You know, I think, just listening to Scott react, I think if you had better instrumentation and better health physics you'd be able to make better informed decisions. I don't know what else to --

MALE PARTICIPANT: And you're right. The

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4 SCOTT HUDSON: All right. Yes. Easy
5 enough. But I did offer that, you know, I would circulate
6 a request to the broader Advisory Team. (inaudible
7 12:17:35)

8 MALE PARTICIPANT: Yes. If you get
9 anything back, let us know.

10 SCOTT HUDSON: Yes. Sure thing.
11 Everybody, you know, there are lots of folks that are
12 out for using pagers to do various things. If anybody
13 has anything that might be an appropriate tool or document,
14 any sort of guidance that would help run out in a situation
15 that we could try to get together and, you know, find
16 some possible sources and then maybe a subgroup can
17 get together and kind of customize that guidance for
18 you. (inaudible 12:18:01)

19 MALE PARTICIPANT: All right. Thanks a lot.
20 We can probably go on other things now.

21 SCOTT HUDSON: All right. Thank you. Real

22 (b)(5)

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MALE PARTICIPANT: (b)(5)

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SCOTT HUDSON: (inaudible 12:19:26)

MALE PARTICIPANT: Okay. Thanks.

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SCOTT HUDSON: All right, well, I think that leaves us down to about eight items on our agenda. So, I'm just going to try to go through them in order. We had talked about the re-entry guidance that was offered up for temporary return to the (inaudible 12:19:45)

MALE PARTICIPANT: Let's get these terms

(b)(6)

in. Because, if we can do the (inaudible 12:19:53) we just have a (inaudible 12:19:56).

SCOTT HUDSON: All right. Well, I'm just trying to describe the products as they are currently described.

MALE PARTICIPANT: (b)(6)

we have currently.

SCOTT HUDSON: What we're offering up is

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1 and attend to personal matters?

2 LYNN EVANS: I'm sorry this is Lynn, CDC.

3 So, is this a document that EPA has written and will
4 issue as an EPA document or EPA guidance?

5 SCOTT HUDSON: Currently it was, it came
6 from the NRC. We were asked to concur with it. EPA
7 has concurred with it. And that's kind of where it is
8 now. And the Advisory Team is being asked to weigh in
9 on it, provide comments or suggestions.

10 LYNN EVANS: Okay. Well, that's something
11 that I would think needs to be indicated in here that
12 it is an NRC document. That's something that I, I'm
13 not sure if I, I think I was on mute when I said something
14 just a second ago. I think it needs to be indicated
15 in the document that it is an NRC document. That needs
16 to be made clear.

17 SCOTT HUDSON: All right. Maybe I wasn't,
18 NRC originally offered up some suggestions. EPA worked
19 on it as well. So, both agencies have kind of got it
20 in the shape that they're comfortable with. And right
21 now, you know, it's sort of a joint collaboration
22 (inaudible 12:23:01)

23 MIKE TAKACS: This is Mike from the NRC.
24 I just want to verify that it is an NRC document.

25 SCOTT HUDSON: Great. Thank you. So, we

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1 attached that to the call yesterday. Does anybody feel
2 like they know enough about it to offer up consensus
3 or agreement on that now or do we need to look at it
4 longer?

5 FEMALE PARTICIPANT: This is (inaudible
6 12:23:30) I think this is all pretty reasonable. The

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15 SCOTT HUDSON: I don't think the
16 recommendations are requiring that. I was just
17 mentioning that to point out that the way it's written
18 those are some of the things that could potentially
19 could happen.

20 FEMALE PARTICIPANT: Okay. I just wanted
21 to state that.

22 SCOTT HUDSON: Great. Thank you.

23 GENE: Yes, Scott. This is Gene. It looks
24 like a good paper. It looks like a good paper. It's
25 pretty conservative. (inaudible 12:24:24) you have a

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1 dose limit of about five rem, you know, looks to
2 occupational guidelines, 50 millirem. This is pretty
3 low.

4 SCOTT HUDSON: All right. Well, I guess
5 I just want kind of a sense if I can get some input
6 for each of the agencies. Is it acceptable as is or
7 do we need some time to comment and review. And, you
8 know, you can just give me, you know, an answer. You
9 know, we're good now or we would like more time to review
10 or we simply don't know enough to make a decision. So,
11 I've got a bunch of folks from EPA. What do we feel
12 like is good.

13 MALE PARTICIPANT: This is (inaudible
14 12:25:02) from CDC in the first paragraph second like
15 you have 50 mile and then in the line one before to
16 the last you have 20 kilometers. Maybe you should uniform
17 the units. You know (inaudible 12:25:17), convert it
18 to --

19 MALE PARTICIPANT: Oh thank you. That's
20 a good suggestion. Yes. We will certainly (inaudible
21 12:25:23). Thank you. That's a good suggestion. As
22 far as EPA, its seems like most EPA folks are willing
23 to give us a thumbs up. How about USDA? I'm sorry I
24 didn't hear that.

25 JOHN JENSEN: Yes. This is John Jenson.

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1 It's good by me.

2 SCOTT HUDSON: Thank you. Other USDA
3 folks.

4 MALE PARTICIPANT: Same thing.

5 MALE PARTICIPANT: Agree.

6 SCOTT HUDSON: Thank you. FDA?

7 MALE PARTICIPANT: It's good by me.

8 SCOTT HUDSON: Thank you. CDC?

9 MALE PARTICIPANT: It's not really in our
10 zone. We'll just pass. It looks okay, but it's not
11 our, not in our area.

12 SCOTT HUDSON: I'm certain you can abstain
13 if you want.

14 LYNN EVANS: Who was speaking please?

15 SCOTT HUDSON: For CDC, this is Scott Hudson
16 running the call.

17 LYNN EVANS: Who was speaking for CDC?

18 MALE PARTICIPANT: CDP, sorry.

19 LYNN EVANS: I'm sorry. Excuse me.

20 SCOTT HUDSON: Oh, my mistake. I was asking
21 for concurrent for CDC, Center for Disease Control,
22 Disease Prevention.

23 LYNN EVANS: I think the consensus here is
24 let it go.

25 SCOTT HUDSON: All right. Well, I guess

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1 let me just kind of see. Does anybody have any problems
2 that they feel like need to be referenced or we can
3 just kind of you know, say that the group was good with
4 it. Does anybody have any problem with saying that the
5 A Team has provided their consensus with it?

6 MALE PARTICIPANT: (inaudible 12:26:57)

7 SCOTT HUDSON: All right. Well, I'm going
8 to go ahead and say that in our notes that Advisory
9 Team has seen it and that they approve of it. Okay.

10 (b)(5)

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17 MALE PARTICIPANT: I think we might have
18 had, this is CBP all right, I think we might have had
19 sort of a discussion before relating to CBP.

20 SCOTT HUDSON: All right. So, that's

21 (b)(5)

22 MALE PARTICIPANT: Yes, sir. That's
23 (inaudible 12:27:31). Yes.

24 SCOTT HUDSON: All right. Great. Thank
25 you. All right, then, moving on. I've got a bullet

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1 item that says the Tokyo embassy request for onsite
2 assistance. Does anybody have any information?

3 MALE PARTICIPANT: I put that there when
4 we got that initial request, and I believe FDA has responded.

5 And I guess that's a response for the Advisory Team
6 and Mike Nosca (phonetic) is en route.

7 SCOTT HUDSON: All right. Thank you.
8 That's all the information I had on that as well.

9 MALE PARTICIPANT: If Charles is on he might
10 know more (inaudible 12:28:07).

11 SCOTT HUDSON: Does anybody know if Charles
12 Miller is on the phone call by any chance? If not, I
13 don't believe we have more information on that then
14 --

15 RACHEL EVANS: This is Rachel Evans from
16 FDA. On our call, we were told that Mike Nosca is expected
17 to arrive in Tokyo at about 2:00 a.m. Eastern time.
18 So, he is en route.

19 MALE PARTICIPANT: Rachel, do you know if
20 his email will work there?

21 RACHEL EVANS: As far as I know, it will
22 work. Mike did send an email out to some of the FDA
23 staff asking us to keep him in the loop. So, I think
24 he's under the impression that it will still work. We
25 haven't heard anything, you know, to the contrary.

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1 SCOTT HUDSON: Okay. Great.

2 MALE PARTICIPANT: (inaudible 12:28:53)
3 we'll know tomorrow. Standby.

4 SCOTT HUDSON: All right. Well, if we get
5 an update on that, we'll mention that during tomorrow's
6 call.

7 RON: This is Ron (inaudible 12:29:01).
8 Do we know, is Mike there representing (inaudible 12:29:05)
9 by FDA or is he there representing the FDA consultant
10 of the Advisory Team?

11 ELLEN MORRISON (phonetic): This is Ellen
12 Morrison, FDA. He was, the request came into the
13 department, HHS, and, I think, I believe they send someone
14 from NIH as well. So, he is representing FDA, but the
15 expertise that he's offering is partly because he's
16 on the Advisory Team, I suppose. But, they were asking
17 for health physicists.

18 And so, there's a team of five, is my
19 understanding. Norm Coleman (unverified), among others,
20 who are representing the U.S. Government. But I don't
21 think they're considering it, and I could be wrong,
22 an Advisory Team deployment, they're considering an
23 FDA one.

24 MALE PARTICIPANT: Yes, so he may not be
25 having (inaudible 12:29:52) spend a lot of time on

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1 addressing Advisory Team issues.

2 FEMALE PARTICIPANT: No. That's right.
3 That's why Rachel is on, and, I think, Scotty, are you
4 on too, from FDA?

5 JIM SHIRNIAK: No. Jim Shirniak is.

6 FEMALE PARTICIPANT: Oh, Jim, so (inaudible
7 12:30:06). Sorry. Who else?

8 KAREN SMALLWOOD (phonetic): Karen
9 Smallwood.

10 FEMALE PARTICIPANT: Oh, Karen. So,
11 there's a couple other FDA folks. I believe, Rachel,
12 Mike asked you to sit in this week and Scotty next week?

13 RACHEL EVANS: That's correct. I'm
14 covering for Mike this week. Scotty's covering next
15 week for the Advisory Team. And then Jim is covering
16 for the technical side of FDA.

17 SCOTT HUDSON: Okay. Thank you. Anymore
18 discussion on the Tokyo embassy request? Okay, next
19 I have a USAID request for nuclear capabilities
20 assistance.

21 JOHN JENSEN: This is John --

22 SCOTT HUDSON: Go ahead.

23 JOHN JENSON: This is John Jensen from USDA.
24 I put that on the agenda today or yesterday. Just wanted
25 to let everyone know that I've seen circulated a request

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1 from USAID who, they do not have a standing, you know,
2 group there in Japan because it's a western country
3 and then they don't usually get AID involved there.

4 But they've put out a request from the
5 Japanese government for some nuclear capabilities, and
6 I just wanted everybody to know that there was a kind
7 of another request circulating around. And I'm sure
8 we're all responding to it in different ways, and we've
9 provided some capabilities through other routes. So,
10 but, I've seen it out there and just wanted to bring
11 it to everybody's attention.

12 SCOTT HUDSON: Thank you. Was that the
13 request that mentioned three categories of items, the
14 robot or remote control vehicles, that sort of thing?

15 JOHN JENSEN: I believe it may be. I've
16 seen other --

17 SCOTT HUDSON: All right. Fair enough.
18 I'm asking blind as well.

19 JOHN JENSEN: I got you.

20 SCOTT HUDSON: All right. Does anybody
21 else have any other information on the (inaudible 12:31:58)
22 ID request? All right. Well, that's something to look
23 for. If we happen to see that, we'll attach it to an
24 agenda on a future call. All right.

25 (b)(5)

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21 JOHN JENSEN: This is John Jensen again from
22 USDA. I don't know if Mike Boyd is on the line, Scott.
23 But Mike and I had this discussion last week recognizing,
24 I think, that there are no, you know, automatic triggers,
25 that it is was just going to be based on what folks

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1 saw and kind of numbers and what seemed to be the likely
2 need to do some additional monitoring. That sort of
3 thing. But, and maybe now was kind of a busy time to
4 bring it up, but we were starting at least thought we
5 might put a little team together to think about it.

6 (b)(5)

7 (b)(5)

8 I think, and so, I don't know if this
9 is the right time to go into that. But Mike Boyd and
10 I were kind of talking about that.

11 SCOTT HUDSON: All right. Thanks. Mike
12 is actually in the room. Mike do you have anything to
13 add to that?

14 MIKE BOYD: We have a work group including
15 John and Jim Shirniak and some folks from CDC as well,
16 but I think events sort of overtook us, and we started,
17 you know, we're talking about maybe using one percent
18 of a PAG as a imperfect trigger. We haven't seen anything
19 yet that would trip that except for possibly the rainwater.
20 So, we're, it's still very much a live issue, but I
21 don't think we've, I think it's sort of an ad hoc decision
22 at best at this point.

23 SCOTT HUDSON: All right. Thanks, Mike.

24 ELLEN MORRISON: Can I ask a question? This
25 is Ellen Morrison from FDA. Is anyone actually testing

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MALE PARTICIPANT:

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ELLEN MORRISON: So, would that data be published on the EPA website?

MALE PARTICIPANT: My understanding it will be, yes.

MALE PARTICIPANT: Yes. Once it actually makes it through the system and we get it back up to the Net, yes it would be --

ELLEN MORRISON: Yes. (b)(5)

(b)(5)

MALE PARTICIPANT: Okay. Understood.

ELLEN MORRISON: Thank you.

SCOTT HUDSON: The trigger issue for the other piece of that, that is what would trigger increase sampling frequency not just our "regular quarterly sampling." But if we get a level of X or Y, should we

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1 go to more frequent sampling? That's still an open
2 question, I believe, that maybe Mike and John and some
3 others (inaudible 12:35:52) to find it continue working
4 on that issue to come to, to rustle that to ground.

5 MALE PARTICIPANT: Yes.

6 LYNN EVANS: This is Lynn at CDC. I would
7 encourage that too because I know our director keeps
8 asking us for that information.

9 STEVE WOODS: Yes. This is Steve Woods from
10 California Department of Public Health. This is why
11 I'm actually on the call today because we're looking

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6 it.

7 SCOTT HUDSON: That would be great, Steve,
8 to share our collective wisdom on this particular topic.

9 Because it's, as you say, not one that we have a ready
10 made answer for.

11 STEVE WOODS: And I'm also in contact with
12 the State of Washington. I put a call in this morning.

13 I also spoke with the gentleman from the RAD program
14 in the State of Oregon. Oregon is very much like
15 California, have been working the issue and have been
16 trying to figure out what that trigger number is.

17 I assume other western states are probably
18 doing the same. So, just let me know if (inaudible
19 12:37:43) and Ed you have my contact numbers. So, you
20 can contact me if you want us to participate.

21 SCOTT HUDSON: Thanks, Steve.

22 LYNN EVANS: So, Mike and Ed, this is Lynn.
23 I would like to encourage that too. That sounds like
24 a very good addition to this small working group. So,
25 does it sound like this small working group is going

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1 to ramp up a little bit to tackle this issue now?

2 ED: Yes. It's sort of because of events,
3 you know, last Friday, and it came from a back burner
4 issue for me, but I can certainly call another meeting
5 of our workgroup. We'll need to find if FDA wants to
6 put someone on in Mike (inaudible 12:38:26) place, we
7 already had (inaudible 12:38:29)

8 MALE PARTICIPANT: Not John Jensen, but we
9 had someone, someone else from FDA as well. But we had,
10 yes, we had John Jensen too. But, regardless, and Jim
11 Shirniak, we'll get this workgroup going again. We'll
12 add the folks that want to join from Oregon and Washington
13 and maybe, Oregon and California, I'm sorry.

14 And one of the things we can do is, maybe
15 draft some trigger numbers, what a one percent PAG trigger
16 would look like and see whether that's even measurable
17 because of the deal that they're quite conservative.

18 So, we can do that.

19 SCOTT HUDSON: Okay. Do you need any
20 additional contact info or anything from anybody on
21 the --

22 MALE PARTICIPANT: Well, I have my initial
23 workgroup minus Mike, and we've heard today that
24 California and Oregon --

25 MALE PARTICIPANT: Okay. (inaudible)

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1 12:39:16) particularly for the State folks, it maybe
2 that you're plugged in. Please feel free to respond
3 to the invitation or just send it to hudson.scott@epa.gov
4 if you have email address (inaudible 12:39:27)

5 (b)(5)
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7 --

8 MALE PARTICIPANT: (b)(5)

9 (b)(5)

10 SCOTT HUDSON: -- the trigger level. If
11 you've got somebody that needs to participate in that
12 workgroup, myself or Mike Boyd, just make sure that
13 that email information gets to us so we can include
14 you on invite.

15 MALE PARTICIPANT: Could you repeat the
16 email address I need to send that to?

17 SCOTT HUDSON: You can send it to me just
18 for purposes of circulating within the group, that's
19 Hudson, H-U-D-S-O-N dot Scott, S-C-O-T-T at EPA dot
20 gov. And you can also reply to anything that you've
21 got from Mike Boyd or Ed Tupin. And between the three
22 of us, we can make sure you get on that workgroup.

23 MALE PARTICIPANT: And on a per agency basis,
24 let's keep it to a small number. I don't want to say
25 just one or two, but the right small number because

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1 if it gets too big, all we do is talk and (inaudible
2 12:40:18) needs to do some real work. (inaudible
3 12:40:20).

4 MALE PARTICIPANT: I think we're doing some
5 real work now.

6 MALE PARTICIPANT: You are. You are.

7 SCOTT HUDSON: Do you have a contact at
8 Washington who's been working this?

9 STEVE WOODS: I've got a call into a man,
10 but I haven't got a call back. But I can get you one.

11 SCOTT HUDSON: Okay. Same with Oregon if
12 they want to play.

13 STEVE WOODS: Will do.

14 SCOTT HUDSON: Thanks.

15 LYNN EVANS: Mike, do you know who from CDC
16 is on your small group?

17 MIKE: Well, we have Sam Pete (phonetic)
18 from ATSDR CDC on. And I don't know --

19 LYNN EVANS: Okay. We'll make sure Sam
20 stays involved then.

21 MIKE: Okay.

22 BILL CUNNINGHAM: This is Bill Cunningham.
23 Just to clarify, my understanding is that there are
24 at least three different things on that plate. One is
25 advice that, for just talking or information that EPA

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14 (inaudible 12:41:56)

15 MALE PARTICIPANT: Yes, I got --

16 MALE PARTICIPANT: (inaudible 12:41:56)
17 but I thought you were already on Bill, so, yes. For
18 sure.

19 MALE PARTICIPANT: (inaudible 12:42:00)
20 Bill about all three numbers being, it would be really
21 a good idea to have all three number be the same, same
22 trigger point.

23 SCOTT HUDSON: All right. Any other

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9 JOHN JENSEN: Yes. This is John Jensen

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4 SCOTT HUDSON: John, thank you. Other

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25 GORDON CLEVELAND: This is Gordon Cleveland.

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1 I will be working with a group of people this afternoon
2 on another conference call regarding that. I'd like
3 to put it forth out to the regular Advisory Team folks.

4 And my read on it is that there's no concern. At the
5 moment there's no concern. Do I have any, anybody feel
6 differently.

7 MALE PARTICIPANT: I think the room, just
8 the consensus in the room here at EPA is that that's
9 spot on.

10 GORDON CLEVELAND: Okay. And then the

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17 MALE PARTICIPANT: (inaudible 12:45:43)

18 GORDON CLEVELAND: Yes. And I mean that
19 just precludes all the other problems. It should anyway.

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7 SCOTT HUDSON: Thank you, Gordon. Other
8 discussion on that topic? Okay. One other item that

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14 LYNN EVANS: Okay. We just need to
15 determine if we're going to participate in some of these
16 activities. And the most immediate ones are, we've got
17 an outreach coming up for Fitzpatrick, and, so far,
18 Gordon Cleveland is indicating that he's still able
19 to cover that on April the 5th.

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RON: Lynn, this is Ron. Can I just jump in real quick because I have to really go to another meeting here in about three or four minutes.

LYNN EVANS: Sure.

RON: (inaudible 12:48:00) talking to a Richard who's out in (inaudible 12:48:04) Region 9 a

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LYNN EVANS: Okay. Well, thanks for that information, Mike. This is news to me, and sort of puts

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1 a different slant on things. It's, you know, a larger
2 request. So, that's something that the Advisory Team
3 needs to consider. What are we going to do about that?

4 MIKE: (b)(5)

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16 SCOTT HUDSON: Hi, all. This is Scott.
17 I'm sorry. I'm going to have to apologize. We're being
18 told to vacate the room. Higher authority is asking
19 for an opportunity to use the conference room. So, I'm
20 sorry. We're going to have to stop the call.

21 Lynn, I propose that maybe you send the
22 email around and have people respond to you directly.
23 We can also discuss during tomorrow's call at two o'clock.
24 Seems like we get a lot of our agenda items off, or
25 at least discussed today. So, we can certainly give

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1 you a lot more time tomorrow. But, I'm sorry. I'm being
2 told to vacate the room almost immediately. So, I'm
3 sorry about this. We're going to have to stop the call.

4 MALE PARTICIPANT: Well, we're still here,
5 Lynn.

6 MALE PARTICIPANT: Yes. So, I can try.
7 Richard wanted me to propose that I can get back with
8 him or you could --
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2 (CONFERENCE CALL INITIATED)

3 AUTOMATED MESSAGE: You have reached the
4 United States Department of Energy Operations Center.
5 You're call is being transferred to a DOE Watch Officer.

6 STEVE BAILEY: Hello, this is Steve Bailey.

7 Can I help you?

8 TIM HARRIS: Hey, Steve. This is Tim Harris
9 over at NRC Operations Officer.

10 STEVE BAILEY: Yes.

11 TIM HARRIS: It's a recorded line. Hey,
12 I called, I guess, when I was on shift Sunday about
13 some NARAC runs and was wondering if you could transfer
14 me over to somebody that might be familiar with the
15 status.

16 STEVE BAILEY: Yes. What office were you
17 from again, sir?

18 TIM HARRIS: Nuclear Regulatory
19 Commission.

20 STEVE BAILEY: NRC.

21 TIM HARRIS: Yes.

22 STEVE BAILEY: Yes. Hang on a second.

23 TIM HARRIS: Okay. Thanks.

24 STEVE BAILEY: You're connected.

25 TIM HARRIS: Thank you. Hey, this is Tim

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1 Harris at the NRC Protective Measures Team. This is
2 a recorded line. I was just following up to see what
3 the status was with the NARAC runs on the intermediate
4 phase stuff.

5 MALE PARTICIPANT: So, I'm not sure what
6 the status is on the NARAC runs for the intermediate
7 phase.

8 TIM HARRIS: Okay.

9 MALE PARTICIPANT: Let me see. Hold one
10 please.

11 TIM HARRIS: Okay.

12 MALE PARTICIPANT: So, those are the ones
13 that were run yesterday, and we sent to you. Do you
14 not have them?

15 TIM HARRIS: Well, you know how it is with
16 shifts. No, I don't think anybody here has seen those.
17 Do you know where you emailed them to?

18 MALE PARTICIPANT: Yes. We would have
19 emailed them to pmt01, pmt02 and pmt12 all at (inaudible
20 10:52:12) hoc.

21 TIM HARRIS: Yes. Roger that. Any idea
22 what time that was? Would have been from the NIT, right?

23 MALE PARTICIPANT: It would have been from
24 NIT Ops. That's correct. Do you know what time, about
25 what time we sent that? Can you see if you can find

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1 that? Send it to them again? They don't have it. Dude,
2 theirinboxinjustlikeours. Charliefoxtrot apparently,
3 eh?

4 TIM HARRIS: Roger. Roger.

5 MALE PARTICIPANT: He's looking for it, and
6 he's going to send it again to you.

7 TIM HARRIS: Yes. If you tell me what time
8 it was, I may be able to, I got a bunch of stuff from
9 NIT Ops, but, oh wait a minute. Updated plausible.

10 MALE PARTICIPANT: Yes. Updated
11 plausibles. That was the one that was sent out yesterday,
12 I think.

13 TIM HARRIS: This was from Sunday. Yes.
14 I don't see it here. I'm sorry.

15 MALE PARTICIPANT: Standby one, please.

16 TIM HARRIS: Yes, sir. They think they sent
17 it yesterday, but they're going to verify and resend.

18 MALE PARTICIPANT: We'll find them and send
19 them to you again, sir.

20 TIM HARRIS: Okay. Hey, thank you much.
21 Bye.

22 MALE PARTICIPANT: All right. Bye.
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(CONFERENCE CALL INITIATED)

AUTOMATED MESSAGE: Welcome to the conference calling center. Please have your pass code and conference leader's name available. A coordinator will assist you momentarily. Welcome to the conference calling center. Please have your pass code and conference leader's name available. A coordinator will assist you momentarily.

FEMALE PARTICIPANT: Thank you for calling. Leave your pass code.

TIM HARRIS: (Inaudible).

FEMALE PARTICIPANT: Your name followed by spelling.

TIM HARRIS: Sure. Tim Harris. T-I-M H-A-R-R-I-S with NRC.

FEMALE PARTICIPANT: Thank you, you will be on listen only.

TIM HARRIS: Thank you.

MARK: Milk and dairy product from Fukusima to (inaudible 11:52:02). And then the latest revision was on Friday and that basically just added some information to the alert from public information and linked into FDA's website.

If you go to the front page of FDA's website,

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1 there's a heading entitled Radiation Safety, and on there
2 will provide detailed questions and answers on what we're
3 doing for regulated products. There is a link to our
4 sampling methodology and testing methodology for any
5 products that are suspected to be contaminated.

6 And there's a link right there to the
7 procedures. With regard to that, our Winchester
8 Engineering Analytical Center, which is our primary
9 radiological laboratory is working in conjunction with
10 our Rad Cap Laboratory (unverified) that's cooperative
11 agreement program labs.

12 There's five of those in the United States
13 that are partially funded by FDA, and they have been
14 having regular conversations with those groups talking
15 about sampling methods and what they would do in the
16 event additional testing is required.

17 We are working as part of the Advisory Team
18 for Environment, Food and Health of FRPCC with EPA and
19 CDC on a whole, a host of potential protective action
20 measures in the event they would be necessary. That
21 group is having daily (inaudible 11:53:38), and we have
22 a number of representatives participating in that group.

23 We've designated in addition to that several
24 technical experts to work with EPA on water issues.
25 As most people know, I think the tap water is regulated

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1 by public water system by EPA. But bottled water is
2 regulated by FDA, and to the extent that there's crossover
3 between the two, we're interested in assuring the safety
4 of the water supply.

5 We're working with CDC and State to provide
6 advice to American citizens in Japan on a possible
7 contamination of food stuff and recommended steps to
8 reduce health risks. And then finally we're looking
9 at what other countries are doing and seeing, Singapore,
10 Korea and a host of other countries in terms of what
11 they're finding from sampling of products.

12 And we take all that information and that's
13 used to continually update and revise our import strategy.

14 That's all I have.

15 DAVID: Thanks, Mark. I appreciate it.
16 Check back CDC if (inaudible 11:54:53) has an update.

17 FEMALE PARTICIPANT: David, our (inaudible
18 11:55:01) line is open.

19 DAVID: CDC? Okay. I know they're on the
20 line. They might just be having some difficulty with
21 the muting. Check with ECF. Brief update.

22 ROBIN JONES: Hi. This is Robin Jones with
23 ECF. We do not have any new updates to report at this

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1 progress being made. Thank you so much. Bye bye.

2 DAVID: Great. Thanks. Going over to
3 SAMSA.

4 FEMALE PARTICIPANT: Good afternoon.

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15 DAVID: Great. Thank you very much. Quick
16 update here from the (inaudible 11:56:20) side. I know
17 that we have two additional personal that are deployed
18 to, over to Japan, a health physicist and a someone from
19 FDA (inaudible 11:56:37) a food safety expert to
20 (inaudible 11:56:41) food safety issues. Sorry.
21 Drawing a blank there.

22 And other than that, (inaudible 11:56:45)
23 to just continue to monitor and we're prepared to support
24 if necessary. We'll go over to CDC for quick updates.
25 See if CDC is on.

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MALE PARTICIPANT: Niten (phonetic), can you hear me?

DAVID: There we go. We got you. If you can provide a quick update, but also if DGMQ has anything to update on import cargo passenger issues.

NITEN: Okay. I'll do the DGMT. We don't

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1 NITEN: Great. Thanks. I appreciate it.
2 An update from Gretchen on the public affairs side.

3 GRETCHEN: Nothing really new to report.
4 You saw, you all the statements that EPA put out on
5 Sunday, and we're just continuing to provide updates
6 and clear documents on health and, obviously, food safety
7 and water, etcetera. So, and, respond to media inquiries.
8 But, essentially media inquiries, to some degree, have
9 decreased in recent days. That's all.

10 Great. Thanks, Gretchen. With that, I'll
11 with for the speakers one last time, a quick round, any
12 alibis, any other issues? If not, we'll go ahead and
13 open up for questions and answers.

14 And again, I definitely want to hear your
15 input on whether or not you thing going to a weekly call
16 is warranted. And again, obviously, if we decide to
17 go weekly and there is some type of a major change and
18 off tempo or stance, we'd be more than happy to hold
19 a call later in the week if we need to. With that, Operator,
20 if we can go to questions and answers, that would be
21 greatly appreciated.

22 OPERATOR: Thank you. If you'd like an open
23 line, please unmute your phone, press Star 1 and record
24 your name clearly when prompted. To remove yourself
25 from que, you can press Star 2, and it can take a moment

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1 for the questions to load. Please stand by. Our first
2 question is from Fran Philips. Ma'am, your like is open.

3 FRANCHILIPS (unverified): Thank you. I'm
4 the Deputy Secretary for Public Health here in Maryland,
5 and I really appreciate this call and continuing to get
6 the advice and updates that this call brings in and will
7 do so in future.

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21 MIKE FLYNN: This is Mike Flynn from EPA.

22 Thanks for your comment.

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7 OPERATOR: Our next question. Oh, I'm
8 sorry. Were you ready to move forward?

9 MALE PARTICIPANT: This is FDA, just as I
10 mentioned, our protocols are posted for food sampling
11 and those are posted on the FDA.gov public website.

12 MIKE ALLRED: And this is Mike Allred at
13 CDC. It's important to keep in mind that CDC only does
14 human samples. We do not do any environmental samples.
15 Our sampling is only clinical.

16 OPERATOR: All right then. Our next
17 question is from Bill Erwin. Sir, your line is open.

18 BILL ERWIN: Yes. Thank you. I'm the
19 (inaudible 12:04:48) Control Program Director in Vermont,

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Thank you.

MALE PARTICIPANT: Bob Widcom (phonetic)
can you answer the question please? Bob Widcom, are
you still on the line.

BOB WIDCOM: Yes. I'm sorry. Had problems
with mute. Can everybody hear me?

FEMALE PARTICIPANT: Yes.

MALE PARTICIPANT: Go ahead Bob.

BOB WIDCOM: All right. In regards to the

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1 the future with this.

2 MALE PARTICIPANT: Thank you, Bob. Is that
3 helpful?

4 BILL ERWIN: Yes. Absolutely.

5 OPERATOR: Our next question is from Bill
6 Moral (phonetic). Sir, your like is open.

7 BILL MORAL: Yes. This is Bill Moral from
8 Global Migration Team. Sorry for the late arrival here.
9 I guess you guys were waiting for an update?

10 FEMALE PARTICIPANT: Yes. That would be
11 great. Thanks.

12 BILL MORAL: Sure. I'm filling in for Will
13 Jackson, I guess. Basically, not much changing from

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That's it.

OPERATOR: Thank you. Any questions? Our next question is from Paul Schmidt (phonetic).

PAUL SCHMIDT: Yes. Good afternoon. This is Paul Schmidt with the Wisconsin Department of Health Services Radiation Protection Section. I guess, one quick question here is, this is again an EPA question.

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1 JOHN EDWARD: Yes. The is John Edward at
2 the Environmental Protection Agency. You can, people
3 are inquiring, you can immediately respond it that the

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MALE PARTICIPANT: Thank you. I just wanted to mention that the referring to the real time

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MALE PARTICIPANT: Yes. Certainly.

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16 MALE PARTICIPANT: Okay. We'll leave it
17 at that. Thank you.

18 MALE PARTICIPANT: Yes.

19 OPERATOR: Mike Harriman (phonetic), your
20 line is open.

21 RICHARD LEEMAN: Hi. This is Richard
22 Leeman with Oregon Public Health Division, and we do
23 very much appreciate the opportunity to have these calls.
24 We appreciate the work that you're doing to protect
25 Americans in Japan.

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JOHN EDWARDS: Yes. This is John Edwards

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RICHARD LEEMAN: (b)(5)

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MALE PARTICIPANT: I wanted to say, I don't

(b)(5)

MIKE FLYNN: Hey, Rachel, let me just add,
this is Mike Flynn for EPA also. You know, as you can

(b)(5)

RICHARD: Yes, well, I think we will be more
effective partners for you if we have that.

MIKE FLYNN: Right. Right. Understand.

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OPERATOR: Our next question is from Jeanine Prud'homme (phonetic). Your line is open.

JEANINE PRUD'HOMME: Hi. This is Jeanine from New York City Department of Health and Mental Hygiene. Thank you for the update on the preparation of procedures

(b)(5)

BOB WITCOM: Jeanine, this is Bob Witcom. Can you hear me?

JAENINE PRUD'HOMME: Hi, Bob.

BOB WITCOM: Hi. Yes. Robert Jones from

(b)(5)

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JEANINE PRUD'HOMME: Okay. Thank you very much.

BOB WITCOM: (b)(5)

(b)(5)

JEANINE PRUD'HOMME: Okay. Thank you.

FEMALE PARTICIPANT: Jeanine, we'll take that question back to Customs and Boarder and get back

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1 to you.

2 JEANINE PRUD'HOMME: Thanks.

3 FEMALE PARTICIPANT: Okay.

4 OPERATOR: The next question is from Steve
5 Alerd (phonetic). Sir, your line is open.

6 DAVE ALERD: Is that Dave Alerd,
7 Pennsylvania?

8 OPERATOR: Yes, I'm sorry.

9 DAVE ALERD: That's okay. I just want to
10 make sure I'm open here. Good evening everybody. Just
11 a couple quick things. Hi Fran, Maryland. On the

12 (b)(5)
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I'll just stop there.

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RICH TERTELL (phonetic): This is Rich Tertell, NRC. I hear your comment. It's my understanding two things. I'll follow up on this. It's my

(b)(5)

MALE PARTICIPANT: Just so everybody knows,

(b)(5)

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1 (b)(5)
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4 JOHN EDWARDS: Yes. Hey, Dave. John
5 Edwards at Environmental Protection Agency. Real

6 (b)(5)
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MALE PARTICIPANT: And if you want to talk further about it today, we can talk, but hopefully they

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1 (inaudible 12:32:09)

2 JOHN EDWARDS: And in fact we, you know you

3 (b)(5)
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12 Thanks.

13 OPERATOR: Michael Dumon (phonetic), your
14 line is open.

15 MICHAEL DUMON: Yes. I had a question about

16 (b)(5)
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19 MALE PARTICIPANT: Yes, our system, our

20 (b)(5)
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17 FEMALE PARTICIPANT: Operator, are they're
18 any other questions.

19 OPERATOR: I apologize, my line was muted.
20 Yes. Our final question is from Steven Hellmer
21 (phonetic).

22 STEVEN HELLMER: Yes. This is Steve
23 Hellmer from the State of Ohio Department of Health.

24 (b)(5)
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MIKE ALLRED: This is Mike Allred at CDC.

(b)(5)

BOB WITCOM: And Mike, this is Bob Witcom.

(b)(5)

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13 (b)(5)

Does that help?

14 MIKE: Yes. That does help, and I hope

15 (b)(5)
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1 thorough.

2 MALE PARTICIPANT: And let me say that the

3 (b)(5)

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6 MALE PARTICIPANT: Yes. Okay. That
7 sounds good.

8 OPERATOR: I show no further questions at
9 this time.

10 FEMALE PARTICIPANT: Okay. Thank you.
11 Niten had to step out, but as of right now, we will have
12 another call on Thursday at 5 o'clock. If that changes,
13 we will let everybody know. But, thank you for being
14 on, and, obviously, if you have any further questions,
15 don't hesitate to reach out. Thank you.

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1
2 (CONFERENCE CALL INITIATED)

3 LUDAVIS (phonetic): NARAC. This is
4 Ludavis.

5 STEVE LAVIE: Ludavis. This is Steve Lavie
6 from the U.S. Nuclear Regulatory Commission.

7 LUDAVIS: Hi, Steve.

8 STEVE LAVIE: How are you doing tonight?

9 LUDAVIS: Great.

10 STEVE LAVIE: Have you got a team of folks
11 there tonight?

12 LUDAVIS: Yes. We do.

13 STEVE LAVIE: We would like to talk to one
14 of the analyses, is John Naasstrom in?

15 LUDAVIS: Just one minute please. And you
16 said this is Steve Lavie?

17 STEVE LAVIE: Yes, Lavie.

18 LUDAVIS: Just one minute please. Thank
19 you.

20 GAIL: This is Gail, NARAC.

21 STEVE LAVIE: Gail.

22 GAIL: Hi. Hi, Steve.

23 STEVE LAVIE: We talk again.

24 GAIL: Yes. How are you doing?

25 STEVE LAVIE: Oh not too bad. Yourself?

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1 GAIL: Well, we're struggling. Okay. Yes.
2 What can I do for you, Steve?

3 STEVE LAVIE: I wanted to follow up on
4 something that was passed to us by our management, and

5 (b)(5)
6
7

8 GAIL: I have no idea. Do they have anything
9 else on them?

10 STEVE LAVIE: (Inaudible)

(b)(5)

11 (b)(5)
12

13 GAIL: Okay.

14 STEVE LAVIE: And what we're trying to find
15 out is the timing of this. Because we sent out an email
16 yesterday to you folks and CMHT and what have you

17 (b)(5)
18

19 GAIL: Yes. And everybody knows that. I
20 mean, we've down so many lanes since then.

21 STEVE LAVIE: Okay.

22 GAIL: That was the one that they asked us
23 to do. That was days ago, and at that time we didn't
24 have an updated spent fuel. So, all they wanted to see
25 was what a relocation looked like. So, that's what it
is.

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1 STEVE LAVIE: Okay. So, henceforth we're
2 going to use the plausible realistic case?

3 GAIL: No. (b)(5)

4 (b)(5)

5 STEVE LAVIE: (b)(5)

6 GAIL: (inaudible 10:52:10) by the way, was
7 another super core variance.

8 STEVE LAVIE: Okay. (b)(5)

9 (b)(5) (inaudible 10:52:16)

10 GAIL: Yes. And we want to you now, yes.
11 I mean, everyday they come up with a different scenario
12 almost. So, on variance (inaudible 10:52:23). So, I
13 can't, you know, we don't have any say in this.

14 STEVE LAVIE: Okay. I understand
15 completely. (b)(5)

16 (b)(5)

17 GAIL: Yes. Well, I don't either.
18 (inaudible 10:52:35) (b)(5)

19 (b)(5) but yes, that's basically
20 what's been going on. You know, there's so many runs
21 out there I can't even tell you.

22 STEVE LAVIE: Okay. That has helped a great
23 deal. We'll return to our management and advise them
24 of the fact that that's why that run was done.

25 GAIL: Yes. (b)(5)

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1 requests.

2 STEVE LAVIE: (b)(5)

3 GAIL: They're all basically federal
4 requests, basically.

5 STEVE LAVIE: Okay, well, I won't take up
6 anymore of your time, Gail.

7 GAIL: Okay. Glad that helped. That was
8 a simple answer I could come up with. It's a true answer,
9 but it's also simple answer.

10 TIM HARRIS: Hello. This is Tim Harris from
11 the PMT. Is it appropriate for you to share what runs
12 your currently working on now?

13 GAIL: No. I think you'd need to go to the
14 DOE Nit for that.

15 TIM HARRIS: Okay.

16 STEVE LAVIE: Okay. That's fine.

17 GAIL: Okay.

18 STEVE LAVIE: Okay. Thank you.

19 GAIL: All right. Thank you.

20 STEVE LAVIE: Bye.

21 GAIL: Bye.

22

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(CONFERENCE CALL INITIATED)

AUTOMATED GREETING: You have reached the United States Department of Energy Operations Center. Your call is being transfers to a DOE Watch Officer.

OPERATOR: (Inaudible). May I help you.

TIM HARRIS: Hey this is Tim Harris at the NRC in the Operations Center, PMT. I talked to somebody earlier about NARAC runs.

OPERATOR: Okay. Tim, they're in the middle of a turnover briefing right now.

TIM HARRIS: I'm sure.

OPERATOR: So, it will be probably another 20-25 minutes.

TIM HARRIS: Understand completely.

OPERATOR: Okay. Do you want to give us a call back?

TIM HARRIS: Yes. That's fine. So, maybe seven bells or something?

OPERATOR: Yes. That will work.

TIM HARRIS: Okay. Roger that. Thanks.

OPERATOR: Thank you Tim.

TIM HARRIS: Thanks. Bye bye.

OPERATOR: Bye.

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1
2 (CONFERENCE CALL INITIATED)

3 AUTOMATED MESSAGE: You have reached the
4 United States Department of Energy Operations Center.
5 Your call is being transferred to a DOE Watch Officer.

6 DANIEL: Hello. This is Daniel. How can
7 I help you?

8 TIM HARRIS: Hey Daniel. Tim Harris over
9 at the NRC PMT operations center.

10 DANIEL: Yes.

11 TIM HARRIS: I talked to some individuals
12 earlier, I guess before shift turnover about NARAC runs,
13 and wanted to re-engage them if that's possible.

14 DANIEL: Yes. One second. What was your
15 name again?

16 TIM HARRIS: Tim Harris.

17 DANIEL: Tim Harris from?

18 TIM HARRIS: NRC.

19 DANIEL: Tim Harris from NRC. Hold on one
20 second.

21 DANIEL: Hey Tim.

22 TIM HARRIS: Yes.

23 DANIEL: You're connected with Dave Young
24 in the Nit.

25 TIM HARRIS: All right. Thanks.

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1 DAVE YOUNG: Hey Tim. How's it going?

2 TIM HARRIS: Hey. Good. How are you guys
3 over there?

4 DAVE YOUNG: Oh, we're doing okay.

5 TIM HARRIS: Was it Dave Young?

6 DAVE YOUNG: Yes. Dave Young.

7 TIM HARRIS: Yes. Thanks. Hey, we talked
8 to somebody earlier about NARAC runs.

9 DAVE YOUNG: Yes.

10 TIM HARRIS: And they forwarded us the, I
11 guess, copy that was done a couple days ago with the
12 intermediate run.

13 DAVE YOUNG: Right.

14 TIM HARRIS: With the super core.

15 DAVE YOUNG: Right.

16 TIM HARRIS: And I think we had made a request
17 earlier to us an NRC plausible and didn't know how many,
18 I guess, runs that NARAC was done and where we might
19 stand in the priority, if that makes sense.

20 DAVE YOUNG: I know that there's some stuff
21 for the plausible, the PRC. I thought they were done
22 doing that. They did some supper core stuff last night

23 (b)(5) I don't
24 know (inaudible 11:42:45) knows a little be more about
25 this.

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1 TIM HARRIS: Okay. Thanks.

2 DAVE BOWMAN: Hi. This is Dave Bowman.

3 TIM HARRIS: Hey Dave. Tim Harris over at
4 NRC. How are you.

5 DAVE BOWMAN: Okay.

6 TIM HARRIS: Hey, we're just trying to
7 understand, I guess what NARAC is running and to see
8 if we had NRQ, NRC plausible source term. If that makes
9 sense.

10 DAVE BOWMAN: Okay, so let me. So, we sent
11 you, they did --

12 TIM HARRIS: We saw the intermediate, and
13 we're talking about intermediate phase.

14 DAVE BOWMAN: Right.

15 TIM HARRIS: We saw the super core results.

16 DAVE BOWMAN: Right.

17 TIM HARRIS: But, I guess at the NRC we're
18 thinking that super core is probably overly conservative
19 and we're trying to get some other type of --

20 DAVE BOWMAN: Right. I mean there was a
21 plausible realistic case with twelve days of weather
22 that was sent out a few days ago.

23 TIM HARRIS: Yes. I'm not sure we got that.

24 DAVE BOWMAN: Really?

25 TIM HARRIS: Yes.

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1 DAVE BOWMAN: Okay. I thought you were on
2 a distribution for that. Okay. That was done with the
3 plausible realistic source term. So, we'll drag that
4 one out and send it over to you.

5 TIM HARRIS: All right. Any other --

6 DAVE BOWMAN: Thought you guys got that.
7 I'm sorry if you didn't.

8 TIM HARRIS: Yes. And we didn't,
9 apparently didn't get the intermediate super core either,
10 so. Okay. Are there any other runs that NARAC is working
11 on that might be of interest to us?

12 DAVE BOWMAN: The one that (b)(5)

13 (b)(5)
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18 (b)(5) That's a, I think that's
19 basically the run you saw today (inaudible 11:45:17)
20 intermediate phase?

21 TIM HARRIS: Yes.

22 DAVE BOWMAN: Okay. So, the one --

23 TIM HARRIS: Well, I mean, if you look at
24 that, (b)(5)

25 DAVE BOWMAN: That's right.

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1 TIM HARRIS: Yes.

2 DAVE BOWMAN:

(b)(5)

3 (b)(5)

4 (b)(5)

5 So, we can send that one over

6 to you as well.

7 TIM HARRIS: Oh, that would be perfect.

8 DAVE BOWMAN: Turns out it's not that much
9 different from the 24 hours because most of the release
10 is done in the first six hours anyway.

11 TIM HARRIS: Sure. Okay and then you said
12 you think that you also have the intermediate phase with
13 the plausible source term completed as well?

14 DAVE BOWMAN: Yes. We do have that. Yes.

15 TIM HARRIS: Okay. Can you forward that
16 over to PMT12?

17 DAVE BOWMAN: Absolutely.

18 TIM HARRIS: PMT12 dot hoc at NRC dot gov.

19 DAVE BOWMAN: Yes. I've got your emails.
20 We'll do it right away.

21 TIM HARRIS: Yes. I know. It's a beautiful
22 thing isn't it?

23 DAVE BOWMAN: Yes. Okay.

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1 TIM HARRIS: All right. Hey, thanks for
2 your help, Dave.

3 DAVE BOWMAN: All right.

4 TIM HARRIS: Bye.

5 DAVE BOWMAN: Bye.

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1
2 (CONFERENCE CALL INITIATED)

3 RICK BURRIS: (inaudible 10:52:18) NRC Rick
4 Burris.

5 TIM HARRIS: Hey, Rick. Tim Harris over
6 at the NRC Operations PMT. We got a call from Katherine
7 Gregory with DOD.

8 RICK BURRIS: Okay.

9 TIM HARRIS: She's out at, I guess the
10 Fukushima site, and they're planning on pumping some
11 water into bladders to prevent it from going into the
12 sea.

13 RICK BURRIS: Okay.

14 TIM HARRIS: And she asked us about treatment
15 options. And, obviously, when we thought about treatment
16 options and technology, the first person we thought of
17 was INPO.

18 RICK BURRIS: Okay. We have, is that like
19 in filtration units?

20 TIM HARRIS: Yes. I assume, she said that
21 the water was contaminated with stasium, iodine and
22 cesium.

23 RICK BURRIS: Okay.

24 TIM HARRIS: So, they're going to collect
25 it, but then they're interested in what do they do after

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1 they collect it in these bladders to, I guess, the next
2 steps.

3 RICK BURRIS: Okay. That's a good one.

4 TIM HARRIS: We thought that too, sir.

5 RICK BURRIS: Because I know that we do have
6 an action item to look at how do we take that water,
7 process it through filters and clean it up. And I don't
8 think our industry support team has finished with that
9 action item yet.

10 TIM HARRIS: Is it for water that's within
11 the unit?

12 RICK BURRIS: That is correct.

13 TIM HARRIS: Okay.

14 RICK BURRIS: But I would think that it
15 wouldn't matter what the source of the water is, as long
16 as you can get it through the pumping station.

17 TIM HARRIS: Correct and then it seems like
18 similar technologies would be used inside and outside.

19 RICK BURRIS: I would think so. Yes.

20 TIM HARRIS: All right. So, is there a
21 number I can refer her too to, since you guys are already
22 on top of this?

23 RICK BURRIS: Why don't you give her this
24 number and probably the best person to call and the time
25 would be tomorrow.

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1 TIM HARRIS: But I think she's actually in
2 country, in Japan.

3 RICK BURRIS: Oh, she is?

4 TIM HARRIS: Yes.

5 RICK BURRIS: Okay. Well, what's a good
6 number to call. Have her call this number.

7 TIM HARRIS: Okay.

8 RICK BURRIS: And we can probably help her
9 from here or get her going anyway.

10 TIM HARRIS: Okay and your name again was?

11 RICKBURRIS: RickBurris, B-U double R-I-S.

12 TIM HARRIS: Okay, Rick.

13 RICKBURRIS: And I'm getting ready to leave.
14 I've been here all day, but Jim McCarthy is here tonight.
15 That's M-C-C-A-R-T-H-Y.

16 TIM HARRIS: Roger.

17 RICK BURRIS: All righty and your name was,
18 sir?

19 TIM HARRIS: Tim Harris.

20 RICK BURRIS: Okay and you're the NRC duty
21 officer?

22 TIM HARRIS: No. I'm with the PMT. The
23 duty officers are the actual whos which are in the
24 operations (inaudible 10:55:32)

25 RICK BURRIS: PMP is?

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1 TIM HARRIS: Protective Measures Team.

2 Sorry.

3 RICK BURRIS: PMT. Got you. To me, that
4 means Post Maintenance Tap.

5 JIM MCCARTHY: Hey, Tim. This is Jim
6 McCarthy. Who do you, I mean, I understand you're with
7 Protective Measures team. Who do you actually work for?

8 TIM HARRIS: NRC.

9 JIM MCCARTHY: Okay. Got it.

10 TIM HARRIS: Yes. There's a number of teams
11 that stand up with the Operations Center activates.
12 There's Protective Measures Team, Reactor Safety Team
13 and other support teams. Okay Jim. We'll let Kate with
14 DOD, give her your number and expect a phone call.

15 JIM MCCARTHY: Okay. Great. Thank you.

16 TIM HARRIS: Hey, appreciate the help guys.

17 RICK BURRIS: All right. Take care mate.

18 TIM HARRIS: Cheers.

19 RICK BURRIS: Bye bye.

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(CONFERENCE CALL INITIATED)

TIM HARRIS: PMT. Harris.

OPERATOR: I have Marie, Jack Miller and Mr. Jackson on the line for you.

TIM HARRIS: Perfect. Thank you.

DOUG COE (phonetic): Hey, Marie. Can you hear us?

MARIE: Yes. Who's on today.

DOUG COE: That's Tim Harris, Nee Mascabusy (phonetic) and at the helm, I'm Doug Coe.

MARIE: Great. Great. Well, Todd and I are here today. We have a significant meeting that's going to occur at 11:30 today. This is requested by the Ambassador, and this is to have an early discussion with respect to return guidance. So, we did receive the re-entry guidance and is confirmed that we have that.

And, to our understanding, that was given to the Ambassador. So, you know, so, that's the first step.

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(b)(5)

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3 TIM HARRIS: (b)(5)

4 (b)(5)

5 MARIE: Yes. (b)(5)

6 TIM HARRIS: Okay.

7 MARIE: (b)(5)

8 (b)(5)
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10 TIM HARRIS: I see.

11 MARIE: So, that date, April 18th is
12 something the keep in mind.

13 MALE PARTICIPANT: (b)(5)

14 (b)(5)
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16 MARIE: We can find out. I'm sure they know.
17 I just don't know.

18 TODD JACKSON: Yes. The only number I

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22 MALE PARTICIPANT: Just curious. Thank
23 you.

24 MALE PARTICIPANT: So, Marie, is this in

25 (b)(5)

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1 in country.

2 MALE PARTICIPANT: Well, (b)(5)

3 (b)(5)
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5 MARIE: No. Just those.

6 TIM HARRIS: (b)(5)

7 (b)(5)

8 MARIE: Yes. (b)(5)

9 (b)(5)
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11 MALE PARTICIPANT: Okay. So are --

12 MARIE: No problem.

13 MALE PARTICIPANT: Are you interested in
14 what the return standard would be or criteria in the
15 U.S.?

16 TODD JACKSON: Probably. Yes. We all know

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23 MARIE: Right and we're going to be using
24 the RTM guidance, I guess, Section 7, that has the PAGs
25 for, you know, I guess, a dose for a, you know, a two

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1 year period.

2 MALE PARTICIPANT: Right but was that, that

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4 (b)(5)

4 MARIE: No. No. I mean,

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7 MALE PARTICIPANT: Not at hand, do we?

8 MALE PARTICIPANT: No. Not, you know, I

9 --

10 TODD JACKSON: Well, certainly we would be

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15 MALE PARTICIPANT: Right.

16 TODD: You know, and the movement from the

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20 MARIE: Right and we were told if the
21 primarily, the uncertainty of the plant status, the number
22 of units, you know, being the primary reasons, and the
23 fact that there was an undefined release past waste.

24 MALE PARTICIPANT: Well, this was actually
25 one of the topics in the recent ET briefing to the

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1 Commissioner Assistants. And there's a couple points
2 here. Number one is I'm not even sure, we'll check,
3 we'll do the homework but I don't know that even we have
4 a strict policy in this country.

5 I think it's going to end up as I, my
6 recollection is this question will end up becoming a
7 policy question not only for the, at the Federal level,
8 but at the state and local level as well. Secondly,
9 the ET is concerned, there wasn't a concern expressed,
10 that there would be some precondition regarding the
11 stability of the plants.

12 That is that there would not be, there would
13 be a very low likelihood of any kind of a potential for
14 an energetic release of further radioactive material.

15 So, you know, what the criteria would be to reach that
16 conclusion, or what the conditions, I should say, to
17 reach that conclusions are, I don't know right now.
18 But --

19 TODD JACKSON: Understand that.

20 MALE PARTICIPANT: Yes.

21 TODD JACKSON: You know, ideally, you know,
22 you can't really make a firm conclusion on it if it's
23 okay to go back when you don't know if things could change
24 again.

25 MALE PARTICIPANT: Precisely and that was

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1 the concern that there would be a high confidence of
2 stability at the site in addition to a policy decision
3 regarding the dose that might be accumulated over time
4 by returning to that area.

5 MARIE: On that point, I mean, there are,

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10 MALE PARTICIPANT: Well, yes, a PAG is a
11 response to the incident. The return and what we as
12 a country and the state and local level as well are willing
13 to accept as far as return is I don't believe is, there's
14 a strict criteria.

15 MARIE: There is. Under recovery, the
16 guidelines, there are guidelines. There also considered
17 protective action guidelines for that as well.

18 MALE PARTICIPANT: Well, even --

19 MARIE: (b)(5)

20 (b)(5)

21 MALE PARTICIPANT: And that was going to
22 be my point. Thank you. So, there might be guidelines,
23 but the in actuality, it will become a policy decision.
24 And it will be, require a large number of stake holders
25 to, you know, decide what that policy should be.

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1 TODD JACKSON: Absolutely and also the
2 Japanese are looking at PAGs and how to use those and
3 to make their own policy decisions which in turn will
4 effect the decision for U.S. citizens also, right.

5 MALE PARTICIPANT: Well, we would expect
6 that it would. Obviously we wouldn't want to be
7 inconsistent --

8 TODD: Right. MALE PARTICIPANT: --
9 without some good rational explanation for why.

10 TODD JACKSON: So, I think we're in agreement
11 of all the factors that are in there. So, maybe the
12 purpose of our meeting today is for us to understand
13 a little bit more about the Ambassador's and State
14 Department's perspective.

15 MALE PARTICIPANT: Well, and particularly
16 how much of it they see is a policy question, how much
17 as they see it as a technical question, and are they
18 sensitized to this question of the stability of the plant.

19 MARIE: I believe they are definitely
20 sensitized to that latter issue. In fact, one of the
21 things that the reactor safety team, you know, you saw
22 that window that we're calling it a dashboard as far
23 as each unit with respect to the vessel, the containment
24 and the spent fuel pool and the trending.

25 And then there was what they're going to

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1 add to that is potential, our assessment as far as potential
2 for, as you put it, energetic you know, release, based
3 on what we know about the units and the activities at
4 the facility. You know the vulnerabilities.

5 TODD JACKSON: Perhaps that's a useful thing
6 for us to be aware of if it's appropriate for the discussion
7 being that there's three factors here. One is the dose
8 that would apply, and you can calculate that. Number
9 two is plant conditions which could cause changes. And
10 third is policy consideration. So, it sounds like there
11 are three things that go into the discussion and a final
12 conclusion. Agreed?

13 MALE PARTICIPANT: I think you summarized
14 it well. I've got Steve Lavie here.

15 STEVE LAVIE: There's one other factor
16 that's very clear in the East Gate is that these decisions
17 are to be based on actual field measurements and
18 evaluations not projection.

19 TODD JACKSON: Understand. So, there's the
20 dose considerations which you can't nail down if there
21 are chances that the plant conditions are going to change.

22 STEVE LAVIE: And until there's enough
23 people in the field to adequately characterize the
24 condition. And then --

25 MARIE: Excellent point because that's what

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1 is really just in my view just really starting to get
2 fully mobilized. I mean there's a lot of ambient dose
3 rate information, but from a standpoint of your soil
4 deposition and your air sampling data, there's less of
5 that. So, that's the reason why, you know, we really
6 need to have that more fully implemented.

7 MALE PARTICIPANT: And DOE is working on
8 that. They had a meeting yesterday, and they have another
9 meeting tomorrow to talk about, with the Japanese, about
10 monitoring priorities, and they're working together to
11 coordinate the data, consolidate the data, and define
12 where they need more data.

13 MARIE: And you were going to sit in on that,
14 I think?

15 MALE PARTICIPANT: We were, we hadn't
16 committed, okay? And I don't know whether we need to
17 be in on that meeting or whether we can just tell DOE
18 if we have any interest, but we could participate in
19 that meeting.

20 MARIE: Yes. I think certainly it might
21 be good to, in the beginning, to --

22 TODD JACKSON: Maybe just listen and decide
23 after that.

24 MARIE: Yes. Listen in. Yes.

25 TODD JACKSON: So, that's tomorrow. That

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1 next meeting is tomorrow.

2 STEVE LAVIE: Okay.

3 TODD: 11:30 a.m. here.

4 STEVE LAVIE: Okay. Now, for your meeting
5 that's coming up with the Ambassador, I think you mentioned
6 very soon. Do you need, it sounded like you have the
7 technical information out of the RCM. Do you need anything
8 further from us to prepare for that meeting and by way
9 of other --

10 MARIE: No. No. It's not with the, it's
11 with, it's his staff, but it's at a high level. It's
12 a, and so, I mean, basically what we say there is going
13 to be significant. So, if you have any, if you wanted
14 to, you know, have any advice or anything you wanted
15 to send to us, feel free to email it. You know, if you
16 have any thoughts on that. We have a little bit of time
17 here.

18 TODD JACKSON: We have an hour.

19 MARIE: We have an hour, about.

20 STEVE LAVIE: An hour. Okay.

21 MARIE: And the good news is we're not --

22 TODD JACKSON: A full hour.

23 MARIE: -- yes. The good news is we're not
24 going off site. Most of our meetings, you have to drive
25 to or something like that. So, this is, you know, we

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1 just have to walk upstairs.

2 MALE PARTICIPANT: Well, that's good. You
3 know, Jim Trapp was just here this afternoon and briefed
4 the ET, debriefed the ET on his experiences. So, I have
5 a sense for what you're going through.

6 TODD JACKSON: Yes. Hopefully, well, I
7 don't know. It's different than it was in the early
8 days from the sounds of it. We're at least getting more
9 sleep than Jim did, I think, but beyond that, I don't
10 know if it's changed a whole lot.

11 MARIE: Yes. Yesterday we went to dinner
12 first time.

13 MALE PARTICIPANT: That's progress. Well,
14 we can look for any other guidelines that might fall
15 into the dose category or other, you know, similar category
16 on a technical level. But I can tell you that from a
17 plant condition standpoint the ET is not, there's not
18 a lot of good ideas right now given the state of, there's
19 still concern in Unit 1 about the possibility of hydrogen
20 explosion and there's a lot of thinking going on about
21 how to minimize that likelihood.

22 As far as policy goes, I think that's an
23 open question, and I think we'll just, I would advise
24 just raising that as one of the three factors here that
25 are going to bear on this decision.

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1 MARIE: Great. Todd that was a good way
2 of --

3 TODD JACKSON: Yes. Good worthwhile
4 discussion with you guys. So, thanks.

5 MALE PARTICIPANT: Okay. Anything more for
6 --

7 MARIE: Another thing just real quick. Is
8 a Nathan Hale, I have, I mean, I said Nathan but didn't
9 mean it, a Jay Hale. He's listed the Federal Liaison
10 at the NRC Response Center. Is he there? I mean, is
11 that an NRC person?

12 MALE PARTICIPANT: Is it H-O-W-E?

13 MARIE: No. H-A-L-E.

14 MALE PARTICIPANT: H-A-L, oh H-A-L.

15 STEVELAVIE: I think the person that's there
16 now, Marie, is Lisa Gibney.

17 MARIE: Okay, what it was was apparently
18 this person, Jay Hale sent a note to INPO any status
19 update on the request for the following that was by serving
20 meters, personal dosimetry, iodine (inaudible 12:020:24),
21 you know, thousands of units of this.

22 And then it went to INPO and then INPO gave
23 it back to us saying Marie or Todd, you know, is the
24 DOE doing this or is this something that, you know, this
25 is not an action that INPO had taken. And that INPO

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1 had no checks or on a request for this. So, the question
2 is, is this something that the Federal Government is
3 following up on or is this something that we do want
4 to turn over to INPO?

5 So, if you could get over to her, it's the
6 question of the 2000 units for the Rad survey meters,
7 the 2500 units for personal dosimetry and the 5100 units
8 for iodine fielding masks. And it came out March 29th,
9 10:49, you know, to INPO. Your time. That person was,
10 you know --

11 MALE PARTICIPANT: But Marie that was from

12 --

13 MARIE: Jay Hale.

14 MALE PARTICIPANT: But it was an NRC email?

15 MARIE: It says Jay Hale NRC Incident
16 Response Center Federal Liaison.

17 MALE PARTICIPANT: And was it from like LIA1
18 dot HOC.

19 MARIE: LIA01 HOC.

20 MALE PARTICIPANT: Yes. That's the NRC
21 international liaison person's desk.

22 MARIE: And INPO came back to me saying,
23 you know, we hadn't heard for this. Is this something
24 that this is just a request. And so, you know, just
25 so if you could, could double check with them to let

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1 us know if that something that, because INPO then wrote
2 back I think that the DOE (inaudible 12:04:18) is taking
3 this for action not INPO. And so, I'll check with the
4 DOE rep here too, but if you could just check to see
5 if it's something that NRC had say that they would do.

6 MALE PARTICIPANT: Well, who was making the
7 request Marie?

8 MARIE: The Japanese Government.

9 MALE PARTICIPANT: Okay and you were just
10 conveying that.

11 MARIE: What I'm conveying is that
12 apparently the Japanese Government is made a request
13 for this. And Jay Hale was following up with INPO saying
14 I need status on this request.

15 MALE PARTICIPANT: I got it. I got it.

16 MARIE: Yes. It's complicated, you know,
17 we get requests from all over the place. We're trying
18 to, it's associated with the hydriodic hose issue. And
19 that's been handled. You know, there was so many hydriodic
20 hoses. So, don't, it's related to that one, but there's
21 also the radioactive shielding for vehicles as well and
22 protective clothing.

23 And so, we got the shielding information
24 to them. So, it's just this last piece with respect
25 to (inaudible 12:05:31) mask and meters which I though

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1 we did provide them some information. But anyway, just
2 to find out does the United States NRC say that that's
3 something that we would be following up on.

4 MALE PARTICIPANT: Yes, well, we'll close
5 the loop and send you an email back.

6 MARIE: Okay. Great. All right. That's
7 good with that one. And then we saw that the call that,
8 I guess, State Liaison the (inaudible 12:06:03) directors,
9 that you're going to be having this call, I guess, that
10 HHS is holding and, you know, NRC is supporting that.
11 Is there anything that you needed from us to support
12 those calls.

13 MALE PARTICIPANT: Well, we listened into
14 the HHS call this afternoon, or this evening, I guess
15 that's the one you're --

16 MARIE: Yes. (inaudible 12:06:20) you know,
17 on going. Like is there anything like that is needed
18 from --

19 MALE PARTICIPANT: No. Not on, the short
20 answer is no. Nothing needed from you. It's all domestic
21 radiation monitoring issues. The states were very
22 interested or concerned that EPA provide them with
23 guidelines on, you know, when does a very low level of
24 radioactivity become a health concern, you know. And
25 that would be above the safe limits at some, at some

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1 level above the safe limits for drinking and ingesting.

2 So, no. It was all domestic.

3 MARIE: Okay. Okay. Good. Good. And I
4 think that's --

5 TODD: Do you want to know about this 4
6 o'clock meeting today?

7 MARIE: Yes. Yes.

8 TODD: At 4 o'clock today is the next meeting
9 of the health effects task group. This is cabinet
10 secretaries group that is being, this is primary person
11 for the U.S. is Dr. Norman Coleman, NIH. This will be
12 the third meeting, but it's going to break up into three
13 working groups.

14 The three working groups are, one is
15 environmental monitoring. Two is on potassium iodide.
16 Three is on risk communication and public confidence.
17 And they asked me to sit in on the KI working group.

18 So, one of the goals there is to understand
19 any differences between the Japanese policy and the U.S.
20 policy. Expecting we're going to get some questions
21 from the Ambassador or U.S. citizens about why it's
22 different, if it's different. So, that's just to tell
23 you what's going on next step on that meeting.

24 MALE PARTICIPANT: Okay. So, maybe we
25 should maybe think about getting some information about

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1 what our policies are.

2 STEVE LAVIE: I think we've done that.

3 MALE PARTICIPANT: We have? Okay.

4 TODD JACKSON: Yes. We have, what we gave
5 them yesterday was the FDA guidance on use of KI.

6 STEVE LAVIE: Oh, good. Okay.

7 TODD JACKSON: Okay. A lot of the questions
8 are medical, and, you know, we're not going to participate
9 in that at all. Such as their, what they described to
10 us yesterday was their planned dosage both, you know,
11 tablet, quantity and how frequent it's administered.
12 That's going to be Coleman and other people. We're
13 not in that.

14 STEVE LAVIE: Okay.

15 TODD JACKSON: But we want to understand
16 what their plan is because it will be different than
17 what the U.S. Embassy advises people about.

18 STEVE LAVIE: Okay.

19 TODD JACKSON: So, I mean, they asked for
20 participation, really have to support it, we think.
21 But not sure exactly other than understand the differences
22 what we're going to necessarily provide other than what
23 we've already given them if that was at all clear.

24 MALE PARTICIPANT: I think we're waiting,
25 we'll wait to hear if there's anything, any further

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1 questions that you need help with answering coming out
2 of that meeting.

3 TODD JACKSON: Sounds good. Well, we have
4 the FDA guidance document that is provided to NCR and
5 NRC licensee. Is there a particular NRC policy on KI?

6 MARIE: Yes there's a MOU and there's a
7 document that issued that kind of covers (inaudible
8 12:09:56). It's like kind of a cover for that guidance.

9 TODD JACKSON: For that guidance. Okay.

10 MARIE: Yes. So, I don't know if you have
11 that.

12 TODD JACKSON: Yes, I mean, if you could
13 find that and what the NRC's policy is on KI for our
14 power plants. You know, what we would provide to the
15 public, that would be useful to me.

16 STEVE LAVIE: This is Steve Lavie. The
17 NRC's policy as imbedded in regulation specifies that
18 KI is the supplement to other protective measures. And
19 the decision is left to the individual states.

20 TODD JACKSON: Okay. Well, what describes
21 that would be of use.

22 STEVE LAVIE: Well, I have to think of where
23 we can find that. Is that, if the state chooses not
24 to use KI and our licensees is not required to recommend
25 it.

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1 TODD JACKSON: Understood.

2 STEVE LAVIE: And I believe that you can
3 probably find that in the EPA PAG manual. The EPA PAG
4 manual is written for the state. The state has the option
5 to choose the methods they want.

6 MARIE: Right but I think there was some,
7 right and that for NRC workers, I think there's an NRC
8 policy.

9 STEVE LAVIE: Oh, that's true. That being
10 the one, that's in that management directive and off
11 hand I don't remember the number.

12 MARIE: Right. That's the one if you can
13 find that because the other is in the, you know, is in
14 the EAPAT (inaudible 12:11:16) there's the, if you could
15 just provide us that management directive, if you could
16 scan it and fax it to us or just give, because we don't
17 really have good printing capabilities here.

18 STEVE LAVIE: Typically what we tel our
19 people, if they are reporting to a reactor sight, they
20 will follow the radiation protection program at that
21 site. However, if they do go to a location which is
22 not one of our licensees, they would, the management
23 directive in essence says that, you know, sets up a program
24 that's comparable with OSHA requirements. It is not
25 10CFR20.

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1 TODD JACKSON: Okay. Well, what I'm
2 getting out of it is, NRC doesn't really have a policy
3 for public. We go to the FDA guidance, and we might
4 point people to that. But it's not up to us to decide
5 that, and we don't have a policy on it.

6 STEVE LAVIE: That's correct.

7 TODD JACKSON: Got it. Thank you. That
8 is helpful.

9 MARIE: Right. It's only, but there is a
10 guidance, there is, I remember reading it because we
11 had to read it for emergency planning for NRC emergency
12 workers.

13 STEVE LAVIE: So, that might be useful to
14 you knowing that it's applicable only to NRC personnel.

15 MARIE: Right because you have, you know,
16 state department workers and DOE workers. I mean, it's
17 a sampling of workers versus public.

18 TODD JACKSON: Well, that's true.

19 STEVE LAVIE: Right. As long as that
20 distinction is clear, we can provide the management
21 directive or the excerpt of that. And, you know, as
22 long as you make that clear that that applies only to
23 NRC and not to the public, then you might find that --

24 TODD JACKSON: Yes. Obviously the would
25 be looking at NRC as being more knowledgeable on the

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1 topic than the State Department, for example. So, that
2 would be potentially useful.

3 MARIE: Well and it's different risks. I
4 mean, because this would be for people that, you know,
5 may be out, they're doing monitoring, they may be out,
6 you know, like, this is going to be long term. So, you're
7 going to have, you know, federal workers probably in
8 the State Department.

9 TODD JACKSON: But that's not what this
10 health effects committee (inaudible 12:13:25).

11 MARIE: No. No. No. So, I think it just
12 provides, again, it's this is the guidance and it changes

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18 MALE PARTICIPANT: And that's a very good

19 point.

(b)(5)

20 (b)(5)

21 process, you know --

22 TODD JACKSON: Well, I mean, that's a whole
23 different topic. In fact, we met with embassy
24 representative. The embassy here asked us to sit in
25 on that with them, and the most remarkable thing that

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1 (b)(5)

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4
5 MARIE: (b)(5)

6 TODD JACKSON: Right. Right.

7 STEVE LAVIE: Okay.

8 MARIE: So, there's an outlier.

9 STEVE LAVIE: Yes. Yes.

10 TODD JACKSON: And we had meetings that

11 (b)(5)

12 (b)(5)

13 All on that plus

14 other topics. So, yes. They're interested.

15 STEVE LAVIE: Okay.

16 MARIE: Are you continuing, are you seeing

17 (b)(5)

18 STEVE LAVIE: Yes, Marie.

19 MARIE: Okay. I mean from a standpoint on
20 that, I mean, it looks like the dose rate has gone down.

21 Occasionally it might spike up to be, you know, a lot
22 higher. So, instead of being, you know, like from the
23 order of, I mean it's typically been running twice
24 background. Like if you take ten (inaudible 12:15:20)
25 per hour. See, I'm ready to go to seiverts. I've been

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1 using that so much.

2 But occasionally you might go up to 44 or
3 something like that. And the dose rate-wise on their
4 count for gamma, you know, I'm taking 20,000 counts of
5 not being anything of too much of concern and anything
6 under really 1,000 for beta. Any thoughts on that?

7 TIM HARRIS: I mean, I think that was their
8 thought too that, I mean, it was elevated above background
9 but wasn't overly significant.

10 MARIE: Right. So, you see like 30, you
11 know, it just seems like the gamma counts are up a little
12 higher. You know, they're getting up to, there was one
13 here from 30, 35,000 counts, but, you know, I don't know.
14 Is there any level that we want to establish of being
15 concerned (inaudible 12:16:10).

16 MALE PARTICIPANT: Along those lines, we've
17 also gotten some information through IAEA from TEPCO
18 that appears to be water samples just offshore of the
19 plant. Do you have that information?

20 MARIE: The only one that we saw from, there
21 was the one sample we saw of and that was that TEPCO
22 was going to be starting to sample out at a particular
23 location 30 kilometers out, I think.

24 TODD JACKSON: Our problem with all of this
25 environmental data is that we see many, many emails that

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1 have sample results or measurements scattered in the
2 emails and they're all different places. And so, us
3 keeping track of this is just very problematic.

4 MALE PARTICIPANT: No. I understand and
5 that wasn't, all I was saying was just letting you know
6 that we did come in to (inaudible 12:17:08) information.

7 And that it was potentially useful because it indicates
8 maybe some potentially continuing run off from the plants
9 of (inaudible 12:17:20) radioactivity into the ocean.

10 MARIE: Yes. In fact, that's one of the
11 things that there from the reactor safety side they're
12 looking for ways to pump that, I think the Unit 2 they
13 may take into the Unit 2 suppression pool running it
14 through the condensate system just because they, you
15 know that's the water in the turbine building that, you
16 know, impacted those workers.

17 And then also it's preventing access to
18 other locations. So, that's one of the points that I
19 was going to put on the dashboard because that's going
20 to be an established sampling program. So, we would
21 have the ambient air and then we would have the sea water
22 measurement. Not that that, I mean obviously there's
23 delusions there, but it gives you an idea of plant
24 conditions.

25 TODD JACKSON: And as long as it's at a

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1 constant point, it could be useful for training purposes,
2 but we don't know where that is relative to the plant
3 or the discharge.

4 MALE PARTICIPANT: And neither did we. And
5 that was what I was going to close with. We don't have
6 a good sense. What we're seeing from TEPCO is
7 concentrations on the order of 800 times the Japanese
8 limits for sea water.

9 If you assume a great delusion then you
10 know that the actual runoff itself is exceedingly high.
11 If it's producing, you know, that kind of levels in
12 the shore area.

13 TODD JACKSON: We're in agreement. It's
14 the number of interest, perhaps significance that we
15 just don't know a lot about it.

16 MALE PARTICIPANT: Right and I like the fact
17 that if they do trend it, it might provide a data point
18 regarding the effectiveness of the strategies that they
19 employ to get rid of that wastewater.

20 TODD JACKSON: Give you another example of
21 data that I wish I could have an influence on collection.
22 The UA guy said that they've been asked to analyze some
23 soil samples that were collected. The concern by the
24 Japanese is about planting rice.

25 So, soil samples are 15 centimeters deep.

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1 So, they don't, you know, it's a, like a cookie cutter
2 but it's 15 centimeters all the way down. So, it's not
3 surface soil. It's a homogeneous mix.

4 No separation, you know, like top five,
5 middle five, bottom five. And that, I don't know what
6 we're going to tell from that data.

7 MALE PARTICIPANT: Right. Right.

8 TODD JACKSON: Also, the DOE people have
9 gotten some samples. I don't know what samples they
10 are, from the Japanese asking for (inaudible 12:20:03)
11 analysis. So, that might also be some additional data.
12 But the DOE guys are the focal point for all of that.
13 These are just things I've heard from them.

14 MALE PARTICIPANT: Okay.

15 MARIE: And we're trying to meet with the
16 plant person at Environmental Protection. It's the,
17 they (inaudible 12:20:19) obviously they're very busy.
18 But, we're trying to meet with them to talk a little
19 bit about contamination control to worker protection.

20 (b)(5)
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1 And lastly, because we want to let you go so they can
2 again look up for us to send before 11:30, is the, this
3 Steve Simon has showed up. He's here to support the
4 discussions with respect to agriculture for dose
5 reconstruction and (inaudible 12:21:07) is when can they
6 plant the, you know, the impact on which rice fields
7 they can plant.

8 TODD JACKSON: Well, I don't know if that's
9 him. He's signing in as the dose reconstruction guy.
10 He's worked for the RERF, and so, he's an expert at
11 that. There's another guy who's coming who's expertise
12 is agricultural products.

13 MARIE: Oh, that's the Mike Nostra.

14 TODD JACKSON: Nosca.

15 MARIE: Nosca. Yes. So, you know, I think
16 you guys the him or those guys, right?

17 MALE PARTICIPANT: Do we?

18 MARIE: Steve Simon and Mike Nosca? They
19 would have been like on our Advisory Team if it was an
20 event in our country.

21 MALE PARTICIPANT: Okay. And they're with
22 which agency again?

23 TODD JACKSON: Mike Nosca is FDA. Steve
24 Simon, I don't, I didn't write what agency he's from.

25 MALE PARTICIPANT: Okay. All right. No.

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1 We're not familiar with the names. But, obviously I
2 appreciate knowing that those are the questions that
3 are being asked.

4 MARIE: Okay. All right.

5 MALE PARTICIPANT: All right.

6 MARIE: So, we'll let you go. We'll have
7 a call at 4 o'clock then. I'll be on. I will be on.

8 TODD JACKSON: I will miss the 4 o'clock
9 because I'm going to be at that other meeting.

10 MALE PARTICIPANT: Okay. We'll turn around

11 --

12 MARIE: So, anything that you can find with
13 respect to any dose information for recovery, if you
14 could just send that to us, we'll use that.

15 MALE PARTICIPANT: We'll get on that right
16 away.

17 MARIE: All right. Thank you.

18 MALE PARTICIPANT: All right. Thanks for
19 the call.

20 MARIE: Thank you. Bye.

21 MALE PARTICIPANT: Bye bye.

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2 (CONFERENCE CALL INITIATED)

3 AUTOMATED MESSAGE: Your call has been
4 forwarded to an automated voice messaging system. Vince
5 Hollahan is not available. At the tone, please record
6 your message. When you finish recording, you may hang
7 up or press 1 for more options. To leave a call back
8 number, press 5.

9 GREG CASTO: Vince, Greg Casto in the PMT.
10 We're looking for you. Got a turnover message to try
11 to hunt you down and pull you out of the bars and see
12 what you're doing with PETCOM. But, anyway, we are at
13 301-816-5419 or the who at 5100. So, when you get this
14 message, if you haven't talked to us, please give us
15 a call. Thanks. Bye.

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WEDNESDAY,

MARCH 30, 2011

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1 CONFERENCE CALL INITIATED

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3 JEFF: 7360, this is Jeff. May I help
4 you?

5 DOUG COE: Yes. Hi, this is Doug Coe.
6 I'm with the Nuclear Regulatory Commission
7 Protective Measures Team in Rockville, Maryland,
8 trying to reach Dr. Vince Holahan, (b)(5)

9 (b)(5)

10 JEFF: Who's that. Well --

11 DOUG COE: Are you familiar with Dr.
12 Holahan?

13 JEFF: Oh, yeah. We've seen him. I'm
14 not directly working that issue. But we certainly
15 are going to run this down and make sure he gets
16 your message.

17 DOUG COE: Okay. I may have the wrong
18 number. But this was the number I had to try to
19 attempt to contact him. We're just simply trying to
20 establish COMs and make arrangements for routine
21 communication.

22 JEFF: Sure.

23 DOUG COE: And let me give you a phone
24 number, if you've got it.

25 JEFF: Yes. What's your name and

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1 number.

2 DOUG COE: It's Doug Coe, C-O-E. I'm
3 with the Protective Measures Team. I'm the director
4 of the Protective Measures Team.

5 JEFF: Director, Protective Measures
6 Team, okay.

7 DOUG COE: And the number here is 301-
8 816-5184.

9 JEFF: 5184.

10 DOUG COE: Yeah. And any kind of
11 communication from Vince in the next, say, four
12 hours would be very appreciated.

13 JEFF: We'll run him down. And I'm just
14 curious though. How is it you got my number?

15 DOUG COE: I don't know. I was --

16 JEFF: You must have talked to the guy
17 out in PACOM?

18 DOUG COE: Yeah. I've got a couple of
19 numbers here. I understood, it was on my turnover,
20 I'm on shift. It's about 6 o'clock in the evening
21 here.

22 JEFF: Yeah.

23 DOUG COE: And I got three numbers,
24 including the slow number.

25 JEFF: Well, let me run this down.

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1 DOUG COE: I appreciate it.

2 JEFF: Now, we're at lunch. So he might
3 actually be, like, try to be a normal human being
4 and try to get some lunch.

5 DOUG COE: That's normal.

6 JEFF: But we'll find him.

7 DOUG COE: That's no problem. And I
8 apologize if this is the wrong number. We really
9 want to connect with Vince so that we can establish
10 a number that we're not bothering everybody else and
11 that we can still communicate.

12 JEFF: Absolutely.

13 DOUG COE: All right.

14 JEFF: So it's 301-816-5184.

15 DOUG COE: That'll do it.

16 JEFF: Okay, take care.

17 DOUG COE: Thank you very much.

18 JEFF: Okay, bye.

19 DOUG COE: Bye-bye.
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(b)(6) : Hello, (b)(6)

DOUG COE: Yes. Hi, (b)(6) This is
Doug Coe. I'm the director of the Protective
Measures Team here on shift at the NRC.

(b)(6) : Uh-huh.

DOUG COE: I have a quick question for
you. Earlier today our chairman, Chairman Jaczko,
had asked us to see how we can get plugged into the
working group that's been created under the
leadership of, I understand, Lee Veal of the EPA.

(b)(6) : Uh-huh. Yes.

DOUG COE: I actually don't know much
about the working group. And I'm wondering if you
could give me any points of contact that I could use
to become involved, at least as an observer, and to
whatever extent that is appropriate, a participant.

(b)(6) : Absolutely.

(b)(5)

DOUG COE: Yes.

(b)(6) : -- over to Lee Veal.

DOUG COE: Yes. I know Trish had been
trying to make contact. And she told me just a

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1 couple of hours ago that she hadn't had any success
2 yet. So that's why I'm calling now.

3 (b)(6) : All rightie, hold on.

4 (Pause)

5 DOUG COE: I don't know if Lee is the
6 right one to contact directly to get on address
7 lists and that sort of thing for communications.

8 But we would certainly make contact with
9 whoever is appropriate and then make sure that she's
10 aware that we were making that contact.

11 (b)(6) : So what is your email
12 address?

13 DOUG COE: Our email address at the
14 Operations Center -- what would be the best one, 12?

15 FEMALE PARTICIPANT: Yeah. hoc --

16 DOUG COE: It's hoc --

17 FEMALE PARTICIPANT: pmt12.

18 DOUG COE: Wait a minute. Give me the
19 full email address.

20 FEMALE PARTICIPANT: pmt12 --

21 DOUG COE: Okay, pmt12. --

22 FEMALE PARTICIPANT: hoc.

23 DOUG COE: hoc --

24 FEMALE PARTICIPANT: @nrc.gov.

25 DOUG COE: -- @nrc.gov. Okay.

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1 (b)(6) : All right. I will send an
2 email across the bow.

3 DOUG COE: Okay.

4 (b)(6) : And so you should see it
5 as well.

6 DOUG COE: Thank you so much. I
7 certainly appreciate it.

8 (b)(6) : You're welcome.

9 DOUG COE: Uh-hum, bye-bye.

10 (b)(6) Bye.

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(No words to transcribe)

(CONFERENCE CALL INITIATED)

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GREG CASTO: NRC Operations Center.

HEADQUARTERS OPERATIONS OFFICER: Hi,
it's the Ops Officer. I've got Vince Holahan on the
line.

GREG CASTO: Oh, right. Okay, thanks.

HEADQUARTERS OPERATIONS OFFICER: Sure,
stand by.

GREG CASTO: Hello.

DR. VINCE HOLAHAN: Hello.

GREG CASTO: Vince, Aloha.

DR. VINCE HOLAHAN: This is Greg Casto.
How you doing?

DR. VINCE HOLAHAN: How'd you get this
rotten shift.

GREG CASTO: Huh? I'm always on this
rotten shift.

DR. VINCE HOLAHAN: Oh, you must love
it.

GREG CASTO: Uh-hum. It's great.

DR. VINCE HOLAHAN: Well, just to
explain, one reason is it seems I've been
incommunicado.

GREG CASTO: Okay.

DR. VINCE HOLAHAN: PACOM is one huge

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1 SCIF, no cell phones, no Blackberries, no computers.

2 GREG CASTO: Ahh, okay.

3 DR. VINCE HOLAHAN: So I went in at 6
4 o'clock or 6:30 this morning, came out about 13
5 hours later, and this is the first chance I can
6 pretty much get to my open systems.

7 GREG CASTO: Holy crap.

8 DR. VINCE HOLAHAN: So the fact that we
9 brought a satellite phone along --

10 GREG CASTO: Uh-huh?

11 DR. VINCE HOLAHAN: Nah. The fact that
12 I've got my Blackberry, they tell you to leave it in
13 the car. You can't even lock it up in the building.

14 GREG CASTO: Wow.

15 DR. VINCE HOLAHAN: And the computer's
16 got to stay here.

17 (Laughter)

18 GREG CASTO: So how should we get a hold
19 of you?

20 DR. VINCE HOLAHAN: Let me look for a
21 card and they can track me down. The problem is,
22 I'm moving around the building right now.

23 GREG CASTO: Uh-huh.

24 DR. VINCE HOLAHAN: I've got a cubicle
25 that I'm going to have. How much time I'll be there

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1 I don't know. It does have a phone.

2 GREG CASTO: Right.

3 DR. VINCE HOLAHAN: Two days I'll have
4 NIRPNet and SIPRNet capability. I had to get here.

5 I had to apply for it.

6 Fortunately, and this is a note for
7 others, if you don't have a common access card, a
8 CAC card --

9 GREG CASTO: Yeah.

10 DR. VINCE HOLAHAN: -- like the military
11 has, you can't get onto the computers.

12 GREG CASTO: Holy crap.

13 DR. VINCE HOLAHAN: They can set you up,
14 but it takes about three weeks.

15 GREG CASTO: Oh, my gosh. Okay.

16 DR. VINCE HOLAHAN: This is BOD
17 (phonetic).

18 GREG CASTO: Okay.

19 DR. VINCE HOLAHAN: So it's the type of
20 thing, normal communications that we would have, you
21 might as well talk to Jim Whitney and ask him what
22 it's like to get a hold of him at his computer
23 station. So once you've got the number and he's
24 there, you can't get a hold of him.

25 GREG CASTO: Good grief. Okay.

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1 DR. VINCE HOLAHAN: And I'm telling you,
2 the whole six floor building is like that. I've
3 never been in something like this where they have
4 that huge of a SCIF.

5 GREG CASTO: Huh.

6 DR. VINCE HOLAHAN: So if it seems like
7 I've just fallen off the radar and disappeared,
8 that's why.

9 GREG CASTO: Okay, got you. All right.

10 So, yeah. So when you find a way that we can get
11 in contact with you, or however you want to set that
12 up, let us know.

13 DR. VINCE HOLAHAN: Yeah. What I'll do
14 is, when I do get a number, I'll just go out and
15 email the PMT a number, or whatever they want to.

16 GREG CASTO: Okay.

17 DR. VINCE HOLAHAN: And at least give
18 you a contact. Well no, more important, I can call
19 in from the phone.

20 GREG CASTO: Right.

21 DR. VINCE HOLAHAN: I do have the
22 ability to make phone calls out. So that's not a
23 problem.

24 GREG CASTO: Okay. So if you want to
25 set up some time frame when you want to do that and,

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1 I don't know, then whatever means we can forward you
2 information. And whenever you can get it you can
3 get it.

4 DR. VINCE HOLAHAN: Let me confirm.
5 What's the number that you've got for your CMP
6 station again?

7 GREG CASTO: Okay, this is 301-816-5415.

8 DR. VINCE HOLAHAN: Ah, the message I
9 got was 5419. And that went to somebody else's
10 station. And they weren't there.

11 GREG CASTO: Okay, 5419 is right next to
12 me. That's the spider phone, the conference call
13 phone.

14 DR. VINCE HOLAHAN: Yeah. For some
15 reason that was for voice mail.

16 GREG CASTO: Okay, huh. All right. So
17 that should --

18 DR. VINCE HOLAHAN: It's been a busy day
19 here. The easiest thing I did was I got onto my
20 email account about 5 o'clock this morning, which
21 would have been 11:00 p.m. your time.

22 GREG CASTO: Uh-huh.

23 DR. VINCE HOLAHAN: No, no, no, 5:00
24 a.m. would have been 11:00 a.m. your time.

25 GREG CASTO: Okay.

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1 DR. VINCE HOLAHAN: I checked the
2 updates, and that was very valuable because, quite
3 frankly, by checking things on the NRC site, we got
4 information that is a little bit more up to date
5 than what they're receiving here at PACOM.

6 Things seem to be delayed for some
7 reason. And it's probably due to the fact that it's
8 the shift work. Most of the folks, if they come in
9 early, they're coming at 0600.

10 And I'm getting a head start on them.
11 And if the briefings start at 0730, they're working
12 with the last shift numbers, if you will.

13 GREG CASTO: Okay.

14 DR. VINCE HOLAHAN: So that was
15 something interesting to learn. Now, today was a
16 good chance of a f5u graph. I did about four to
17 four and half hours worth of briefings.

18 GREG CASTO: Uh-huh.

19 DR. VINCE HOLAHAN: These are daily
20 briefings that they've set up. The first one was
21 with the J2 shop, which is Rear Admiral Train.

22 GREG CASTO: Okay.

23 DR. VINCE HOLAHAN:

24 (b)(5)
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(b)(5)

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2
3 So this is one slice that they're
4 probably spending, on that particular meeting, maybe
5 50 percent of their time on this issue.

6 GREG CASTO: Hmm. Okay.

7 DR. VINCE HOLAHAN: There're two, well,
8 actually three other meetings. We had a 9:30 that
9 was more of a community brief where we had various
10 intel components coming in. So it was basically
11 focusing on DIA as the lead.

12 At 10 o'clock I got pulled off for a
13 separate meeting with Rear Admiral Train and Rear
14 Admiral Ellis. He's the J5. And that was dealing
15 with the CEBURNI (phonetic) issues.

16 GREG CASTO: CEBURNI, I don't
17 understand.

18 DR. VINCE HOLAHAN: Chemical, biological
19 response --

20 GREG CASTO: Oh, okay. I got you.
21 Yeah, now I understand.

22 DR. VINCE HOLAHAN: Now that cell is the
23 (b)(5) And they're worrying about all of the
24 counter measures and everything that they have to
25 deal with, with basically DoD forces that are in

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1 Japan or even working in areas that might be close
2 to Fukushima, for example, J City.

3 GREG CASTO: Okay. The last meeting of
4 the day was the annual PACOM update brief. And that
5 went from about 2:30 to 4:30.

6 And that again is about a two hour
7 meeting, spending an hour on all of the Japan issues
8 and then maybe 45 minutes on all of the other
9 sections, the J1 through J4.

10 So the J5 issues, if they weren't
11 related to Japan, Alaska Command, the Air Forces, the
12 Army forces, Joint Forces Korea, Joint Forces Japan,
13 the whole thing. And that's pretty high level.
14 That's Admiral Willard, he's a four star.

15 GREG CASTO: Okay.

16 DR. VINCE HOLAHAN: The Marine Corps
17 forces General, he's a three star, and then probably
18 about another eight or nine one and two star general
19 officers.

20 GREG CASTO: Hum, okay.

21 DR. VINCE HOLAHAN: I was invited to
22 that meeting today primarily as an introduction. And
23 then I got drawn into a couple of the conversations.

24 But whether I'm invited back to that
25 meeting to sit in the periphery, I'm not too sure.

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1 But we made a very favorable impression on Admiral
2 Willard.

3 And he was the one that was pressuring
4 to get somebody from NRC out there to integrate with
5 his staff.

6 GREG CASTO: Right. Okay. We've had
7 some calls with Admiral Willard. Okay, now what can
8 we do for you?

9 DR. VINCE HOLAHAN: Well, we've got a
10 couple of things that are of interest right now. One
11 is going to deal with the PMT Team in particular.

12 GREG CASTO: Okay.

13 DR. VINCE HOLAHAN: And that was a
14 probably two to two and half hour conversation this
15 afternoon that I had with several folks that are
16 working with Surgeon's staff. And, gee, the surgeon
17 here is a rear admiral, God, they're all rear
18 admirals.

19 GREG CASTO: Okay.

20 DR. VINCE HOLAHAN: I'm starting a
21 notebook here. It was Mittelman, Rear Admiral
22 Mittelman. He's a two star Navy surgeon.

23
24 (b)(5)
25

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(b)(5)

GREG CASTO: (b)(5) --

DR. VINCE HOLAHAN: (b)(5)

(b)(5)

GREG CASTO: Uh-huh.

DR. VINCE HOLAHAN: (b)(5)

(b)(5)

(b)(5)

(b)(5)

GREG CASTO: Hum.

DR. VINCE HOLAHAN: So the question is, if they're in an emerging field --

GREG CASTO: Right.

DR. VINCE HOLAHAN: --

(b)(5)

And their best guesses, and I think

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(b)(5)

GREG CASTO: Huh?

DR. VINCE HOLAHAN:

(b)(5)

GREG CASTO: Right.

DR. VINCE HOLAHAN: --

(b)(5)

GREG CASTO: No.

DR. VINCE HOLAHAN:

(b)(5)

GREG CASTO: Yeah.

(b)(5)

(b)(5)

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where you're exposed.

DR. VINCE HOLAHAN:

(b)(5)

GREG CASTO: Right.

DR. VINCE HOLAHAN: We have folks that are deployed out there for maybe one or two weeks at a time.

GREG CASTO: Uh-huh.

DR. VINCE HOLAHAN:

(b)(5)

GREG CASTO: Right, right.

DR. VINCE HOLAHAN: Because they don't have advance warning.

GREG CASTO: True.

DR. VINCE HOLAHAN:

(b)(5)

GREG CASTO:

(b)(5)

(b)(5)

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(b)(5)

DR. VINCE HOLAHAN:
(b)(5)

GREG CASTO: Uh-huh.

DR. VINCE HOLAHAN:
(b)(5)

GREG CASTO: Right.

DR. VINCE HOLAHAN:
(b)(5)

GREG CASTO: (b)(5)

(b)(5)

DR. VINCE HOLAHAN: So this plan to
throw in this whole --

GREG CASTO: (b)(5)

Right.
DR. VINCE HOLAHAN: (b)(5)

(b)(5)

GREG CASTO: Right.

(b)(5)

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(b)(5)

DR. VINCE HOLAHAN:
(b)(5)

GREG CASTO: Right, right.
(b)(5)

DR. VINCE HOLAHAN:
(b)(5)

GREG CASTO: Okay. All right. And
that's a good question.

(b)(5)

DR. VINCE HOLAHAN:
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(b)(5)
GREG CASTO: (b)(5)

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[Redacted]
(b)(5)

DR. VINCE HOLAHAN:

[Redacted] (b)(5)

[Redacted] (b)(5)

GREG CASTO: Yeah.
(b)(5)

[Redacted]

[Redacted]

DR. VINCE HOLAHAN: Well, that's good to

know. [Redacted]

[Redacted] (b)(5)

[Redacted] (b)(5)

GREG CASTO: Uh-huh.

DR. VINCE HOLAHAN: Did that happen? Is it happening?

GREG CASTO: Well, let's see. Hold on a second. We've got two calls going. So let me move away here a little bit.

[Redacted] (b)(5)

[Redacted] (b)(5)

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[Redacted]
(b)(5)
Hello?

DR. VINCE HOLAHAN: No, I understand what you're saying.

GREG CASTO: Yeah. And there was something else I was going to bring up.

[Redacted]
(b)(5)

[Redacted]
(b)(5)

DR. VINCE HOLAHAN:
[Redacted]
(b)(5)

GREG CASTO: Yeah.
DR. VINCE HOLAHAN: And (indiscernible)

[Redacted]
(b)(5)

GREG CASTO: Right. And so we're getting that question now
(b)(5)

[Redacted]

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(b)(5)

(b)(5)

DR. VINCE HOLAHAN: To do that run?

GREG CASTO:

(b)(5)

DR. VINCE HOLAHAN:

(b)(5)

GREG CASTO: Right.

DR. VINCE HOLAHAN:

(b)(5)

GREG CASTO: Uh-huh, yep.

(b)(5)

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(b)(5)

(b)(5)

DR. VINCE HOLAHAN: Right.

GREG CASTO:

(b)(5)

DR. VINCE HOLAHAN: Separate issue,

(b)(5) --

GREG CASTO: Okay.

DR. VINCE HOLAHAN:

(b)(5)

GREG CASTO: Yep.

DR. VINCE HOLAHAN:

(b)(5)

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(b)(5)

GREG CASTO: Okay.

DR. VINCE HOLAHAN:

(b)(5)

(b)(5)

GREG CASTO: Okay. Let's see, who has that? Is that EPA, I believe has --

DR. VINCE HOLAHAN: Here it is.

GREG CASTO: -- standards.

DR. VINCE HOLAHAN: The problem that we run into is there was no standard that EPA was promulgating in their new PAGs.

(b)(5)

(b)(5)

GREG CASTO:

(b)(5)

DR. VINCE HOLAHAN:

(b)(5)

(b)(5)

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GREG CASTO: Right. I want to say, we did read something somewhere. Hold on one second. I read a press statement that came from somewhere that talked about drinking water standards.

Let me see if I can put my hands on it. I'm reading through here. Federal drinking water standard for iodine 131 is three picocuries per liter, according to a press statement issued by the State of Pennsylvania.

DR. VINCE HOLAHAN: (b)(5)

GREG CASTO: Okay.

DR. VINCE HOLAHAN: (b)(5)

GREG CASTO: (b)(5)

(b)(5)

DR. VINCE HOLAHAN: (Indiscernible) (b)(5)

GREG CASTO: Uh-huh.

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DR. VINCE HOLAHAN: (Indiscernible)

[Redacted]

(b)(5)

GREG CASTO: Okay.

[Redacted]

(b)(5)

DR. VINCE HOLAHAN: NRC, no, I don't know.

GREG CASTO: Well, it probably

wasn't NRC. It was probably DOE or EPA.

DR. VINCE HOLAHAN: If you could get a copy of that and send it to me I'd appreciate it.

GREG CASTO: All right. Okay.

[Redacted]

(b)(5)

DR. VINCE HOLAHAN:

[Redacted] (b)(5)

GREG CASTO: One hundred and 300, what,

[Redacted] (b)(5)

DR. VINCE HOLAHAN:

[Redacted] (b)(5)

[Redacted] (b)(5)

GREG CASTO:

[Redacted] (b)(5)

DR. VINCE HOLAHAN:

[Redacted]

(b)(5)

GREG CASTO:

[Redacted] (b)(5)

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DR. VINCE HOLAHAN:

(b)(5)

GREG CASTO: Right. Right, true.

(b)(5)

(b)(5)

DR. VINCE HOLAHAN:

(b)(5)

GREG CASTO: Right, right.

(b)(5)

DR. VINCE HOLAHAN: Now, this is more of a public affairs question.

GREG CASTO: Okay.

DR. VINCE HOLAHAN:

(b)(5)

(b)(5)

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GREG CASTO:

(b)(5)

(b)(5)

DR. VINCE HOLAHAN:

(b)(5)

(b)(5)

GREG CASTO: Uh-huh.

DR. VINCE HOLAHAN:

(b)(5)

GREG CASTO: Hum.

DR. VINCE HOLAHAN:

(b)(5)

GREG CASTO:

(b)(5)

DR. VINCE HOLAHAN:

(b)(5)

GREG CASTO: Huh, okay.

DR. VINCE HOLAHAN:

(b)(5)

(b)(5)

GREG CASTO: Right.

DR. VINCE HOLAHAN:

(b)(5)

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GREG CASTO:

(b)(5)

(b)(5)

DR. VINCE HOLAHAN:

(b)(5)

(b)(5)

GREG CASTO: Okay.

(b)(5)

DR. VINCE HOLAHAN:

(b)(5)

(b)(5)

GREG CASTO:

(b)(5)

DR. VINCE HOLAHAN: Okay.

GREG CASTO:

(b)(5)

(b)(5)

DR. VINCE HOLAHAN: (Indiscernible).

GREG CASTO: Okay, got it.

DR. VINCE HOLAHAN: Okay, new issue.

(b)(5)

GREG CASTO: T-A-C-C-U-T-A.

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DR. VINCE HOLAHAN: T-I, T-I.

GREG CASTO: T-I-C-C-U-T-A, okay.

DR. VINCE HOLAHAN: He's from the Department of State, and he is the foreign policy advisor to Pacific Command.

GREG CASTO: Okay, hold on. Foreign policy for PACOM, okay.

DR. VINCE HOLAHAN:

[Redacted] (b)(5)

[Redacted] (b)(5)

GREG CASTO: Wow, okay.

DR. VINCE HOLAHAN:

[Redacted] (b)(5)

[Redacted] (b)(5)

GREG CASTO: Hum, okay.

DR. VINCE HOLAHAN:

[Redacted] (b)(5)

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GREG CASTO: Hum.

DR. VINCE HOLAHAN:

(b)(5)

GREG CASTO: Wow. Interesting.
(b)(5)

(b)(5)

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(b)(5)

Now I do know, let's see, I guess PACOM and NRC would be through you to us.

DR. VINCE HOLAHAN: Yeah, facilitating.

(b)(5)

GREG CASTO: Right.

DR. VINCE HOLAHAN: -- (b)(5)

(b)(5)

GREG CASTO: Right. Or probably --

DR. VINCE HOLAHAN: (Indiscernible).

GREG CASTO:

(b)(5)

(b)(5)

DR. VINCE HOLAHAN: The second thing is

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(b)(5)

GREG CASTO: Right.

DR. VINCE HOLAHAN:

(b)(5)

(b)(5)

(b)(5)

GREG CASTO: Right, right.

DR. VINCE HOLAHAN:

(b)(5)

GREG CASTO: Okay.

(b)(5)

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[Redacted]
(b)(5)

DR. VINCE HOLAHAN:

[Redacted]
(b)(5)

GREG CASTO: Right.

DR. VINCE HOLAHAN: We don't know.

GREG CASTO: We don't know.

DR. VINCE HOLAHAN: Yeah, we do know something.

GREG CASTO: Well, we --

DR. VINCE HOLAHAN: (Indiscernible)

[Redacted]
(b)(5)

GREG CASTO: Right.

[Redacted]
(b)(5)

[Redacted]
(b)(5)

DR. VINCE HOLAHAN:

[Redacted]
(b)(5)

[Redacted]
(b)(5)

GREG CASTO: We don't know.

DR. VINCE HOLAHAN:

[Redacted]
(b)(5)

[Redacted]
(b)(5)

GREG CASTO:

[Redacted]
(b)(5)

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(b)(5)

DR. VINCE HOLAHAN:

(b)(5)

(b)(5)

GREG CASTO: Yeah.

(b)(5)

(b)(5)

(b)(5)

DR. VINCE HOLAHAN: Right.

GREG CASTO:

(b)(5)

DR. VINCE HOLAHAN: Does IAEA have a team onsite? Or are they at J City?

GREG CASTO: To my knowledge, they don't have a team onsite. They're getting their

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1 information from the utility or from NISA.

2 Yeah, there're NISA updates as well that
3 pretty much mimic what you're reading in IAEA. And
4 we're getting those too. And PACOM should be getting
5 those.

6 DR. VINCE HOLAHAN: They do. I'm pretty
7 sure they do.

8 GREG CASTO:

9 [Redacted]
10 (b)(5)
11 [Redacted]
12 [Redacted]
13 [Redacted]

14 DR. VINCE HOLAHAN: Another issue that
15 the folks up here are dealing with is either the
16 acquisition or request for company donation of
17 equipment.

18 GREG CASTO: Company donation, okay.

19 DR. VINCE HOLAHAN:

20 [Redacted]
21 (b)(5)
22 [Redacted]

22 GREG CASTO: Um, okay.

23 DR. VINCE HOLAHAN:

23 [Redacted] (b)(5)

24 [Redacted] (b)(6)

25 GREG CASTO: Right.

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DR. VINCE HOLAHAN:

(b)(5)

(b)(5)

GREG CASTO: Uh-huh.

DR. VINCE HOLAHAN: Multiple organizations are making offers. Is this being coordinated in one office?

GREG CASTO: Huh. Now my understanding, and we heard this last night, is that INPO in Japan is taking that lead. There is an INPO rep in Japan and they're coordinating equipment supplies from U.S. industry.

As an example, there would be dosimetry, dose rate meters, that kind of thing. That was a request.

DR. VINCE HOLAHAN: Who's coordinating internationally?

GREG CASTO: Good question.

DR. VINCE HOLAHAN:

(b)(5)

GREG CASTO:

(b)(5)

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(b)(5)

DR. VINCE HOLAHAN: Apparently a number of countries have offered stuff.

GREG CASTO: Okay.

DR. VINCE HOLAHAN: (b)(5)

GREG CASTO: Okay.

DR. VINCE HOLAHAN: (b)(5)

(b)(5)

GREG CASTO: Right.

DR. VINCE HOLAHAN: (b)(6)

GREG CASTO: Uh-huh.

DR. VINCE HOLAHAN: Sound like I had a fun day yet?

GREG CASTO: Yeah, it does. You've got

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1 a lot of questions that we don't have a lot of
2 answers to. We're not helping you out much at all.

3 DR. VINCE HOLAHAN: Well, what you could
4 do is, I don't know who's running the PMT tonight.

5 GREG CASTO: Well, that would be me.

6 DR. VINCE HOLAHAN: Oh, you are.

7 GREG CASTO: Yeah.

8 DR. VINCE HOLAHAN: Congratulations.

9 GREG CASTO: Lucky me.

10 DR. VINCE HOLAHAN: You're the director
11 for the night.

12 GREG CASTO: I am.

13 DR. VINCE HOLAHAN: Well, this is
14 something you can take back to the ET then.

15 GREG CASTO: Yep. I can and I will.

16 DR. VINCE HOLAHAN: And my object here
17 is if they want me to call back tomorrow, because
18 it's 9:30 here and I've been going at it for --

19 GREG CASTO: Okay.

20 DR. VINCE HOLAHAN: -- well, 16 hours,
21 16 and a half hours.

22 GREG CASTO: Okay.

23 DR. VINCE HOLAHAN: It's no problem,
24 because I do this in the military all the time. It's
25 a lot of fun.

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1 GREG CASTO: Right.

2 DR. VINCE HOLAHAN: And I've had a lot
3 of good conversations with folks. But I do need to
4 get a little bit of sleep tonight.

5 GREG CASTO: Okay.

6 DR. VINCE HOLAHAN: And then try to
7 catch up on the literature at some point, because I
8 haven't followed any of the updates for almost 18
9 hours now.

10 GREG CASTO: Got you. So now
11 when would you want to call back in? And we'll make
12 sure we know to look for you. Or are you not
13 prepared to, you don't --

14 DR. VINCE HOLAHAN: I'm thinking
15 possibly 8:30 or 9:00 o'clock. They've got a 7:30 J2
16 brief. I think they have another 9:30 recurring
17 brief here. 8:30 would be 2:30 your time or 3
18 o'clock in the afternoon.

19 GREG CASTO: Okay. All right, 2:30 --

20 DR. VINCE HOLAHAN: [Redacted]
21 (b)(5)
22 [Redacted]

23 GREG CASTO: Holy crap.

24 DR. VINCE HOLAHAN: [Redacted]
25 (b)(5)
[Redacted]

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

4 GREG CASTO: Man, what a deal.

5 DR. VINCE HOLAHAN: But, quite frankly,
6 a lot of the folks here, some of the folks are
7 working long hours. Other folks it's just a normal
8 duty day. GREG CASTO: Huh, I'll be.

9 Well, good --

10 DR. VINCE HOLAHAN: [REDACTED]

11 [REDACTED]
12 (b)(5)
13 [REDACTED]
14 [REDACTED]

15 GREG CASTO: Yep, probably not.

16 DR. VINCE HOLAHAN: It depends on what
17 section you're in.

18 GREG CASTO: Right, got you. Okay.

19 DR. VINCE HOLAHAN: But I can usually
20 here see ten hour days on normal. But if you're
21 going through our traffic for an hour or two hours
22 beforehand, and hour afterwards, catching up with
23 folks, because right now the communication break
24 downs we have, it just makes for a longer day.

25 It's on both sides. But that's to be

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1 understood until we get this thing worked out.

2 GREG CASTO: Right, right. But it
3 sounds like we don't want to put you in the middle.
4 And it sounds like you've got a good potential to be
5 caught in the middle.

6 DR. VINCE HOLAHAN:

7 (b)(5)
8
9

10 GREG CASTO: Right.

11 DR. VINCE HOLAHAN: -- outlook.

12 (b)(5)
13
14
15

16 GREG CASTO: Right.

17 DR. VINCE HOLAHAN:

18 (b)(5)
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23 GREG CASTO: Right. And that's
24 surprising to me.

25 (b)(5)

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(b)(5)

(b)(5)

DR. VINCE HOLAHAN:

(b)(5)

GREG CASTO: Right.

DR. VINCE HOLAHAN:

(b)(5)

GREG CASTO:

(b)(5)

DR. VINCE HOLAHAN:

(b)(5)

GREG CASTO: Right.

(b)(5)

(b)(5)

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(b)(5)

(b)(5)

DR. VINCE HOLAHAN: All right.

(b)(5)

GREG CASTO:

(b)(5)

DR. VINCE HOLAHAN: I know.

GREG CASTO:

(b)(5)

DR. VINCE HOLAHAN: What about Tokyo?

GREG CASTO:

(b)(5)

DR. VINCE HOLAHAN:

(b)(5)

GREG CASTO:

(b)(5)

yeah.

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DR. VINCE HOLAHAN:

(b)(5)

GREG CASTO: True.

DR. VINCE HOLAHAN: (Indiscernible).

GREG CASTO: Right, right.

(b)(5)

DR. VINCE HOLAHAN:

(b)(5)

GREG CASTO: Right.

(b)(5)

(b)(5)

DR. VINCE HOLAHAN:

(b)(5)

GREG CASTO: Right, right.

(b)(5)

DR. VINCE HOLAHAN: And you just

identified the common denominator.

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GREG CASTO: Yep.

DR. VINCE HOLAHAN:
(b)(5)

[Redacted]

GREG CASTO: Yep, yep. It's
challenging. DR. VINCE HOLAHAN: Yeah.

GREG CASTO: Yeah, yep. I can
understand.

DR. VINCE HOLAHAN:

[Redacted]
(b)(5)

GREG CASTO: Uh-huh, uh-huh.

DR. VINCE HOLAHAN:

[Redacted]
(b)(5)

GREG CASTO: Right.

DR. VINCE HOLAHAN:

[Redacted]
(b)(5)

GREG CASTO: Right.

DR. VINCE HOLAHAN:

[Redacted]
(b)(5)

GREG CASTO: Uh-huh, Uh-huh. Yep. And

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(b)(5)

(b)(5)

DR. VINCE HOLAHAN:

(b)(5)

(b)(5)

GREG CASTO: Uh-huh.

DR. VINCE HOLAHAN:

(b)(5)

(b)(5)

GREG CASTO: Huh.

DR. VINCE HOLAHAN:

(b)(5)

(b)(5)

GREG CASTO: Good point, good point,

(b)(5)

DR. VINCE HOLAHAN:

(b)(5)

(b)(5)

GREG CASTO: Uh-huh.

DR. VINCE HOLAHAN:

(b)(5)

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[REDACTED]

GREG CASTO: (b)(5) Yeah, yeah.

[REDACTED] (b)(5)

DR. VINCE HOLAHAN:

[REDACTED] (b)(5)

[REDACTED] (b)(5)

GREG CASTO: I don't know, yep.
Interesting. Well, I feel for you.

DR. VINCE HOLAHAN: Hey, I'm having fun.

GREG CASTO: Yep, that's good, that's
good. But I'll relay this back. This is all good
information.

DR. VINCE HOLAHAN: Yeah. As I say,
I'll be checking things again tomorrow morning. I've
got a bunch of emails. I'm going to try to whip
through some of them tonight just to see what's in
there and get rid of the garbage.

GREG CASTO: Okay.

DR. VINCE HOLAHAN: I'll be in my
quarters here until about noon your time, 6:00 a.m.
I'll probably be looking at some of my email traffic.

I'm not worrying about getting up there
much earlier than 6:30, simply because I've got
assigned parking right now that apparently is pretty
rare.

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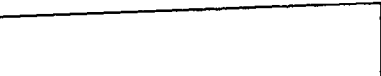
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1 GREG CASTO: Okay.

2 DR. VINCE HOLAHAN: 

3  (b)(5)

4
5 GREG CASTO: Well, that's good.

6 DR. VINCE HOLAHAN: And what I need to
7 do is focus tomorrow on figuring out the
8 relationships that we want to now reach back, either
9 to the RST or the PMT to help them.

10 GREG CASTO: Okay.

11 DR. VINCE HOLAHAN: And set up maybe a
12 daily phone call if they so wish doing that, then try
13 reaching out to folks out in Tokyo to see how we can
14 facilitate things with that aspect of it too.

15 GREG CASTO: Okay.

16 DR. VINCE HOLAHAN: So quite frankly, if
17 I had a list of who was out there now, I think
18 they've done pretty much a complete staff turnover.

19 GREG CASTO: As far as our team out
20 there?

21 DR. VINCE HOLAHAN: Is Elmo Collins
22 running the show now?

23 GREG CASTO: I think he's on his way
24 out. I'm not sure Elmo's out there yet.

25 DR. VINCE HOLAHAN: So it's still Chuck.

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GREG CASTO: It's still Chuck. And I heard tonight in the ET meeting that Chuck was going to stay awhile.

DR. VINCE HOLAHAN:

(b)(5)

GREG CASTO: Yeah.

DR. VINCE HOLAHAN:

(b)(5)

GREG CASTO: Okay.

DR. VINCE HOLAHAN:

(b)(5)

(b)(5)

GREG CASTO: Right.

DR. VINCE HOLAHAN:

(b)(5)

GREG CASTO: Okay, good. All right,

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1 let's see. Now is calling your cell phone and
2 leaving a message, does that work?

3 DR. VINCE HOLAHAN: Well, yeah, that
4 works.

5 GREG CASTO: Okay.

6 DR. VINCE HOLAHAN: These phones,
7 sometimes they ring, sometimes they don't ring.

8 GREG CASTO: Got you.

9 DR. VINCE HOLAHAN: Like I say, because
10 I had it in PACOM with me today, I had to pull the
11 battery.

12 GREG CASTO: Okay.

13 DR. VINCE HOLAHAN: So it goes into the
14 system when I re-energize it. It tells me I've got a
15 voice mail message.

16 And to be honest with you, I'll eat my
17 take out Indian food and then give you a call.

18 GREG CASTO: Okay. All right. We can
19 do that. Are you getting emails as well?

20 DR. VINCE HOLAHAN: Yes, I am. The
21 emails are coming through. If you just send it to my
22 normal address.

23 GREG CASTO: Got it.

24 DR. VINCE HOLAHAN: I do have the
25 computer with the air card. And that's a little bit

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1 easier to respond back to. I turn that on. But
2 during the course of this conversation, it's logged
3 me off. So I've got to log back on.

4 GREG CASTO: Okay. And your iridium
5 phone is not useful, it sounds like.

6 DR. VINCE HOLAHAN: I've got it. It's a
7 big paperweight now. Because, quite frankly, I don't
8 need it here in the BOQ. And when I get up to PACOM
9 I can't even use it.

10 GREG CASTO: Got you.

11 DR. VINCE HOLAHAN: But I think part of
12 that was is we weren't sure what the mission would
13 be, if there would be some requirement for some odd
14 reason to go with some of the staff here to Tokyo or
15 who knows where. I don't see that happening at all.

16 GREG CASTO: Okay.

17 DR. VINCE HOLAHAN: And quite frankly,
18 it's amazing the number of Reservists. They've got a
19 number of Reserves they brought in to assist here.

20 They brought some augmentees from the
21 medical side in. They're trying to plus the staff up
22 to help them answer the questions.

23 GREG CASTO: Okay. All right, got you.

24 Well, enjoy yourself.

25 DR. VINCE HOLAHAN: Oh, yeah.

(b)(5)

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(b)(5)

1
2 GREG CASTO: Good. Have one for us. We
3 don't know what that's like.

4 But we'll be talking. I'll be sure to
5 let day shift know that you'll probably be calling in
6 around 2:30, 3:00 tomorrow.

7 DR. VINCE HOLAHAN: Well, I don't know
8 if it's going to be the day shift or the swing shift.

9 Now, have they made any decisions on staffing at
10 all?

11 GREG CASTO: On staffing, you mean us?

12 DR. VINCE HOLAHAN: Yes.

13 GREG CASTO: Right now we're still going
14 until April 15th.

15 DR. VINCE HOLAHAN: April 15th, okay.

16 GREG CASTO: Yeah. And that might
17 change. But it hasn't really been discussed yet.

18 DR. VINCE HOLAHAN: And is that 24/7,
19 three shifts?

20 GREG CASTO: Still 24/7.

21 DR. VINCE HOLAHAN: Okay.

22 GREG CASTO: Yep.

23 DR. VINCE HOLAHAN: Well, okay. Are you
24 on tomorrow night?

25 GREG CASTO: I'm on tomorrow night.

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1 DR. VINCE HOLAHAN: If worse comes to
2 worse I'll give you a call and give you a status
3 update.

4 GREG CASTO: Okay, appreciate it.

5 DR. VINCE HOLAHAN: To the mid-shift as
6 well.

7 GREG CASTO: Okay, sounds good.

8 DR. VINCE HOLAHAN: All right, Greg.

9 GREG CASTO: Have fun. We'll see you.

10 DR. VINCE HOLAHAN: Have a good night.

11 GREG CASTO: All right, bye.

12 DR. VINCE HOLAHAN: Bye-bye.

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1 (CONFERENCE CALL INITIATED)

2 0%W8MX5L04065094

3 MIKE NORRIS: NRC Operations Center,
4 this is a recorded line, PMT.

5 MALE PARTICIPANT: Hey, Mike, I got
6 Marie Miller.

7 MIKE NORRIS: Okay.

8 MALE PARTICIPANT: Here she is.

9 MIKE NORRIS: PMT.

10 MARIE MILLER: Hi, it's Marie Miller.
11 Sorry it took so long to get back to you. They
12 didn't have the phone, it jumped out of sequence. So
13 I lost my sequence.

14 MIKE NORRIS: That's all right. Greg
15 just got off the phone. It wasn't a couple of
16 minutes ago. He just stepped out, and he'll be right
17 back.

18 MARIE MILLER: Oh, no problem. So you
19 guys, our action has kept you pretty busy then.

20 MIKE NORRIS: Yeah, it's been feast or
21 famine lately.

22 MARIE MILLER: Now what time is it there
23 for you? It's 4:00 in the morning?

24 MIKE NORRIS: Yeah, it's 3:55.

25 MARIE MILLER: So you're doing this

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1 shift for a couple of weeks now? Or how's it going
2 for you?

3 MIKE NORRIS: I've been on this shift,
4 this is my third week, I guess, on and off.

5 MARIE MILLER: (Indiscernible).

6 MIKE NORRIS: This is Mike Norris. I've
7 been on this shift this whole week and half of last
8 week.

9 MARIE MILLER: Wow.

10 MIKE NORRIS: All of next week.

11 MARIE MILLER: Are you doing 12 hour
12 days?

13 MIKE NORRIS: No, we're doing eight,
14 11:00 to 7:00, 7:00 to 3:00, and 3:00 to 11:00.

15 MARIE MILLER: Okay.

16 MIKE NORRIS: It's no different, well,
17 they're trying to minimize the impact to the budget,
18 obviously. So we're mostly all working eight hours.

19 We've just rotated to a different time
20 of the day where we're doing our eight hours.
21 Because obviously all this stuff is not budgeted.

22 MARIE MILLER: Right, right.

23 MIKE NORRIS: And who knows, we might
24 not be working after the seventh.

25 MARIE MILLER: Right, right. Yeah.

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1 Well, other than what we're reading in the newspaper
2 about this event, I haven't really seen too much on
3 the news, that still hasn't been resolved yet --

4 MIKE NORRIS: No. I looked at the
5 Internet when I first got here tonight. And it still
6 hasn't been resolved.

7 But they're saying they've got to get it
8 resolved within the next couple of days, because it's
9 got to go up for vote and all that stuff before the
10 date, the deadline date.

11 MARIE MILLER: Well, I'm supposed to
12 come back on April 7th, so hopefully it's resolved.

13 MIKE NORRIS: You might have to pay for
14 your own ticket.

15 MARIE MILLER: Right, right. Yeah.
16 I'll get that boarding pass early.

17 MIKE NORRIS: Okay, well, I'm going to -

18 -

19 MARIE MILLER: If you could -- sure.

20 MIKE NORRIS: I don't know if you want
21 to wait for Greg to step back in, or you want to just
22 go down and I'll start --

23 MARIE MILLER: I'll just give you,
24 there's just a couple of things, actually one more
25 significant thing that developed since our other

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1 call, one just FYI.

2 So I'll go over the more significant one
3 first. Military folks came by, and there were the
4 reports of the contamination in the sea water.

5 MIKE NORRIS: Uh-huh.

6 MARIE MILLER: And so from our
7 perspective, the plan is looking to address that by
8 doing some pumping of water into the suppression pool
9 for the one unit and then also perhaps using bladders
10 or other devices for water storage, so to limit that.

11 But in the meantime, there still is a
12 discharge, undefined pathway, unknown pathway to the
13 sea water. So the Navy's concerned because military
14 personnel basically drinks the sea water that's been
15 run through a desalting process.

16 MIKE NORRIS: Right.

17 MARIE MILLER: So they want to know if
18 there's an area, well, there's a couple of things.
19 So MAX is, through a marine research arm, is doing
20 the sampling, eight samples, 30 kilometers out.

21 But we don't know exactly where. But
22 that's all we know right now. But let's assume that
23 it's 30 miles in some ring outside of the plant.

24 So the Navy wanted to know if there was
25 a zone, just how you have a no fly zone, that if you

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1 could have a no water zone for their ships that would
2 basically be a limit for drinking water.

3 So they were looking to see if we had
4 any modeling for assuming a certain concentration
5 that is 30 kilometers out, since we'll have that data
6 point. What would be the dilution
7 factor as far as so much miles of turbulence, sea
8 water flow, where they could travel safely and then
9 take water from that point.

10 And I know that they're hiring Applied
11 Technical Sciences to do some work, to look at that.

12 But they didn't know if NRC could do any modeling or
13 give them some advice.

14 MIKE NORRIS: Well, actually I was on
15 IAEA's Web site. And they looked like they were
16 starting to do some modeling for the discharges from
17 the plant into the water.

18 But I'd have to look at that again to
19 see what it really looked like. I know, being a
20 former Navy guy, we had limits where we quit running
21 our evaporators. Because the water, the closer you
22 got into port, the more contaminated it got.

23 MARIE MILLER: Right, right.

24 MIKE NORRIS: We used to stop so many
25 miles out. But yeah, I'll have to look and see.

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1 Maybe we could send you the link for that IAEA Web
2 site. But we need to look at it and see if it's got
3 any usable information.

4 MARIE MILLER: Right. Okay. So anyway,
5 that's the one. I have a little time on that. It's
6 not something that's an immediate issue.

7 And I told them that, from the plant's
8 perspective, it shouldn't be ultimately a continuous
9 discharge of a high level.

10 MIKE NORRIS: Right.

11 MARIE MILLER: But who knows if that's
12 going to work out. So I think that they're looking
13 to obviously make sure that they're doing due
14 diligence in this area.

15 The people here were saying, well, from
16 the standpoint of the fish, there'll be enough
17 dilution. We won't have to worry about it. And they
18 weren't really thinking of it with respect to
19 drinking water.

20 MIKE NORRIS: All right.

21 MARIE MILLER:

22 (b)(5)
23
24

25 MIKE NORRIS: Okay.

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1 MARIE MILLER: Okay.

2 MALE PARTICIPANT: What about sampling?

3 Are there capabilities in place to sample every five
4 kilometers?

5 MIKE NORRIS: Well, you said, what was
6 the marine research?

7 MARIE MILLER: Right. For the Japanese,
8 they're 30 kilometers out, eight sample points, yeah,
9 30 kilometers out. So I assume that's north and
10 south of the plant.

11 They will be taking samples. So we'll
12 have that sample data. And then you would use that
13 sample data then to do some modeling as far as, well,
14 if it's this at this point what will it be.

15 MIKE NORRIS: Yeah, that should
16 characterize it right there, to get that modeling
17 done.

18 MARIE MILLER: So anyway, that MEX data
19 should be available, I'll look on their Web site to
20 see if that's posted online and then send you that
21 link.

22 MIKE NORRIS: Okay.

23 MARIE MILLER: Okay, all right.

24 (b)(5)

25

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(b)(5)

1
2
3 And so we've asked them to add PMT 12 to
4 that meeting summary from those meetings. They're
5 going to just start occurring. They had one this
6 week. They're going to have one tomorrow.

7 So twice a week they're going to be
8 meeting to talk about sampling priorities. So you'll
9 be on that link.

10 And then as Todd and I leave, as there's
11 new people assigned, just make sure they're seeing
12 that meeting summary.

13 So as we send you these RIFs (phonetic),
14 I guess, it's basically as you get different, if you
15 will, automatic distributions, just making sure
16 people that replace us, you get them on those lists.

17 Obviously here, we work it here. But
18 just be aware of that. So that's different
19 distributions that you're on for lists. We may not
20 be getting it, because we're new people. So who
21 knows, Jack Foster's probably still getting stuff.

22 MIKE NORRIS: Okay.

23 MARIE MILLER: You know what I mean?

24 MIKE NORRIS: Yeah.

25 MARIE MILLER: So what we're doing is

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1 we're sending you, so that might not be something
2 that, for example, that you'll need right now.

3 But you'll have an idea of the types of
4 information that we're seeing so that you can direct
5 people to say you want to reach out to these people
6 and get some information. Because there's more and
7 more people showing up and doing things now.

8 MIKE NORRIS: Okay.

9 MARIE MILLER: Anyway, Todd's still in
10 his health meeting on the KI team. So nothing else
11 to report out on that.

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15 (b)(5)
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20 MIKE NORRIS: Okay.

21 MARIE MILLER: And that's going to be
22 tomorrow around 11 o'clock. So we'll have that out
23 brief on that at 4 o'clock tomorrow.

24 MIKE NORRIS: So that's the March 31st,
25 11 o'clock, wait a minute --

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MARIE MILLER: Yes.

MIKE NORRIS: 11:00 your time.

MARIE MILLER: Yes. On March 31st, our day. I'm not sure it would be your March 30th.

MIKE NORRIS: Okay, got it.

MARIE MILLER: Okay?

MIKE NORRIS: Okay, okay.

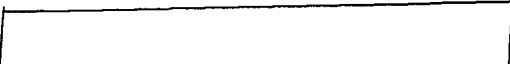
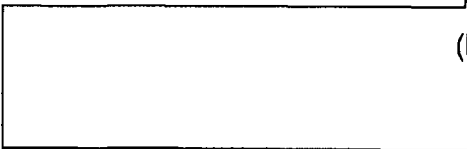
MARIE MILLER: Anything else for that? How did it go over with that pessimistic plausible scenario request?

MIKE NORRIS: That's what I wanted to talk to you about.

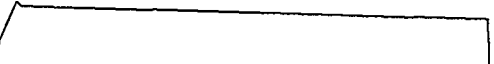
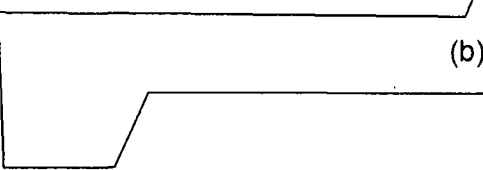
MARIE MILLER: Okay.

MIKE NORRIS: Here's what is going to happen.

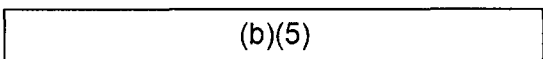
MARIE MILLER: Okay.

MIKE NORRIS: 
 (b)(5)

MARIE MILLER: Okay.

MIKE NORRIS: 
 (b)(5)

MARIE MILLER: Okay.

MIKE NORRIS:  (b)(5)

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(b)(5)

MARIE MILLER: Okay.

MIKE NORRIS:

(b)(5)

MARIE MILLER: Okay.

MIKE NORRIS: --

(b)(5)

MARIE MILLER:

(b)(5)

MIKE NORRIS: Okay.

MARIE MILLER:

(b)(5)

MIKE NORRIS: Right, scenarios, okay.

MARIE MILLER: So it wasn't like the NRC team doing a what if.

MIKE NORRIS: Right, right, by Embassy senior staff. And do you know if that was initially requested by Ruth? Do you assume it was or --

MARIE MILLER:

(b)(5)

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1 MIKE NORRIS: Yeah.

2 MARIE MILLER:

3 (b)(5)

4
5 MIKE NORRIS: Right.

6
7 (b)(5)

8
9
10 MARIE MILLER: Right, right. And he was

11 --

12 MIKE NORRIS: But anyway, that is the
13 process.

14 MARIE MILLER: Okay.

15 MIKE NORRIS: Okay.

16 MARIE MILLER: All right. so we'll get
17 an update sometime tomorrow.

18 MIKE NORRIS: You might.

19 MARIE MILLER: Might, you're right.
20 Obviously they'll run through their calls and
21 coordination and give you --

22 MIKE NORRIS: Right. Eventually you may
23 hear something, yes.

24 MARIE MILLER: Right, okay. So I'll
25 alert Chuck, and John and Dan.

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1 MIKE NORRIS: Yeah.

2 MARIE MILLER: Because they might get
3 some reach back calls.

4 MIKE NORRIS: Right.

5 MARIE MILLER: But basically we ran that
6 through Chuck, and Dan and John. So they should be
7 onboard.

8 MIKE NORRIS: You were requested by the
9 Embassy staff to pursue this?

10 MARIE MILLER: Yes, yes. Yes, it's
11 basically they were asking, I believe, on behalf of
12 the Ambassador.

13 MIKE NORRIS: Right.

14 MARIE MILLER: Mark, I forget his name,
15 Bruce Howard (phonetic), a distant management person
16 that's like financial management director. It was a
17 significant level meeting.

18 MIKE NORRIS: Okay.

19 MARIE MILLER: Okay.

20 MIKE NORRIS: All right.

21 MARIE MILLER: And it had all the other
22 Federal agency reps involved there that are being
23 brought in through the DOE team. DOE was there.

24 MIKE NORRIS: Okay.

25 MARIE MILLER: Yeah. So there should

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1 have been pretty good coordination. The task to have
2 that type of projection was discussed with the
3 Embassy staff, DOE, and Dr. Coleman and this FDA rep,
4 the people that are working at the Embassy on health,
5 all those folks.

6 MIKE NORRIS: Uh-huh.

7 MARIE MILLER: So there was already a
8 lot of coordination here on that.

9 MIKE NORRIS: Okay.

10 MARIE MILLER: Okay. Not on the
11 specifics of what the scenario should look like, but
12 just that type of scenario.

13 MIKE NORRIS: Okay.

14 MARIE MILLER: Okay?

15 MIKE NORRIS: Got it.

16 MARIE MILLER: Okay, good. All right,
17 appreciate that.

18 MIKE NORRIS: Okay.

19 MARIE MILLER: All right. Well, have a
20 good rest of your shift and we'll talk again
21 tomorrow.

22 MIKE NORRIS: All right, we'll see you,
23 Marie.

24 MARIE MILLER: All right, thank you for
25 your help today.

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MIKE NORRIS: Bye.

MARIE MILLER: Bye.

1 (CONFERENCE CALL INITIATED)

2 0%W36HI_04065094

3 (Operator instructions)

4 DANIEL: Hello, this is Daniel. How can
5 I help you?

6 GREG CASTO: Hi, this is Greg Casto with
7 the NRC Ops Center.

8 DANIEL: Yes.

9 GREG CASTO: And can you patch me to the
10 NIT?

11 DANIEL: And you said your last name was
12 Greg Casto?

13 GREG CASTO: Yeah, C-A-S-T-O, thanks.

14 DANIEL: All right.

15 (Pause)

16 GREG CASTO: Hello.

17 FEMALE PARTICIPANT: Hello.

18 GREG CASTO: Hello.

19 FEMALE PARTICIPANT: Hi, this is
20 (indiscernible) in the NIT. How can I help you?

21 GREG CASTO: Hi, this is Greg Casto with
22 the NRC Operations Center.

23 FEMALE PARTICIPANT: Okay.

24 GREG CASTO: And I wanted to ask a
25 question concerning the NARAC runs, the dose

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1 assessment runs --

2 FEMALE PARTICIPANT: Yes.

3 GREG CASTO: --

4 (b)(5)

6 (b)(5)

8 FEMALE PARTICIPANT: Uh-huh.

9 GREG CASTO:

11 (b)(5)

14 FEMALE PARTICIPANT: Okay. Well, let me
15 stop you right there. Let me hand you off to the FCO
16 in the room and he can speak more to that.

17 GREG CASTO: Great, appreciate it.

18 FEMALE PARTICIPANT: Okay, hold please.

19 GREG CASTO: Thank you.

20 DAVE HOAGLAND: Hey, this is Dave
21 Hoagland.

22 GREG CASTO: Hey, Dave, this is Greg
23 Casto at NRC, how you doing?

24 DAVE HOAGLAND: Hey, all right.

25 GREG CASTO: Good. I had a question

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1 from our Japan team --

2 DAVE HOAGLAND: Yes.

3 GREG CASTO: --

4
5 (b)(5)
6
7

8 DAVE HOAGLAND: Okay.

9 GREG CASTO: And they wanted
10 information. And in listening to their request, it
11 sounded like the same information that they would be
12 seeing from the NARAC runs.

13 DAVE HOAGLAND: Right.

14 GREG CASTO:

15 (b)(5)
16

17 DAVE HOAGLAND: There was?

18 GREG CASTO: See, I don't know.

19 DAVE HOAGLAND: I'm sorry. That sounded
20 like a question. There was.

21 GREG CASTO: Okay, yeah, okay.

22 DAVE HOAGLAND: And so it was presented
23 by Ambassador Roos. I'm uncertain who --

24 GREG CASTO: Okay.

25 DAVE HOAGLAND: -- presented it. Oh, it

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1 was -- stand by.

2 GREG CASTO: Okay.

3 DAVE HOAGLAND: I'll get the name.

4 GREG CASTO: No problem.

5 DAVE HOAGLAND:

(b)(5)

7 GREG CASTO: Okay.

8 DAVE HOAGLAND: (b)(6)

9 GREG CASTO: (b)(5),(b)(6)

10 DAVE HOAGLAND: I think he's Minister of
11 Foreign Affairs.

12 GREG CASTO: Minister of Foreign
13 Affairs, okay, question, Minister of Foreign Affairs.

14 And let's see, was there a certain scenario --

15 DAVE HOAGLAND: Yeah, stand by one
16 second. GREG CASTO: Okay, sure.

17 (Offline comments)

18 DAVE HOAGLAND: Thanks, sorry.

19 GREG CASTO: Okay.

20 DAVE HOAGLAND: I'm just going to try to
21 get that for you.

22 GREG CASTO: Oh, okay. I appreciate it.

23 DAVE HOAGLAND: I'm just uncertain.

24 GREG CASTO: Right. And do you know
25 what information was provided? Was it just the

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1 plausible release scenario? Or was it some of the
2 others?

3 DAVE HOAGLAND: Yeah, let's see, it was
4 two.

5 GREG CASTO: Okay.

6 DAVE HOAGLAND: And I only hesitate
7 because we had prepared a follow-on slide deck that
8 was going to be three. That had generated questions.
9 And so that effort was halted.

10 GREG CASTO: Okay.

11 DAVE HOAGLAND:

12 (b)(5)

13
14
15 GREG CASTO: Hum, okay.

16 DAVE HOAGLAND:

17 (b)(5)

18
19 GREG CASTO: Okay, last --

20 DAVE HOAGLAND: So you've got that as a
21 reference.

22 GREG CASTO: Okay.

23 DAVE HOAGLAND: It was also a single
24 reactor, probably Reactor 2. I think it was a 33
25 percent core damage, 25 percent release, 0.5 percent

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1 release per day is my recollection.

2 GREG CASTO: Damage, five percent, day -

3 -

4 DAVE HOAGLAND: And in fact if you want,
5 we may be able to find the exact slide deck.

6 GREG CASTO: Okay, that would be great.

7 DAVE HOAGLAND: Stand by one second.

8 GREG CASTO: Okay.

9 DAVE HOAGLAND: Okay, so Hosoto appears
10 to be the assistant to the Prime Minister, the guy
11 that's been tapped for coordinating with the U.S.

12 GREG CASTO: Okay.

13 DAVE HOAGLAND: So they do have that
14 committee. I think he heads up the group, let's see,
15 task force -- stand by.

16 GREG CASTO: Okay.

17 DAVE HOAGLAND:

18 (b)(5)

19
20 GREG CASTO: Okay.

21 (b)(5)

22
23
24 DAVE HOAGLAND: Yeah.

25 GREG CASTO: Yeah, okay.

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1 DAVE HOAGLAND: So (b)(6) in this case,
2 he's not representing the Ministry of Foreign
3 Affairs. He's a direct assistant to the Prime
4 Minister.

5 GREG CASTO: Got you, okay. And then,
6 let's see. Now you said you might be able to send us
7 those --

8 DAVE HOAGLAND: Yeah, I don't see why
9 not.

10 GREG CASTO: -- two slide decks. Okay.

11 DAVE HOAGLAND: And stand by one.

12 GREG CASTO: Sure.

13 (Offline comments)

14 DAVE HOAGLAND: All right, so what email
15 address would you like that emailed to.

16 GREG CASTO: pmt12.hoc@nrc.gov.

17 DAVE HOAGLAND: So we sent you, we
18 included you on our email earlier tonight.

19 GREG CASTO: Okay.

20 DAVE HOAGLAND: Did you get that, 12?

21 GREG CASTO: I'll have to look. We
22 should have.

23 (Offline comments)

24 GREG CASTO: Okay, yep, earlier tonight.

25 DAVE HOAGLAND: I think you --

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GREG CASTO: Sorry.

DAVE HOAGLAND: --

(b)(5)

(b)(5)

GREG CASTO: We have been getting them.

Do you know about what time that went out? Sorry about that.

DAVE HOAGLAND: I do not.

GREG CASTO: Okay. We'll look for them.

But we have been getting them.

DAVE HOAGLAND: Okay.

GREG CASTO: Okay.

DAVE HOAGLAND: We'll look through our hard drive here and --

GREG CASTO: Okay.

DAVE HOAGLAND: -- try to resend you the things that were actually shared with GOJ.

GREG CASTO: Right, okay, good. Yeah, now is there some restriction on sharing further information.

DAVE HOAGLAND: Yes.

GREG CASTO: Yeah, I had thought that there was.

DAVE HOAGLAND:

(b)(5)

(b)(5)

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(b)(5)

[Redacted]

(b)(5)

[Redacted]

GREG CASTO: Right.

DAVE HOAGLAND: Right.

GREG CASTO: Okay.

DAVE HOAGLAND:

[Redacted]

(b)(5)

[Redacted]

GREG CASTO: Right.

DAVE HOAGLAND: -- interview (phonetic)

things.

GREG CASTO: Yeah.

DAVE HOAGLAND: And that hasn't

happened.

GREG CASTO: Right.

[Redacted]

(b)(5)

[Redacted]

[Redacted]

DAVE HOAGLAND: Yeah, yep. I think

that's the best play.

GREG CASTO: Okay, all right. So we

certainly won't do that either. But when we talk to

our team, if you can send us that information, we can

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1 talk to our team and say this is what was sent.

2 DAVE HOAGLAND: This is what was shared.

3 GREG CASTO: Yeah.

4 DAVE HOAGLAND:

5 (b)(5)

6
7 GREG CASTO: Okay.

8 DAVE HOAGLAND: So it's the thing that
9 had to go forward.

10 GREG CASTO: Okay, okay, I got you.

11 DAVE HOAGLAND: They're representative
12 cases.

13 GREG CASTO: Right, right. I
14 understand. Okay, that helps.

15 DAVE HOAGLAND: All right?

16 GREG CASTO: All right, I appreciate it.

17 DAVE HOAGLAND: Okay, you bet.

18 GREG CASTO: All right, thanks.

19 DAVE HOAGLAND: Bye.

20 GREG CASTO: Bye.

21 (1:25 minutes of no audio to transcribe)

1 (CONFERENCE CALL INITIATED)

2 0%WK(QBL04065094

3 MIKE: Protective Measures Team at the
4 NRC. This is a recorded line.

5 HEADQUARTERS OPERATIONS OFFICER: Yes,
6 this is the Headquarters Operations Officer. I have
7 a Mr. Hinckler (phonetic) from the NRC on the line
8 for you.

9 MIKE: Mr. Hinckler?

10 HEADQUARTERS OPERATIONS OFFICER: Yes,
11 sir.

12 MIKE: Okay, sure.

13 HEADQUARTERS OPERATIONS OFFICER: Hang
14 on.

15 MIKE: Hello, this is Mike from the PMT.

16 CHARLIE TINKLER: Yeah, this is Charlie
17 Tinkler. I got a call and an email from Tony
18 Hufford. Is he in the neighborhood there?

19 MIKE: Tony Hoffer (phonetic)?

20 CHARLIE TINKLER: Tony Hufford, on the
21 PMT.

22 MIKE: Oh, yes. He's here. You need to
23 speak to him?

24 CHARLIE TINKLER: Yes.

25 MIKE: And you're Tony --

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1 CHARLIE TINKLER: Charlie.

2 MIKE: Charlie.

3 CHARLIE TINKLER: Tinkler.

4 MIKE: Charlie Tinkler.

5 (Offline comments)

6 TONY HUFFORD: Hello, this is Tony
7 Hufford.

8 CHARLIE TINKLER: Tony, this is Charlie.
9 Jason's here. We keep trying to call that number,
10 5402. But we get a message that says it's not
11 working.

12 TONY HUFFORD: Oh no. Well, we're here.
13 There's no question about that.

14 CHARLIE TINKLER: Okay. And you're
15 working, unlike the phone number. Good.

16 TONY HUFFORD: Yeah, right now we're at
17 the PMT director's table.

18 CHARLIE TINKLER: Okay. Well, I'm just
19 responding to your call and, I guess, your request.
20 We got the message about you guys were looking for a
21 new source term.

22 TONY HUFFORD: Yeah, we sent you an
23 email a few minutes ago. And it's got a one page
24 write-up based on what the Embassy told us to do.

25 And we gave that to you, Charlie Hussein

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1 (phonetic) and Richard Lee as requested. And I gave
2 Richard Lee a phone call to verify he got it.

3 CHARLIE TINKLER: Okay, looking at it
4 right now.

5 TONY HUFFORD:

6
7 (b)(5)
8
9

10 CHARLIE TINKLER: Uh-huh.

11 TONY HUFFORD: So they've got total
12 iodine, cesium and tellurium.

13 CHARLIE TINKLER: All right. Well --

14 TONY HUFFORD: So those are the --

15 CHARLIE TINKLER: I have no objection to
16 them focusing on iodine, cesium, tellurium.

17 TONY HUFFORD: Yeah.

18 CHARLIE TINKLER: I don't see any reason
19 to quibble with that, particularly.

20 TONY HUFFORD: Yeah.

21
22 (b)(5)
23
24

25 CHARLIE TINKLER: This is an estimate by

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1 IAEA --

2 TONY HUFFORD: Yes.

3 CHARLIE TINKLER: -- of what has
4 actually happened.

5 TONY HUFFORD: Yes.

6 CHARLIE TINKLER: Okay.

7 TONY HUFFORD: And I have no idea how
8 they came up with those estimates.

9 CHARLIE TINKLER: Okay. Well, they
10 probably came up with it by looking at what's on the
11 ground and then estimating what came out in order to
12 produce that on the ground.

13 TONY HUFFORD: Yes.

14 CHARLIE TINKLER: Okay. The only thing
15 I would wonder about is most of it probably went out
16 to sea. So I don't know how they're measuring that.

17 That's my only, so they could only pick
18 certain periods of time when it was going over land.

19 Okay, so they give it to us in becquerels and we'll
20 try to figure out what it was.

21 TONY HUFFORD: Okay. And with the one
22 page summary of the Embassy request, those are the
23 assumptions that we were directed to use.

24 CHARLIE TINKLER: I'm not sure I see
25 that.

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1 TONY HUFFORD: Oh, it's a --

2 MALE PARTICIPANT: Oh, yeah, it's an
3 IAEA attachment.

4 CHARLIE TINKLER: Embassy request, I'm
5 still looking for something that says an Embassy
6 request.

7 TONY HUFFORD: It was maybe five minutes
8 before the IAEA one went out.

9 CHARLIE TINKLER: Oh, you sent two
10 emails.

11 TONY HUFFORD: Yeah.

12 CHARLIE TINKLER: Well, hold on a second
13 there then. Okay.

14 TONY HUFFORD: Can I put Charlie Tinkler
15 on speaker phone here? Because they can't get back
16 to us for some reason. I said let me get their phone
17 number.

18 CHARLIE TINKLER: Well, yeah, you can
19 get my phone number's 7496.

20 TONY HUFFORD: 7496.

21 CHARLIE TINKLER: Hey, you don't have to
22 hold on the line. We'll take a look at it.

23 TONY HUFFORD: That's cool, 251-7496.

24 CHARLIE TINKLER: Yep.

25 TONY HUFFORD: And we'll give you a call

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1 back in just a couple of minutes.

2 CHARLIE TINKLER: Okay.

3 TONY HUFFORD: Okay, thanks.

4 CHARLIE TINKLER: Yeah, give us a few
5 now. We've got to look at this thing, okay.

6 TONY HUFFORD: Okay.

7 CHARLIE TINKLER: Okay.

8 TONY HUFFORD: Bye.

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1 (CONFERENCE CALL INITIATED)

2 0%WUBGBL04065094

3 SANDRA WASSLER: Sandra Wassler, NRC
4 Operations Center, PMT. This is a recorded line.

5 HEADQUARTERS OPERATIONS OFFICER: Yes,
6 ma'am. I'm going to connect you to Roger Ream
7 (phonetic) from the EDO office.

8 SANDRA WASSLER: I'm sorry, you're
9 connecting me with who?

10 HEADQUARTERS OPERATIONS OFFICER: Roger
11 Ream

12 SANDRA WASSLER: Roger Ream?

13 HEADQUARTERS OPERATIONS OFFICER: That's
14 correct.

15 SANDRA WASSLER: Okay.

16 ROGER REAM (phonetic): Hello.

17 SANDRA WASSLER: Yes?

18 ROGER REAM: Hi, this is Roger Ream in
19 the EDO's office.

20 SANDRA WASSLER: Right.

21 ROGER REAM: Is this someone of the
22 Protective Measures Team?

23 SANDRA WASSLER: Yes, it is. Hang on,
24 let me put you on the speaker phone.

25 ROGER REAM: Well, it's --

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1 SANDRA WASSLER: Would that be all
2 right?

3 ROGER REAM: Well, you don't need to,
4 but if you want to.

5 SANDRA WASSLER: Okay, well no. The PMT
6 director's sitting here with me.

7 ROGER REAM: Okay, I just have a
8 question. SANDRA WASSLER: Go right
9 ahead.

10 ROGER REAM: All right. I have to
11 update some testimony that Bill Borchardt gave the
12 other day that, I guess, Eric Leeds or Marty virgilio
13 is going to give next week.

14 And I realize events have changed. But
15 in the testimony that Bill gave the other day, he
16 talked about natural background radiation being
17 100,000 times more than anything we've seen in the
18 U.S. from the Japan events to date.

19 And I'm wondering if, I know you guys
20 keep track of the --

21 SANDRA WASSLER: What the current
22 numbers are?

23 ROGER REAM: And maybe somebody could
24 calculate a dose. I assume this is still correct.

25 SANDRA WASSLER: Umm --

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1 ROGER REAM: But I thought I better
2 verify it.

3 SANDRA WASSLER: . Could you send me the
4 exact words. And you can send it to, it's the
5 hoc.pmt12, I believe that's my email address here.

6 ROGER REAM: At NRC?

7 SANDRA WASSLER: @nrc.gov.

8 ROGER REAM: Okay.

9 SANDRA WASSLER: And there was something
10 -- hang on. There's something funky about it.
11 Yeah, that should be right. hoc.pmt12@nrc.gov.

12 ROGER REAM: Okay. And who am I
13 speaking with.

14 SANDRA WASSLER: This is Sandra Wassler.

15 ROGER REAM: Okay. Thanks, Sandra.

16 SANDRA WASSLER: And I'll look at it.
17 And you want us to update that statement?

18 ROGER REAM: Yeah.

19 SANDRA WASSLER: Oh, okay.

20 ROGER REAM: I want to verify or update
21 it if necessary. And I need it maybe tomorrow
22 afternoon.

23 SANDRA WASSLER: Okay. If you could
24 give us that, I will turn it over to our RAD folks
25 who have the latest data. And they can update it and

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1 give it back to you.

2 ROGER REAM: Thanks a lot.

3 SANDRA WASSLER: No problem.

4 ROGER REAM: Great. Bye.

5 SANDRA WASSLER: Bye-bye.

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3 (CONFERENCE CALL INITIATED)

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5 SANDRA WASSLER: Sandra Wassler, you've
6 reached the PMT.

7 MALE PARTICIPANT: I've got Marie Miller
8 and Todd Jackson on the line for you.

9 SANDRA WASSLER: All right. Thank you.
10 I'll put on speaker phone. Hello, Marie.

11 MARIE MILLER: Yes, Hi.

12 SANDRA WASSLER: Hi, this is Sandy
13 Wassler. Hang on, I'm putting you on the speaker
14 phone.

15 MARIE MILLER: Thanks, Sandy.

16 SANDRA WASSLER: Can you hear me okay?

17 MARIE MILLER: Loud and clear.

18 SANDRA WASSLER: Great.

19 TODD JACKSON: Hi, Sandy, Todd Jackson
20 here too.

21 SANDRA WASSLER: Hi, Todd.

22 MARIE MILLER:

23 (b)(5)
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1 appreciate that.

2 DOUG COE: Yeah, we'd like to -- this is
3 Doug Coe. I'd like to get a little better insight
4 from you.

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7 (b)(5)
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10 MARIE MILLER:
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12 (b)(5)
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15 TODD JACKSON: (b)(5)

16 MARIE MILLER: That will stay.

17 DOUG COE: Okay.
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19 (b)(5)
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23 MARIE MILLER: No, actually this is why I
24 perhaps maybe caused some of the confusion by
25 communicating this yesterday. I had thought it was

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1 for American citizens.

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4 (b)(5)
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8 (b)(5)
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10 And so once they left, they can't come
11 back until 30 days is over. So that's why they want
12 to review this by April 15th, so that would basically
13 be the time they could allow people to come back.

14 TODD JACKSON: That's the earliest.

15 MARIE MILLER: The earliest.

16 DOUG COE: Okay.
17 (b)(5)

18 MARIE MILLER:
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22 (b)(5)
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(b)(5)

DOUG COE: Okay.

MARIE MILLER: Yeah, that's the main thing that they're interested in. Because most of these people live in Tokyo. And typically a metropolitan area is usually 25 miles around, a city is like in urban planning.

DOUG COE: Yeah.

(b)(5)

TODD JACKSON: That's how we understand it.

DOUG COE: Yes, I understand.

MARIE MILLER:

(b)(5)

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1 [REDACTED]
2 (b)(5)

3 TODD JACKSON: Right. And we experienced
4 that with the flight crews on our way over. The
5 flight crew told us they had real trouble getting
6 people to fly to Japan, not just Tokyo, but Japan.

7 DOUG COE: Right. And I don't know if
8 you know that the Department of State has a travel
9 advisory advising U.S. citizens not to travel to
10 Japan.

11 TODD JACKSON: We did hear that. We
12 haven't seen it. But we heard that.

13 DOUG COE: Yeah, we actually saw it on
14 the Web and --

15 TODD JACKSON: It's all related.

16 DOUG COE: Yeah, exactly. [REDACTED]

17 [REDACTED]
18 (b)(5)

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

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1 MARIE MILLER: Excellent.

2 (b)(5)

3 (b)(5)

4 (b)(5)

5 (b)(5)

6 DOUG COE: Right, of course. No I
7 understand the intent now much better. And that's
8 very helpful.

9 TODD JACKSON: Well, and we had similar
10 questions.

11 (b)(5)

12 (b)(5)

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8 DOUG COE: That's right.

9 MARIE MILLER: Exactly what we were
10 thinking ourselves.

11 TODD JACKSON: Yeah. But that was when
12 we started to understand, I think, that we did not
13 understand the issue that they were most worried
14 about. And we're just really coming to grips with it
15 all now.

16 MARIE MILLER: Yeah.

17
18 (b)(5)
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21 TODD JACKSON: Yes, you did very well.
22 And I'm really glad you came.

23 MARIE MILLER: Well, I came late. So
24 Todd got the first question.

25 TODD JACKSON: Yeah. And we were going

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1 to have a small group, we thought. And the room was
2 packed when we walked in.

3 (b)(5)

4 MARIE MILLER: So, Todd, what do you
5 think? So anyway, good effort on that.

6 (b)(5)

7 (b)(5)

8 (b)(5)

9 (b)(5)

10 (b)(5)

11 (b)(5)

12 (b)(5)

13 (b)(5)

14 DOUG COE: Okay. Yeah, two points on
15 that. One is that Vince Hollahan is in Pacific
16 Command headquarters in Hawaii now. So we talked to
17 him today for the first time.

18 (b)(5)

19 (b)(5)

20 (b)(5)

21 (b)(5)

22 (b)(5)

23 They're also interested --

24 MARIE MILLER: Would you just repeat
25 that? What is it that they're interested in?

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1 DOUG COE:

2 (b)(5)

3
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5 MARIE MILLER: Oh, okay. Hum.

6 DOUG COE:

7 (b)(5)

8
9 TODD JACKSON: And what's the office?

10 DOUG COE: Sorry?

11 TODD JACKSON: What is the office you
12 were in contact with?

13 SANDRA WASSLER: This is the Pacific
14 Command.

15 DOUG COE: This is Pacific Command.

16 SANDRA WASSLER: In Hawaii.

17 DOUG COE: This is the military command
18 of all U.S. forces in the Pacific.

19 MARIE MILLER: And you said there's an
20 NRC person embedded there?

21 DOUG COE: Yes. Vince Hollahan from the
22 NRC is now in there, in Hawaii. And we just talked
23 to him today.

24 But again, I just wanted you to know that
25 there is an NRC person in that role as a liaison to

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1 Pacific Command.

2 MARIE MILLER: Okay.

3 (b)(5)

4 DOUG COE: Yeah.

5 MARIE MILLER: -- that are --

6 DOUG COE: Based on the call we had with
7 him today, I'm just letting you know that there's a
8 couple of things that he's working on that we're
9 trying to help him with.

10 (b)(5)

11 (b)(5)

12 (b)(5)

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1 trying to come up with guidance for that.

2 TODD JACKSON: I can give you some
3 additional information there.

4 [Redacted]
5 (b)(5)
6 [Redacted]
7 [Redacted]

8 DOUG COE: Yes.

9 TODD JACKSON:
10 [Redacted]
11 (b)(5)
12 [Redacted]

13 And they asked me to be a part of that,
14 but it's really not much NRC can contribute.

15 [Redacted]
16 (b)(5)
17 [Redacted]

18 [Redacted]
19 (b)(5)
20 [Redacted]

21 [Redacted]
22 (b)(5)
23 [Redacted]
24 [Redacted]

25 And he didn't have any more detail on

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1 what the policy was or how it was being implemented.

2 [Redacted]
3 (b)(5)

4 [Redacted]
5 (b)(5)
6 [Redacted]

7 DOUG COE: Right, understand.

8 TODD JACKSON: [Redacted]
9 (b)(5)
10 [Redacted]

11 MARIE MILLER: But wait a minute.

12 TODD JACKSON: Yeah.

13 MARIE MILLER: [Redacted] (b)(5)
14 (b)(5)

15 TODD JACKSON: I don't know the answer to
16 that.

17 MARIE MILLER: [Redacted]
18 (b)(5)
19 [Redacted]

20 [Redacted]
21 TODD JACKSON: [Redacted] (b)(5)

22 (b)(5)

23 MARIE MILLER: Oh.

24 TODD JACKSON: [Redacted]
25 (b)(5)

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1 [redacted] (b)(5)

2 MARIE MILLER: [redacted]
3 [redacted] (b)(5)

4 TODD JACKSON: I don't know that.

5 MARIE MILLER: Okay.

6 TODD JACKSON: Okay. There were
7 questions and confusions.

8 MARIE MILLER: Okay.

9 TODD JACKSON: Okay. [redacted]
10 [redacted] (b)(5)

11 MARIE MILLER: Okay.

12 DOUG COE: Okay. [redacted]
13 [redacted]
14 [redacted] (b)(5)
15 [redacted]
16 [redacted]

17 TODD JACKSON: Absolutely.

18 MARIE MILLER: Yeah, right.

19 DOUG COE: [redacted]
20 [redacted]
21 [redacted] (b)(5)
22 [redacted]
23 [redacted]
24 [redacted]

25 TODD JACKSON: Right, well it --

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DOUG COE:

(b)(5)

TODD JACKSON: Well, okay.

(b)(5)

(b)(5)

(b)(5)

DOUG COE: Right.

MARIE MILLER: Right.

DOUG COE: That's the idea. We're trying to think of how we can set up some simple assumptions and come up with a basis for some number.

(b)(5)

TODD JACKSON: Okay, no argument.

MARIE MILLER: Yes.

(b)(5)

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1 (b)(5)

2 TODD JACKSON: Yeah, may get a little
3 more information later on.

4 MARIE MILLER: Okay.

5 TODD JACKSON:
6 (b)(5)
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10 (b)(5)
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13 DOUG COE: Okay.
14 (b)(5)
15
16

17 I'll pass on that, since you're on that
18 working group, that you would have an interest in
19 what the military is deciding as well.

20 TODD JACKSON: Yes. Although I am
21 anticipating only one more meeting of that working
22 group. That starts today at 12:30.

23 DOUG COE: Oh, okay. All right.

24 TODD JACKSON: Okay.
25 (b)(5)

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DOUG COE: Interesting, okay.

TODD JACKSON: Yeah, very interesting.

DOUG COE: Yeah.

MARIE MILLER:

(b)(5)

TODD JACKSON: Right.

(b)(5)

DOUG COE: Yeah. I thing that would be of interest, and we would want to know that. So

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1 thank you.

2 TODD JACKSON: Yep.

3 DOUG COE: The only other thing I wanted
4 to make you aware, just as a point of information, is
5 that we have re-started the conference calls with the
6 industry consortium to coordinate logistic flow and
7 responsibilities, roles and responsibilities, for the
8 movement of materials and support.

9 So that call occurred actually just a
10 little bit ago. And so I wasn't on it, but if you
11 didn't know already that is gearing back up again for
12 probably the long haul, I would guess, as the needs
13 become more apparent and industry steps up to assist.

14 MARIE MILLER: Yeah.

15 TODD JACKSON: Just starting up?

16 MARIE MILLER: Yeah, remember they had --
17 I'll tell Todd about that later. Yeah, Alan Blaney
18 is the lead on the Japan team for that.

19 And then Todd and I got into a loop with
20 INPO with getting a lot of information. And we want
21 to get out of that loop.

22 And so we have a meeting at 1:00 with
23 INPO and Alan Blaney so that all this type of here's
24 information you want to pass on to Japan will not
25 come through Todd and I, or whoever. So

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1 (indiscernible) here. And it will be done through
2 the consortium.

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

8 [REDACTED]
9 (b)(5)
10 [REDACTED]

11 DOUG COE: I fully understand and
12 appreciate the situation you're in. And it looks
13 like by making these links and getting you out of the
14 loop, that's getting us back to where we need to be.

15 MARIE MILLER: Yes.

16 TODD JACKSON: Right. We're not doing
17 that, we don't want to be doing that. We don't want
18 anybody to think we're doing that.

19 MARIE MILLER: Right. But there'll be
20 emails that'll be captured ultimately. And the point
21 of that will look like we've done that. And we
22 haven't done that. We've just done nothing with the
23 information other than, at this point, we'll turn
24 everything over to Alan to pass it on.

25 DOUG COE: Very good.

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1 MARIE MILLER: Anything else from your
2 end?

3 DOUG COE: Sandy?

4 SANDRA WASSLER: No, nothing else from
5 our perspective.

6 DOUG COE: Nope, I guess not.

7 MARIE MILLER: Okay. There's one thing,
8 I see it in the write-up, the review of the data that
9 you're looking at the MEX data, and the U.S. Navy
10 data and DOE aerial monitoring data.

11 Todd indicates that they are working on
12 isoplots that we hope to have maybe --

13 TODD JACKSON: Well, DOE is working on
14 isodose plots, which is one of the products they say
15 that they normally would put out, which might be
16 useful in implementing the PAGs, as far as
17 intermediate and recovery goes.

18 DOUG COE: Okay.

19 TODD JACKSON: And they aren't there yet.
20 They're hoping that Sunday they'll do that. There
21 were two things they were working on that were
22 missing.

23 One was historical meteorological data,
24 and they were trying to get that. And the second was
25 they were asked to do some strontium analysis of some

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1 samples that were collected. And they're working on
2 that. But it was not going as quickly as they had
3 hoped.

4 MARIE MILLER: Yeah, apparently they sent
5 it to Lawrence Livermore Laboratory, who then
6 apparently is not able to do it. So they have to
7 find another lab.

8 TODD JACKSON: Really?

9 MARIE MILLER: Yeah.

10 TODD JACKSON: (b)(5)

11 (b)(5)

12 MARIE MILLER: Yeah, I don't know.

13 TODD JACKSON: Like chemistry and beta,
14 okay.

15 MARIE MILLER: Yeah. But --

16 TODD JACKSON: (b)(5)

17 (b)(5)

18 MARIE MILLER: Yeah, who knows.

19 (b)(5)
20

21 So just something that we think that will
22 be an important piece. But we won't have that until
23 Sunday.

24 (b)(5)
25

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(b)(5)

And then there would be, it's almost like a metric, red, yellow, green kind of thing. And then obviously there's measures that would be behind that.

(b)(5)

(b)(5)

(b)(5)

DOUG COE: Is the daily update for this dashboard, for this exposure risk trend?

MARIE MILLER: Yes.

DOUG COE: Okay. All right, understood.

MARIE MILLER: Yeah, so it will just say on the dashboard exposure trend. And we're going to say, right now, that things are low.

But it's stable. We're not seeing a significant increase or a significant decrease. And

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1 then behind that, like on another page, would be the
2 actual values.

3 DOUG COE: Understand.

4 (b)(5)

5
6 MARIE MILLER:

(b)(5)

7 DOUG COE: Okay.

8 MARIE MILLER: Okay.

9 (b)(5)

10
11 So that will give them a point of
12 reference. But if there's any other place that you
13 think -- and this is supposed to serve as an early
14 warning.

15 DOUG COE: Right, leading indicator.

16 MARIE MILLER: Yeah. So we don't want
17 something too far out.

18 DOUG COE: Right.

19 (b)(5)

20
21
22 (b)(5)

23
24 TODD JACKSON:

25 (b)(5)

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(b)(5)

DOUG COE: Okay.

TODD JACKSON: Is that clear?

DOUG COE: Yes, it is. So it's not a way
of --

TODD JACKSON:

(b)(5)

DOUG COE:

(b)(5)

TODD JACKSON:

(b)(5)

DOUG COE: Okay.

TODD JACKSON:

(b)(5)

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1 DOUG COE: Okay. All right.

2 MARIE MILLER: And I'm just sending you
3 now an email, updated agricultural product that DOE
4 put together. And I haven't been able to open it.
5 So I'll just send it to you for information.

6 This is the first time that I've gotten
7 this. It's basically the agriculture impact product.
8 And so, anyway, so just be on the lookout for that.
9 I'm just going to hit the send button.

10 DOUG COE: That's produced by DOE?

11 MARIE MILLER: It's produced by DOE.

12 DOUG COE: Oh, okay. And I guess that's
13 based on the measurements that they've taken?

14 MARIE MILLER: Yes.

15 DOUG COE: Okay.

16 MARIE MILLER: That's my understanding.

17 DOUG COE: Okay.

18 MARIE MILLER: I don't know if it's true.
19 I'm trying to work out a computer problem
20 (indiscernible). There's a limit on --

21 DOUG COE: File size?

22 MARIE MILLER: -- on documents that I can
23 open. And it really isn't even that large. It's
24 like five megabytes or less. It seems like two
25 megabytes. And the largest I've tried to open is

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1 like five megabytes. But it doesn't let me open it.

2 DOUG COE: Oh, okay.

3 MARIE MILLER: Okay?

4 DOUG COE: All right.

5 TODD JACKSON: And in combination we have
6 different problems, but they aggravate each other.
7 Because Marie can't open those things and I can't
8 print.

9 MARIE MILLER: He can open them, but he
10 can't print.

11 DOUG COE: Okay.

12 TODD JACKSON: And I can open them, but
13 she can't print.

14 DOUG COE: Well, that's not good. But we
15 did get your email.

16 MARIE MILLER: Oh, good, good. All
17 right.

DOUG COE: Okay.

18 MARIE MILLER: Yeah. So if there's
19 anything that is of concern there, let us know. And
20 we'll pass it back.

21 DOUG COE: All right, very good.

22 MARIE MILLER: And just (indiscernible),
23 Elmo Collins arrived.

24 DOUG COE: Oh, good.

25 MARIE MILLER: So he'll be, I guess, back

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1 filling for Dan Dorman, who shortly will be leaving.

2 DOUG COE: All right.

3 TODD JACKSON: Another email from El
4 (phonetic).

5 DOUG COE: So when are you guys getting
6 relieved?

7 MARIE MILLER: Okay. All right. We have
8 a meeting.

(b)(5)

10

11

12

So we'll get ready for that.

13

DOUG COE: Thanks.

14

15

MARIE MILLER: So we'll have some
interesting things to report out at the next call.

16

DOUG COE: Okay, very good.

17

SANDRA WASSLER: Great.

18

19

DOUG COE: All right. Well, thank you
for the info, and we'll look forward to talking to
20 you soon.

21

MARIE MILLER: Thanks.

22

23

TODD JACKSON: Sure, thanks for your
support.

24

DOUG COE: Oh, you bet. Bye-bye.

25

SANDRA WASSLER: All right, bye-bye.

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1 MARIE MILLER: Bye.

2

3

4

5

6

(CONFERENCE CALL INITIATED)

7

0%XC01B_04065094

8

SANDRA WASSLER: Sandra Wassler.

9

MALE PARTICIPANT: Yeah, I'm going to

10

connect Todd Jackson from the Japan team to you

11

folks.

12

SANDRA WASSLER: All right. Thank you.

13

TODD JACKSON: Hello.

14

SANDRA WASSLER: Todd, Hi.

15

TODD JACKSON: Hi.

16

SANDRA WASSLER: Let me put you on the

17

speaker phone.

18

TODD JACKSON: Okay.

19

SANDRA WASSLER: Todd Jackson from the

20

Japan team. Hi, Todd. This is Sandy and Doug.

21

TODD JACKSON: Hi. I have just really a

22

quick question and I wanted a fax number.

23

And what I want to do is sent you the

24

guidance on exposure criteria for administering KI to

25

U.S. forces.

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1 SANDRA WASSLER: Okay.

2 DOUG COE: Oh, great.

3 TODD JACKSON: This is an unclassified
4 cable. So I'm just going to send it fax to you. I
5 got this from one of the medical officers who are
6 attached to the Embassy or something.

7 I'm not exactly sure of his position.
8 But he's been the primary on the KI group, although
9 he's not going to be able to go to the final meeting.

10 So let me have your fax number.

11 DOUG COE: We have it here.

12 SANDRA WASSLER: Hang on.

13 TODD JACKSON: Okay.

14 DOUG COE: Jay, do you a fax number over
15 there?

16 JAY: I do not.

17 DOUG COE: I think it's, okay, it's right
18 here. Okay, stand by. It's 301 --

19 TODD JACKSON: 301.

20 DOUG COE: -- 816 --

21 TODD JACKSON: 816.

22 DOUG COE: -- 5151.

23 TODD JACKSON: 5151.

24 DOUG COE: And mark attention PMT.

25 TODD JACKSON: Okay, very good. What is

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1 of interest here is on the second page at the bottom,
2 and I've marked a bracket on it.

3 SANDRA WASSLER: All right.

4 TODD JACKSON: Okay.

5 DOUG COE: The source of the document
6 again?

7 TODD JACKSON: Well, I got it from Dr.
8 Richard Nicholas.

9 DOUG COE: Okay, but who wrote the
10 document?

11 TODD JACKSON: Let's see here. It's like
12 a memo format. So all I know is what I'd be reading
13 from it. And you'll be able to see that too, okay.

14 DOUG COE: Okay, very good. And so it's
15 a memo.

16 TODD JACKSON: Yeah, it looks like it's a
17 cable for U.S. forces supporting Operation Tomodachi.

18 DOUG COE: Which is the operation
19 currently underway for supporting Japan?

20 TODD JACKSON: I have no idea.

21 DOUG COE: Okay. Okay, when is it dated,
22 Todd?

23 TODD JACKSON: March 11th.

24 DOUG COE: Okay, very good.

25 TODD JACKSON: So it looks like it's

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1 current. But I don't know anything really anymore
2 than this. It was given to him as the criteria that
3 U.S. military forces were using currently.

4 DOUG COE: Got it.

5 TODD JACKSON: Okay. I don't know where
6 he got it or how he got it. But this is--

7 DOUG COE: All right.

8 TODD JACKSON: Okay. So I'll send it off
9 and we can talk if you have questions.

10 DOUG COE: Okay, will do. Thank you very
11 much.

12 TODD JACKSON: Sure thing.

13 SANDRA WASSLER: All right, bye-bye now.

14 TODD JACKSON: Bye.
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