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2 NUCLEAR REGULATORY COMMISSION

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4 JAPAN'S FUKUSHIMA DAIICHI
5 PMT POLYCOM TABLE PHONE AUDIO FILES

6 + + + + +

7 THURSDAY,
8 MARCH 17, 2011

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(CONFERENCE CALL INITIATED)

0%EY\$^!615365094

LOU BRANDON: Hi, this is the NRC Protective Measures Team joining the bridge.

FEMALE PARTICIPANT: Welcome, NRC.

LOU BRANDON: Well, hello there.

FEMALE PARTICIPANT: Where have you guys been?

LOU BRANDON: Well, we had some ineffective turnover, and we had a bunch of numbers, we had to figure out the right one.

FEMALE PARTICIPANT: Oh, okay. Well, next time, if you ever run into a problem, you can email the

(b)(6)

LOU BRANDON: Okay, thanks.

TERRY KRAUS: Oh, hi, this is Terry Kraus, in Assessment. Just wondering, has NRC generated any new short-term data?

LOU BRANDON: Terry, this is Lou Brandon. We're just coming on shift here, at 11 o'clock, and I'm not sure we've gotten anything new in the last eight hours.

TERRY KRAUS: Okay.

LOU BRANDON: It --

TERRY KRAUS: And, do you anticipate

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1 anything coming out?

2 LOU BRANDON: The last results we got from
3 NARAC, was 3:15 p.m. results, so we haven't seen anything
4 from NARAC, for a while. So we need to come to some
5 understanding of where we're at and what's being released.

6 TERRY KRAUS: Okay.

7 PRIYA YADAV: Hey, this is NARAC. You
8 haven't seen anything, because nothing's been released.

9 LOU BRANDON: This Brenda and (indiscernible,
10 possibly "Bridget")?

11 PRIYA YADAV: No, this is Priya.

12 LOU BRANDON: Okay.

13 PRIYA YADAV: And, actually, we've been
14 trying to work, we've been actively working with DOE,
15 on the source term question.

16 LOU BRANDON: Okay.

17 PRIYA YADAV: And have had a little bit of
18 guidance. I believe, Brenda is doing one particular
19 run. I'll have to go figure out what that one is. But
20 we're, actually, still waiting for guidance on what run,
21 or runs, to do tonight, before the next set of products
22 coming out.

23 LOU BRANDON: Okay, so we need to start at
24 the top, I think, with several issues. When I was here,
25 I think, three nights ago, I had asked for indefinite

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1 pathway plot, just to see what the impact might be on
2 Hawaii, for the drive response level for milk and beef.
3 We never got any results on that.

4 But today, when I came in, three days later,

5 (b)(5)

6
7
8 MALE PARTICIPANT:

(b)(5)

9 (b)(5)

10 MALE PARTICIPANT:

(b)(5)

11 LOU BRANDON:

(b)(5)

12 MALE PARTICIPANT:

(b)(5)

13 (indiscernible).

14 LOU BRANDON: So we never saw that product
15 and --

16 MALE PARTICIPANT: Rad.

17 LOU BRANDON: And the procedure should be,
18 when the NRC sends a source term to NARAC, it should
19 be approved by the NRC, before it's released further.

20 Somehow, these things are getting out, and
21 much of what we're providing to you are worst case scenarios,
22 that shouldn't be released as anything near reality,
23 you know. So that's one issue. We should be working
24 a little bit more closely, I think, in terms of what
25 sourcing terms are processed.

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1 ANNE-MARIE: Actually, we need to regroup
2 on that. This is Anne-Marie, (indiscernible) we just
3 came on shift.

4 LOU BRANDON: Hi, Anne.

5 ANNE-MARIE: And the numbers that you're
6 talking about.

7 LOU BRANDON: Yes.

8 ANNE-MARIE: Those were generated from --
9 well, okay. I'm going to regroup with NARAC, because
10 we ended up, well, we did present those, we sent to those
11 NIT OPs, and we were told NIT Ops was supposed to, they
12 held them close, and then they went over with, you know,
13 other agencies, very closely, to review the implications.
14 And this started day before yesterday.

15 LOU BRANDON: Yes.

16 ANNE-MARIE: So we delivered that product
17 day before yesterday.

18 LOU BRANDON: Yes, it's been a while.

19 ANNE-MARIE: And NRC was requested multiple,
20 I mean, I was here when they were searching for NRC reps.
21 And I called the NRC and left messages to get people
22 to, you know, the quotes, you know, a couple of people
23 to get talk together.

24 LOU BRANDON: (Indiscernible, possibly
25 "Waiting").

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1 ANNE-MARIE: So I feel like we're having
2 some misses going on here, and some misunderstandings.

3 LOU BRANDON: Okay, that's probably
4 characteristic, because we're rotating shifts here, and
5 new people --

6 ANNE-MARIE: Right.

7 LOU BRANDON: -- around, and it's hard to
8 (indiscernible).

9 ANNE-MARIE: Yes. So I'm not saying, that
10 it's not unexpected, but I think we should do, at this
11 point, I just came onto shift, and so what I would like
12 to do is sit down, because we did really hit those numbers
13 hard yesterday and this morning, and what I'd like to
14 do is, let me regroup with Brenda and NARAC.

15 And then, let's have you and me and Terry
16 Kraus, and let's get everybody on the same page with
17 where those numbers came from, what source terms were
18 used for them, and what the next steps are right now,
19 or what the take-away (indiscernible) today, and I think
20 that'll all feed into the game plan for the night.

21 LOU BRANDON: Thank you.

22 MALE PARTICIPANT: Okay.

23 LOU BRANDON: That sounds good.

24 CHRIS NOSER: This is Chris Noser, at Naval
25 Reactor.

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1 MALE PARTICIPANT: Lou, ask you a --

2 LOU BRANDON: Go ahead, Chris.

3 CHRIS NOSER: Hey, Lou, I'm sorry to jump
4 in. You mentioned that you saw a data product from DTRA.

5 LOU BRANDON: Yes, that's right. It came
6 from DTRA. That's why I was wondering, how it's being
7 released to them, when we haven't even seen it yet.

8 ANNE-MARIE: Yes.

9 TERRY KRAUS: Yes. Okay. You know, and
10 that data product was based on some very conservative
11 source term, that I'm not sure what exactly that source
12 term was.

13 There are a number of people, who would
14 actually like to see that, who haven't been privy to
15 it. But, you know, we know what the results are of a
16 very, very conservative source term, and I was wondering,
17 can we get a more realistic source term?

18 I think that would be a very good model to
19 run, is if we can get a more realistic source term with,
20 you know, some decent release fractions, rather than
21 assuming everything's going up. So we could get a more,
22 you know, a better real world view of what may happen.

23 LOU BRANDON: Yes, I --

24 ANNE-MARIE: Terry --

25 LOU BRANDON: -- 100 percent agree, Terry.

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1 And the problem we've been facing, for the last three
2 days, is to get some kind of ground base measurement
3 data that we can calibrate our RASCAL runs with.

4 We've been asked by our management, typically,
5 to do these worst case scenarios. And every time we
6 put a caveat on it, this is worst case, and we don't
7 think this is characteristic of reality. No one should
8 be interpreting these dose projections as what's really
9 happening. But we have nothing to tie into, no hard
10 data, so --

11 ANNE-MARIE: You guys are exactly right.

12 LOU BRANDON: Last night --

13 ANNE-MARIE: We got killed today, because,
14 not killed, we had to role those numbers out. And, I
15 mean, I guess, we were rolling those out starting at
16 4:30 a.m. this morning to --

17 FEMALE PARTICIPANT: (Indiscernible).

18 ANNE-MARIE: We did, it went to the A-team.

19 FEMALE PARTICIPANT: Oh, okay.

20 ANNE-MARIE: And so we had a data product,
21 it wasn't the NARAC plot, but it was the tables we went
22 over, at three different telecons, about how they were
23 worst case, worst case, worst case.

24 LOU BRANDON: Sounds right.

25 ANNE-MARIE: And they still wanted us to

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1 put it up. We were supposed to --

2 LOU BRANDON: That's all we have though,
3 is worst case.

4 ANNE-MARIE: Yes.

5 LOU BRANDON: Yes.

6 ANNE-MARIE: But we were proposing trying
7 to an alternate run, and not keep those numbers alive.
8 We wanted to update it and with something a little bit
9 more realistic. And they told us to hold, because there
10 was the issues of the, what are we going to call, you
11 know, better --

12 LOU BRANDON: Yes --

13 MALE PARTICIPANT: Let me --

14 LOU BRANDON: -- I think one thing that can
15 --

16 ANNE-MARIE: -- than more realistic --

17 LOU BRANDON: Anne-Marie.

18 ANNE-MARIE: So two things, let me get online,
19 because when I left at about, I don't remember, noon
20 or 1 o'clock today, and right then is when they were
21 trying to post up on the CNweb the latest of those numbers,
22 that you're talking about, that came out of you, and
23 --

24 LOU BRANDON:

(b)(5)

25 ANNE-MARIE: Pardon me?

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1 LOU BRANDON:

(b)(5)

2 (b)(5)

is that what you're talking about?

3 ANNE-MARIE: Right. And so what I'll do,
4 if those didn't get posted, if they've chocked those,
5 which we didn't want to post them, if they chocked them,
6 let me work and get the last copy that was in circulation,
7 so at least you have it.

8 LOU BRANDON: Yes.

9 ANNE-MARIE:

(b)(5)

10 (b)(5)

11
12
13 LOU BRANDON: If you can share that through
14 my NARAC account, that would be great.

15 ANNE-MARIE: Great. Yes, I think I have
16 your email address. And, Terry, if you've not seen it.
17 But that way, you can at least see the last thing that
18 we ended up reviewing and tried to elaborate, a little
19 bit more, but it really got, it kept getting chopped
20 and diced and --

21 LOU BRANDON: Okay.

22 ANNE-MARIE: --therewasno (indiscernible,
23 possibly "parable") way to manage it, because it was
24 so worst case.

25 LOU BRANDON: One thing that can help us

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1 characterize this more realistically, is the AMS flyover
2 data. We're getting any of that? I would hope.

3 ANNE-MARIE: No.

4 PRIYA YADAV: Actually, as of what, an hour,
5 half-an-hour ago, they hadn't even landed.

6 LOU BRANDON: Oh.

7 PRIYA YADAV: So once you account for landing,
8 uploading, processing, I think, we're still at, probably,
9 a good three to four hours out before we'll see anything.

10 LOU BRANDON: But they had done some
11 preliminary flyovers, just over the Air Force base, and
12 had taken some ground base measurements. And they said,
13 last night at, where was it, this morning, it was going
14 to be Eastern Time 8 o'clock, where we might be able
15 to get some hard measurement data.

16 ANNE-MARIE: So, Terry, have you, I've not
17 looked yet, at 1 o'clock today, it wasn't in RAM, have
18 you seen it?

19 TERRY KRAUS: We have some monitoring data
20 in RAM, some micro hour per, you know, and CPM data
21 measurements, they're, as far as I know, there's no AMS
22 data in RAMS, and I wouldn't expect to see any in the
23 near term. (b)(5)

24 (b)(5)

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1 LOU BRANDON: Okay. So you don't even think
2 three to four hours is realistic?

3 TERRY KRAUS: I don't want to commit to that,
4 but I'd be surprised.

5 PRIYA YADAV: That was described as the best
6 case scenario.

7 LOU BRANDON: So was there an iodine
8 concentration number available at the Air Force base
9 from last night, anybody see anything like that?

10 ANNE-MARIE: There's a charcoal filter
11 that's in RAMS. If it's not in RAMS, I saw it come across
12 CMHT, Terry, but I don't have it in front of me.

13 TERRY KRAUS: Yes, it's on the CMweb. Let
14 me see if I can --

15 LOU BRANDON: Yes, we're looking for that,
16 if you could help us track --

17 LOU BRANDON: Yes. That's what we need,
18 is some kind of --

19 TERRY KRAUS: Okay, let me --

20 BRIAN CONRAD: If you go to the Japan
21 earthquake folder on the CMweb, Lou, this is Brian.

22 LOU BRANDON: Okay.

23 BRIAN CONRAD: Then go to CMHT.

24 LOU BRANDON: Okay.

25 BRIAN CONRAD: Go down, there's a CMOC field

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1 data, with a charcoal filter in there.

2 LOU BRANDON: And it gives iodine
3 concentration, as analysis --

4 BRIAN CONRAD: Very small ones, but, yes.

5 LOU BRANDON: Okay. That's something we
6 can tie into.

7 BRIAN CONRAD: Did you find that, Lou?

8 LOU BRANDON: Well, I'm not at a work station
9 right now.

10 BRIAN CONRAD: Okay.

11 LOU BRANDON: It's under Japan volcano, CMHT,
12 and what was the last thing?

13 TERRY KRAUS: Japan earthquake.

14 BRIAN CONRAD: Yes, CMHT, and then C-M-O-C
15 field data.

16 LOU BRANDON: C-M-O-C.

17 TERRY KRAUS: Field data.

18 LOU BRANDON: Field data, okay, we'll track
19 it down.

20 BRIAN CONRAD: Okay.

21 RANDY SULLIVAN: Hey, if I can break in,
22 this is Randy Sullivan. Terry had to go to brief our
23 Chairman. When we do get AMS data, in several hours,
24 do you think they would have overflowed the actual site?

25 LOU BRANDON: No, I doubt it.

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1 JOHANNA TURK: That's a negative.

2 RANDY SULLIVAN: Okay. Do you know what
3 their flight plan was?

4 JOHANNA TURK: Well, it depends on what you
5 mean by actual site. They are --

6 LOU BRANDON: The reactor site.

7 JOHANNA TURK: Right. They have turn back
8 limits, so when the counts get high, they'll turn upwind,
9 but (indiscernible).

10 RANDY SULLIVAN: Can you speak up a little
11 bit, please? Okay.

12 JOHANNA TURK: Yes, they have turn back
13 limits that will prevent them from actually flying
14 directly over the reactors. So the plan was to approach
15 the reactors from the south, as closely as possible,
16 at a safe dose rate.

17 RANDY SULLIVAN: Right.

18 JOHANNA TURK: And then fly upwind, which
19 would be to the east, until they are north of the reactor,
20 and continue a serpentine pattern then.

21 RANDY SULLIVAN: Okay. And their safe dose
22 limit is pretty low, right?

23 LOU BRANDON: Upwind is west.

24 JOHANNA TURK: I believe, the number that
25 was quoted was, half a rem per hour.

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1 RANDY SULLIVAN: Okay. So you said they
2 would fly upwind to the east, upwind would be to the
3 west, is that correct?

4 JOHANNA TURK: You're absolutely right, I
5 mis-spoke.

6 RANDY SULLIVAN: Okay, so they are not going
7 to fly even over the plume, you know, above --

8 JOHANNA TURK: That is correct.

9 RANDY SULLIVAN: -- not through it, but above
10 it, they're not going to transverse the plume?

11 JOHANNA TURK: That is correct.

12 LOU BRANDON: Yesterday the wind was blowing
13 toward Tokyo, so there's a downwind disposition path
14 toward Tokyo, are they mapping that out on the flyover?

15 JOHANNA TURK: Yes, that is the goal.

16 LOU BRANDON: Okay, great.

17 JOHANNA TURK: Okay, while I have you guys
18 on the line, if you don't mind, this is Johanna, at the
19 NIT, if you mind me changing the topic, just a little
20 bit. I have a couple of things. First, is NRC on the
21 line?

22 LOU BRANDON: Yes, there are a bunch of us.

23 MALE PARTICIPANT: There are NRC --

24 LOU BRANDON: There's a bunch of us, all
25 of us.

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1 JOHANNA TURK: Okay, great. I was just
2 wondering, can I get a direct phone number to you guys?
3 Sometimes we try to call you and the line is just busy.

4 LOU BRANDON: Of course. Are you ready?

5 JOHANNA TURK: Yes.

6 LOU BRANDON: 301-81 --

7 JOHANNA TURK: 301.

8 LOU BRANDON: -- 816.

9 JOHANNA TURK: 816.

10 LOU BRANDON: 5419, is the RAD contact --

11 MALE PARTICIPANT: You have another one.

12 MALE PARTICIPANT: And we got another one
13 on the way.

14 LOU BRANDON: -- for the HOO.

15 MALE PARTICIPANT: Direct into the HOO?

16 MALE PARTICIPANT: Oh.

17 LOU BRANDON: No, they can dial us direct
18 at this number --

19 MALE PARTICIPANT: Okay. But --

20 LOU BRANDON: -- right here, that'll ring
21 on that phone. 301-816-5195. That phone.

22 JOHANNA TURK: 5195.

23 LOU BRANDON: Right.

24 JOHANNA TURK: Okay. Thanks, a lot.

25 LOU BRANDON: Let's give you one more.

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1 JOHANNA TURK: Okay.

2 LOU BRANDON: And that's our Operations
3 Officer.

4 JOHANNA TURK: Is that the 5100 number?

5 LOU BRANDON: That's the 5100 number, that's
6 correct.

7 JOHANNA TURK: Yes, that one we have here,
8 yes.

9 LOU BRANDON: Okay.

10 JOHANNA TURK: I think you all are getting
11 more calls than we are, so I think you're just --

12 LOU BRANDON: Okay.

13 JOHANNA TURK: -- tied up all the time.
14 But that helps.

15 LOU BRANDON: But you can always get us,
16 yes.

17 JOHANNA TURK: Okay.

18 LOU BRANDON: Well, Ops --

19 JOHANNA TURK: Another question --

20 LOU BRANDON: -- changes every eight hours.

21 JOHANNA TURK: Oh, yes, it changes for us,
22 too. I totally --

23 LOU BRANDON: Okay.

24 JOHANNA TURK: Well, eight hours, that
25 sounds delightful.

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1 LOU BRANDON: Yes, you guys are contractors,
2 you're there 12 and 15 hours, right?

3 JOHANNA TURK: Yes, you can say, yes.

4 LOU BRANDON: Twenty-four.

5 JOHANNA TURK: Anyway, so I have another
6 question about, there was --

7 LOU BRANDON: Goddamn him.

8 JUDGE PARCHMENT: (b)(5)

9 (b)(5)

10
11
12 LOU BRANDON: Yes.

13 JOHANNA TURK: -- based on food intake,
14 primarily, right?

15 RANDY SULLIVAN: Yes, well, pretty much,
16 that's what we've been discussing.

17 MALE PARTICIPANT: Right, and that did not
18 come from us.

19 LOU BRANDON: No. Well, it probably did
20 come from --

21 JOHANNA TURK: Okay. Is anyone from Sandia
22 on the line, that maybe had a --

23 LOU BRANDON: -- a RASCAL doses, they came
24 from a RASCAL tool.

25 TERRY KRAUS: Yes. Yes, Sandia is on the

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1 line. We, you know, made some assessments for how much
2 activity, on the ground, would result in, you know, certain
3 dose consequences. But, ultimately, that is dependent
4 upon the source term, that NARAC was provided with, and
5 used in their models.

6 So I think, you know, really, you know, we're
7 back to the crux of, you know, what you put into the
8 NARAC model, as the source term, is going to determine
9 how big a consequence you see on the West Coast.

10 JOHANNA TURK: Absolutely. So when that
11 table got passed along, we got a question back from the
12 White House --

13 LOU BRANDON: Who's speaking, please?

14 JOHANNA TURK: This is Johanna Turk, at the
15 NIT.

16 LOU BRANDON: Okay, Johanna, you need to
17 speak a little bit closer to the microphone, because
18 you're really weak.

19 JOHANNA TURK: Okay. Sorry about that. I'm
20 actually just holding the phone up to my ear. So I'll
21 just try and be louder.

22 LOU BRANDON: Okay, thank you.

23 JOHANNA TURK: So we got some questions back,
24 wanting to see an accounting of how the ingestion dose
25 is built up. So I believe, that was Terry, from Sandia,

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1 would it be possible for you to send NIT Ops an email,
2 with a breakdown of how the equation comes together with
3 ground contamination, bio concentration, milk
4 consumption, and how that all feeds in to the thyroid
5 dose?

6 TERRY KRAUS: Okay, Johanna, what is your
7 email?

8 JOHANNA TURK: The email is
9 NITOPS@msna.doe.gov.

10 TERRY KRAUS: Okay. So just a quick overview.
11 Those calculations were based on the FRMAC's standard
12 protocol.

13 JOHANNA TURK: Yes.

14 TERRY KRAUS: So part of that includes the
15 FDA's derived intervention levels, which are DILs, which
16 is essentially, activity per kilogram in the food that
17 would result in a dose equal the 500 mili-rem to the
18 whole body, or 5,000 mili-rem to the target organ.
19 And, of course, iodine, we're looking at the thyroid.
20 Physium, we're mainly looking at the dose of the whole
21 body.

22 And then some, you know, additional
23 assumptions are made to determine how much material on
24 the ground would result in the cow's food, or the human's
25 food, to be contaminated at the DIL levels.

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1 I mean, I could go, if you have access to
2 the FRMAC Assessment Manual, that would show the specifics
3 of those calculations. I can write up some additional
4 stuff, explaining that, but it's our standard calculation
5 method.

6 JOHANNA TURK: Right. I totally understand.
7 What I'm going to do, I'm going to forward this email
8 to you. I assume, if I forward it to CMHT, you see that?

9 TERRY KRAUS: Yes.

10 JOHANNA TURK: Or do you have a better email
11 that you'd prefer?

12 TERRY KRAUS: Oh, no, that would be fine,
13 CM--

14 JOHANNA TURK: Okay.

15 TERRY KRAUS: CMHT@NNSA.DOE.GOV.

16 JOHANNA TURK: Right. And if you could,
17 basically, type up a little explanation like that, that
18 we could pass on, including the reference to the manual,
19 so that, you know, it's given some legitimacy.

20 TERRY KRAUS: Okay, I'll be happy to do that.

21 JOHANNA TURK: That's awesome.

22 CHRIS NOSER: This is Chris Noser, at Naval
23 Reactors.

24 JOHANNA TURK: Hi.

25 CHRIS NOSER: Can I ask you to add one more

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1 email address, as a copy to, to that?

2 TERRY KRAUS: Sure, Chris.

3 JOHANNA TURK: Okay.

4 CHRIS NOSER: Which is NA30ECC@nr.doe.gov.

5 JOHANNA TURK: I'm sorry, can you repeat
6 that, a little slower?

7 CHRIS NOSER: Yes. Sorry. November, alpha,
8 3, zero, echo, Charlie, Charlie, @nr.doe.gov.

9 JOHANNA TURK: Okay.

10 CHRIS NOSER: I've been asking a similar
11 question, just for contacts, earlier on, on the bridge,
12 and then I've also talked to NIT Ops some about it, too,
13 and got some explanation of it, but I think this would
14 be a much more useful synopsis than what I got so far.

15 JOHANNA TURK: Right.

16 TERRY KRAUS: Okay, so essentially, this
17 is Terry Kraus, again, what I'm going to do is just explain
18 the basis for the calculation for ingestion pathway
19 analysis.

20 JOHANNA TURK: (b)(5)

21 (b)(5)

22
23
24
25
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1 TERRY KRAUS: Okay, so -- all right. Okay.

2 So let me see, I'll draft the response and if you have
3 any comments, additional questions, feel free to get
4 on the bridge line, or you can just respond to the emails,
5 asking for more information.

6 JOHANNA TURK: Okay, great.

7 CHRIS NOSER: One more question, Johanna,
8 do you have a different line I can reach you at? This
9 is Chris Noser, at NR.

10 JOHANNA TURK: Absolutely. This phone
11 number here is 202 --

12 CHRIS NOSER: Yes.

13 JOHANNA TURK: -- 287.

14 CHRIS NOSER: 287.

15 JOHANNA TURK: 2350.

16 CHRIS NOSER: Got it. Okay, thanks. I'll
17 give you a call after (indiscernible).

18 JOHANNA TURK: Okay. Yes, I'm going to hang
19 up and then shoot you guys an email.

20 BRIAN CONRAD: Hey, NRC here, again. Sorry
21 to be slow about this whole thing, (b)(5)

22 (b)(5)

23
24 JOHANNA TURK: Absolutely, yes.

25 TERRY KRAUS: (b)(5)

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1 (b)(5)

2 BRIAN CONRAD: I got it.

(b)(5)

3 (b)(5)

4 TERRY KRAUS: -- in grass.

5 BRIAN CONRAD: We have another question.

6 TERRY KRAUS: Go ahead.

7 BRIAN CONRAD: No, we're good. That's it,
8 folks? I guess, I heard, that we should endeavor to
9 perceiver to come up with a better source term?

10 LOU BRANDON: But we're looking for AMS data,
11 to base that on, which might be available in three to
12 four hours, I understand?

13 MALE PARTICIPANT: Right.

14 MALE PARTICIPANT: At best, three to four
15 hours.

16 LOU BRANDON: Okay.

17 MALE PARTICIPANT: AMS --

18 LOU BRANDON: Or any other hard ground
19 measurement data, we need something to tie in, so we
20 can calibrate our RASCAL runs.

21 BRIAN CONRAD: Are we likely to get any hard
22 ground radiation readings? I mean, we're not, are we?
23 Nobody's doing that.

24 JOHANNA TURK: No, the field teams are only
25 taking readings at the base of our --

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1 BRIAN CONRAD: That can be helpful. We can
2 calibrate that. We can use that, if we can get
3 (indiscernible).

4 BRIAN CONRAD: Yes, we can actually use that,
5 if we can get a, I don't know, a concentration, a spectrum,
6 a reading, whatever you got.

7 LOU BRANDON: An air sample.

8 BRIAN CONRAD: An air sample.

9 LOU BRANDON: And gamma reading.

10 BRIAN CONRAD: And gamma reading.

11 TERRY KRAUS: Hey, Lou.

12 LOU BRANDON: Yes, sir.

13 TERRY KRAUS: I would say, take a look at,
14 I mean, I think your best bet at getting data is going
15 to be the RAMS database.

16 LOU BRANDON: Yes.

17 TERRY KRAUS: You have a RAMS account, don't
18 you?

19 LOU BRANDON: Yes, I think so. So I can
20 try that approach.

21 TERRY KRAUS: I mean, I think the data is
22 going to be available there, as soon as it's available.

23 LOU BRANDON: Okay.

24 BRIAN CONRAD: Now --

25 LOU BRANDON: Now, look --

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1 BRIAN CONRAD: -- how do we get, who controls
2 AMS? I guess, I should know that, but I mean, how do
3 we ask for an overflight of the plume, you know, at altitude,
4 so they don't get contaminated, how do we get that request
5 to anybody who --

6 LOU BRANDON: They have turn back limits.
7 They probably not going to be able to (indiscernible).

8 BRIAN CONRAD: Yes, I understand they have
9 turn back limits, I was told that, but couldn't they
10 be above it?

11 TERRY KRAUS: I think you'd probably want
12 to talk to Colin Nacada (phonetic), or Wendy Pemberton,
13 at RSL, who should be on the bridge line.

14 LOU BRANDON: Anybody from RSL, on the bridge
15 line?

16 MALE PARTICIPANT: Wendy's there.

17 WENDY PEMBERTON: Hello?

18 BRIAN CONRAD: Hey, Wendy, NRC, here.

19 WENDY PEMBERTON: Hi.

20 BRIAN CONRAD: We're fairly desperate to
21 have the plume characterized.

22 WENDY PEMBERTON: Yes, I think we all feel
23 that way.

24 BRIAN CONRAD: Well, I mean, what can
25 possibly happen with AMS to fly at a higher altitude

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1 so they, you know, maybe can characterize the plume at
2 some level?

3 WENDY PEMBERTON: I'm sorry, you're cutting
4 out a little bit. You know what, I'm not really, what's
5 the possibility of having them fly at a higher altitude?

6 BRIAN CONRAD: I understand they have a turn
7 back level, that will probably keep them away from the
8 plume, but I mean, can they fly higher and tell us what
9 the plume looks like?

10 WENDY PEMBERTON: Well, I mean, here's the
11 problem, I mean, one, yes, they usually just,
12 traditionally, they don't fly over a plume, directly.

13 Also, the higher you fly the less resolved
14 your data is, the less information you can get, and that
15 there's a certain point where it doesn't really gain
16 you much, factually, either. So that the question is,
17 you know, what's a safe altitude at which they can get
18 the right information?

19 BRIAN CONRAD: We have so little information,
20 right now.

21 WENDY PEMBERTON: Right.

22 BRIAN CONRAD: Information would be good.
23 Even bad data would be better than what, you know, my
24 choice of honing this choice term, is to go to first
25 principle, assume the reactor is melted X percent, maybe,

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1 add a played out factor, and I mean, that is going to
2 be so crude, and then I got to spent fuel coil burning
3 through rubble. Now, I can characterize that too, maybe,
4 but even a bad reading is better than what I'm about
5 to do.

6 WENDY PEMBERTON: Right.

7 BRIAN CONRAD: But anyway, this is such a
8 long time frame, we don't really have control over this,
9 right? That's what I sense.

10 WENDY PEMBERTON: No, I mean, we're, you
11 know, as soon as we, what we can get and as soon as we
12 get it, you know, we'll --

13 BRIAN CONRAD: Yes, it's what we're going
14 to get, yes, right, sure. Okay.

15 WENDY PEMBERTON: I mean, I know, it's awful.
16 I wish I had a say in it.

17 BRIAN CONRAD: So who does have a say in
18 it?

19 WENDY PEMBERTON: Where they fly?

20 BRIAN CONRAD: Yes.

21 WENDY PEMBERTON: That's --

22 FEMALE PARTICIPANT: That's a ground, yes,
23 that's based on who their, I would say it's either Dan
24 or Roger down there.

25 WENDY PEMBERTON: Yes, probably Dan

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1 Blumenthal.

2 LOU BRANDON: Is Dan in Japan right now?

3 FEMALE PARTICIPANT: Yes.

4 WENDY PEMBERTON: Yes, Dan and Roger are
5 both in Japan.

6 BRIAN CONRAD: Okay.

7 LOU BRANDON: Do we have contact
8 information?

9 BRIAN CONRAD: Yes.

10 WENDY PEMBERTON: Let me see what we have
11 aboard here. Be one sec.

12 ANNE-MARIE: So you guys, I do want to let
13 you know, that NARAC did some, you know, they did pull
14 off some, off of one of their hemispheric runs, and did
15 function of distance downwind, what your plume top is.

16 And they said that was something they did
17 early this morning, and discussed with both the people
18 from (indiscernible) and Dave, from the NIT, looking
19 at how high would the AMS have to go to clear, you know,
20 without getting into the thick of it, and it was in
21 kilometers.

22 BRIAN CONRAD: Yes, I got three kilometers,
23 looks like, would do it.

24 ANNE-MARIE: Yes, but the other question,
25 a lot of things got discussed about, you know,

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1 (indiscernible) of the plume --

2 LOU BRANDON: Yes.

3 ANNE-MARIE: -- how their flight path would
4 go, whether or not you'd have to come down, you know,
5 to resolve anything, even your plume, without risking
6 contaminating your detection equipment, you know, not
7 to mention, you know, the people (indiscernible) inside.
8 And so I know that got discussed heavily this morning.

9 And so, you know, people really did try to
10 put numbers to that, because they were, you know, everybody
11 was grasping at straws, you know, (indiscernible), you
12 know, everybody was really trying to figure out a good
13 way to get, you know, to take an approach for this.

14 So I'm just letting you know that, Lou.
15 That did go out, and so whoever is on the NIT, and if
16 you do get up there, you know, get to the boots on the
17 ground, you might be able to get more detail regarding
18 the decision making for the flight path.

19 LOU BRANDON: Okay, sounds good.

20 BRIAN CONRAD: Yes.

21 LOU BRANDON: Thanks, Anne-Marie.

22 BRIAN CONRAD: Okay, so --

23 LOU BRANDON: Do we have a number for Dan
24 Blumenthal and Roger, what's his last name?

25 WENDY PEMBERTON: Thompson.

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1 LOU BRANDON: Thompson, yes.

2 WENDY PEMBERTON: Yes. All right, so Dan's
3 number is, I'm going to give you two, there's a
4 (b)(6)

5 ANNE-MARIE: (Indiscernible) talk to Dan
6 regarding --

7 LOU BRANDON: Missed the last four digits.

8 WENDY PEMBERTON: (b)(6)

9 LOU BRANDON: (b)(6)

10 WENDY PEMBERTON: Right. And then the other
11 number is (b)(6)

12 LOU BRANDON: Yes.

13 WENDY PEMBERTON: (b)(6)

14 LOU BRANDON: Yes.

15 WENDY PEMBERTON: (b)(6)

16 LOU BRANDON: (b)(6)

17 WENDY PEMBERTON: And then, Roger --

18 LOU BRANDON: Okay.

19 WENDY PEMBERTON: -- is (b)(6)

20 LOU BRANDON: Yes.

21 WENDY PEMBERTON: (b)(6)

22 LOU BRANDON: (b)(6)

23 WENDY PEMBERTON: (b)(6)

24 LOU BRANDON: (b)(6)

25 WENDY PEMBERTON: Okay?

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1 LOU BRANDON: Okay.

2 WENDY PEMBERTON: Sorry I can't answer the
3 question on the decisions.

4 BRIAN CONRAD: That's all right.

5 LOU BRANDON: That helps.

6 BRIAN CONRAD: That's all right.

7 WENDY PEMBERTON: All right.

8 LOU BRANDON: Okay, anything else? Is the
9 next conference call at 5:00 a.m., Eastern time?

10 WENDY PEMBERTON: 4:00 a.m., Eastern time.

11 LOU BRANDON: 4:00 a.m., Eastern time, okay.

12 WENDY PEMBERTON: Okay?

13 LOU BRANDON: Thank you.

14 BRIAN CONRAD: Take care.

15 WENDY PEMBERTON: Talk to you soon.

16 LOU BRANDON: That was, so we're done,
17 goodbye?

18 BRIAN CONRAD: Yes.

19

20

21

22

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(CONFERENCE CALL INITIATED)

0%FBM#C615365094

JOHN NAASTROM: Do we think that's consistent with what we have?

KATHY BROCK: I'd have to look in the case summary, but this is what they sent me.

JOHN NAASTROM: If you sent it yesterday, then we'll (indiscernible).

BRUCE WATSON: Yes, that's what we sent you. It's, principally, the source term is driven by (b)(4) I'll call it, recently removed fuel bundles from the core, which was 100 days ago, or something.

JOHN NAASTROM: Yes.

BRUCE WATSON: Okay?

JOHN NAASTROM: We got a detailed health (indiscernible) just pointed out that it's 105, so that just tells you.

BRUCE WATSON: Yes, yes, that's what we had.

JOHN NAASTROM: Tells you, the geek, so that's all right, I already knew that.

BRUCE WATSON: We're all geeks here, but we don't admit it.

JOHN NAASTROM: Okay.

BRUCE WATSON: Okay, and then we have units for spent fuel pool, and we assumed 100 percent fuel

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1 damage, or fuel melt, and that's dominated by (b) fuel
(4)
2 bundles, which were recently unloaded from the core,
3 the core was empty.

4 JOHN NAASTROM: Okay.

5 BRUCE WATSON: And we did a run with all
6 the old bundles, and that contributed less than one percent
7 of the dose, so we didn't want to bog down our model
8 with it.

9 JOHN NAASTROM: All right, so those three,
10 the three source terms, you just described, is that your,
11 kind of, working assumption of their best guess, right
12 now?

13 BRUCE WATSON: Right, and that's, let me
14 just repeat it, it's Unit 2 reactor core, 33 percent
15 fuel melt, or core melt damage, no containment, and no
16 secondary containment, and no damage to the spent fuel
17 pool.

18 And then we have Unit 3, which is the spent
19 fuel pool, 50 percent fuel damage, and it's dominated
20 by the (b) recently within 105 days, discharged fuel
(4)
21 bundles, spent fuel bundles.

22 And then the third source term would be,
23 Unit 4 spent fuel pool, and we believe it was 100 percent
24 of that fuel was melted or damaged, and that is dominated
25 by the (b)(4) basically, one full core load of recently

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1 dispatched fuel from the reactor.

2 JOHN NAASTROM: How, roughly, how many days
3 is recently?

4 BRUCE WATSON: I don't know if we had an
5 exact date on that one.

6 KATHY BROCK: I think it's within the last
7 month, wasn't it?

8 BRUCE WATSON: Yes, they both were shut down
9 pretty much around the same time.

10 KATHY BROCK: Oh, no.

11 JOHN NAASTROM: Approximately 30
12 (indiscernible).

13 BRUCE WATSON: What did you say?

14 JOHN NAASTROM: Approximately 30, just for
15 a rough ballpark.

16 KATHY BROCK: 30-day.

17 BRUCE WATSON: Okay, that's good.

18 JOHN NAASTROM: All right, so --

19 BRUCE WATSON: That gives you your dominate
20 iodine source term, correct?

21 JOHN NAASTROM: So you're saying that
22 dominates the --

23 BRUCE WATSON: I think that, yes, I think
24 that, pretty much, gives you the huge iodine source term,
25 the core load of fresh fuel.

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1 JOHN NAASTROM: Okay. And then, do you have
2 a rough idea of the relative magnitude of what Unit 2's
3 iodine --

4 BRUCE WATSON: Right.

5 JOHN NAASTROM: -- production is?

6 BRUCE WATSON: No, because it's been shut
7 down a few days now.

8 JOHN NAASTROM: Okay.

9 BRUCE WATSON: Just go with the original
10 shutdown data. And I think we had some other dates,
11 when we thought the core came uncovered.

12 JOHN NAASTROM: So you're not assuming any
13 iodine from Unit 2?

14 BRUCE WATSON: Oh, yes. Just the core melt
15 is when it was shutdown, because the iodine source terms
16 starts when the, or stops being generated in the fuel
17 when it's shutdown, but then release starts when the
18 fuel melts, right? Or cladding, or whatever.

19 JOHN NAASTROM: Right.

20 BRUCE WATSON: Okay, yes. And we assume
21 iodine comes out of there, yes.

22 KATHY BROCK: Yes.

23 JOHN NAASTROM: Fair, okay. Okay.

24 BRUCE WATSON: Okay.

25 JOHN NAASTROM: Okay, so --

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1 BRUCE WATSON: So Unit 2 would be the whole
2 fleet of nuclides, you get in the core melt, it's just
3 that it's in a reactor.

4 KATHY BROCK: Yes.

5 JOHN NAASTROM: Okay, so the basic question
6 that came up -- and before we go on to the bigger political
7 things that are being out, you guys for any questions
8 for Maureen or Steve?

9 MALE PARTICIPANT: I do.

10 JOHN NAASTROM: Okay.

11 MALE PARTICIPANT: Yes, I have a question
12 on the Iodine 131 coming out of Unit 2, it's percent,
13 excuse me, 33 percent core melt, what fraction of that,
14 per day, is being assumed to be released to the atmosphere?

15 BRUCE WATSON: We assume it's just being
16 released, as it's generated.

17 MALE PARTICIPANT: Okay.

18 BRUCE WATSON: Because we don't know what
19 the hole in the containment is in --

20 JOHN NAASTROM: Okay, so it's not just
21 (indiscernible) .5 percent per day (indiscernible)?

22 BRUCE WATSON: No, no, no, no, it's --

23 JOHN NAASTROM: I just wanted to confirm
24 it, thank you.

25 BRUCE WATSON: Yes, that was if the

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1 containment was intact, that's the design basis number.

2 JOHN NAASTROM: That's gone then, thank you.

3 BRUCE WATSON: Okay. That's gone, yes.

4 KATHY BROCK: Okay, we got to get on the
5 White House call, I think everybody does, right?

6 JOHN NAASTROM: Okay, so the other issue
7 is, not issue, but just point of comparison, is start
8 times.

9 BRUCE WATSON: We use the ones that you guys
10 originally had in your runs.

11 JOHN NAASTROM: Right. And, I think, we
12 just want to, I think, just want to make sure, there
13 was quite a bit of discussion last night, our time, with
14 NRC, to kind of come up with a, I think, a consensus
15 on start times. And, Maureen, do you have the ones that
16 we were assuming?

17 MAUREEN ALAI: For the ones that we are using
18 for Unit 2, is 21-D, on the 14th of March, and then Unit
19 3, is 4-D, on the 14th of March, and Unit 4 is 11-D,
20 on the 16th of March.

21 BRUCE WATSON: I think that's fine.

22 JOHN NAASTROM: Okay. I guess it was --

23 BRUCE WATSON: I think that that's
24 consistent with what we had before.

25 JOHN NAASTROM: Now, is it consistent, and

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1 I think you did the analysis, for example, the latest
2 analyses, Unit 2, for the 16th.

3 MAUREEN ALAI: The 15th?

4 JOHN NAASTROM: I guess, I'm just trying
5 to wonder, if there's any potential things we need to
6 worry about, with the timing of these things, and iodine
7 decay, or if that's not a --

8 BRUCE WATSON: Yes, I think your numbers
9 coincide with the core recovery times on Unit 2. And
10 the other ones were, when we thought we had the explosion
11 in the water (indiscernible, possibly "loss") in those
12 units, the spent fuel pools.

13 KATHY BROCK: Bruce, I -- BRUCE
14 WATSON: We have another call to get on with the White
15 House.

16 KATHY BROCK: I think they do, too.

17 JOHN NAASTROM: Actually --

18 BRUCE WATSON: I think you have the same
19 one, I think.

20 JOHN NAASTROM: I got the same call, yes.
21 Okay, so just so, okay, I guess, we could probably discuss
22 this more on the call, you know, with them.

23 If you haven't heard, what I had heard, they
24 were just questioning, why are iodine, total iodine,
25 and, you know, they're doing some back to the envelopes

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1 calculations and trying to think, more iodine could have
2 been released, or, you know.

3 So I think, we'll just have to discuss that
4 with them, but if you're not aware of it, that's what,
5 I think, they're asking about.

6 BRUCE WATSON: (Indiscernible) quick
7 change.

8 CINDY JONES: And, I think, the other thing
9 is, (indiscernible) or not another call, (b)(5)

10 (b)(5)

11
12
13 JOHN NAASTROM: (b)(5)

14 (b)(5)

15 CINDY JONES: Yes.

16 JOHN NAASTROM: And it actually had -- so
17 what number are you looking at again?

18 CINDY JONES: That was this morning. We
19 saw the one from the 16th, (b)(5)

20 (b)(5) -

21 JOHN NAASTROM: Right.

22 CINDY JONES: -- like, (b)(5)

23 JOHN NAASTROM: Right.

24 CINDY JONES: - (b)(5)

25 (b)(5)

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(b)(5)

JOHN NAASTROM:

(b)(5)

(b)(5)

CINDY JONES: That would be much, much nicer.

BRUCE WATSON: Yes.

CINDY JONES: Can you share with us, when
you get that --

BRUCE WATSON: Data.

JOHN NAASTROM: Data (indiscernible).

CINDY JONES: -- data finalized, to send
it to us?

JOHN NAASTROM: Yes. Actually, I think
we're in the process of, if we haven't already, it's
gone to DOE. They take a look at it, and then they're
supposed to distribute it to inter-agencies.

CINDY JONES: They have not, yet. That's
the problem.

JOHN NAASTROM: There was some typos,
because you can call a draft, and there were some typos,
and so I think, they're just double checking it. But,
yes, we will pound on them to get you that.

CINDY JONES: Yes, we really need it before,

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1 like, 4:00 p.m. We needed it at 9:00 a.m., but --

2 JOHN NAASTROM: You don't understand, it's
3 got to come through the interagency channels.

4 CINDY JONES: Yes.

5 JOHN NAASTROM: Because they're doing
6 vetting, as well as us. So okay, do you have the number
7 we're supposed to call in on --

8 CINDY JONES: Yes.

9 JOHN NAASTROM: -- for White House?

10 BRUCE WATSON: We hope we have it to.

11 JOHN NAASTROM: Steve, you don't have it
12 handy though, I guess?

13 BRUCE WATSON: Yes, we have it.

14 JOHN NAASTROM: Okay.

15 KATHY BROCK: (b)(6) the PIN is

16 (b)(6)

17 JOHN NAASTROM: I think that's the number
18 we have open already, so we'll go double check that,
19 and we'll talk to you again, soon.

20 KATHY BROCK: All right.

21 BRUCE WATSON: Okay. Thanks, John.

22 JOHN NAASTROM: Thank you. Bye-bye.

23 MALE PARTICIPANT: Bye.

24 BRUCE WATSON: Thanks, everybody.

25 (Pause.)

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1 BRUCE WATSON: This is the NRC Operations
2 Center, Protective Measures Team, calling in.

3 MALE PARTICIPANT: Okay, this is DOE, NIT,
4 and NRC, calling in.

5 BRUCE WATSON: It's DOE.

6 MALE PARTICIPANT: We have Home Team on the
7 line, and NARAC is on the line, as well. Is John Naastrom
8 there?

9 JOHN NAASTROM: Yes, John Naastrom here,
10 and I've got Steve Homann with me.

11 MALE PARTICIPANT: All right. We've got
12 (b)(6) here, from the, what does he do?

13 (b)(6) (Indiscernible) Office of
14 Science and Technology Policy. So I work for (b)(6)
15 (indiscernible). He would like to understand, as fully
16 as possible, the basis for the calculations of the doses
17 that, (indiscernible).

18 (b)(5)
19
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(b)(5)

BRUCE WATSON: Okay.

(b)(6)

-- enlighten me, I'd be

grateful. Thanks.

BRUCE WATSON:

(b)(5)

(b)(5)

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(b)(5)

(b)(6)

Okay.

BRUCE WATSON:

(b)(5)

(b)(5)

(b)(6)

Okay.

BRUCE WATSON:

(b)(5)

(b)(5)

(b)(6)

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1 (b)(5)

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BRUCE WATSON:

(b)(5)

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(b)(5)

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(b)(6)

Oh, that's okay.

6

BRUCE WATSON:

(b)(5)

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(b)(5)

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(b)(6)

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(b)(5)

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1 (b)(5)

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BRUCE WATSON:

(b)(5)

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(b)(5)

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(b)(6)

Yes.

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BRUCE WATSON:

(b)(5)

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(b)(5)

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(b)(6)

Oh.

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BRUCE WATSON:

(b)(5)

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(b)(5)

12

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JOHN NAASTROM:

(b)(5)

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(b)(5)

15

BRUCE WATSON: Yes, right.

16

(b)(6)

(b)(5)

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(b)(5)

18

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BRUCE WATSON:

(b)(5)

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(b)(6)

Oh.

21

JOHN NAASTROM:

(b)(5)

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BRUCE WATSON:

(b)(5)

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(b)(6)

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(b)(5)

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(b)(5)

JOHN NAASTROM:

(b)(5)

(b)(5)

BRUCE WATSON: Yes, that's correct.

JOHN NAASTROM: Okay.

(b)(5)

BRUCE WATSON:

(b)(5)

JOHN NAASTROM: Okay.

BRUCE WATSON: Okay?

JOHN NAASTROM:

(b)(5)

(b)(5)

BRUCE WATSON: Okay, well --

(b)(6)

(b)(5)

(b)(5)

BRUCE WATSON:

(b)(5)

(b)(5)

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1 --

2 JOHN NAASTROM:

(b)(5)

3 (b)(5)

4 BRUCE WATSON: Yes.

5 JOHN NAASTROM: -- talking about --

6 BRUCE WATSON: Oh, okay.

7 JOHN NAASTROM:

(b)(5)

8 (b)(5)

9 BRUCE WATSON: Okay. Okay. I'm sorry.

10 JOHN NAASTROM:

(b)(5)

11 (b)(5)

12 BRUCE WATSON: Okay.

13 JOHN NAASTROM:

(b)(5)

14 (b)(5)

15 (b)(5)

(b)(6)

(b)(5)

21 (b)(5)

22 (b)(5)

(b)(5)

23 (b)(5)

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(b)(6)

Did NRC do that?

BRUCE WATSON: What is your email address?

(b)(6)

(b)(6)

(b)(6)

BRUCE WATSON: You're going to have to speak
louder, please.

(b)(6)

(b)(6)

(b)(6)

MALE PARTICIPANT: You're breaking up.

CINDY JONES: Okay, you're really making
this --

(b)(6)

CINDY JONES: -- (indiscernible) us.

(b)(6)

(b)(6)

--

CINDY JONES: We can't --

(b)(6)

-- executive office

president.gov.

MALE PARTICIPANT: Awe, forget it, I like
your idea better.

MALE PARTICIPANT: You do?

MALE PARTICIPANT: Yes, give him a hard --

CINDY JONES: Okay, we're having a really
terrible time hearing you, so I'm going to suggest that
you email us at NRC, and then we'll have your info.

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(b)(6) Okay, where do I send an email?

CINDY JONES: Ours is PMT.hoc@nrc.gov.

BRUCE WATSON: Not PMT12?

CINDY JONES: Oh, crap, yes. Sorry. It's
PMT12.

(b)(6) Paul, Mary, Tango --

BRUCE WATSON: 1-2 --

(b)(6) -- Oscar, Charlie.

BRUCE WATSON: Yes.

(b)(6) Is that right?

BRUCE WATSON: PMT12.HOC@nrc.gov. Sorry,
we left out the number.

(b)(6) PMT12., okay.

BRUCE WATSON: Okay?

(b)(6) Okay.

JOHN NAASTROM: And actually, if you could,
also send that to NARAC@llnl.gov.

BRUCE WATSON: Right.

JOHN NAASTROM: And so then, we'll have your
email address, as well, (b)(6) And then, likewise, when
the NRC sends that out, we send, we should have been
what we already had, but please resend to us, as well.

So then we'll all start from the same fresh set of files.

BRUCE WATSON: And your last name, (b)(6)

MALE PARTICIPANT: (b)(6)

(b)(6)

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(b)(6)

BRUCE WATSON: And that's with a B?

(b)(6)

No,

(b)(6)

(b)(6)

(b)(6)

BRUCE WATSON: okay. We're just

not quite getting the articulation through the phone

at times. Okay, well, any other questions?

(b)(6)

No, that's it, for now.

BRUCE WATSON: Okay.

JOHN NAASTROM: Actually, Bruce --

BRUCE WATSON: Yes.

JOHN NAASTROM: If we could stay on this line, if you'd like, I think, or we could call back on another line, whatever, you want to go back and --

BRUCE WATSON: Yes, why don't you call us back at 301-816-5419, that's our normal number, when you guys --

JOHN NAASTROM: After you guys send the email, we'll call you.

BRUCE WATSON: Okay.

JOHN NAASTROM: After you send that email out. Okay, so 301-846?

BRUCE WATSON: 816-5419.

JOHN NAASTROM: Okay. All right.

BRUCE WATSON: That's our regular PMT

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1 number.

2 JOHN NAASTROM: Will do, thank you.

3 BRUCE WATSON: Thank you.

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(CONFERENCE CALL INITIATED)

0%FLM89_15365094

OPERATOR: Good afternoon. May I have the
name of the conference you're joining, please?

NIMA ASHKEBOUSSI:

(b)(6)

(b)(6)

OPERATOR: All right, and may I have your
name?

NIMA ASHKEBOUSSI: This is the Protective
Measures Team with the Nuclear Regulatory Commission.

OPERATOR: Okay, I need your name, please?

MALE PARTICIPANT: Your name.

MALE PARTICIPANT: Nima.

NIMA ASHKEBOUSSI: Nima, N-I-M-A.

OPERATOR: Your last name?

NIMA ASHKEBOUSSI: A-S-H-K-E-B-O-U-S-S-I.

OPERATOR: All right, and what is your
organization?

NIMA ASHKEBOUSSI: Nuclear Regulatory
Commission.

OPERATOR: And could I get your phone number,
please?

NIMA ASHKEBOUSSI: It is 301-816-5419.

OPERATOR: Thank you, it'll be getting
underway shortly.

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1 NIMA ASHKEBOUSSI: Okay, thank you.

2 (Pause.)

3 OPERATOR: Ladies and Gentlemen, again, we
4 thank you for your patience, as today's call assembles.
5 The call will begin shortly. Again, we thank you, for
6 your patience.

7 (Pause.)

8 OPERATOR: Ladies and Gentlemen, thank you
9 for standing by. Welcome to the White House Briefing.
10 At this time, all participants are in listen only mode,
11 and later we will conduct a question and answer session
12 and instructions will be given at that time.

13 If you should need assistance during the
14 call, please, press star then zero, and an operator will
15 assist you offline. I would like to now turn the conference
16 over to our host, (b)(6) Please go ahead.

17 (b)(6) Thank you, very much,
18 Operator. Thanks, all of you, for joining us on relatively
19 short notice. We really appreciate you taking the time
20 for this briefing today.

21 We have a number of agencies, that are engaged
22 in the situation in Japan, on the line to brief you.
23 But I wanted to start just by highlighting the fact,
24 that the President made remarks today on the situation
25 in Japan in the Rose Garden. I don't know if folks have

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1 had a chance to see that. I just want to highlight a
2 couple of comments that he made.

3 Obviously, he expressed his strong
4 solidarity, and the Nation's strong solidarity, with
5 the people of Japan, but also pointed out, that we're
6 bringing all available resources to bear, to monitor
7 the situation, as closely as possible.

8 And, of course, to protect American Citizens
9 in Japan, who might be in harms way, which is why, yesterday,
10 we called for an evacuation of American Citizens who
11 were within 50 miles of the plants. But beyond the 50-mile
12 radius, the risks don't currently call for an evacuation.

13 The President also pointed out that we don't
14 expect, we do not expect harmful levels of radiation
15 to reach the United States, either on the West Coast,
16 Hawaii, Alaska, or the territories in the Pacific.

17 And, as you'll hear, because the Director
18 of the Centers for Disease Control is on the call with
19 us, that public health experts are not recommending that
20 people in the United States take precautionary measures
21 beyond staying informed, which is terribly important.

22 So with that, I'll just inform folks of what
23 they can expect on the call. We'll be hearing from the
24 Department of Energy, the State Department, the
25 Environmental Protection Agency, the Centers for Disease

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1 Control, and then folks will have an opportunity to ask
2 questions of our briefers.

3 And with that, let me turn the call over
4 to Shane Johnson, who's the Acting Principal Deputy
5 Assistant Secretary of the Office of Nuclear Energy at
6 the Department of Energy. Shane.

7 SHANE JOHNSON: Yes. At the time of the
8 earthquake tsunami in Japan, there were three of the
9 six nuclear reactors at Fukushima Dai-ichi Station in
10 operation, three (indiscernible, possibly "ran")
11 operation, and they shutdown automatically, as designed,
12 upon receipt of the initiation of the earthquake. The
13 other three units at the site were already shutdown and
14 were in refueling and maintenance outages.

15 With respect to the physical condition of
16 the six units, I'm going to step through just each one
17 and give you a brief synopsis of what we understand to
18 be their physical condition today.

19 The three that were operating, that shutdown
20 faithfully, the problem occurred is that when the tsunami
21 hit, it took out all onsite and offsite power sources.

22 So the site went dark and all electrical activity, pump,
23 valve, stopped operating, those that were not on any
24 kind of battery power.

25 With respect to Unit 1, what our current

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1 assessment is, is that the primary containment system
2 is functional. The secondary containment has been
3 damaged. The Japanese are estimating about 70 percent
4 fuel damage for Unit 1, and currently, they are actively
5 injecting seawater into the primary containment structure
6 to aid in the cooling of the fuel.

7 With respect to Unit 2, the primary
8 containment integrity was damaged. There was minor
9 damage to the secondary containment, and the Japanese
10 estimating about 30 percent fuel damage to Unit 2. And
11 (indiscernible) is active injection of seawater into
12 Unit 2, to aid in the cooling of the reactor.

13 With respect to Unit 3, it is suspected that
14 there is damage to the primary containment vessel. The
15 secondary containment structure, basically, has been
16 lost. The core, the fuel in the core, is thought to
17 be about half covered with coolant.

18 Unit 3, the recovery and mitigation is the
19 Japanese's highest priority on Unit 3, due to the suspected
20 damage on the primary containment vessel, and they have
21 been, earlier, like yesterday, or today, in Japan, were
22 dropping water on Unit 3 from helicopter.

23 With respect to Units 4, 5, and 6, I repeat,
24 they were already shut down at the time of the earthquake
25 and tsunami. However, with respect to Unit 4, the primary

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1 containment vessel is functional, but the secondary
2 containment structure has been lost, due to explosion.

3 The concern of Unit 4 is the spent fuel pool
4 for Unit 4. There are differing reports as to the condition
5 of the spent fuel pool and the coolant inventory in there,
6 but it is anticipated, by all parties, that there's
7 significant fuel damage to the fuel that is stored in
8 the spent fuel pool on Unit 4.

9 Units 5 and 6, are in the best shape of the
10 six units. They were, again, shutdown in a maintenance
11 outage from the earthquake and tsunami struck.

12 They do have, those two, are the only two
13 of the six units that have emergency diesel generator
14 power, currently, but there is still some concern, that
15 the temperature of the spent fuel pool storage vessels,
16 the water temperature are increasing, and efforts are
17 being made to restore active cooling to spent fuel pools
18 on Units 5 and 6.

19 But there is no structural damage that is
20 visible and there's really no major structural damage
21 anticipated for Units 5 and 6. And with that, I'll turn
22 it back over to our host.

23 (b)(6)

24 Thank you, very much. Next
25 up we have Kurt Campbell, who is the Assistant Secretary
for East Asian and Pacific Affairs at the State Department.

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1 Kurt.

2 KURT CAMPBELL: Thank you, very much, and
3 it's an honor to be with you all this evening. And I
4 just want to underscore the deep and profound commitments
5 of the Obama Administration, every element in it to deal
6 with this really enormous challenge and crisis that
7 confronts Japan, the United States, and others in the
8 region.

9 I just want to underscore, quickly, if I
10 can, the diplomatic and State Department missions, as
11 we see it, as we've confronted this, really in many respects,
12 unprecedented set of challenges that had just been
13 underlined for you.

14 Number 1, really at the top of our list,
15 and one of the things we always keep in mind, the foremost
16 of our mind, as we go forward, is that the safety of
17 American Citizens that are traveling and living abroad,
18 that's our first priority.

19 So we've spent enormous amount of time with
20 our Japanese colleagues trying to identify the status
21 of Americans in that Northeastern part of Japan that
22 was effected first by the earthquake, and then
23 subsequently by the tsunami.

24 There are several teachers, American
25 teachers, from what is called the JET Program, that are

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1 missing and unaccounted for in Northeast Asia, and we
2 are actively involved to see what can be done to ascertain
3 their status. And, obviously, we've been in touch with
4 the families, and we're doing everything possible to
5 support.

6 In addition, our Embassies and Consulates
7 in Japan have been kept open 24-hours a day to support
8 enormous demands, in terms of questions about issues
9 related to public safety and transportation and, basically,
10 all Consular matters.

11 We have surged people into the region, into
12 Japan, to support those activities, and very pleased
13 with the enormous efforts that people have taken to deal
14 with as many possible challenges as one can imagine,
15 whether they be trying to assist people with medicines,
16 to connecting people via phones or connectivity, to ensure
17 that loved ones back in the United States are aware of
18 the status of people who have been misplaced.

19 Secondly, we're also involved with our
20 colleagues in the White House and the Departments,
21 including the USAID in coordinating, really, what is
22 turning out to be a massive amount of enormous outpouring
23 of assistance, both privately, from the American People,
24 and as importantly, from the American Government, to
25 deal with this vast humanitarian crisis.

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1 One of the challenges in these kinds of
2 operations is that, in many respects, there is duplication
3 of requests. People don't know, even in a crisis situation,
4 what they need, and we try to work with them to identify
5 the specific issues, whether it be water, issues
6 associated with sanitation, medicines, food, everything.

7 And so we are now involved in an extraordinary effort.

8 And this is a multi national effort, not
9 just the United States, but almost every country in the
10 world. We're approaching 100 countries, who have made
11 generous commitments, both public and private, to this
12 relief effort.

13 And we're doing what we can to ensure that
14 this material arrives in a timely fashion, and it's the
15 things that are needed most during this early phase of
16 a crisis.

17 Third, and probably, the most important and
18 sensitive task that we have right now, is ensuring that
19 we are closely coordinated with the Japanese government,
20 about all pertinent information that is emanating from
21 the tragedy with the nuclear reactors.

22 It's critical that we understand what is
23 the scope of their efforts, and we have worked closely
24 with Japan to help identify for them what we believe
25 to be the crucial missions, you've heard a little bit

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1 about that, you'll hear more going forward, and to ask
2 them to share with us all necessary information so that
3 we are best able to make judgments on things like voluntary
4 departures.

5 Yesterday, the President and the Secretary
6 of State decided that we would put in place a voluntary
7 departure system, in which nonessential family members,
8 and others, would be allowed to leave Japan in an orderly
9 fashion. This is done in a very careful way. It's the
10 first step along a series of steps that might be
11 contemplated.

12 And I must say, that this is a very cautious
13 and prudent step, and at the same time that we are trying
14 to ensure that, for instance, spouses, elderly, and
15 children have the opportunity to leave Japan
16 simultaneously, we are also trying to take steps to flow
17 insubstantial numbers of relief crew, nuclear technicians,
18 safety personnel, and other military forces, who are
19 supporting Japan in their time of need.

20 For us, it has been around the clock endeavor.

21 About four hours after the crisis, we stood up a task
22 force, which is manned, again, 24 people, I think I should
23 say, sorry, 24/7, and usually, we had between 20 and
24 25 people, who are constantly on station to address all
25 the issues that we are facing in this complex contingency.

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1 I think I'll stop at that, and I'll look forward to
2 take any questions as they come up. Thank you, (b)(6)

3 (b)(6) Thank you, very much, Kurt.

4 Now we're going to hear from Bob Perciasepe, who is
5 the Deputy Administrator at the Environmental Protection
6 Agency. Bob.

7 BOB PERCIASEPE: Thank you. And thank you,
8 all, for tuning in, and being on this call. I just wanted
9 to quickly report, that EPA and the Federal Government
10 has had a radiation monitoring system in place in the
11 United States for over 40 years, and it's operated by
12 EPA. It's called RadNet.

13 We have monitors that report virtually real
14 time gamma radiation in California, Oregon, Washington,
15 Alaska, and Hawaii. We are out of -- these are very
16 sensitive instruments, and they will be able to detect
17 very, very small changes, if and when those come.

18 There are several monitors that we have that
19 are deployable for different events, and we are moving
20 some now to Guam, and Northern Mariana Island, and we
21 are also moving some, at least one, out on the Aleutian
22 Islands at Dutch Harbor.

23 We'll have a few others deployed in Alaska,
24 and a few others deployed in Hawaii, as well. I want
25 to make it clear, that these are being deployed so that

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1 we can have transparency in this process.

2 So as you've heard already, we're not
3 expecting to see harmful levels of radiation anywhere
4 in the territories or in the United States, but we want
5 to be able to be transparent and have the information
6 available as it goes.

7 So we're likely to see fluctuations as time
8 goes on, but we're not expecting these to be outside
9 the normal fluctuations you would see by going in different
10 places in the United States, itself.

11 So I will leave that basic summary there,
12 but I wanted to make sure you all knew, that we had that
13 system in place and we are watching it carefully.

14 (b)(6)

Thanks, very much, Bob.

15 Next up we're going to hear from Dr. Tom Frieden, who's
16 the Director of Centers for Disease Control. Tom.

17 TOM FRIEDEN: Thank you, all, very much,
18 for joining us, at this time. I just want to make a
19 couple of points. First, to reiterate what others have
20 said, that at this point, in any plausible, even a worst
21 case scenario, we do not anticipate harmful levels of
22 radiation reaching the United States, by including the
23 West Coast and the territories in the Pacific.

24 In addition, I want to be very clear, that
25 there is no reason anyone in this country should be taking

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1 KI at this time, Potassium Iodide. Potassium Iodide
2 has a limited role.

3 We would use it if we had a very large problem
4 with a reactor in this country, it is useful in a very
5 narrow time span, and if taken in a way that is not
6 recommended, it too can be harmful, if taken the way
7 that it's recommended, it can be very helpful.

8 But there is no one in this country, or in
9 a territory, or even in Japan, at this point, who would
10 be indicated to take KI at this point. And we do not
11 anticipate any plausible scenario that would lead to
12 the recommendation to take KI, by anyone in this country
13 or the territories.

14 And third, I'd just like to mention the food
15 supply. This is an area where the Food and Drug
16 Administration and the Agriculture Departments monitor
17 and have in place monitoring systems to determine whether
18 there is contamination.

19 Nothing that has happened, so far, would
20 indicate any risk of contamination to food supply in
21 some of the worst case scenarios, and from experience
22 with other nuclear incidents, one of the areas that we
23 would be watching carefully is for the potential of fallout
24 to effect areas where cattle graze, and would be at risk
25 for concentrating radiation into milk, which could then

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1 be harmful to children, pregnant women, and others.

2 There is nothing, so far, that would be a
3 risk of that. But if the event unfolded in such a way
4 that there would be an increased risk of contamination
5 of food supply, that is something that the Food and Drug
6 Administration and the U.S. (indiscernible) monitor for
7 actively, and will be continuing to monitor for, as we
8 move forward in the days to come. And I'll stop there.

9 (b)(6)

10 Thanks, very much. So with
11 that, let me ask the Operator, to give instructions on
12 how to ask questions, because we want to make sure that
13 folks have a chance to ask of any of the briefers, if
14 they have any questions or concerns. So, Operator, can
15 you please given instructions?

16 OPERATOR: Thank you. Ladies and Gentlemen,
17 if you have a question, or wish to make a comment, please,
18 press star then one on your touch tone phone. You'll
19 hear a tone indicating that you've been placed in Que.

20 You may remove yourself from Que at anytime by pressing
21 the pound key.

22 If you're using a speaker phone, please,
23 pick up the handset before pressing the numbers. Once
24 again, if you a question or a comment for any of our
25 speakers, please, press star one at this time. And we'll
wait a few minutes to see if someone -- and we do have

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1 a question from Elizabeth Ashford. Go ahead, please.

2 ELIZABETH ASHFORD: Hi. Thank you, very
3 much. A question about whether or not the Department
4 of Energy is going to be, excuse me, U.S. EPA is going
5 to be providing the, sort of, daily readings, or hourly
6 readings, on radiation levels to State Agencies here
7 in California? Thanks.

8 BOB PERCIASEPE: Hi. This is Bob, again.
9 We currently post our hourly data, it's on a slight
10 lag, to make sure we do the quality control, is being
11 posted on EPA's website now. It has been all along,
12 even before this incident.

13 We're also going to put some more interpretive
14 summaries up on a daily basis, as well. So if you could
15 go to epa.gov/radiation, and you would be able to find
16 your way to those sites. We have a little bit more work
17 to get it a little bit more publically interpretable,
18 but it is available now.

19 (b)(6) Thank you. Do we have
20 another question?

21 OPERATION: Yes, our next question is from
22 Governor Eddie Calvo, with the Governor of Guam. Please,
23 go ahead.

24 (b)(6) Hi, Governor.

25 EDDIE CALVO: Yes, good evening. This is

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1 Governor Calvo, from Guam.

2 (b)(6)

Thanks for joining us,

3 Governor.

4 EDDIE CALVO: Thank you, so much. Thank
5 you. You know what, obviously, we're a little concerned,
6 both us and the Northern Mariana, because its proximity
7 of these territories to Japan.

8 I know there was made mention, I want to
9 thank you for those assurances, that again, these worst
10 case scenarios, even if those worst case scenarios,
11 there's no danger to the communities on fallout.

12 But I just want to get clarification there,
13 because there is history on Guam, with the Bravo exercises,
14 that occurred in the 50's, with the nuclear, those were
15 the hydrogen bomb explosions out of Bikini, there were
16 spiked, you know, large spikes in radiation readings
17 here in Guam.

18 And what I'm concerned is, I think Japan
19 is closer, or may or may not be, but are we sure that,
20 and maybe I'm not, I don't know what would happen, you
21 can't compare a hydrogen bomb with a nuclear power plant,
22 but is that potentiality for spike radiation from a nuclear
23 power plant, worst case scenario, explosion coming to
24 Guam?

25 (b)(6)

So, Shane, can I ask you

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1 to tackle that?

2 SHANE JOHNSON: Yes. So there is no
3 behavioral similarities between the nuclear reactor,
4 even in its crippled state, and a nuclear weapon
5 detonation.

6 So with respect to any type of sudden spike
7 in radiation, it is not expected. It is not anticipated.

8 Any release of radiation is going to be a gradual event
9 over a period of time, as the nuclear fuel is, you know,
10 if it happens to melt, if it happens to be released from
11 the reactor vessel and from the facility site.

12 EDDIE CALVO: Okay, so there is no scenario,
13 whatsoever, for a spike in radiation similar to what
14 could have occurred with the Bikini explosion?

15 SHANE JOHNSON: That's correct.

16 EDDIE CALVO: Okay. Another thing, just
17 because we have about a million tourists coming in from
18 Japan a year, so we're having about ten to 15 flights
19 daily coming through our airport.

20 Plus, we've got about one vessel a week coming
21 in from Japan. I think we have one coming in from Naha,
22 in the 26th. And I just wanted to, I've reviewed it
23 with our National Guard, with Homeland Security here,
24 but we're just a little bit concerned, both number one,
25 on the protocols for contamination detection.

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1 And one thing, we know how the treatment
2 of, you know, with cargo, it's a little bit easier.
3 You know, again, talking with the Coast Guard Officials,
4 that there was a concern of contamination hot over a
5 certain level, they'll keep a shift out three miles.

6 But there is the humanitarian aspect, as
7 well, and I just want to get a better understanding of
8 it. If there is an incident, where we have crewmen from
9 a ship, or a tourist coming in from an airplane flight
10 from Tokyo, or from Narita, what, you know, both, from
11 the standpoint of protocols on contamination detection,
12 as well as, what are the protocols of dealing with this?

13 And I'm looking for some guidance from federal agencies.

14 (b)(6)

Thank you, Governor. I'm
15 not sure, and I'll let folks speak up.

16 KURT CAMPBELL: I think, I mean, so if you
17 don't, this is Kurt Campbell, I think I can help with
18 a little bit of that, if that's all right with, can I,
19 would you mind, if I jumped in on that?

20 (b)(6)

Please, do. Thank you,
21 Kurt.

22 KURT CAMPBELL: Okay. Sure. Thank you.
23 Governor, thank you, very much. And also, thank you,
24 in particular, for the very gracious welcome you gave
25 Senator Clinton, and us, when we came by. We really

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1 appreciate all that you all do for us and the warm
2 hospitality.

3 EDDIE CALVO: Hey, thanks.

4 KURT CAMPBELL: Can I just say, look, first
5 of all, the protocols that the Japanese government are
6 putting in place in all airports, basically, all entry
7 points and exit points are substantial.

8 And so they, themselves are, frankly, hyper
9 about everyone that is leaving the area. And even our
10 reporters and their equipment, as they come back, are
11 checked for radiation. So I think you can expect those
12 protocols to continue, number one.

13 Number two is, you know, one of the, you
14 know, this has been a very dark and hard period, but
15 one of the surprises that we've had, and it's been a
16 pleasant surprise, is how few people have triggered any
17 of the devices. Even people who have lived close, or
18 have worked very close to the reactors themselves.

19 But I think you can be reassured that the
20 Japanese will have a very strong protocol in place.

21 EDDIE CALVO: Well, point --

22 KURT CAMPBELL: Yes, let me. The second
23 thing is, I think, there are discussions that are already
24 beginning with FAA, in particular, about how to treat
25 someone who may trigger an airport sensor.

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1 And they are going to put in place procedures,
2 that are very similar, Governor, to the kinds of things
3 that we did, as you will recall, two years ago, with
4 both the Avian Flu and the SARS epidemics, right? And
5 so I think that that should give you some confidence
6 in terms of the overall issues.

7 And I don't think this will be particularly
8 serious, but I want to raise a third issue, which I do
9 think is of some concern, and frankly, something that
10 we've got to think about, as we get out of this crisis.

11 (b)(5)
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(b)(5)

EDDIE CALVO: Okay. Thank you.

TOM FRIEDEN: Governor, this is Dr. Frieden, from the Centers of Disease Control. And I just wanted to add one point to the points that have been made, all of which, I completely agree with.

And I'm sure you know this, but the kind of maximum contamination that we might see, would not lend itself to the spread of contamination from one person to another.

So even if we did have alarm going off, this would really be a reflection of a potential to refer that person to medical treatment, rather than a need to pursue quarantine or other such measures.

EDDIE CALVO: Okay. And if you could, help us here, please, just also for the public dissemination, if we can get a write-up on the protocols in place in

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1 Japan, for, again, screening of either passengers outbound,
2 or even air cargo, because we get produce. We get some
3 hydroponic produce from both Korea and Japan, so we need
4 some, and milk.

5 (b)(6)

Governor, so this is

(b)(6)

6 We have been contemplating, and it sounds like, on the
7 basis of your questions, it might be a good idea of doing
8 an additional briefing, tomorrow, with folks of DHS,
9 to talk about monitoring of cargo, and USDA and FDA,
10 to talk about both food issues, as well as, other imports.

11 So it sounds like it may make sense to pull
12 that briefing together for tomorrow evening. And we'll
13 be in touch with your office, if you have questions that
14 you need answered, in the meantime. Does that work?

15 EDDIE CALVO: Thank you, so much. Thank
16 you.

17 (b)(6)

Thank you, Governor.

18 Operator, do we have another question?

19 OPERATOR: Yes, we do, ma'am, and that is
20 from Hicinta Galia (phonetic), with the Office and the
21 Governor of Indiana. Please go ahead.

22 (b)(6)

Hicinta, you're from
23 American Samoa, is that correct?

24 HICINTA GALIA (phonetic): Yes. Yes,

25 (b)(6)

Governor Togiola is going to be asking a

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1 question.

2 TOGIOLA TULAFONO: This is Governor Togiola
3 Tulafono for American Samoa. Perhaps, if I should just
4 give you all my concerns, and then you can take time
5 responding.

6 I think, one of the major concerns that I
7 was going to ask about, you've already answered with
8 the potential of food contamination, because we draw
9 quite a bit of our food import from Japan and their region.

10 However, the question I was going to ask,
11 if the U.S. Government is considering an embargo of those,
12 or should we look at the situation on our own?

13 A second question, along those lines is,
14 has there been any effort to do any assessment of the
15 potential contamination to, what do you call, fish specie
16 that are in the Pacific that could possibly effect, you
17 know, the fish supply to our canneries?

18 Because the fish, the tuna fish that comes
19 through the territory come from the region in the Northwest
20 and West Pacific. So those are fairly big issues that
21 we are worried about, at this time.

22 The third question I was going to ask is,
23 I noticed from the EPA briefing, that there are no
24 equipments slated for monitoring in American Samoa, at
25 all.

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1 My question is, why, and are you confident
2 that there is no need for such monitoring, if that has
3 not been a definite conclusion, we would like to know
4 why we're excluded from the list of monitoring equipment?

5 And, finally, what is the protocol today?

6 We have quite a few Samoan families that live in and
7 around the Tokyo area. How do we check on the whereabouts
8 of some of those families that our local families have
9 not been able to contact since the incident of last week?

10 (b)(6)

Thank you, Governor. Let
11 me turn to Bob, for the monitoring portion of your question.

12 BOB PERCIASEPE: Okay, this is Bob, from
13 EPA. And, Governor, thank you for those questions. The
14 monitors, that are being placed closer to Japan in Guam
15 and Northern Mariana Islands, would detect anything that
16 would be happening, much sooner than it would get to
17 American Samoa. So that was the rationale there,
18 Governor.

19 (b)(6)

And let me just say, with
20 respect to food imports, and I'm sorry that FDA is not
21 on the call, although we will try to arrange for them
22 to brief you again, on a call that we'll host tomorrow.

23 But they are monitoring the food supply.
24 They have expressed that there is no reason for concern.
25 But we will have them on the call tomorrow, to talk

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1 you through, and answer any questions you might have
2 about food imports.

3 TOGIOLA TULAFONO: Yes.

4 (b)(6) Are you in a position to
5 answer the Governor's question, about folks looking for
6 family members, or other folks, that may be in the Tokyo
7 region?

8 KURT CAMPBELL: Every indication that we
9 have, is that everyone in the foreign community, the
10 Americans, and others, are accounted for in the immediate
11 environs around Tokyo.

12 But, what I can do, perhaps, Governor, if
13 you could get someone from your staff to contact my office.

14 Given our role in American Samoa, I have my best person,
15 has just moved over, just flew over to Tokyo, to serve
16 as the Chief of Staff, and I'll take this on, on a direct
17 basis, to see what we can do to track down, and see if
18 there are any problems.

19 These people are very busy, but I know how
20 important this is to you, and I'd really like to see
21 what we can do to help. Okay? So what I would recommend,
22 we've met before, when Secretary Clinton stopped, if
23 you could have your office just contact me, at the
24 Department of State.

25 I'm just going to give you that number, very

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1 quickly, this is my direct number, (b)(6) I'll
2 get on it, immediately, tomorrow morning, Governor, okay?

3 (b)(6) Thank you, Kurt.

4 TOGIOLA TULAFONO: Thank you, very much.

5 (b)(6) And let me just, again,
6 respond to the portion of your question about fish species.

7 And, again, the National Oceanic and Atmospheric
8 Administration isn't on this call. We can try to arrange
9 for them to be on tomorrow's briefing call.

10 My understanding is, that they're also
11 monitoring that situation, and do not believe there's
12 a reason for concern. But we will either have them contact
13 you directly, or have them on a briefing call, tomorrow,
14 for you, Governor.

15 TOGIOLA TULAFONO: Thank you, very much.

16 (b)(6) Thank you.

17 TOGIOLA TULAFONO: Okay.

18 (b)(6) Operator, is there another
19 question?

20 OPERATOR: Yes. No, they've just hung up.
21 I'm sorry.

22 (b)(6) All right.

23 OPERATOR: Again, if you have a question
24 or a comment, please press star one, at this time.

25 (b)(6) And unless another question

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1 comes up, so just again, I want to thank both our briefers,
2 but also, the folks who are participating in this call,
3 with your questions and concerns.

4 What I have, just in my notes, for things,
5 which might be useful for a briefing at this same time
6 tomorrow, is to hear from DHS on cargo and arrivals,
7 from USDA and the FDA on both food supply and import
8 issues, perhaps, National Oceanic and Atmospheric
9 Administration on fish species. And then, USAID is also
10 interested in talking through their humanitarian efforts
11 in Japan.

12 So that's what I would suggest, as a briefing
13 for tomorrow. But, obviously, the Office of
14 Intergovernmental Affairs is available to the states
15 and territories at any time, for any questions and concerns
16 that you might have, we can make sure that you're connected
17 with the relevant agencies, so you don't have to wait
18 for a briefing call, if you have a question or an issue.

19 My line at the Intergovernmental Affairs
20 Office is (b)(6) So if you have any questions
21 or concerns, before tomorrow's briefing call, please,
22 feel free to let us know.

23 So we look forward to talking with folks
24 again tomorrow, and then we will take it from there.
25 We very much appreciate everyone's participation. Thank

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1 you, both to the briefers, and from the folks around
2 the country.

3 OPERATOR: We do have another question, if
4 you would like to take that?

5 (b)(6) All right, let's do one last
6 question, Operator, thank you.

7 OPERATOR: And that is from Ben Field, with
8 the CNMI. Please, go ahead.

9 BEN FIELD: Goodmorning, from Saipan. Good
10 evening, to all of you.

11 (b)(6) Thank you.

12 BEN FIELD: Cecilia, you know, we have
13 migratory species, that they always travel to American
14 Samoa. But if we have the device that will allow us
15 to detect, you know, whether this migratory species are
16 contaminated, then we will help American Samoa, by keeping
17 them here.

18 Somy question is, although we are the closest
19 to Japan, you know, Guam does have the monitoring device.

20 And I understand, that they are packing another one,
21 that they would be sending up to Saipan in a day or two.

22 So I would like to thank, you know, the Federal Government,
23 for allowing us to use this monitoring device to, you
24 know, detect contamination.

25 According to Dr. Frieden, right now, there

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1 is no problem with the food supply contamination. My
2 question is, when do we expect, you know, food
3 contamination to, you know, to occur?

4 And the last one is, I think, (b)(6) you
5 mentioned, that we're going to have another one, another
6 conference call tomorrow on DHS. (b)(5)

7 (b)(5)
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14

15 (b)(6)

16 Thank you, Governor. So
17 let me address your question about food contamination.

18 I think our assumption is, that we do not, necessarily,
19 expect food contamination to occur.

20 But that, the FDA, this is their job, is
21 to monitor these issues, and they are on top of it and
22 monitoring the food supply. And we will arrange to have
23 them on a call, both the FDA and the U.S. Department
24 of Agriculture, on a call tomorrow, to respond to any
25 questions that you might have about that.

And, DHS, we also hope, we will have them

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1 on a call tomorrow, as well, in order to respond to your
2 concerns. And I should say that, our economic team here,
3 in general, is monitoring the potential economic effects
4 of all kinds of aspects of this situation.

5 And I've asked them, specifically, to make
6 sure that they are including the impact on the territories
7 in their analysis. So that's something we're keeping
8 an eye on, as well. We recognize that it's an important
9 concern.

10 BEN FIELD: Thank you, very much.

11 (b)(6)

12 So with that, let me conclude
13 the call, and again, thank you, Governors, thank the
14 staff from the states, who are on the call, and thank
15 our briefers. We look forward to talking with you again
tomorrow. Appreciate it, everybody.

16 OPERATOR: Thank you. That concludes our
17 office, our call for today. Thank you for your
18 participation and for using the AT&T Executive
19 Teleconference. You may now disconnect.
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followed by the pound sign.

MALE PARTICIPANT: Yes, it's
(indiscernible), they didn't leave us the ID.

MALE PARTICIPANT: No, no, it's, I got it
written down here, it's (b)(6)

OPERATOR: That is not a valid conference
ID. Please enter your conference ID, followed by the
pound sign.

MALE PARTICIPANT: It's the only one I wrote
down. All right, here's another one. Try (b)(6)

OPERATOR: That is (indiscernible). Thank
you, goodbye.

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FEMALE PARTICIPANT: Is stuff like this going in the actual data?

OPERATOR: Hi, this is the bridge line, who just joined us, please?

LOU BRANDON: Hello, this is Lou Brandon, from the NRC. Is anyone from (indiscernible) on, please?

FEMALE PARTICIPANT: Lou, we're on.

LOU BRANDON: Okay. I don't seem to have access to either the CMHT folder, or to RAMS database.

FEMALE PARTICIPANT: All right, let me run out and double check. I do have all your vitals, so let me see what we can do. Can I have, what phone do you have that I can do a direct line? Because we'll call you from that computer, and get you squared away.

LOU BRANDON: Okay, try 301-816-5419.

FEMALE PARTICIPANT: Great. And what we'll do is we'll talk you through on there and make sure all the systems (indiscernible). All right.

LOU BRANDON: Okay. Thanks, bye.

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ANNE-MARIE: Hi, this is Anne-Marie, at NARAC, is Wendy available?

WENDY PEMBERTON: Hey, Anne-Marie. I am. Did you want to talk over the main line, or did you want to, maybe, go off and (indiscernible)?

ANNE-MARIE: Let me get your phone number, because I did a little bit more homework, you know, independently, on the E-Cam (phonetic) thing, so I wanted to bounce a couple things off of you, and whoever else is there.

WENDY PEMBERTON: Sure.

ANNE-MARIE: Are you able to talk now, or do you want to wait?

WENDY PEMBERTON: Why don't you call me, right after the call, and I'll give you the number.

ANNE-MARIE: Oh.

WENDY PEMBERTON: Right after --

ANNE-MARIE: Perfect. What's your number?

WENDY PEMBERTON: (b)(6)

ANNE-MARIE: Great. And then, is, Terry, are you on the line, or Terry or --

TERRY KRAUS: Brian and I are here.

ANNE-MARIE: Excellent. It would be

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1 awesome to, once you're out of your crisis deadline,
2 it would be great, for me and you and Brian and Wendy
3 to have a quick power chat.

4 TERRY KRAUS: Okay. Okay.

5 ANNE-MARIE: So like I said, I'll start with
6 Wendy, and then, whenever you're available, we'll rope
7 you into this.

8 TERRY KRAUS: Okay.

9 ANNE-MARIE: All right, thanks.

10 TERRY KRAUS: Yes.

11 WENDY PEMBERTON: Sounds good. Thanks,
12 Anne-Marie.

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TERRY REIS: Hi, Jack, this is Terry Reis,
PMT, here.

MALE PARTICIPANT: Okay, hang on a second,
I'm connecting him right now.

TERRY REIS: Hey, Jack, you there?

JACK: Yes, yes.

MALE PARTICIPANT: Hi.

MALE PARTICIPANT: Hey, Jack.

JACK: How's it going?

TERRY REIS: Seems you got myself, Sandy
Whasler (phonetic), and Randy Sullivan, sitting around
the table, and there's a cast of others.

JACK: Allright. Well, let's be real quick.
I just wanted to tell you, I talked to DOE, they have
a room close to us over here, in the Embassy in Japan.
Apparently, their area monitoring coverage today, and
the results just came in.

TERRY REIS: Great.

JACK: So that'll be, I thought that would
be good news, for you folks, so we can run --

MALE PARTICIPANT: Yes.

TERRY REIS: Great.

TERRY REIS: Yes, we're waiting.

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1 JACK: Okay. Well, let me tell you, the
2 word I get from these folks, is that Lou Brandon has
3 access to CMweb.

4 LOU BRANDON: Yes, right.

5 JACK: He may have given it to someone else,
6 but in any case, that's the pathway for the data.

7 TERRY REIS: Thank you.

8 SANDY WHASLER (phonetic): EMS data.

9 JACK: Okay, does that make sense, everybody?
10 And you guys can get the data?

11 LOU BRANDON: Lou's right here.

12 MALE PARTICIPANT: Is it in a particular
13 folder?

14 JACK: Don't know.

15 MALE PARTICIPANT: All right.

16 JACK: Don't know, it's probably the newest
17 one there.

18 MALE PARTICIPANT: (Indiscernible).

19 MALE PARTICIPANT: (Indiscernible) I should
20 have called.

21 LOU BRANDON: Hey, can you give us any high
22 level footnote versions of it?

23 JACK: You know, what, I haven't even looked
24 at it. I just got the, you know, the pictorial of it,
25 and that, basically, they're just going up and down the

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1 coast paths, Fukushima, and they, basically, half split
2 the Dai-ichi plant, going north and south, you know,
3 along the coastline.

4 I think their intent, I talked to the guy
5 to see, they're probably going inland, a little bit,
6 over the next couple of days, and do the same thing.
7 So yes, I just don't have enough information.

8 MALE PARTICIPANT: All right.

9 JACK: I just don't have any actual data
10 points, at all, all I got is the map of the flight.

11 MALE PARTICIPANT: All right, now, did they,
12 does the map show they went over the site?

13 JACK: Not directly over it. No --

14 MALE PARTICIPANT: Since the (indiscernible)
15 we just called.

16 JACK: Okay.

17 MALE PARTICIPANT: Okay. Well, thanks.

18 RANDY SULLIVAN: Okay. Yes, hey, thank
19 you.

20 MALE PARTICIPANT: Thanks for the info.

21 JACK: Not a problem. You guys have a good
22 evening, and good morning.

23 RANDY SULLIVAN: Hey, Jack?

24 JACK: Yes?

25 RANDY SULLIVAN: We're trying to, we're kind

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1 of behind the eightball here, we're trying to make a
2 list of the guys who are there, and I know somebody has
3 that list, but I don't.

4 JACK: I'll tell you what, Randall Sullivan,
5 or what is it?

6 RANDY SULLIVAN: Yes, yes, yes.

7 JACK: Randy, or --

8 MALE PARTICIPANT: Nuclear Duck.

9 JACK: Really?

10 MALE PARTICIPANT: Yes.

11 JACK: Okay.

12 SANDY WHASLER: They call him Ducky.

13 RANDY SULLIVAN: Yes, so I mean, I got Jim,
14 Tony, Chuck, Jack, John, and Kirk.

15 JACK: Yes, well we have a list of all the
16 folks here, and our Blackberry numbers, and some other
17 information. I don't have it right here in front of
18 me, but I'll get it for you in the next couple of hours,
19 okay?

20 RANDY SULLIVAN: Okay.

21 JACK: (b)(6) --

22 RANDY SULLIVAN: Oh, no, I'm sorry,
23 Randy.Sullivan@nrc.gov.

24 JACK: Okay. I thought you were going to
25 give me your yahoo account.

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1 RANDY SULLIVAN: Yes, right.

2 JACK: Because, I know I used to call you
3 that, but --

4 RANDY SULLIVAN: Oh, I'm still called that,
5 but that's okay.

6 JACK: Okay.

7 RANDY SULLIVAN: Just Randy.Sullivan,
8 thanks.

9 JACK: Okay. And we'll talk to you guys
10 later.

11 RANDY SULLIVAN: Have a good day.

12 JACK: Okay, bye-bye.

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(b)(6)

Hello, this is (b)(6)

Is anyone else on the line?

MALE PARTICIPANT: Clair Kaufman (phonetic)

just called in, (b)(6)

CINDY JONES: Thank you. Yes, we're on the line, (b)(6) It's Cindy.

(b)(6)

Hey, Cindy. Okay, before you guys give me your name, hold on just a second. I'm being buzzed by about 40 people saying that the teleconference line is busy. More open lines available. Because I couldn't get in, that's why I'm so late. We've got a full house. Okay.

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(b)(6)

Okay. I think I've opened
up every phone line there is on this side of the ocean.

Have we still got people on the line?

CINDY JONES: Many, many of us.

FEMALE PARTICIPANT: Yes.

MALE PARTICIPANT: I believe the gang is
all here.

(b)(6)

Wow. Boy, when I called a
party, everybody comes. That's fantastic, you guys.
Okay, very slowly, around the horn, let me find out who
is here from DOE, Department of Energy? They were one
of them locked out. Okay, let me go to NRC, it looks
like they got on.

CINDY JONES: Yes, we're on, Julie.

(b)(6)

Cindy?

CINDY JONES: Yes.

(b)(6)

Cindy Jones, from NRC. Okay,
how about DHS?

MALE PARTICIPANT: (Indiscernible) Bob
(indiscernible).

MALE PARTICIPANT: (Indiscernible) Ops.

(b)(6)

So we've got the NOC.

JIM KISHLINE:

(b)(6)

Jim Kishline

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1 (phonetic), Tech Hazard.

2 (b)(6) Ah, Jim, good to hear your
3 voice.

4 CRAIG COMPTON: Craig Compton, from
5 Infrastructure Protection.

6 (b)(6) Craig, fantastic. Okay.

7 BOB HAYURST (phonetic): Bob Hayhurst
8 (phonetic), Plans.

9 (b)(6) Pardon?

10 BOB HAYHURST: Bob Hayhurst, Plans.

11 (b)(6) From where, Bob?

12 BOB HAYHURST: Plans, Operations and Plans.

13 (b)(6) Oh, you're plans.

14 MANNY APONTE (phonetic): Hey, (b)(6) Manny
15 Aponte's (phonetic) on the line.

16 (b)(6) Okay.

17 JOHN ZABKO: John Zabko, DNDO.

18 FEMALE PARTICIPANT: (Indiscernible) is on
19 the line.

20 MALE PARTICIPANT: (Indiscernible) Office
21 of the Joint Staff.

22 (b)(6) Hold on, hold on, hold on,
23 hold on, I'm asking for DHS, right now. DHS, okay, so
24 I've got DNDO, is that John, or Juan?

25 JOHN ZABKO: No, John. I (indiscernible)

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1 the background.

2 (b)(6) Okay, thanks, John. So DHS,
3 anybody else on the phone?

4 RICH BOYSBECK (phonetic): Rich Boysbeck
5 (phonetic) from DNDO, as well.

6 (b)(6) DNDO, okay. I've got DNDO.

7 MALE PARTICIPANT: (Indiscernible) Joint
8 Staff.

9 BERNIE: (b)(6) hey, (b)(6)
10 Sorry, we're a little bit late, we got kicked off, so
11 we tried again.

12 (b)(6) Fantastic. I'll come around
13 for you guys. I've got DNDO, Plans, NOC, and Jim and
14 Craig, you guys' the things always change on me, but
15 I know who you are. Have I got anybody from FEMA?

16 MIKE BARNES: Yes, this is Mike Barnes from
17 Response Operations.

18 (b)(6) Okay.

19 CRAIG POSTLEWAITE: This is DoD, Craig
20 Postlewaite, and Mark Gentleman (phonetic), and I think,
21 Colonel Aponte, as well, is on.

22 (b)(6) Okay.

23 DEANNE IDAR: Deanne, at (indiscernible).

24 (b)(6) Hold on.

25 DEANNE IDAR: Sorry.

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1 (b)(6) Hold on, hold on, I'm still
2 only at DHS. Like I said, for all those who are just
3 joining us, we've got a full house, so DHS, good. Anybody
4 from DHS, that I don't have?

5 FEMALE PARTICIPANT: Yes, CBP.

6 (b)(6) CBP, great.

7 FEMALE PARTICIPANT: Yes.

8 (b)(6) CBP. Do I have anybody from
9 TSA? How about Coast Guards? Okay, great, CBP. Okay,
10 let's transition over to DoD, now that they've come on
11 the line. It sounds like I've got Deanne, from OSD Policy,
12 and I've got Manny.

13 MALE PARTICIPANT: And Health Affairs.

14 (b)(6) I've got Health Affairs,
15 great.

16 MALE PARTICIPANT: Joint Staff.

17 (b)(6) I've got Joint Staff, right,
18 Jimmy and Steve? Steven Malone?

19 STEVEN MALONE: I'm on, ma'am.

20 (b)(6) Okay, and Jimmy's with you?

21 STEVEN MALONE: It's just me, right now.

22 (b)(6) Okay, great. Who else have
23 I got from DoD?

24 MIKE KULIASHA: You've got DTRA here. We've
25 got a group of 11 people in the Office of, Mike Kuliasha,

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1 I'm the Director of Nuclear Technology at DTRA.

2 (b)(6)

Okay.

3 MIKE KULIASHA: We've got a group here
4 (indiscernible).

5 (b)(6)

6 Welcome, DTRA. Anybody else
7 from DoD? Okay, let's go to FBI. Bernie, I got you.
8 Who else with FBI, anybody?

9 MALE PARTICIPANT: We've got a whole host
10 of people, (indiscernible) Section Chief Barbara Walls'
11 office, we've got New Grad Counter Measures Unit
12 representative, from the Directorate, so we hope to have
13 some other folks (indiscernible) about a half dozen.

14 (b)(6)

15 Okay, I appreciate you guys
16 all huddling over one phone, that helped us out. Okay,
17 let me see, who's here from Health and Human Services?

18 MALE PARTICIPANT: This is the Secretary
19 of Operations Center for HHS.

20 (b)(6)

Okay.

21 JOHN TURNER: Got John Turner, Preparedness
22 Planning, Seabernie (phonetic) Branch.

23 (b)(6)

Okay.

24 ANNE CUMMINGS: Anne Cummings, Operations
25 International Branch.

(b)(6)

Okay.

CHAD HERDINA (phonetic): Hi,

(b)(6)

this

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1 is Chad Herdina (phonetic), (indiscernible) for medical
2 (indiscernible) strategy requirements.

3 (b)(6) Hey, Chad, good to hear your
4 voice.

5 MALE PARTICIPANT: I've been trying to get
6 on the phone.

7 (b)(6) Okay. Anybody else?

8 BOB WHITCOMB: Yes, this is Bob Whitcomb,
9 CDC Radiation Studies.

10 (b)(6) Great, Bob, good to have CDC
11 here.

12 MALE PARTICIPANT: And, Julie, Norm Coleman,
13 just walked in with --

14 (b)(6) Awesome. Norm, good to have
15 you here too. Okay, how --

16 MALE PARTICIPANT: This is Arman and Siad
17 (phonetic).

18 (b)(6) Pardon?

19 MALE PARTICIPANT: Arman and Siad, from CDC.

20 (b)(6) Okay, good. So we've got CDC
21 here. Anybody from organizations not already mentioned
22 from HHS?

23 MALE PARTICIPANT: FDA Winchester.

24 (b)(6) Oh, FDA, great.

25 MALE PARTICIPANT: FDA Emergency Ops and

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1 FDA Division of Import Operations.

2 (b)(6)

Awesome. Very good.

3 MALE PARTICIPANT: And Jay (indiscernible)
4 in support of DTRA.

5 (b)(6)

6 Okay. HHS. How about EPA,
now?

7 MIKE BOYD: This is Mike Boyd from the
8 Radiation Protection Division.

9 (b)(6)

Okay.

10 JUAN REYES: And, Julie, this is Juan Reyes,
11 Office of Homeland Security.

12 (b)(6)

13 Juan, good to have you on the
phone.

14 JUAN REYES: Okay.

15 (b)(6)

16 Anybody else from EPA? Okay.
17 How about, do I have anybody from the Department of
Interior? OSHA?

18 JOHN FERRIS: Yes, this is John Ferris.
19 There's a bunch of us here, listening in.

20 (b)(6)

21 Okay, OSHA. Great. Do I have
anybody from Department of Commerce?

22 JULIE TURTON (phonetic): This is Julie
23 Turton (phonetic).

24 MONICA MEDINA: Yes, Monica Medina's here
25 from NOAA.

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1 (b)(6) NOAA, good.

2 MONICA MEDINA: We do have some other folks
3 on, but I don't know if they have made it.

4 PAUL SANDIFER: Paul Sandifer, NOAA.

5 (b)(6) From NOAA, okay.

6 PAUL SANDIFER: And Julie Turton, I know
7 is on, as well.

8 JULIE TURTON: Yes. Thanks, Paul.

9 (b)(6) Okay. I guess, I should say
10 now, that we have quite few folks on the call, just to
11 ask that, for those agencies, if you guys can just, kind
12 of, internally mop up who's on the call, I will not know
13 who's answering what questions. But, I don't know if
14 you guys want to, kind of, address for a spokes person,
15 or anything like that. However, but I'm still going
16 around the horn. Let me see if there's anybody from
17 DOE on?

18 MALE PARTICIPANT: Julie, (indiscernible)
19 here. We've got some more Ops Center, we got Tactical
20 Support here, we have Public Affairs, as well.

21 (b)(6) Okay, so you're coming in
22 really, really, faint, is there any way you can increase
23 your volume?

24 MALE PARTICIPANT: Let me just speak a little
25 louder. (Indiscernible) indicates that we've got from

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1 our Ops Center, myself, we've got Tactical Support, and
2 we have Public Affairs Support.

3 (b)(6) Okay, Tactical, and Public
4 Affairs.

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(b)(6)

No one from State. Chris or
Howe, do you mind popping a quick email over to the Task
Force One, see if anybody wants to get onboard?

MALE PARTICIPANT: (Indiscernible).

(b)(6)

Unfortunately, I don't have
very many contacts with them. I didn't know if they
wanted to be involved in this. Sure, you can just take
notes and get back to them.

FEMALE PARTICIPANT: Thanks.

(b)(6)

Okay. I know I'm missing some
big chops, but with the agencies that have not been called
on, would you guys sound off?

JANET BENINI: Department of Transportation,
Janet (indiscernible).

(b)(6)

Oh, Jan, Benini.

JANET BENINI: Hi,

(b)(6)

(b)(6)

Who's all with you, Jan?

JANET BENINI: I am by my lonesome, at the
moment, but I'm taking good notes.

(b)(6)

Fantastic. Hopefully,
you'll share those with me, afterwards. Anybody else,
any other agency?

JOHN JENTZ: Department of Agriculture here.

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1 My name's John Jentz, and I'm the Director of the Radiation
2 Safety Division. I have a couple of other members here
3 with me. We are all members of the Advisory Team on
4 Environment, Food, and Health.

5 (b)(6) Great.

6 TOM ROSS: Jan, Tom Ross, from ODNI,
7 (indiscernible).

8 (b)(6) ODNI, okay.
9

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(b)(6)

Fantastic, you guys. I think I have one, two, three, four, five, six, seven, eight, nine, ten, 11, 12, 13, 14, departments and agencies on this phone. And I've got people showing up at my door here, saying that they couldn't get on, but I've increased the numbers, so we should be good.

Hey, this is our task for this conference call. What we've been asked, from Dennis, is to use this process here, along with your agencies, to help keep them on formed, with one, what are the right now issues, you guys are working on? And for this particular working group, it's looking like detection, the response to the nuclear incident, and dosimetry.

There are other working groups going on, also, that are looking at other things. If you're here to talk decontamination, medical, or any of that stuff, that's going to be taking place in a different forum, and I can give you information on that, as you need.

So the first question is, what are the right now issues, that you guys are working on? What are some issues that you're encountering? So if you guys write that down, it's to keep us focused on the task at hand.

And then the next piece, that we'll probably

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1 want to chat a little bit about is, what are the longer
2 term issues, that you see coming down the pike towards
3 you, or what you're working on now? The longer term
4 issues, you're working on now, and when you're expecting
5 resolution of those issues? Does that make sense? I've
6 given you a pretty precise strategy for this phone call.

7 So we've been asked, on the detection, the
8 question is, for those people who are -- and we've got
9 two pieces of that. We've got, the detection work, that's
10 happening in Japan, and we've got the detection work,
11 that's going on in the Homeland.

12 So for this first tranche around the horn,
13 let's talk about the detection in Japan. The number
14 one question for detection in Japan is, the piece where
15 you're detecting for personal safety, but, the other
16 one is, the monitoring what you're finding, and whether
17 or not there is a framework developed, that corrects
18 that data, and pushes it back into some of the plume
19 modeling that's happening within the FRMAC.

20 We can talk about what assets are still
21 available to deploy, if there's messaging questions,
22 but basically, what are some decision points, that you
23 guys have reached, that you need some assistance on,
24 and how we're doing with detection in Japan.

25 Then, the next part is, the detection on

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1 the home front, which we can get to next. And the question
2 there is, you know, how are we doing with getting the
3 detectors out? Are we optimizing everybody's, you know,
4 who's collecting that data, and if there's issues being
5 encountered?

6 My understanding, from Deputy's decisions
7 this past weekend, is that DOE is in charge of the plume
8 model, and so everything from Japan activities will go
9 to DOE. I know once it hits the home front, EPA's got
10 the rose pinned on them, and so they should be collecting
11 the data. That's my own understanding.

12 CINDY: (b)(6) this is Cindy, at NRC. There
13 was a request, this morning, on the call, that we verify
14 the source term, that both DOE and we are using, is this
15 the appropriate call to do that, or is that an offline?

16 (b)(6) Just to verify what the source
17 term is?

18 CINDY JONES: Yes, what they're using for
19 these projections.

20 (b)(6) Oh, we can do that offline,
21 Cindy.

22 CINDY JONES: We need to do that, like, in
23 the next two hours, probably.

24 (b)(6) Okay. Are your folks on the
25 NARAC call, right now?

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1 CINDY JONES: No, we are not.

2 (b)(6) I'm going to guess, that
3 somebody in your organization is.

4 CINDY JONES: No, because it would be right
5 here, I'm in the Ops Center.

6 (b)(6) Oh, okay. But that would be
7 getting to you, probably, momentarily then.

8 CINDY JONES: Okay. If we have the phone
9 number, we'll have someone else call in on that.

10 (b)(6) Okay. Yes, unfortunately,
11 I don't have it.

12 CINDY JONES: All right, (b)(6) Okay,
13 thanks.

14 (b)(6) Yes. Okay, so let's go with
15 the, around the (indiscernible). Remember the questions
16 we have to answer, right now issues you're working on,
17 and any issues encountered, as it pertains to detection.

18 So let's go with the NRC, we'll start with you guys,
19 since I've got you first on my page.

20 (No response.)

21 (b)(6) Let's go with DHS. We'll come
22 back to NRC, DHS?

23 JOHN ZABKO: Hi, (b)(6) It's DNDO, John
24 Zabko. We've inventoried the equipment that we could
25 possibly package up and send out. We have a list in

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1 the JIACG, and I'm not sure who the JIACG is providing
2 that list to. It's predominantly survey meters, not
3 dosimetry, but we do have some rudimentary dosimetry
4 equipment.

(b)(6)

Okay.

6 JOHN ZABKO: And the list is ready to go.

7 I guess, you're saying, DOE's coordinating?

(b)(6)

8 No, no, that's just the plume
9 model.

10 JOHN ZABKO: Oh, I'm sorry.

(b)(6)

11 Okay, so the list is at the
12 JIACG, all right, for distribution.

13 JOHN ZABKO: (Indiscernible) but don't think
14 it's a lot.

(b)(6)

15 No, no. Okay. For detection,
16 any other folks? What are the issues you're working
17 on, and if you've encountered any difficulties?

18 MIKE KULIASHA:

(b)(6)

19 if I could speak for
DTRA, this is Mike Kuliasha.

(b)(6)

20 Not yet, not yet, not yet,
21 DTRA, I'm going with DHS, right now.

22 MALE PARTICIPANT: Yes,

(b)(6)

23 this is FEMA,
24 we're supporting EPA's effort to relocate some of their
25 RadNet resources. I'm sure they'll go into that, when
you get to them.

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(b)(6)

Thanks, FEMA. NOC? DHS NOC?

FEMALE PARTICIPANT: We have nothing to report.

(b)(6)

Okay. How about, Jim, or Craig, anything on the detection part?

MALE PARTICIPANT: Nothing to report, (indiscernible).

MALE PARTICIPANT: Nothing from IT.

(b)(6)

Plans?

BOB HAYHURST: Nothing from Plans, right now.

(b)(6)

CBP?

FEMALE PARTICIPANT: Nothing to add.

(b)(6)

Okay. HHS, let's go to you guys, is there anything with detection, that you guys are involved in?

MALE PARTICIPANT: Negative.

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(b)(6) EPA.

MIKE BOYD: Yes, we have our 124 fixed stations operating and still showing, as expected, background levels. We have deployed our deployable units to Guam, Saipan, and additional ones, to Alaska and Hawaii.

(b)(6) You got something up to Saipan?

MIKE BOYD: Yes, Saipan and Guam are receiving our deployable monitoring stations.

(b)(6) Okay. Along with the Aleutian Islands, right?

MIKE BOYD: Yes, yes.

(b)(6) Great, and Hawaii, okay.

MALE PARTICIPANT: (Indiscernible).

(b)(6) Okay, are they up and running yet, EPA, or are you still setting them up?

MIKE BOYD: They're in route. The deployables are in route. All the 124 fixed stations are running, but those are mainland, and Hawaii and Alaska.

(b)(6) When do you see the ones that you're sending out, when do you see those arriving, and getting trained up, so that they're operational?

MIKE BOYD: I'll have to get that information for you, I would assume --

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1 (b)(6) Okay (indiscernible).

2 MIKE BOYD: Unless Juan knows, I would assume,
3 within 24 hours.

4 JUAN REYES: Yes, that's the best
5 guesstimate, at this point, (b)(6)

6 (b)(6) Great. Thanks, Juan.

7 JUAN REYES: And you asked another question
8 about what we're doing in Japan, though, we don't have
9 anything in Japan right now.

10 (b)(6) No, no, no, no, no, that's
11 right. OSHA, anything on detection?

12 JOHN FERRIS: No, not at this time.

13 (b)(6) DoD, DTRA, and Health Affairs,
14 Joint Staff Policy?

15 CRAIG POSTLEWAITE: This is Craig
16 Postlewaite, at Health Affairs. We got two air sampling
17 stations set up, one at Yokota, and one at Misawa, both
18 Air Force installations, sampling every eight hours,
19 with high volume air samplers, and collecting filter
20 paper samples for transmission back to the School of
21 Aerospace Medicine, but there is some direct readings
22 in theater.

23 They are monitoring the air every eight hours,
24 and so far, have not reported any readings above background.
25 We're hopeful, that the Army and the Navy can begin

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1 doing similar monitoring in the next day or so.

2 PHIL: Craig, can you repeat the location
3 of those, please?

4 CRAIG POSTLEWAITE: Yes, Yokota Air Base,
5 which is to the South, near Tokyo. And Misawa, which
6 is about 240 miles North.

7 (b)(6) And can you repeat who you're
8 sending the information to?

9 CRAIG POSTLEWAITE: Yes, the filters are
10 coming back to the School of Aerospace Medicine, for
11 analysis. The School of Aerospace Medicine is in
12 transition from Brooks Air Force Base, Texas, to
13 Wright-Patterson Air Force Base, Ohio, so I'm not sure
14 where the actual lab analysis is being accomplished.

15 (b)(6) Okay, great. And is that
16 linked into any of the bigger activities?

17 CRAIG POSTLEWAITE: Not that I'm aware of.

18 (b)(6) Okay. So I'll ask the question
19 of, how do we link this in, how do we link this information
20 (indiscernible).

21 PHIL: DoD, this is DOE, if you can, give
22 us point of contact for the School of Medicine
23 (indiscernible) and try to link up to them, and
24 (indiscernible) any of the results from those air
25 samplers.

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1 CRAIG POSTLEWAITE: Yes, I can do that.
2 It says here in the note I have, they're being reported
3 to the Emergency Operations Center and the ICC, locally,
4 which are military command posts in Japan, themselves.

5 So there may be some possibly of acquiring
6 the direct reading results from Pacific Command, or Joint
7 Staff may be able to facilitate that, as well.

8 PHIL: Well, just a point of contact would
9 be helpful to us. (Indiscernible) would save us that
10 step, that would be appreciated.

11 CRAIG POSTLEWAITE: Yes, who's speaking
12 please?

13 (b)(6) Is this the Department of
14 Energy, is this Phil?

15 PHIL: No, this is Phil, Department of
16 Energy.

17 (b)(6) Yes, yes, yes, yes.

18 PHIL: The (indiscernible) Ops Center.

19 CRAIG POSTLEWAITE: Could you give me a phone
20 number, please?

21 PHIL: (b)(6)

22 CRAIG POSTLEWAITE: I'm sorry, the last four
23 numbers?

24 PHIL: (b)(6)

25 CRAIG POSTLEWAITE: (b)(6) copy. Okay, will

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1 do.

2 (b)(6)

3 Okay, that's Health Affairs,
4 anybody else at DoD?

5 DEANNE IDAR: This is OSD Policy. One of
6 the things that we're looking at, (b)(6) is not only
7 in who has monitors and detectors, what type they are,
8 who's taking accumulative doses, and assessing that,
9 and keeping track of that, and where that information
10 is going.

11 (b)(6)

12 Great.

13 DEANNE IDA: And we don't have that all tied
14 up, because there are more questions than there are
15 answers.

16 CRAIG POSTLEWATE: Yes, this is Craig
17 Postlewaite, again, in Health Affairs. I can speak to
18 some of that, whether you want to cover that now, under
19 detection, or whether you want to do it under dosimetry,
20 I can address, at either point.

21 (b)(6)

22 All right, if it's a --

23 DEANNE IDA: (Indiscernible)

24 (b)(6)

25 (b)(6)

-- dosimetry question, we'll
get to it there. The question, though, is, if you have
monitors, like air, well, if that's dosimeters, but air
samplers, or actual hand-held detectors, that you're
using for, you know, turn-back rates, or whatever, let's

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1 talk about that in dosimetry. But if you're doing it,
2 actually, to figure out where, you know, kind of,
3 consequence management question?

4 Are you just simply, Deanne, saying that
5 you're asking across DoD, to find out where that
6 information is going to, that this would require kind
7 of a question over to PayCom (phonetic), is that what
8 you're searching right now?

9 DEANNE IDAR: In part, but going back to
10 the latter part, of what you just said, too, what other
11 type of monitors do we have in theater?

12 (b)(6) Okay. Great. Yes, that'll
13 be very interesting to understand, have a look at that.
14 Anything else, Deanne?

15 CRAIG POSTLEWAITE: This is Craig
16 Postlewaite, again. I wanted to add a little bit more
17 information, as to where the monitoring information is
18 going.

19 (b)(5)
20
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1 monitoring to individuals at a particular site.

2 (b)(6)

3 Okay. And who's hosting the
4 DOEHS, is that DTRA, or Health Affairs?

5 CRAIG POSTLEWAITE: It's a Health Affairs
6 product.

7 (b)(6)

8 Okay. How about DTRA,
9 anything? Or, Health Affairs, is there anything else,
10 you wanted to add, at this point?

11 CRAIG POSTLEWAITE: No. I can speak a little
12 bit to the dosimeters, in a minute.

13 (b)(6)

14 Okay, great. DTRA, anything
15 on detection?

16 MIKE KULIASHA:

17 (b)(5)

18 (b)(5)

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1 (indiscernible) on that.

2 (b)(6)

3 Is that the harvester pod,
4 you're talking about?

5 MIKE KULIASHA:

(b)(5)

6 (b)(5)

7 (b)(6)

8 Got it.

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(CONFERENCE CALL INITIATED)

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FEMALE PARTICIPANT: Hello?

MALE PARTICIPANT: I'm sorry, 301-336-1274?

FEMALE PARTICIPANT: Yes.

MALE PARTICIPANT: I'm sorry, I have the
wrong number.

FEMALE PARTICIPANT: Okay.

MALE PARTICIPANT: Sorry to --

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FEMALE PARTICIPANT: Hello?

MALE PARTICIPANT: Is this the DOE Bridge?

FEMALE PARTICIPANT: No, you have the wrong
number.

MALE PARTICIPANT: Oh, okay. I won't call
you again.

FEMALE PARTICIPANT: Okay.

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1 (CONFERENCE CALL INITIATED)

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3 OPERATOR: Welcome to AT&T's Teleconference
4 Service. Please enter your access code, followed by
5 the pound sign.

6 MALE PARTICIPANT: All right.

7 OPERATOR: To join the conference, as the
8 Host, press star, otherwise, press pound. There are
9 six participants on the call, including you. You are
10 joining your conference, as a participant. For a menu
11 of available commands, press star pound.

12 BRUCE WATSON: This is the NRC Protective
13 Measures Team.

14 KAREN: Hi, there. How are you?

15 BRUCE WATSON: Okay.

16 KAREN: Okay. I think we've got everybody
17 that we're going to get, I think. Do you want to go
18 ahead and start it?

19 KATHY BROCK: Are you talking to NRC?

20 KAREN: Yes.

21 KATHY BROCK: Karen, this is Kathy Brock.

22 KAREN: Hi, Kathy.

23 KATHY BROCK: How are you?

24 KAREN: I'm fine. I haven't talked to you
25 for a thousand years, but, go ahead.

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1 KATHY BROCK: Well, I guess, as part of our
2 turnover, I have four questions for the Bridge, so I'm
3 hoping that is appropriate for now.

4 KAREN: Okay.

5 KATHY BROCK: I understand that we have some
6 flyover data from the AMS?

7 KAREN: That is correct, and it's in the
8 approval process, we hope to have that out and available
9 very soon, in like, really, very soon.

10 KATHY BROCK: Okay, thank you. And how will
11 you transmit that to us?

12 KAREN: It'll come back up, I believe,
13 through the NIT, so that'll be out for distributions
14 for that.

15 KATHY BROCK: Like in an email? Can we get
16 it in an email, or --

17 KAREN: I believe so, I'll double check for
18 you and how they're going to distribute them.

19 KATHY BROCK: Okay. I'll give you my email
20 address, just in case that that's the method you use,
21 how about that?

22 KAREN: Okay, that's fine.

23 KATHY BROCK: PMT12.HOC@nrc.gov.

24 KAREN: PMT12.HOC.nrc.gov, okay?

25 KATHY BROCK: It was @nrc.gov.

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1 KAREN: Correct.

2 KATHY BROCK: Okay.

3 KAREN: Okay.

4 KATHY BROCK: Fantastic.

5 KAREN: Thanks.

6 KATHY BROCK: Very good. Okay, thank you.

7 BRUCE WATSON: That's the first question,
8 right?

9 KAREN: That's the first question.

10 KATHY BROCK: Yes, very good.

11 KAREN: You had four, you're on a roll.

12 KATHY BROCK: Yes. So then we were hoping
13 to get some data to support the NARAC CMHT Calculated
14 Potential Dose Table, (b)(5)

15 (b)(5) I think it's --

16 KAREN: I didn't understand what you were,
17 what was your question?

18 KATHY BROCK: I'm looking at a table labeled,
19 NARAC/CMHT Calculated Potential Dose. (b)(5)

20 (b)(5)

21
22 KAREN: Okay.

23 KATHY BROCK: We were interested in getting
24 some justification for where you got these numbers.

25 ANNE-MARIE: So I'm going to speak to that

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1 really quick. We just updated those, or at least half,
2 the iodides are updated, the mixes and full spectrum
3 for the ground site is in progress.

4 Those have been sent to NIT Ops, or NIT,
5 and I've not heard how it's coming out of there. But
6 we do have the, like I said, we are updating them. We
7 have added additional descriptions, you know, descriptive
8 material to it, and we'll have to check in with the NIT.

9 KATHY BROCK: Okay. And so --

10 BRUCE WATSON: We'd like to be on
11 distribution of that information.

12 ANNE-MARIE: Yes, we have to push it through
13 the NIT. Is the NIT on?

14 KATHY BROCK: No, we haven't heard from them.
15 They had an 8 o'clock briefing, themselves.

16 ANNE-MARIE: Okay, let me touch base with
17 them, because we were held very, very strictly to only
18 giving it to them, and they will the distribution.

19 So we'll pulse them, especially when we update
20 the rest of that table, we'll pulse them for distribution.

21 And we'll go ahead and see if we can send it to, you
22 know, CM Home Team, NRC, and that crowd.

23 BRUCE WATSON: Well, obviously, we already
24 have it.

25 ANNE-MARIE: I --

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1 CINDY JONES: This is Cindy Jones, in the
2 PMT, as well. I was on the call yesterday morning, the
3 SVTS call, where it was expressed explicitly, that Tom
4 D'Agostino, and his team, mentioned that it would get
5 to NRC yesterday afternoon. And this was based on the
6 presentation that was given by NARAC at the 6:00 a.m.
7 SVTS call yesterday morning.

8 ANNE-MARIE: Right.

9 CINDY JONES: So we would like to get the
10 data that supports that, and if you mention now that
11 you have an updated presentation, or dose assessment,
12 we would need that, (b)(5)

13 (b)(5)

14 ANNE-MARIE: Oh, okay. Well, that's
15 awesome. Let me check in with the NIT, and see about
16 getting that out.

17 CINDY JONES: And when can, I mean, we were
18 told yesterday, we were going to get it by 3:00 p.m.
19 or 6:00 p.m. Now, we're a day later and the Commission
20 Chairman would really like to get this information.
21 Can we call someone in an hour or two to see when we
22 expect to get that?

23 ANNE-MARIE: Yes, I would call the NIT.
24 We're pushing it there. I'm not sure what to tell you.
25 So we can call them, and you can call them.

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1 CINDY JONES: And they have the information?

2 Is it Dave Bowman ---

3 BRUCE WATSON: Dave Bowman?

4 CINDY JONES: -- or Nate Russell? Who, at
5 the NIT?

6 ANNE-MARIE: Let me see, we've been going
7 through Johanna Turk, has been the point of contact,
8 at least as of a couple hour or two ago. Let me check
9 in with my boss, and I'll see who his point of contact,
10 you know, is, currently. But a couple of hours ago,
11 Johanna. So we'll follow-up on it.

12 KATHY BROCK: Thank you.

13 BRUCE WATSON: Item 3.

14 KATHY BROCK: (b)(5)

15 (b)(5)

16

17

18

19

ANNE-MARIE:

20 (b)(5)

21

KATHY BROCK: Yes.

22

BRUCE WATSON:

23

(b)(5)

24

ANNE-MARIE: Oh, thank you. Okay.

25

KATHY BROCK: Right.

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1 ANNE-MARIE: That does my heart better,
2 thank you. So we just released up, and this one up to
3 the NIT, the CMHT, and I can't remember the distribution,
4 but it went up to the CMweb, so one run has already gone
5 out.

6 CINDY JONES: And what is that called, so
7 when we contact the NIT, we can ask for that. For some
8 reason, NRC doesn't appear to be getting --

9 BRUCE WATSON: Yes, we --

10 CINDY JONES: -- any of this information
11 from the NIT, and that's a problem we have to fix today.

12 BRUCE WATSON: Yes, we asked for this
13 yesterday, about 11:00 a.m.

14 ANNE-MARIE: Okay, well this is a new, this,
15 okay, so maybe we're talking about different runs, we
16 --

17 BRUCE WATSON: Well, we --

18 CINDY JONES: No, it's a (indiscernible)
19 one.

20 BRUCE WATSON: -- may be, but we never saw
21 the original.

22 ANNE-MARIE: Oh, okay. So the one that we
23 just posted, I would have to go back and look at the
24 title, but it just came out about an hour or so ago,
25 that was posted, so be checking with the NIT, you know,

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1 ask for the latest.

2 We have another run that's in progress.
3 So one that was just run was the transpacific, and so
4 that supports what you're asking about for updating the
5 tables.

6 The next run is the local run, and that's
7 with the three units, it's Unit 2 at, you know, 33 percent
8 core melt, and then the Unit 3 and Unit 4 spent fuel
9 pool fire.

10 BRUCE WATSON: Right, and the wind direction
11 was toward Tokyo on this one.

12 CINDY JONES: No, this (indiscernible).

13 BRUCE WATSON: Oh, okay.

14 ANNE-MARIE: I know it was even updated
15 (indiscernible) data. So that one's in progress.

16 CINDY JONES: The last one that you mentioned,
17 the 33 percent one, that goes out to sea, that was the
18 one that we sent you yesterday morning that got bumped
19 by this, I guess you're calling it Transpacific?

20 KATHY BROCK: And that was my question Number
21 4, was for that one.

22 ANNE-MARIE: Okay.

23 KATHY BROCK: So we need to call the NIT
24 and ask for the Transpacific run and the local run, and
25 hopefully, we'll get what we're looking for?

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1 ANNE-MARIE: Right. And the local, but that
2 one's not been posted, yet. That one's still, as of
3 the last time I checked, about 20 minutes ago, that one's
4 still in progress. I can go back and get a revised ETA
5 on that, or an update.

6 KATHY BROCK: Okay.

7 ANNE-MARIE: But, like I said, the
8 Transpacific is up. We're just, like I said, check in
9 with the NIT.

10 CINDY JONES: And then, regarding our
11 request on the outstanding item yet on the three reactors,
12 33 percent, and so forth, that you just mentioned, when
13 do you think we can expect that?

14 ANNE-MARIE: Let me check in. I don't think
15 we were shooting for 6:00 a.m. for that, I think it's
16 going to be a little bit later, but I'll get an updated
17 ETA.

18 CINDY JONES: And you've had it for about
19 24 hours, just so you're aware, I hope it didn't get
20 lost.

21 ANNE-MARIE: Oh, it's, no.

22 CINDY JONES: Okay.

23 ANNE-MARIE: I (indiscernible).

24 CINDY JONES: Okay, great.

25 ANNE-MARIE: No, it is in active progress.

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1 I mean, they're standing on me because I'm helping on
2 some of the reviews.

3 CINDY JONES: Okay, great. Thanks.

4 BRUCE WATSON: I don't know about --

5 CINDY JONES: She doesn't sound
6 (indiscernible).

7 ANNE-MARIE: Okay, thanks.

8 KATHY BROCK: So I think that answers the
9 four questions that NRC had. So, what was your name
10 again? That we're -- hello?

11 BRUCE WATSON: Hello?

12 ANNE-MARIE: Yes, are you asking for NARAC,
13 or for --

14 KATHY BROCK: I'm asking for your name, I'm
15 sorry.

16 BRUCE WATSON: No, your name.

17 ANNE-MARIE: Oh, I'm Anne-Marie
18 (indiscernible).

19 KATHY BROCK: Thank you.

20 ANNE-MARIE: Sure thing.

21 KAREN: (Indiscernible), do you have
22 anything?

23 BRUCE WATSON: Negative.

24 KAREN: The (indiscernible, possibly "Ross")
25 doesn't have anything either, so we'll try this again

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1 in four hours, it'll be 1200 Eastern time. Okay, I'll
2 take that as an affirmative. Thanks.
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1 (CONFERENCE CALL INITIATED)

2 0%F1A#A_15365094

3 BRUCE WATSON: Anne-Marie, did you say 12
4 o'clock Eastern time?

5 ANNE-MARIE: With (indiscernible, possibly
6 "Valerie"), yes, 12 o'clock Eastern Time, 0900 Pacific.

7 BRUCE WATSON: Okay. Did you want to talk
8 about that document, or are --

9 (Pause.)

10 BRUCE WATSON: Anne-Marie, did you want to
11 talk about that document, yet, or did you want to --

12 ANNE-MARIE: Actually, I was just finishing
13 up the review on that, I'm getting a download from NARAC
14 right now, to get back to the NRC questions, and I'll
15 be right back on in about three minutes.

16 BRUCE WATSON: Take your time with it, and
17 give me a call --

18 ANNE-MARIE: Oh, no, we got people leaning
19 on us very hard for it, so I appreciate your timely
20 turnaround.

21 BRUCE WATSON: Not at all, give me a call
22 on my cell, when you want to talk about it.

23 ANNE-MARIE: Oh, will do. Thanks, a lot.
24
25

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MALE PARTICIPANT: You have reached the
United States Department of Energy Operations Center.
Your call is being transferred to a DOE Watch Officer.

CRAIG: Hello, Craig, may I help you?

KATHY BROCK: Hi, this is Kathy Brock,
calling from the NRC, can we please be patched to the
NIT?

CRAIG: Sure, Kathy, what's your last name?

KATHY BROCK: Brock, B-R-O-C-K.

CRAIG: Okay. Hold on, please.

KATHY BROCK: Thank you.

MALE PARTICIPANT: Hi, Ms. Brock, you're
on with NIT Operation, go ahead, please.

KATHY BROCK: Hi, there. This is Kathy Brock
from the NRC Operations Center. Whom am I speaking with?

BILL SHULMAN (phonetic): It's Bill Shulman
(phonetic).

KATHY BROCK: Hey, Bill. We were hoping
to get some information from you guys, about some of
our NARAC (indiscernible) and other info.

BILL SHULMAN: Kathy?

KATHY BROCK: Yes.

BILL SHULMAN: You faded out, but let me

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1 put you on with the right person, okay?

2 KATHY BROCK: Fantastic.

3 BILL SHULMAN: Hello?

4 KATHY BROCK: Hello, this is Kathy Brock,
5 from the NRC Operations Center, who's this?

6 DAVE YOUNG: Hi, Kathy. This is Dave Young,
7 how's it going?

8 KATHY BROCK: Oh, good. I haven't talked
9 to you in a few days.

10 DAVE YOUNG: I know, what's going on?

11 KATHY BROCK: Same old thing. But we have
12 some questions, for you, please.

13 DAVE YOUNG: Okay.

14 KATHY BROCK: First of all, we were hoping
15 to get an updated chart of the NARAC CMHT Calculated
16 Potential Doses. (b)(5)

17 (b)(5)

18
19 DAVE YOUNG: Okay, now, did you see the latest
20 SVTS?

21 KATHY BROCK: No. That's what we're looking
22 for.

23 DAVE YOUNG: They should have went out to,
24 I believe the PMT is on the list, so you should've --

25 KATHY BROCK: PMT12?

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1 DAVE YOUNG: It would be PMT02.hoc@nrc.gov.
2 CINDY JONES: 02.
3 KATHY BROCK: Okay.
4 DAVE YOUNG: And then, HOO HOC was on there.
5 KATHY BROCK: The HOO HOC, yes. Okay, do
6 you, we will ask them, they're --
7 CINDY JONES: Can you also do us a favor
8 and add or change the PMT02 to PMT12?
9 DAVE YOUNG: Let me find that email and I
10 will add that. PMT12?
11 CINDY JONES: Yes.
12 DAVE YOUNG: .HOC?
13 CINDY JONES: Yes.
14 DAVE YOUNG: @nrc.gov, done.
15 CINDY JONES: Thank you. If it's handy,
16 can you just forward it now?
17 KATHY BROCK: He just --
18 DAVE YOUNG: I can do that.
19 KATHY BROCK: Okay.
20 DAVE YOUNG: Not a problem. Okay?
21 CINDY JONES: All right, good. So there's
22 number one. Does that include all the background
23 information on how you got --
24 DAVE YOUNG: You know what, I just got on
25 shift, so I have not even read it yet, but, let's see,

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1 I would assume so.

2 CINDY JONES: If it doesn't, can we call
3 you back and get that information?

4 DAVE YOUNG: Yes, call us back, and I'm sure,
5 someone here will know a little bit more about it than
6 I do, definitely.

7 CINDY JONES: Okay.

8 KATHY BROCK: Thanks. So we'll look for
9 that at the top up there soon.

10 DAVE YOUNG: Okay.

11 CINDY JONES: Then we wanted to get some
12 updates on the NARAC runs that have been done.

13 DAVE YOUNG: Say it one more time.

14 CINDY JONES: We wanted to get updates on
15 the NARAC runs.

16 DAVE YOUNG: Right. Once we have that, our
17 scientists are looking at them, the stuff that they're
18 doing, I don't know when the last one was done so --

19 CINDY JONES: When we called this morning
20 they said they were already with you, but we had to request
21 them from you.

22 DAVE YOUNG: Okay, can you hold on, I'll
23 have our scientist, who's been tracking this stuff, more
24 than I have. Can you hold on real quick?

25 CINDY JONES: Thanks.

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1 RICK MAURER: Hello, this is Rick Maurer,
2 at the NIT.

3 KATHY BROCK: Hey --

4 CINDY JONES: Hi, Rick.

5 KATHY BROCK: Go ahead.

6 CINDY JONES: Hi, Rick, this is Cindy Jones,
7 Kathy Brock, at the NRC Operations Center. Hi, how are
8 you?

9 RICK MAURER: Doing fine.

10 CINDY JONES: Good. Hey, we're trying to
11 follow-up on a couple of requests that we had from yesterday,
12 that we're still waiting from data from you. One was,
13 I understand, bumped from a request that you had yesterday
14 for a run that involves, (b)(5)

15 KATHY BROCK: (b)(5)

16 CINDY JONES: (b)(5)

17 (b)(5)

18 (b)(5)

19 Do you know the ones

20 I'm talking about?

21 RICK MAURER: Yes. Okay, so you haven't
22 received the latest runs?

23 KATHY BROCK: No.

24 CINDY JONES: No, we haven't gotten anything
25 from you in 36 hours.

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1 RICK MAURER: Nothing in 36.

2 CINDY JONES: So we need the one that shows

3 (b)(5)

4 RICK MAURER: Okay.

5 CINDY JONES: We need the, I guess it's called
6 the Transpacific one, that --

7 RICK MAURER: Okay.

8 CINDY JONES:

(b)(5)

9 (b)(5)

10 RICK MAURER: Right. Okay.

11 CINDY JONES: We need the one that we
12 requested yesterday morning, about 6:00 a.m., which was
13 --

14 BRUCE WATSON: Combined source term.

15 CINDY JONES: -- combined source term.

16 RICK MAURER: The combined source, that's
17 the three --

18 CINDY JONES: Yes.

19 BRUCE WATSON: Yes, we set that one later
20 on, at separate files for each source term.

21 RICK MAURER: Okay. All right. All right,
22 let me work on these and get them out to you.

23 BRUCE WATSON: (Indiscernible) four.

24 CINDY JONES: There were three, total.

25 BRUCE WATSON: Okay.

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1 RICK MAURER:

(b)(5)

2 (b)(5)

3 KATHY BROCK: Yes.

4 RICK MAURER: For Units 1, 2, and 3.

5 CINDY JONES: Right, and I can only assume
6 that you use the Transpacific ones to come up with the

7 (b)(5)

8
9 RICK MAURER: Right, right.

10 CINDY JONES: And so we need that PowerPoint,
11 as well as the --

12 BRUCE WATSON: Right.

13 RICK MAURER: Okay.

14 CINDY JONES: -- the background run.

15 RICK MAURER: Okay, and what's the best way
16 to get them to you?

17 CINDY JONES: How about that PMT12 email
18 address, PMT12.hoc.@nrc.gov.

19 RICK MAURER: Okay, let me just repeat that,
20 it's PMT12.ho --

21 CINDY JONES: C, as in Charlie.

22 RICK MAURER: HOC, as in Charlie, @nrc.gov.

23 CINDY JONES: Right.

24 RICK MAURER: Okay, let me work on that.

25 CINDY JONES: Thanks. And your name again?

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1 RICK MAURER: My name is Rick Maurer,
2 M-A-U-R-E-R.

3 BRUCE WATSON: Maurer.

4 CINDY JONES: Yes, I got it. You're at the
5 202-287-2355?

6 RICK MAURER: Yes, or you can call, yes,
7 2355, that's it.

8 CINDY JONES: Yes, we got you through the
9 NIT, yes.

10 BRUCE WATSON: Yes, he's our scientist, the
11 scientist.

12 CINDY JONES: Yes.

13 RICK MAURER: I'll be on scientist shift
14 til 7:00 p.m. tonight.

15 CINDY JONES: Great. Thanks, very much,
16 Rick.

17 RICK MAURER: Okay, thank you.

18 CINDY JONES: Okay. Bye.
19
20
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BRUCE WATSON: Hi. Yes, probably factor
ten or more (indiscernible), okay.

KATHY BROCK: Yes, I can answer that
question.

MALE PARTICIPANT: Hello.

KATHY BROCK: Hey, there, is
(indiscernible)?

MALE PARTICIPANT: Sure, hold on.

MALE PARTICIPANT: Hi.

KATHY BROCK: Who's this? Kathy
(indiscernible).

MALE PARTICIPANT: Kathy, yes, Kathy.

KATHY BROCK: All right, I need to turn the
volume (indiscernible). Okay, so we're ready here. We
have Kathy Brock and Bruce Watson.

BRUCE WATSON: (Indiscernible) long range.

KATHY BROCK: This is being done --

BRUCE WATSON: It's NARAC. But who's doing,
there's someone doing (indiscernible)?

KATHY BROCK: We're waiting on the NIT Team.
They're reviewing with their management now.

BRUCE WATSON: Right.

KATHY BROCK: I just got an email nine minutes

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1 ago.

2 BRUCE WATSON: But someone else is running
3 this kind of data in the U.S. in the NRC?

4 KATHY BROCK: The NRC, from what I understand,
5 research has contract with Sandia, I think, to use a
6 map code.

7 BRUCE WATSON: Okay.

8 KATHY BROCK: And they're kind of going
9 parallel with us.

10 FEMALE PARTICIPANT: Hey, Kathy.

11 KATHY BROCK: What we're trying to
12 understand is, the press release that went out on March
13 15th has data for two separate calculations.

14 BRUCE WATSON: Okay.

15 FEMALE PARTICIPANT: One of the --

16 BRUCE WATSON: If --

17 FEMALE PARTICIPANT: -- (indiscernible)
18 single reactor sites.

19 BRUCE WATSON: Right.

20 FEMALE PARTICIPANT: And it looks like, it's
21 95 rem at ten miles.

22 KATHY BROCK: And --

23 BRUCE WATSON: Or nine-and-a-half, I thought.
24 Well, yes, it might be at ten, yes, go ahead.

25 FEMALE PARTICIPANT: All right, and then

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1 it's 8.1 rem at 50 miles. And then the other one says
2 (indiscernible) reactor site, it's only 14.

3 BRUCE WATSON: Yes, okay. Here's the basis
4 for the difference. The single reactor site was run
5 with very calm, low wind speed, because that was the
6 meteorological forecast at that time.

7 It also assumed that we had about a third
8 of the core melted with no containment and no secondary
9 containment. And we consider this, pretty much, the
10 worst case, for that reactor, at that time. Okay?

11 FEMALE PARTICIPANT: All right.

12 BRUCE WATSON: All right, then, the next
13 day, we had the two spent fuel pools, which were issues.
14 So we then took the updated unit to 30 percent model,
15 with the forecast meteorology, which was more robust,
16 and combined that with the fresh fuel in the Unit 3 pool,
17 and the Unit 4 pool.

18 We assumed half of the fuel in the Unit 3
19 pool was melted, and all of the fuel in Unit 4 was melted.
20 And with no containment, or just straight, right to
21 atmosphere, because that's what it is, with the roof
22 blown off.

23 And so that's the difference in the two,
24 in meteorology and the slight difference in source term
25 with time accounts for the difference in the estimates.

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1 And we were looking at worst case scenarios at that
2 specific times with both runs.

3 FEMALE PARTICIPANT: Questions? Anybody
4 have questions?

5 FEMALE PARTICIPANT: You're probably going
6 to get a lot of questions on --

7 BRUCE WATSON: We've already got a million
8 questions, from around the globe.

9 FEMALE PARTICIPANT: Oh. Okay.

10 FEMALE PARTICIPANT: Okay.

11 MALE PARTICIPANT: What did you do about
12 the iodine in the spent fuel pool, we assume there was
13 any?

14 BRUCE WATSON: We had fresh fuel, there was
15 plenty of iodine. One core had been one-third recently
16 offloaded. And the other one had a fuel core offload.
17 They were in the middle of a refueling outage, inspecting
18 the vessel. So it's probably the ultimate worst case
19 scenario for fresh fuel, for that particular reactor.

20 MALE PARTICIPANT: The reference to fresh
21 fuel in Unit 4, fuel had been out of reactor over 100
22 days.

23 BRUCE WATSON: Right.

24 MALE PARTICIPANT: Hundred days is not
25 (indiscernible) inventory.

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1 BRUCE WATSON: Well, that's what we called
2 it, because it was recently out of the core, and the
3 code accounts for that 100-day decay in the fuel, that
4 we have. (b)(5)

5 MALE PARTICIPANT: (Indiscernible) half
6 life after 100 days.

7 BRUCE WATSON: Yes, if you start with a
8 megacurie, you still have iodine left.

9 MALE PARTICIPANT: There's more iodine than
10 just Iodine-131. The Iodine-131 is (indiscernible) we
11 have five iodine isotopes (indiscernible) that were
12 varying half lives, the model takes care of decay.

13 BRUCE WATSON: Yes.

14 MALE PARTICIPANT: End of story.

15 BRUCE WATSON: Say again. You start with
16 megacuries of iodine, you still have curries of iodine
17 left.

18 MALE PARTICIPANT: Yes.

19 FEMALE PARTICIPANT: So based on what we
20 know about the plant conditions today, are these
21 calculations still realistic?

22 BRUCE WATSON: We are trying to confirm that.

23 (b)(5)

24
25 MALE PARTICIPANT: Source term from your

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1 react --

2 FEMALE PARTICIPANT: (b)(5)

3 (b)(5)

4 BRUCE WATSON: (b)(5)

5 (b)(5)

6 FEMALE PARTICIPANT: Not the one I'm looking
7 at. It didn't make it into the version that's on the
8 website, anyway. It says, that these are --

9 BRUCE WATSON: There's a --

10 FEMALE PARTICIPANT: -- (indiscernible) for
11 a hypothetical four reactor site, model resulted
12 projections only and may not be represented as an actual
13 release. It's presenting you this modeled forecast
14 meteorological conditions and the subject is --

15 BRUCE WATSON: (b)(5)

16 (b)(5)

17 FEMALE PARTICIPANT: (b)(5)

18 (b)(5)

19 BRUCE WATSON: (b)(5)

20 (b)(5)

21 FEMALE PARTICIPANT: All right. Well, it's
22 not.

23 BRUCE WATSON: Okay.

24 FEMALE PARTICIPANT: (b)(5)

25 (b)(5)

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1 questions, so (indiscernible) wouldn't want to add to
2 your grief.

3 BRUCE WATSON: Yes.

4 FEMALE PARTICIPANT: (b)(5)

5 (b)(5)
6
7

8 BRUCE WATSON: We understand that, and we
9 debated that yesterday, very heavily, around here.

10 FEMALE PARTICIPANT: Okay.

11 BRUCE WATSON: Okay?

12 KATHY BROCK: In a short amount of time.

13 BRUCE WATSON: Yes.

14 FEMALE PARTICIPANT: (b)(5)

15 (b)(5)
16

17 KATHY BROCK: Okay, did you just ask about
18 the California and the West Coast numbers? Those are
19 being developed by DOE, and I'm expecting an update soon.
20 We just got an email, just kind of after --

21 FEMALE PARTICIPANT: (Indiscernible) but
22 we're giving them --

23 KATHY BROCK: They're doing some of their
24 own stuff there, too. They're not just working for us.
25 So we can share when that comes through.

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1 FEMALE PARTICIPANT: So our direction from
2 the Ops Center, and from the Chairman, not to do any
3 (indiscernible)?

4 KATHY BROCK: That's what Charlie Miller
5 came in and told us at the PMT, this morning, probably
6 around 8 o'clock. So if you want to confirm that --

7 FEMALE PARTICIPANT: So Charlie Miller and
8 his direction was coming from the Chairman?

9 KATHY BROCK: Yes.

10 FEMALE PARTICIPANT: (Indiscernible) stand
11 down, but recognize, if we stand down, to get this started
12 again, it's going to take some time. We also have, or
13 Sandia, has their own NARAC and can -- I guess, we would
14 recommend that we go ahead and do some confirmatory
15 calculations, that we would use to confirm what, you
16 know, you guys are getting out of RASCAL, just as a,
17 you know, a double check.

18 We do this all the time, when the licensees
19 come in and have, you know, data, we write confirmatory
20 calculations. So I'm a little confused on why we would
21 not want to confirm --

22 KATHY BROCK: Well, how about I pass that
23 on, when they come out of the meeting in the ET, which
24 I think should be soon, they've been in there a long
25 time.

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1 FEMALE PARTICIPANT: Katherine, do you
2 realize that, I guess, Jennifer was with the Chairman,
3 and the question came up, and that's --

4 KATHY BROCK: Yes, we were talking to her
5 on the phone, at that time. Yes.

6 FEMALE PARTICIPANT: Our direction came from
7 the Chairman through Jennifer, too, so I just want to
8 make sure, if I turn this off, that we are in fact being
9 told, by the Chairman to turn it off, that he's not expecting
10 (indiscernible) from us, that we're not working on.

11 KATHY BROCK: Have you talked to Jennifer,
12 lately?

13 FEMALE PARTICIPANT: Last night
14 (indiscernible).

15 FEMALE PARTICIPANT: No, no, Jennifer's in
16 a meeting. I've sent her some emails. I forwarded it
17 on your --

18 KATHY BROCK: You forwarded my, okay.

19 FEMALE PARTICIPANT: I told her I was going
20 to confirm it, but I haven't heard back from her.

21 KATHY BROCK: Okay, we can both double check
22 on our ends, but all I know is, Charlie sat here and
23 said the Chairman said stand down.

24 FEMALE PARTICIPANT: Again, I think, you
25 know, we'll do whatever the Chairman wants us to do,

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1 but our recommendation is that we go ahead and run through
2 some confirmatory calculations.

3 KATHY BROCK: I hear you.

4 FEMALE PARTICIPANT: to provide only to the
5 Ops Center, so that we can continue to have these
6 conversations and make sure that we bring, you know,
7 all the experts that the Agency has, and put out the
8 best information.

9 KATHY BROCK: Okay. I'll convey that, and
10 then we can connect again.

11 FEMALE PARTICIPANT: All right.

12 KATHY BROCK: All right.

13 FEMALE PARTICIPANT: Thank you.

14 KATHY BROCK: Thank you.

15 BRUCE WATSON: Thanks.

16 FEMALE PARTICIPANT: Bye.

17 BRUCE WATSON: Bye.

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1 (CONFERENCE CALL INITIATED)

2 0%F6!7D615365094

3 JASON: (Indiscernible) morning
4 (indiscernible, possibly "Jason").

5 KATHY BROCK: This is Kathy.

6 JASON: Hey.

7 KATHY BROCK: How you doing?

8 JASON: What's up?

9 KATHY BROCK: What we were talking about
10 around here, is that (indiscernible) are good, until
11 about Saturday Night, when the wind starts to shift.

12 JASON: Okay.

13 BRUCE WATSON: Is this Jason?

14 JASON: It is. It is Jason.

15 BRUCE WATSON: All right, this is Bruce
16 Watson. Let me give you a little bit more detail.

17 JASON: Great. Thank you.

18 BRUCE WATSON: Right now the winds are
19 blowing offshore.

20 JASON: Okay.

21 BRUCE WATSON: And we expect them to continue,
22 probably, til Friday, Saturday evening, that way. We
23 don't know exactly when we'll have this little shift,
24 we'll the shift, the big shift. However, and that --

25 JASON: And that (indiscernible).

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1 BRUCE WATSON: (Indiscernible). Still
2 there?

3 JASON: Yes. That's Saturday evening,
4 Japan time?

5 BRUCE WATSON: Yes.

6 KATHY BROCK: Yes.

7 JASON: Okay.

8 BRUCE WATSON: We're expecting a big wind
9 shift, similar to what we had, that goes, turns around
10 and comes back inland to the West, okay?

11 JASON: Yes.

12 BRUCE WATSON: Kind of like what happened
13 the other day when the other front went through.

14 JASON: Got you.

15 BRUCE WATSON: On Saturday morning, we are
16 expecting a mini pressure, change in pressure, or a high
17 pressure system to go through right at, near the site,
18 and it only effects about ten miles inland from the site.

19 And that will cause a little, I guess, I'll call it
20 a circular pattern around the site where the potential
21 breezes might turn back on the site and come back out
22 to sea.

23 JASON: Yes.

24 BRUCE WATSON: But that's really local,
25 okay?

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1 JASON: Yes, well (indiscernible).

2 BRUCE WATSON: So I want you to know that.

3 JASON: Thank you.

4 BRUCE WATSON: That's what our meteorologist
5 is telling us. So it shouldn't effect anybody that's,
6 you know, what are you guys, 100 miles away?

7 JASON: Yes, the Search and Rescue Center
8 (indiscernible).

9 BRUCE WATSON: Yes, so you're well out of
10 the area.

11 JASON: Okay, good.

12 BRUCE WATSON: I just wanted to make you
13 aware, there are some mini, mini meteorological changes
14 that we're anticipating, but they're going to be small,
15 and very local to the site. And so the big one is going
16 to happen Saturday evening, Japan time. So you're good
17 for quite a while here, and what's today, Thursday, or
18 your Friday, right now, I guess?

19 JASON: Well, I'm not in Japan, I'm here
20 in New York, so (indiscernible).

21 BRUCE WATSON: Okay. Well, they're good
22 til Saturday evening, Japan time.

23 JASON: (Indiscernible).

24 BRUCE WATSON: You might want to leave a
25 little earlier than that, but that's, pay attention to

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1 the local reports there.

2 JASON: Okay. If it changes, I'm sure
3 they'll (indiscernible).

4 BRUCE WATSON: Yes. So they're good for
5 at least another day or so where they are.

6 JASON: Thank you, sir. I appreciate it,
7 and I'll let these guys (indiscernible) know.

8 BRUCE WATSON: All right.

9 KATHY BROCK: Okay, don't hang up yet.

10 BRUCE WATSON: Don't hang up yet.

11 KATHY BROCK: You have a question on
12 dosimetry (indiscernible).

13 JASON: Do I have a question about dosimetry?

14 BRUCE WATSON: Yes, we just got an email
15 asking to participate with USAD on a call at 12:30 p.m.,
16 and they want to talk about dosimetry, and a couple other
17 things, and we thought maybe you had the same questions.

18 JASON: No, I don't have them yet. I just
19 got that invite, as well.

20 BRUCE WATSON: Okay.

21 JASON: And I think it's actually, let me
22 look at it real quick. It's a White House call, right?

23 Yes, it's (b)(6) from the White House.

24 BRUCE WATSON: Okay.

25 JASON: Yes, USAD's going to coordinate it,

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1 but it is a White House call. But let me look at it
2 here, in a few minutes, if we have any questions on it.

3 BRUCE WATSON: Okay.

4 JASON: All right?

5 BRUCE WATSON: Thanks.

6 JASON: Thank you, bye.

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MALE PARTICIPANT: FDA, WEAC.

FEMALE PARTICIPANT: NRC here.

MALE PARTICIPANT: FDA, Emergency
Operations.

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MALE PARTICIPANT: Is anybody on the line?

MALE PARTICIPANT: Yes, we're just walking
in.

MALE PARTICIPANT: (Indiscernible).

MALE PARTICIPANT: FEMA, (indiscernible).

BOB HAYHURST: Plans, Bob Hayhurst.

MALE PARTICIPANT: HHS, Secretary of
Operation Center is also on this call.

MALE PARTICIPANT: ODNI.

MALE PARTICIPANT: DNDO.

CRAIG POSTLEWAITE: This is Craig
Postlewaite, and Dr. Mark Gentleman, from DoD, Health
Affairs.

DON DAIGLER: Don Daigler, FEMA Planning.

ANN CUMMINGS: HHS Operations,
International Branch.

RICH BOYSBECK: Rich Boysbeck, DNDO.

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(b)(6) Okay.

MANNY: Hey, Julie?

(b)(6) Yes.

MANNY: (b)(6) this is Manny, in Homeland

(indiscernible) Policy, just a couple of (indiscernible)
that I'm aware of.

(b)(6) Okay.

MANNY: I understand that the U.S. Army
Public Health Command has sent some of their space flex
air monitoring systems to Camp Zama. Not sure what the
status is, whether those are already operational, or
not, but I would think, that they're similar in nature
to the ones that are in Yokata and Misawa, we'll just
have to get verification from Public Health Command on
that.

Understand that the 94th CFT out at Guam,
is actually doing some detector-type, or radiological
surveying and screening of cargo, doesn't really address
the air monitoring piece, but it is kind of interesting
that they're involved in some of the screening of cargo
that's coming in from Japan, just to check that out.

(b)(6) Very good. Hey, Manny, when
you guys run down this Camp Zama statements, if you could

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1 also link that in to Department of Energy.

2 MANNY: Will do.

3 (b)(6) And find out when it's standing
4 up and starting to take measurements.

5 MANNY: Okay. I'll have to check with the
6 Army, or we'll check with Public Health Command, to see
7 when that happens.

8 (b)(6) Thanks. I appreciate that.
9 Anything else from DoD?

10 RICH: Yes, this is Rich (indiscernible)
11 calling from the Joint Staff.

12 (b)(6) Yes.

13 RICH: Couple things. We had a discussion
14 earlier, if we have a wind shift this coming weekend,
15 that's going to change the requirements greatly, or could,
16 particularly when it comes from air samplers, you know,
17 what we have there now, what the Government in Japan
18 would be running, or a need for more of them.

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(b)(6)

(b)(5)

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RICH:

(b)(5)

(b)(6)

So I guess, the --

RICH: --

(b)(5)

(b)(6)

(b)(5)

(b)(5)

RICH:

(b)(5)

(b)(5)

(b)(6)

(b)(5)

(b)(5)

RICH: To my knowledge, no.

(b)(6)

Okay.

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1 RICH: (b)(5)

2 (b)(5)

3 (b)(6)

Okay.

4 RICH: And the rest of those will have to
5 be sourced in from some other places.

6 (b)(6)

(b)(5)

7 (b)(5)

8
9 RICH:

(b)(5)

10 (b)(6)

(b)(5)

11 (b)(5)

12 RICH:

(b)(5)

13 (b)(5)

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16
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18 (b)(6)

(b)(5)

19 (b)(5)

20 RICH: No. No. It's at (indiscernible)
21 right now.

22 (b)(6)

Okay. Great.

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DAVE SOLOMON: (Indiscernible).

(b)(6)

Hey, David, make sure you come
close to the phone, because we don't hear anything.

DAVE SOLOMON: Right.

(b)(5)

(b)(5)

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MALE PARTICIPANT: We're missing some of
that message, could we have that person speak louder,
please?

(b)(6)

Joint Staff, could you get
closer to the phone?

DAVE SOLOMON: Yes,

(b)(5)

(b)(5)

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3 JOHN NAASTROM: Hi, this is John Naastrom,
4 again, are you there?

5 MALE PARTICIPANT: Yes, we're here.

6 JOHN NAASTROM: Okay. Fine. I'm going to
7 put you on speaker. Can you hear us okay?

8 MALE PARTICIPANT: Yes.

9 FEMALE PARTICIPANT: Yes.

10 JOHN NAASTROM: Okay. Okay. So I'm the
11 NARACResponseManager right now. My name is John Naastrom.
12 And I'll let the other two folks, here at NARAC, introduce
13 themselves.

14 STEVE HOMANN: This is Steve Homann, with
15 Health Physics, NARAC.

16 MAUREEN ALAI: It's Maureen Alai, one of
17 the Operations Scientists.

18 JOHN NAASTROM: Okay, so Maureen and Steve
19 have been keeping track of the source terms we've been
20 using, that you guys have sent up before. And so go
21 ahead, and introduce yourselves, again.

22 BRUCE WATSON: Okay. Bruce Watson, I'm the
23 Dose Assessment Director.

24 CINDY JONES: And Cindy Jones, Protective
25 Measures Director in OPs.

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1 JOHN NAASTROM: That was Cindy Jones, is
2 that right?

3 CINDY JONES: Yes.

4 JOHN NAASTROM: Okay. Glad to talk to you.
5 Okay, so I'll give you what we heard, and, please, tell
6 us what you heard. (b)(5)

7 (b)(5)

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11 CINDY JONES: Right.

12 JOHN NAASTROM: (b)(5)

13 (b)(5)

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17 CINDY JONES: Can you repeat that again?

18 I'm sorry.

19 JOHN NAASTROM: (b)(5)

20 (b)(5)

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(b)(5)

BRUCE WATSON: (b)(5)

JOHN NAASTROM: Good question. That's why
Maureen's here, if she has all that information.

MAUREEN ALAI: No, I (indiscernible).

JOHN NAASTROM: Oh, okay. She actually
didn't put that part out. We'll get that in a second.

(b)(5)

BRUCE WATSON: (b)(5)

(b)(5)

CINDY JONES: (b)(5)

BRUCE WATSON: (b)(5)

(b)(5)

CINDY JONES: (b)(5)

(b)(5)

BRUCE WATSON: (b)(5)

(b)(5)

JOHN NAASTROM: Okay.

BRUCE WATSON: (b)(5)

(b)(5)

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1 JOHN NAASTROM: I understand that.

2 BRUCE WATSON: Okay.

3 JOHN NAASTROM: (b)(5)

4 (b)(5)

5 BRUCE WATSON: (b)(5)

6 MAUREEN ALAI: (b)(5)

7 (b)(5)

8 JOHN NAASTROM: (b)(5)

9 (b)(5)

10 BRUCE WATSON: (b)(5)

11 (b)(5)

16 JOHN NAASTROM: Okay. Very good.

17 BRUCE WATSON: Okay?

18 JOHN NAASTROM: So the question, I think,
19 is then, so is there anything else we haven't covered
20 as to what the potential --

21 BRUCE WATSON: (b)(5)

22 (b)(5)

25 CINDY JONES: Hold on. Are you in agreement

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1 with that?

2 JOHN NAASTROM: Yes.

3 BRUCE WATSON: Okay.

4 JOHN NAASTROM: That's fine, that's
5 consistent with what we have.

6 BRUCE WATSON: And then, (b)(5)

7 (b)(5)

8
9 JOHN NAASTROM: Okay, so that's, I think,
10 maybe the difference. I'm glad we're talking.

11 STEVE HOMANN: Yes.

12 CINDY JONES: Yes.

13 BRUCE WATSON: (b)(5)

14 (b)(5)

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19 JOHN NAASTROM: Yes, that's our
20 understanding, as well.

21 BRUCE WATSON: Okay. (b)(5)

22 (b)(5)

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1 CINDY JONES: (b)(5)

2 BRUCE WATSON: -- (b)(5)

3 (b)(5)

4 CINDY JONES: Correct?

5 BRUCE WATSON: Is that correct?

6 JOHN NAASTROM: Actually, let's go back to
7 that. That was an intermediate run that we did, so I
8 got to go back and check that. I do remember, we did
9 talk on the phone, did compare numbers, but I don't,
10 and we came up with very similar numbers. I do not remember
11 --

12 BRUCE WATSON: Okay, we specifically
13 remember that point, because it was when we --

14 JOHN NAASTROM: Yes, they were definitely
15 in agreement.

16 BRUCE WATSON: Okay.

17 CINDY JONES: Yes.

18 JOHN NAASTROM: I know exactly what scenario
19 we were --

20 CINDY JONES: He said it was just a
21 (indiscernible) calculation, at the time, it wasn't --

22 BRUCE WATSON: That's true.

23 JOHN NAASTROM: And I think, ours was sort
24 of, kind of, it was definitely a worse case scenario,
25 I'm not sure exactly which one it was now, in combination.

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1 BRUCE WATSON: Okay.

2 JOHN NAASTROM: So let's go back to, kind
3 of, what it is now.

4 CINDY JONES: (b)(5)

5 JOHN NAASTROM: Yes.

6 CINDY JONES: What do you have for that?

7 JOHN NAASTROM: (b)(5)

8 (b)(5)

13 BRUCE WATSON: Okay, (b)(5)

14 (b)(5)

15 JOHN NAASTROM: (b)(5)

16 CINDY JONES: (b)(5)

17 (b)(5)

18 JOHN NAASTROM: (b)(5)

19 CINDY JONES: Right.

20 JOHN NAASTROM: (b)(5)

21 (b)(5)

25 BRUCE WATSON: Very minor. We're talking

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(b)(5)

JOHN NAASTROM:

(b)(5)

(b)(5)

BRUCE WATSON: Yes.

JOHN NAASTROM:

(b)(5)

(b)(5)

BRUCE WATSON: Right.

JOHN NAASTROM: So that's something, I guess

--

MAUREEN ALAI: I don't think it would.

JOHN NAASTROM:

(b)(5)

(b)(5)

BRUCE WATSON:

(b)(5)

(b)(5)

JOHN NAASTROM:

(b)(5)

(b)(5)

BRUCE WATSON: Okay.

JOHN NAASTROM: We're saving all your source
terms.

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1 BRUCE WATSON: (b)(5)

2 (b)(5)

3 JOHN NAASTROM: (b)(5)

4 (b)(5)

5 BRUCE WATSON: (b)(5)

6 (b)(5)

7
8 JOHN NAASTROM: Okay.

9 CINDY JONES: (b)(5)

10 (b)(5)

11 BRUCE WATSON: Yes, (b)(5)

12 (b)(5)

13
14
15 JOHN NAASTROM: Assuming that's the one you
16 sent yesterday, right?

17 BRUCE WATSON: Yes.

18 JOHN NAASTROM: Not the individual ones,
19 but the (indiscernible)? BRUCE WATSON: Yes.

20 JOHN NAASTROM: Okay.

21 BRUCE WATSON: And then, (b)(5)

22 (b)(5)

23 JOHN NAASTROM: Okay. Perfect. Okay.

24 BRUCE WATSON: Okay.

25 JOHN NAASTROM: I think that's consistent

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1 with what we've got.

2 MAUREEN ALAI: Yes.

3 JOHN NAASTROM: It is?

4 MAUREEN ALAI: Yes.

5 JOHN NAASTROM: Okay.

6 BRUCE WATSON: Okay. So then, that brings
7 us to Unit --

8 CINDY JONES: (b)(5)

9 BRUCE WATSON: Yes, excuse me, excuse me,
10 yes, (b)(5)

11 (b)(5)
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BRUCE WATSON: (b)(5)

MALE PARTICIPANT: This is NIT. Hello?

CINDY JONES: Yes, hi, this is Cindy Jones,
from the Ops Center at NRC.

MALE PARTICIPANT: Yes.

BRUCE WATSON: And Bruce Watson. We were
trying to reach, is Rick Maurer around, he's the science
guy today.

MALE PARTICIPANT: He is, just a second.
Rick.

BRUCE WATSON: Okay.

MALE PARTICIPANT: NRC folks. No, go ahead.
Just a second.

BRUCE WATSON: Okay.

RICK MAURER: Yes, this is Rick Maurer, at
the NIT.

CINDY JONES: Hey, Rick, this is Cindy Jones,
and Bruce, from the NRC Ops Center.

RICK MAURER: Hey, Cindy.

CINDY JONES: Hey, how you doing?

RICK MAURER: Doing fine. Did you guys get
that information we sent over?

CINDY JONES: We will look in a second.

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1 We got two plots of AMS data.

2 RICK MAURER: Yes, AMS, and the SVTS reps,
3 the daily SVTS reps, should be there, as well.

4 CINDY JONES: We are not getting that. Well,
5 we got the daily one, but that didn't answer the question,
6 that we had before.

7 RICK MAURER: Okay.

8 CINDY JONES: But let's put those on hold
9 for a second. What we're trying to fix now, at least,
10 come to agreement is, I think, you, NARAC, and DOE, and
11 we, have to come to an agreement on a source term, have
12 you heard that message today?

13 RICK MAURER: Yes. There's a conference
14 call at 2 o'clock. You should have received an invite
15 for that on the --

16 BRUCE WATSON: Yes, we did, we were hoping
17 we could resolve it before that, because we have an
18 international call, too.

19 RICK MAURER: Oh, you do? Okay.

20 BRUCE WATSON: Yes.

21 RICK MAURER: I know John Naastrom, at NARAC,
22 was going to call you to talk about the source term ahead
23 of time.

24 CINDY JONES: Yes, no one's called here.
25 Is it possible we could get in touch with him now?

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1 RICKMAURER: Yes, let me give you his number.
2 Basically, there's questions coming from staff members
3 at the White House on the source term.

4 CINDY JONES: Exactly.

5 BRUCE WATSON: You heard the message.

6 RICK MAURER: Okay.

7 CINDY JONES: (b)(5)

8 (b)(5)
9
10

11 RICK MAURER: That sounds good. John's
12 number is 925-422-9100.

13 CINDY JONES: Okay, his last name? I'm
14 sorry.

15 BRUCE WATSON: Naastrom.

16 RICK MAURER: Naastrom, N-A-S-T-R-O-M.

17 BRUCE WATSON: All right, we're going to
18 call him, and if we can come to agreement with him on
19 the source term, we'll have him call you, and let you
20 know what we agreed to. Is that okay?

21 RICK MAURER: Okay, (indiscernible).

22 BRUCE WATSON: I mean, you don't have any
23 preference, do you?

24 RICK MAURER: I don't, because I'm not that
25 familiar with it, but John said he wanted to work with

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1 you guys on it, with his staff.

2 BRUCE WATSON: Okay.

3 RICK MAURER: Are you going to be able to
4 sit in on the 2 o'clock?

5 CINDY JONES: We'll have someone sit in and
6 listen, yes.

7 RICK MAURER: Okay. All right.

8 BRUCE WATSON: But, we're going to try and
9 get this resolved here, before that, because we have
10 another call.

11 RICK MAURER: Okay.

12 BRUCE WATSON: Okay?

13 RICK MAURER: Sounds good.

14 BRUCE WATSON: All right.

15 RICK MAURER: Okay, thank you.

16 CINDY JONES: Thank you.

17 (Pause.)

18 JOHN NAASTROM: NARAC, John Naastrom.

19 BRUCE WATSON: John, this is Bruce Watson
20 and Cindy Jones, at the NRC Operations Center.

21 JOHN NAASTROM: Hey, Bruce. Hi, Cindy.

22 BRUCE WATSON: We know there's a 2 o'clock
23 call, but we have another call, and (b)(5)

24 (b)(5)

25 (b)(5)

(b)(5)

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(b)(5)

JOHN NAASTROM: Yes, okay. Yes, I think,
is this in, we were on a conference call earlier about
that, (b)(5)

(b)(5)

BRUCE WATSON: Okay.

JOHN NAASTROM:

(b)(5)

(b)(5)

CINDY JONES:

(b)(5)

(b)(5)

JOHN NAASTROM: Oh, that's fine.

BRUCE WATSON: Okay.

JOHN NAASTROM: And we've spent a lot of
time doing that, and I'm glad you called, because I was
about to call you about the same thing.

CINDY JONES: Okay, great.

BRUCE WATSON: That's what we heard.

JOHN NAASTROM: Okay. So --

CINDY JONES: So let us tell you what we
used --

JOHN NAASTROM: Okay, perfect. Let's, I
need to get one or two other people on the line, that
have the detailed information on what we're assuming,

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1 based on our previous discussions with your folks.

2 CINDY JONES: Okay.

3 JOHN NAASTROM: So if you can standby, I'll
4 get them in a room, and we'll get on the phone.

5 CINDY JONES: Thank you.

6 JOHN NAASTROM: Thank you. I'm glad you
7 called. Hang on.

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(CONFERENCE CALL INITIATED)

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BRUCE WATSON: We're turning it up, I think,
because we couldn't hear the other people talking.

CINDY JONES: I know. Who do you call this,
general line, or this one?

BRUCE WATSON: Could've called Rick,
himself.

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(CONFERENCE CALL INITIATED)

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MALE PARTICIPANT: You have reached the
United States Department of Energy Operations Center.
Your call is being transferred to a DOE Watch Officer.

ANTHONY: Hello, Anthony speaking, can I
help you?

DONALD COOL: Hi, this is Donald Cool. I'm
the Director of the Protective Measures Team at NRC's
Operation Center. I believe I need to get patched over
to the NIT.

We're trying to sort out the action that
came out of a phone call earlier today, with the White
House, where we understood that Steve Aoki, and the DOE,
folks, you folks, were supposed to be setting up a call
with Governors' representatives, and crafting the message
based on the NARAC Transpacific calculations.

ANTHONY: Okay. What was your name, again,
sir?

DONALD COOL: Donald Cool, C-O-O-L, NRC
Operations Center, Protective Measures Team.

ANTHONY: Sure. Hold on one second, please.

(Pause.)

ANTHONY: Okay, you're connected with NIT
Operations, sir.

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1 DONALD COOL: Thank you. This is Donald
2 Cool. I'm the Director of the Protective Measures Team,
3 at NRC Operations Center. Who am I talking to?

4 DAVE YOUNG: Yes, this is Dave Young. Who
5 am I speaking with? I'm sorry.

6 DONALD COOL: Donald Cool, C-O-O-L. I'm
7 the current Director of the Protective Measures Team
8 at NRC's Operations Center.

9 DAVE YOUNG: Hi, Mr. Cool. How's it going?

10 DONALD COOL: Oh, just wonderful. I'm
11 trying to follow-up from a phone call, which happened
12 earlier today, with the White House, and DOE, and others.

13 I understand that Steve Aoki was on that
14 phone call. And I understand that there was a assignment
15 to DOE, to set up a call with representatives of the
16 Governors, to talk about the calculations that were being
17 done for transport of any contamination from the sites
18 at Fukushima Dai-ichi.

19 And that there was supposed to be the crafting
20 of the message. My understanding was that we would be
21 listening in on the call, but that DOE has the lead for
22 the discussions and the calculations and message for
23 citizens here in the United States.

24 DAVE YOUNG: Right.

25 DONALD COOL: But thus far, I haven't heard

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1 about any call, and I'm trying to figure out who the
2 right people are to get sorted out how this is going
3 to happen and what the message is going to look like.

4 DAVE YOUNG: Thank you, sir. So I have a
5 little bit of information for you, it's not much right
6 now. But we just found out about this, down here in
7 the Nuclear Incident Team.

8 So apparently, Public Affairs is setting
9 this up, the NSA Public Affairs is setting this up.
10 We don't have the details yet, they have been sending
11 official requests to our Deputy Administrator for Nuclear
12 Terrorism, blah, blah, blah.

13 So they haven't done that, yet. But,
14 apparently, there will be a 1900 conference call with
15 the Governors, to talk about some of those issues, that
16 you just mentioned.

17 DONALD COOL: Okay.

18 DAVE YOUNG: So we don't have the details,
19 yet. Once we have them, we can distribute that information,
20 but until then, it's still in the works, and we don't
21 have much more information.

22 DONALD COOL: Okay. Well, that's more than
23 I knew before, which is helpful. We would very much
24 appreciate being kept in the loop on the arrangements.
25 And also, in terms of the message, that you're planning

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1 to give them.

2 DAVE YOUNG: Agreed. Agreed. Like I said,
3 we just found about this, too, and I've been pulsing
4 the system for it. So we'll definitely, I agree with
5 you, and we'll definitely coordinate this message and
6 we will get you the information, once it is available.

7 DONALD COOL: Okay. Very good. And I just
8 want to, while I got you, I just want to reconfirm, perhaps,
9 the whole flow of information, just to make sure that
10 you and I are on the same --

11 DAVE YOUNG: That's all I have, sir.

12 DONALD COOL: -- sheet.

13 DAVE YOUNG: Yes, that's all I have.

14 DONALD COOL: Okay. You folks are going
15 to be talking the doses and consequences for folks here
16 in the United States, but we still have the lead associated
17 with information for the local calculations in Japan,
18 correct?

19 DAVE YOUNG: I don't know all the details
20 on what's going to happen on this conference call, sir.
21 Like I said, I just found out a little bit about it.
22 I didn't know this came out of the previous conference
23 call.

24 DONALD COOL: All right. Well, you
25 certainly can't be blamed for that. If you can keep

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1 us in the loop, you can get to us --

2 DAVE YOUNG: Definitely.

3 DONALD COOL: -- through our Operations
4 Center --

5 DAVE YOUNG: Yes, I have your email addresses
6 for the PMT.

7 DONALD COOL: Correct.

8 DAVE YOUNG: Yes. Cool. Thank you, sir.

9 DONALD COOL: Thank you, very much.

10 DAVE YOUNG: All right, talk to you later.

11 Bye.

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(CONFERENCE CALL INITIATED)

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MALE PARTICIPANT:

(b)(5)

(b)(5)

(b)(5)

MALE PARTICIPANT:

(b)(5)

MALE PARTICIPANT: All right, I agree, it does say that, but --

MALE PARTICIPANT: Yes, but it's not clear, I agree with you.

DONALD COOL: This is Donald Cool with the Nuclear Regulatory Commission's Protective Measures Team, joining the bridge. I think you asked for us to hop on. Good evening.

MALE PARTICIPANT: Good evening.

MALE PARTICIPANT: Great. Thanks, for calling in.

BILL BEAL: So we're just --

MALE PARTICIPANT: Oh, go ahead.

BILL BEAL: Well, yes, I guess, what started our discussion here was, I wanted to make sure -- this is Bill Beal, at DOE, NIT Ops.

(b)(5)

(b)(5)

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(b)(5)

(b)(5)

Han?

HANARLT: That's fair in my mind, some others might disagree, but that's the way I look at it.

MALE PARTICIPANT: All right.

MALE PARTICIPANT: So maybe get a simple way to do it, was if we could get the NRC to send us, what they're considering the last RASCAL source term. So if we could just get that one, as opposed to looking at the last six or seven that have come through.

MALE PARTICIPANT: Because we haven't figured out what they --

GARY MANSFIELD: Yes, we think that the last one is an email that we got from you guys, NRC Protective Measures Team, at about 3:16 p.m. Pacific time, today,

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1 with two documents. One is a (indiscernible) file called
2 PR Basis U2-U3-FFPU4 PROX, and then the other is a EF,
3 file PR Basis Combined U2 U3 U4.pdf. And so I guess,
4 one of our general questions, is that the latest and
5 greatest source term?

6 DONALD COOL: Short answer is, yes, that's
7 the latest one we have. We've been trying to look at
8 and reconstruct what the folks on the team, who were
9 doing that, about a day or so ago, had underneath it,
10 and some of their assumptions.

11 One of the key folks, that was a part of
12 that team, is going to be back in here in a couple of
13 hours. And we want to try and work back with him, to
14 make sure we understand, because we couldn't find all
15 the documentation pieces.

16 But the files that were sent to you, were,
17 as best as I know, right now, the files that underlie
18 the RASCAL runs, which we used, and which were attached
19 to our press release.

20 GARY MANSFIELD: Okay. And, again, this
21 is Gary, at NARAC. And I think, some of the previous
22 case summaries, had a little bit more details about the
23 assumptions.

24 For example, I would say, okay, (b)(5)

25 (b)(5)

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(b)(5)

FEMALE PARTICIPANT: That is true, that was not put in the description on that particular file. I was trying to make a simpler naming convention.

However, for this file, that file that you have in your hand (b)(5)

(b)(5)

GARY MANSFIELD: Okay.

(b)(5)

(b)(5)

FEMALE PARTICIPANT: That is correct.

DONALD COOL: That is correct.

(b)(5)

(b)(5)

GARY MANSFIELD: Oh, okay. And so on, I haven't had a chance to look at the associated spreadsheet, but previously, (b)(5)

(b)(5)

will I see that on the Excel Spreadsheet?

FEMALE PARTICIPANT: Yes, that is the column header.

GARY MANSFIELD: Great. Okay. So again,

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(b)(5)

Yes, I think, it would be very helpful for us, if that kind of information were included in any future case summaries, it's just, it sounds helpful for us.

And then, while I'm fussing here, over the last couple of days, (b)(5)

(b)(5)

DONALD COOL: Yes.

FEMALE PARTICIPANT: Yes.

GARY MANSFIELD: The reason I ask is, (b)(5)

(b)(5)

DONALD COOL: He's right, but I don't think

--

GARY MANSFIELD: And so what we really need

is, (b)(5)

(b)(5)

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(b)(5)

DONALD COOL:

(b)(5)

(b)(5)

FEMALE PARTICIPANT: There was discussion about it, but as far as I can say, right now, I do not know how much further that went.

GARY MANSFIELD:

(b)(5)

(b)(5)

FEMALE PARTICIPANT: Right.

GARY MANSFIELD: That's my gut feeling.

What do you think, Hans?

HANS ARLT:

(b)(5)

(b)(5)

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(b)(5)

BILL BEAL: Yes, I agree with that.

GARY MANSFIELD: So I guess, yes, I think
you're probably right. (b)(5)

(b)(5)

(b)(5)

MALE PARTICIPANT:

(b)(5)

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(indiscernible) (b)(5)

GARY MANSFIELD: I'm sorry, could you repeat the last sentence? It was breaking up a little bit.

MALE PARTICIPANT: Sure. (b)(5)

(b)(5)

GARY MANSFIELD: Okay, that's very interesting. I had not had a chance to look at that.

(b)(5)

MALE PARTICIPANT: I agree. (b)(5)

(b)(5)

DONALD COOL: Yes, our Dose Analysts, sitting on the other side of the table, are shaking their heads up and down. Again, one of the key individuals, that were helping put together those runs, will be in on our next shift, in a couple of hours, and we'll put a marker down to try and verify what they did or didn't put into it.

BILL BEAL: All right, thank you.

GARY MANSFIELD: Yes, great. Thank you.

DONALD COOL: Who should we have them get

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1 back to you on, those of us, who are sitting here --

2 MALE PARTICIPANT: On this bridge line.

3 DONALD COOL: -- on Home Team, when they
4 come in.

5 MALE PARTICIPANT: This bridge line, I think,
6 is a great place for it.

7 GARY MANSFIELD: We'll be here.

8 DONALD COOL: Okay. The bridge is staying
9 open?

10 GARY MANSFIELD: I thought so. Can someone
11 confirm that?

12 BILL BEAL: We'll be here, yes.

13 GARY MANSFIELD: NARAC will be here.

14 DONALD COOL: Okay.

15 FEMALE PARTICIPANT: The (indiscernible)
16 Home Team will be here too, this is bridge will be monitored
17 24-hours a day, and we will have our next Home Team
18 conference call scheduled at 2200.

19 GARY MANSFIELD: Is that Pacific time?

20 FEMALE PARTICIPANT: That is Pacific time,
21 yes.

22 DONALD COOL: Oh, 1:00 a.m. here.

23 BILL BEAL: Okay, so that's, this is Bill,
24 at NIT Ops, that's a good time to have the right people
25 onboard to be able to answer these questions, is that

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1 what I'm hearing?

2 DONALD COOL: Yes.

3 BILL BEAL: Okay.

4 FEMALE PARTICIPANT: Okay, so are we all
5 done here? Does anybody else have any other questions,
6 or want to add on anything?

7 BILL BEAL: This was Bill, again. I was
8 just handed a question, and I'm not sure, it says, ask
9 CM Home Team about spectral assessment, did you guys
10 get some spectra?

11 ALEXIS REED: I think, who is asking you
12 that?

13 BILL BEAL: I'm not sure, I don't remember
14 who handed me the note, it might have been Chris, Chris
15 Smith.

16 ALEXIS REED: Earlier today, Hogland
17 (phonetic) asked that --

18 BILL BEAL: Oh, it wasn't Chris Smith.

19 ALEXIS REED: Earlier today Hogland
20 (phonetic) asked us if we had any assessment of the spectral
21 data that's been received, so I started to prepare
22 something.

23 And while we were going through it, I decided,
24 it would probably be a good idea to forward this on to
25 triage. And so I called into the NIT, and Craftenburg

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1 (phonetic) said package it all up and email it off to
2 Tony.

3 BILL BEAL: Okay.

4 FEMALE PARTICIPANT: So (indiscernible) of
5 that, if that's what they're talking about.

6 BILL BEAL: Probably, that sounds right.
7 This probably came from Hogland.

8 ALEXIS REED: He said it wasn't like a real
9 high priority, so we haven't gotten to it, yet.

10 BILL BEAL: Okay.

11 GARY MANSFIELD: This is Gary, at NARAC.
12 I was talking to some of the triage guys an hour or so
13 ago, and they were looking at some spectrum, which may
14 have been off, they've been looking at low levels of
15 contamination that have been on some cargo, on a plane,
16 at some place, Chicago, or some place, and it's clearly
17 from Japan, a contamination.

18 And what they're seeing is, like some Sethiums,
19 Tellurium,, and their read on that is this is the kind
20 of radionuclide you expect from coolant, but not from
21 a core release. For whatever that's worth.

22 MALE PARTICIPANT: And I spoke to triage
23 a couple of hours ago, and they are chomping at the bit
24 to get some spectra to look at. And I also had that
25 academic conversation about coolant verses fuel.

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1 MALE PARTICIPANT: So if you have spectra
2 for them, I think they would love to have it. I mean,
3 they were asking me for some.

4 MALE PARTICIPANT: Yes, we certainly do.
5 And we have the Inspector from the Aerial Measuring System,
6 we also have some germanium spectra that were collected
7 by the field teams, doing just disposition measurements,
8 as well as looking some filters that they had processed.

9 MALE PARTICIPANT: I think they would love
10 to get that.

11 MALE PARTICIPANT: Yes. We're, like I said,
12 we're putting that together. Or, like Alexis said, we're
13 putting that together.

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(CONFERENCE CALL INITIATED)

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ALEXIS REED: Oh, okay. Is that everything that's going to be covered? Because I have a couple of things for the Home Team assessors. Hans, are you still on?

HANS ARLT: Yes, we're still here.

ALEXIS REED: Just one thing. When you guys get a chance, if you could go through the measurements and RAMS, and kind of give them a once over. There are a few measurements in there that I'm trying to figure out if they should have been accepted, or not.

(b)(5)

HANS ARLT: Okay.

ALEXIS REED: (b)(5)

(b)(5)

HANS ARLT: Yes.

ALEXIS REED: (b)(5)

(b)(5)

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1 HANSARLT: I have a suspicion, and of course,
2 and I didn't speak to the Home Team about it, but when
3 I brought that LAD Long up on Google Earth, that was,
4 it looked like the Embassy in Tokyo.

5 And I'm wondering if that wasn't, you know,
6 real, but it's just not from the reactor, you know, if
7 it's sitting on top of a brick building, or something.

8 But I don't really know that. But I did look at, I
9 saw that value, too, and wondered. You want me to go
10 through and kind of --

11 ALEXIS REED: Yes, like, specifically --

12 HANS ARLT: -- (indiscernible) spec them?

13 ALEXIS REED: Yes, because what we do is,
14 we pull a live feed from RAMS of the accepted measurements
15 and put them automatically every shift on a plot.

16 And so I just want to be sure that we're
17 pulling the right numbers, because otherwise, it's going
18 to land on a plot somewhere and might look questionable.

19 HANSARLT: I wonder if it's worth, if there's
20 a couple of those that we just can flag and call the
21 field team, or email them, I'm not sure what the best
22 way to communicate with them is, and say, you know, these
23 are the five points we need answers on.

24 ALEXIS REED: Do you guys have the contact
25 list for the field team?

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1 HANS ARLT: I do. I do. I'm more than happy
2 to do that. I just don't want to repeat something, if
3 it's already been done, but I can certainly do that.

4 ALEXIS REED: Okay. Because I don't know
5 what you guys have, but do you know who's on day and
6 who's on night?

7 HANS ARLT: No, I think we just have a I
8 can look through the email and see, but I think what
9 we just have is a deployed, you know, arms roster.

10 ALEXIS REED: Okay, so the best thing, if
11 you, I mean, I'm fully fine with you guys calling them.

12 It would be good if you could ask them, because otherwise,
13 we're going to have to do it. Carson, Riland (phonetic),
14 and Don Vanetten (phonetic), actually --

15 MALE PARTICIPANT: And Rick Storm.

16 ALEXIS REED: Is Don on day?

17 FEMALE PARTICIPANT: Yes.

18 MALE PARTICIPANT: Yes.

19 ALEXIS REED: Okay, yes. So Carson, and
20 Don, are both on, what's the, Yokota day shift, which
21 is 7:00 a.m. to 4:00 p.m. Yokota time.

22 HANS ARLT: Okay.

23 ALEXIS REED: So that's 3:00 p.m. to Midnight
24 Pacific.

25 HANS ARLT: Okay.

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1 ALEXIS REED: You know, just trying to
2 prevent waking people up, because they're getting limited
3 sleep anyway. So we're trying to call people when we
4 know they're working.

5 HANS ARLT: Sure.

6 ALEXIS REED: The night shift, I'd say, the
7 best contact is Raja (phonetic). And that is 2:00 p.m.
8 to Midnight, Yokota time, which 10:00 p.m. to 8:00 a.m.,
9 Pacific.

10 HANS ARLT: 8:00 p.m. to Midnight, okay,
11 got it. So I'll take care of that, and I'll go through
12 and kind of sort and weed which ones look strange. I'm
13 guessing it's going to be the same ones that look strange
14 to you, and I'll ask them about them.

15 ALEXIS REED: Okay, also, if anything comes
16 up, NARAC has been real interested in trying to get,
17 or several people have, in getting some time phase data.

18 And so that's spurred me to make sure that
19 our assumption of what time the field teams were entering
20 data was correct, and it was not correct. So all of
21 the data, right now, from the field teams, is going to
22 be coming in, in Pacific time.

23 HANS ARLT: Okay, because everything we
24 entered, initially, by hand, was the UTC.

25 ALEXIS REED: Us too, yes. So at some point,

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1 we're going to have to address maybe going in and
2 converting all those points, but we just haven't done
3 it yet.

4 HANS ARLT: You're talking about converting
5 the points that are in UTC?

6 ALEXIS REED: Well, we'll have to make that
7 decision. We'll either have to, I mean, I would kind
8 of prefer everything to just be in UTC, but that would
9 mean, we would have to call the field teams, we would
10 have them change the computer time on all their tablets
11 and then we'll have to go in to the points they've already
12 submitted and convert them, which is going to be a pain.

13 HANS ARLT: Right.

14 ALEXIS REED: But I just wanted you guys
15 to kind of understand what's going on with the times,
16 in case you get asked some of the same things we've been
17 asked, which is, you know, people want to see some time
18 phase data.

19 HANS ARLT: So if they, I'm trying to think
20 back to the, do the data, and it looks like there was
21 stuff being collected at 3:00 a.m. in the morning, 4:00
22 a.m. in the morning then. Oh, that would have been Pacific
23 time.

24 ALEXIS REED: Yes. So that's the --

25 HANS ARLT: Okay. All right, got it.

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1 ALEXIS REED: -- (indiscernible) data you're
2 going to see is going to be, probably, from, hold on
3 a minute, 3:00 p.m. to 8:00 a.m. Pacific, because they're
4 completely down at night.

5 And I'm expecting, they're completely down
6 from Midnight to 7:00 a.m., their time. Sorry, this
7 is getting confusing. So there's like a gap there.

8 And I'm expecting that the night shift, you
9 know, when it's dark and what not, they're probably not
10 collecting near as much data, so the bulk of it's going
11 to be, well, I guess, 3:00 p.m. to Midnight, our time,
12 so I thought.

13 HANS ARLT: 3:00 p.m. to Midnight, Pacific,
14 daylight time, that's going to be the most -- now, is
15 that time Pacific daylight, Pacific standard?

16 ALEXIS REED: I'm assuming it's daylight.

17 HANS ARLT: Okay.

18 ALEXIS REED: But I can check on that.

19 HANS ARLT: Okay. As far as, you know, we
20 haven't seen, it looks like the data's getting assessed
21 and accepted, pretty much, as fast as it comes in. Every
22 time we check, it's all accepted, so I mean, if there's
23 stuff like that you guys want us to do out here, we're
24 happy to do it. I don't know how many assessment scientists
25 you have out there.

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1 ALEXIS REED: Yes, we have two to three,
2 depending on the shift, but we're just swamped with
3 requests from the NIT, for maps and data, just --

4 MALE PARTICIPANT: Worries of this and that
5 and, you know how it is.

6 HANS ARLT: Right. Well, I do, if you want,
7 I mean, we're here to share that load. So don't hesitate
8 to dump some of that stuff our way, and we'll be happy
9 to do it. Because, otherwise, we're just looking through
10 entertaining ourselves a bit, you know what I mean?

11 ALEXIS REED: Sure.

12 HANS ARLT: We're happy to do anything you
13 need.

14 ALEXIS REED: Okay. Thanks. I think that's
15 everything I had.

16 HANS ARLT: Okay. The other question, I
17 guess, is still on that military request is, does Steve
18 want to get on a separate line, or do we want to discuss
19 that on this line, or did that really drop off the priority
20 list, the idea of a color-coded map to support military
21 missions around the country. Or do you already know
22 what they're asking for, and you got it covered?

23 STEVE: Well, Hans, I'd like to you offline
24 about it. I'm going to talk it over with Alexis about
25 Paul's request. It seems more or less something on the

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1 order of the worker production perfection of dose rate
2 plot. So I'm going to talk to you about that offline,
3 all right?

4 HANS ARLT: Okay. If you want, I know Gary
5 wants to be part of that discussion. I've got a conference
6 call number, you want to just set up a time and say in
7 an hour or so and get on the line with Gary and I on
8 this conference number, or are you going to be gone?

9 STEVE: No, that's fine. Yes, sure, that
10 sounds great. Make it at 7 o'clock?

11 HANS ARLT: So be --

12 STEVE: I'll (indiscernible).

13 HANS ARLT: -- 7 o'clock time?

14 STEVE: Say again.

15 HANS ARLT: It would be about 8 o'clock your
16 time, right, an hour from now?

17 ALEXIS REED: He wants to go in an hour.

18 HANS ARLT: 8 o'clock Pacific. Or do you
19 want to do it now? I mean, it's fine either way to us.

20 STEVE: Can we do this (indiscernible)?

21 ALEXIS REED: Yes, sure, sure.

22 STEVE: Okay. Yes, sure, in ten minutes.

23 HANS ARLT: Okay, ten minutes. What email
24 do you want me to, or you want me to send that number
25 to the CM Home Team, the call-in number?

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1 STEVE: Yes.

2 HANS ARLT: Okay, will do.

3 STEVE: Thank you.

4 DONALD COOL: Okay, unless there's another
5 question for the NRC Protective Measures Team, we'll
6 drop back off and we'll ask the next shift to follow-up
7 with you, with the assumptions on MOX.

8 MALE PARTICIPANT: Thank you.
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MALE PARTICIPANT: Hey, is this NRC?

FEMALE PARTICIPANT: NRC's back.

MALE PARTICIPANT: So I guess, I want to make sure, I got cut off right at the key point.

FEMALE PARTICIPANT: Oh, we thought you hung up on us.

DONALD COOL: Is this Chris?

MALE PARTICIPANT: Not intentionally. So I guess I'm concerned, and maybe I heard it wrong, but are you guys creating a new source term?

DONALD COOL: Yes, it will end up being a new source term. It'll be a different source term, that's correct.

MALE PARTICIPANT: So although, I think, we acknowledge that, what I heard you describe, as a new source term, will be more accurate for our next run, if we wait to do a run until we have that new source term, we're not going to have an answer until almost this time tomorrow.

FEMALE PARTICIPANT: It depends --

MALE PARTICIPANT: Based on how long it, and NARAC can --

DONALD COOL: Yes, I think it --

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1 MALE PARTICIPANT: -- (indiscernible) me
2 for saying the wrong thing, but based on how long it
3 takes us to QC your source term into our NARAC modeling
4 code.

5 DONALD COOL: It could be, yes, NARAC would
6 be the ones to give you a better ETA.

7 MALE PARTICIPANT: Yes.

8 DONALD COOL: Right.

9 MALE PARTICIPANT: So my preference, and
10 I recognize you may need to run up your staff, to make
11 sure they agree, my recommendation is, we run the
12 calculation with the current source term, ensuring that
13 everybody agrees on the parameters, that we have to
14 interpret, to run your source term and the NARAC code,
15 and to make sure that we are adequately, that we all
16 have the description of the current source term.

17 DONALD COOL: That would still take time.

18 MALE PARTICIPANT: Correct, but --

19 DONALD COOL: I don't know that it would
20 take a lot less time. The difference in time would be
21 the time it takes us to provide the information to NARAC.

22 MALE PARTICIPANT: They have a previous
23 source term.

24 MALE PARTICIPANT: I was going to say, so
25 --

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1 DONALD COOL: They have a (indiscernible).

2 MALE PARTICIPANT: And, again, somebody can
3 shoot me when I say something wrong, but --

4 DONALD COOL: Oh, go ahead.

5 MALE PARTICIPANT: You guys have already
6 provided the source term. We've already spent the time
7 building that source term in our code. So there are
8 some of this weather conditions that we need to factor
9 in, and we need to ensure that we all agree on the release
10 time, but if we go to a new source term, then we have
11 a lot more additional time after we receive the term
12 from you.

13 DONALD COOL: I'm sorry, could you give us
14 just a minute and a half here?

15 MALE PARTICIPANT: Sure.
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3 MALE PARTICIPANT: Good evening, NIT. NRC
4 just joined the bridge.

5 MALE PARTICIPANT: Hello, thanks for
6 calling.

7 MALE PARTICIPANT: Yes.

8 MALE PARTICIPANT: I think Caroline is just
9 going to get Gary.

10 MALE PARTICIPANT: Okay.

11 MALE PARTICIPANT: So there should be ready
12 in a second. And I appreciate you guys coming on for
13 a special bridge line call.

14 MALE PARTICIPANT: Sure, no problem.
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GARY MANSFIELD: So Gary and NARAC's here.

BILL BEAL: Hey, Gary. Thanks. Okay, I think we got everybody here. So the question that I got asked is, so NARAC has to make certain assumptions, when they get the NRC source term about, you know, relief duration, relief time, those sorts of things, about the source term that they're getting.

And we want to make sure that what they're using, specifically, what we're asking them for next is, arrival times, and sort of, comparison to (indiscernible, possibly "PAG") values for doses and stuff on the West Coast.

But if they have to make certain assumptions for that, we want to make sure that NRC is concurring with these assumptions that they're making about the source term, so that we're not putting two different models out there.

So I'd like to plug the two of you in together and talk about that a little bit, so that we can make sure that we're putting the right message out.

GARY MANSFIELD: Okay, so the specific issues are, what release times and what release durations that NARAC is using?

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1 BILL BEAL: That sounds like the chief issue,
2 is release times, release durations, I don't think that
3 other factors, I mean, you guys, NARAC is trying to,
4 are they trying to change times and durations to fit
5 the aerial measuring data, or is there something else
6 going on there, or what?

7 GARY MANSFIELD: I am sure. We need to get
8 one of the official NARAC people, rather than the usual
9 help (indiscernible) here, so standby.

10 BILL BEAL: Okay.

11 MALE PARTICIPANT: I know what that's like.

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GARY MANSFIELD: Okay, so here's someone, who actually knows what he's talking about.

KEVIN FOSTER: Hi, this is Kevin Foster.

BILL BEAL: Hey, Kevin, this is Bill, at the NIT, and who's on from PMT?

PATRICIA MILLIGAN: This is Trish Milligan.

MARGARET CERVERA: Margaret Cervera.

WAYNE SCHMIDT: Wayne Schmidt.

JOHN TAPPERT: And John Tappert.

BILL BEAL: Okay, so I'll repeat what I asked Gary. So before we go, we, the NIT, go tasking NARAC, with another round of these West Coast arrival doses, and arrival times, et cetera, it's our understanding, that you guys have to make certain assumptions about the source term that you're getting from NRC.

But it's not clear, that those assumptions, that need to be made, are getting communicated back to NRC, with their concurrence. So we want to make sure that, NRC is agreeing with any assumptions, that you guys have to make, so that we can tell our higher echelons, that you guys are in sink, so that we don't get a different message from NRC.

KEVIN FOSTER: Okay. So are we talking about

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BILL BEAL:

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KEVIN FOSTER:

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BILL BEAL: Okay.

(b)(5)

KEVIN FOSTER: Yes.

BILL BEAL: --

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KEVIN FOSTER:

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BILL BEAL: Okay.

KEVIN FOSTER: (b)(5)

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BILL BEAL: Okay. Let me raise that question here, with a couple of folks. And just give me a minute. Hang on.

KEVIN FOSTER: Okay.

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BILL BEAL: Hey, we're still discussing this
here, so thanks for your patients.

KEVIN FOSTER: Okay.

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MALE PARTICIPANT: Should we answer these questions? They want to know about radiation monitors, and stuff like that. I thought they were going to (indiscernible). Let's see, there are 32 bundles in the Units 3, 4, and none of it's spent fuel pool.

FEMALE PARTICIPANT: There isn't any.

MALE PARTICIPANT: I say that.

FEMALE PARTICIPANT: Thirty-two bundles in Unit 3?

MALE PARTICIPANT: Yes, from the core.

FEMALE PARTICIPANT: And none of it spent fuel pool?

MALE PARTICIPANT: There's six-and-a-half kilograms per bundle (indiscernible).

MALE PARTICIPANT: NRC Operations Center, Protective Measures Team.

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BILL BEAL: Hey, guys, this is Bill again.

We got someone else on the phone here, that's discussing exactly this with a higher level, so I want to make sure that we capture whatever they talk about on this call, so that's why it took me so long.

MALE PARTICIPANT: Okay.

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BILL BEAL: Hi, this is Bill, in NIT Ops, DOE, again. I've got you guys on speaker. And Chris Smith, here, just got off the phone, and he might have to (indiscernible) right here.

MALE PARTICIPANT: Okay.

CHRIS SMITH: All right, I apologize, if I re-hash anything that you guys are already talking about. Have gotten to ensure the White House Science Advisor and other policy makers are able to understand this, is to go through a couple things.

First, they want what we're going to ask for, and I'll follow-up directly with you guys at NRC, is a description of the source term. Like, what I heard from Bill, is the individual best position to provide that are coming on later, 0100 in the morning, our Eastern time. Does that sound reasonable?

DONALD COOL: Actually, we expect them to be here within the next half, three-quarters an hour, and we'll start working on that. This is Don Cool, with NRC.

MALE PARTICIPANT: Just warning (indiscernible) watch for.

FEMALE PARTICIPANT: We were just led to

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1 understand that there's a 1 o'clock call, and we were
2 going to try to ensure that he made that call.

3 MALE PARTICIPANT: 1 o'clock Eastern time.

4 FEMALE PARTICIPANT: Yes, Eastern time.

5 CHRIS SMITH: So like I said, I can talk
6 to you guys independently. I think what we're hoping
7 is, we can get a description of the source term from
8 you guys, (b)(5)

9 (b)(5) that'll help us resolve
10 some of the questions that we end up fielding, that we
11 probably shouldn't be speaking to.

12 Second item, for the NARAC folks, instead
13 of using actual weather, we're being directed to come
14 up with specific scenarios, and I'll have to work the
15 details with you guys, individually, on how to come up
16 with better weather patterns, that's a northern track
17 that would send a plume towards Alaska, and then a southern
18 track that would send a plume towards Hawaii.

19 MALE PARTICIPANT: Do you mean, that it first
20 sends the plume to Alaska, and then that plume turns
21 around and heads to Hawaii, or two separate plumes?

22 CHRIS SMITH: Two. So what we're going to
23 end up having to do is, two separate runs with two separate
24 weather, that are realistic, but not part of current
25 projected weather.

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1 MALE PARTICIPANT:

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3 CHRIS SMITH: Affirmative.

4 MALE PARTICIPANT: All right. So pretty
5 much, a direct route, is that the idea, to maximize the
6 concentrations?

7 CHRIS SMITH: So we can work out some of
8 the details. The best positions to defend it, if it's
9 a realistic weather patterns, that we've seen before.

10 Having said that, this is not worth spending days doing
11 research to come up with a 99 percent solution.

12 MALE PARTICIPANT: Okay.

13 CHRIS SMITH: So I'm going to get an email
14 from Aoki, that I can share with you, to help provide
15 that direct information independently. I understand
16 that D'Agostino gave the same message to George Miller,
17 so you should be hearing, two independent sources of
18 the same information, and hopefully, that will match.

19 MALE PARTICIPANT: All right.

20 CHRIS SMITH: You guys can start thinking
21 about how, what the (indiscernible) would be required
22 to accomplish that.

23 MALE PARTICIPANT: Okay.

24 CHRIS SMITH: Third point, which I think,
25 is going to be addressed, as part of the source term

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CHRIS SMITH: After one spent fuel pool at Unit 3, and one spent fuel pool at Unit 4, my understanding is, all three of those components have no credit for containment, and therefore, the vast majority of the source term is released in the first 24 hours. If that is incorrect, please, let me know.

MALE PARTICIPANT: Was 50 percent --

MALE PARTICIPANT: Chris, can you repeat those source terms for me, please?

CHRIS SMITH: So I understand that the source term has three components, a reactor component has 33 percent fuel melt, fuel failure --

MALE PARTICIPANT: Yes.

CHRIS SMITH: -- with no credit for containment. A spent fuel pool at Unit Number 3, which inherently has no containment, and a spent fuel pool for Unit Number 4.

FEMALE PARTICIPANT: This 50 percent containment brief.

DONALD COOL: This is Don Cool, at NRC's Protective Measures Team. That is correct.

MALE PARTICIPANT: Okay. But you've got 50 percent release of spent fuel, 3, and 100 percent

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1 of spent fuel, 4, is that correct?

2 FEMALE PARTICIPANT: Yes.

3 DONALD COOL: I think it equates to the same
4 thing, it was 50 percent of the Unit 3 spent fuel, that
5 was melted, and therefore releasing, and all of the fuel,
6 in what was the pool, for 4.

7 MALE PARTICIPANT: Okay.

8 CHRIS SMITH: So that was in nuance, I was
9 not previously aware of, but as long as we can, part
10 of the source description, we can capture, idle property
11 attachment conception.

12 MALE PARTICIPANT: Can I clarify the Unit
13 3 source? Are we saying, that 50 percent of the core
14 melted, and 100 percent of the spent fuel, or something
15 different for Unit 3?

16 DONALD COOL: This is Don Cool, with NRC.
17 The assumption was 50 percent melt of the fuel in Unit
18 3 spent fuel pool. We were not including any of the
19 fuel that's actually in the core of 3, in this particular
20 scenario.

21 MALE PARTICIPANT: Okay. Thank you.

22 GARY MANSFIELD: Don, this is Gary Mansfield,
23 at NARAC. While I've got you, could you give me your
24 phone number?

25 DONALD COOL: 301-816-5419.

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1 GARY MANSFIELD: 301-816-5419, thank you,
2 very much.

3 DONALD COOL: Right. And we will be going
4 through shift change. We've got people coming in now.
5 It officially switches over at 11:00 p.m. Eastern, in
6 another 20 minutes, or so. They'll be some of us in
7 the transition for a little while, and then you'll have
8 a new set of folks, but we'll be handing off these actions.

9 GARY MANSFIELD: Okay.

10 KEVIN FOSTER: Don, this is Kevin. Can I
11 ask what the status is of your investigation into running
12 those three units as separate source terms?

13 DONALD COOL: Our folks are working it.
14 They've put together, my folks in this shift, their best
15 estimate of scenario, and first task, when the new
16 assessment crew comes online is to do a comparison, since
17 they're the one who did the old one, so we can sort it
18 out. We're waiting for them to come online.

19 KEVIN FOSTER: Okay.

20 DONALD COOL: When they get here in another
21 half-hour.

22 KEVIN FOSTER: Okay. Thank you.

23 CHRIS SMITH: So let me pause for second.
24 Any questions, from anybody, on what I just passed along?
25 Going to look for both daily senior management and the

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1 appropriate NRC staff to (indiscernible, possibly
2 "behind") whatever we end up presenting at the end of
3 this process.

4 KEVIN FOSTER:

(b)(5)

5 (b)(5)
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9 CHRIS SMITH: Yes.

10 DONALD COOL: Yes, I think so. This is Don
11 Cool, in NRC. Let me put a couple of little pieces on
12 the table, hopefully, not to create confusion.

13 The first one, there had been a discussion
14 in the CMHT Bridge a little while ago,

(b)(5)

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21 KEVIN FOSTER: Good. Thank you.

22 DONALD COOL:

(b)(5)

23 (b)(5)
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16 CHRIS SMITH: So let me try and address that.

17 And this is a good point, I'm glad you brought it up.

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1 (b)(5)

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4 KEVIN FOSTER:

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5 (b)(5)

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9 CHRIS SMITH:

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10 (b)(5)

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14 DONALD COOL:

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15 (b)(5)

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22 CHRIS SMITH:

(b)(5)

23 (b)(5)

24 DONALD COOL: Okay.

25 CHRIS SMITH: Our position, right now is,

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(b)(5)

DONALD COOL: That would be our desire, as well.

CHRIS SMITH: So rather than to continuing to reiterate on a source term, at this time, if you guys are still comfortable with the source term you provided, then lets not iterate on that, until we figure out the rest of the process.

FEMALE PARTICIPANT: Sounds fair.

DONALD COOL: All right, and as we committed earlier, we'll be getting back to you over the next few hours, when we've got some of those other folks in and can get the right heads together to make that confirmation.

CHRIS SMITH: Good. That has already been passed along and we've gotten (indiscernible) from our senior management that you're getting the right folks to do it, and it'll take place in the timely manner that it needs to.

So I guess I want to, unless there are any other questions on that, you want to make sure the agreement on what's, or maybe I'm mistaken, but seems to be a common question is, how we're handling the release time of this source term?

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1 KEVIN FOSTER: And since, just commenting
2 on that fact, its' something that we were talking about
3 earlier, is that we, basically, are releasing all three
4 source terms from the three different units, at the same
5 time, reflecting what we have in the latest source term
6 file from the NRC.

7 CHRIS SMITH: So there's, match the AMS data,
8 because I heard it come up before.

9 KEVIN FOSTER: The work with the AMS data
10 was actually being done with the previous set of files
11 we received yesterday, that broke the separate source
12 terms into separate components.

13 It is difficult for us to use the single
14 source term to match to the AMS data, because it's, the
15 AMS data, of course, is reflecting a time dependent
16 disposition based on when the various units were
17 releasing.

18 CHRIS SMITH: And we understand that. So
19 I think we're trying to mix apples and oranges, so I
20 wanted to make sure that that wasn't trying to confuse
21 the AMS data with this, and I think the NRC folks captured
22 it, this use of Pacific weather plots to address a worse
23 case-type of analysis.

24 KEVIN FOSTER: And so what we will do at
25 NARAC, is for that worse case weather analysis, used

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1 to combined source, being released at the same time,
2 unless we hear otherwise.

3 CHRIS SMITH: So I want to make, this is
4 the reason why I wanted to call in the first place.
5 I want to make sure NRC, that's consistent with the way
6 you intended the source term.

7 KEVIN FOSTER: This is Kevin Foster, again.
8 I believe the time period over which that source term
9 is being released is approximately, well, it's something
10 less than 24 hours.

11 FEMALE PARTICIPANT: Our release duration
12 is limited to 48 hours. On that run, with all three
13 incidents happening, and the model does the same one
14 thing happening, our duration went to 15 hours.

15 KEVIN FOSTER: Yes, I think 15 hours sounds
16 about right, for what I remember seeing in that file.
17 For the Transpacific calculation, we will likely release
18 all of that -- well, never mind. Let me take that comment
19 back.

20 FEMALE PARTICIPANT: Okay.

21 CHRIS SMITH: (Indiscernible), but I'll be
22 a little redundant here. NRC, if you guys can, because
23 this, in my --

24 MALE PARTICIPANT: Tell him we need to call
25 Chris back (indiscernible).

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1 FEMALE PARTICIPANT: Yes, we need to --

2 MALE PARTICIPANT: (Indiscernible).

3 FEMALE PARTICIPANT: Hello.

4 CHRIS SMITH: -- you can describe --

5 FEMALE PARTICIPANT: Can you hang on for
6 about five minutes, or a couple of minutes, and we'll
7 get back on. We just need to talk this really quickly,
8 and we might be able to have some answers for you?

9 CHRIS SMITH: Okay, we'll standby.

10 FEMALE PARTICIPANT: Thank you.

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FEMALE PARTICIPANT: Hi, we're back.

Anyone there?

CHRIS SMITH: Yes, NARAC's here.

FEMALE PARTICIPANT: Yes, hi. We've just been consulting, and we think that, well, we're pretty confident we'll be able to get you what you need, certainly, by 1 o'clock, but we think, likely, well before then.

CHRIS SMITH: Great.

FEMALE PARTICIPANT: The breaking up the three separate source terms.

MALE PARTICIPANT: Is this Ron?

CHRIS SMITH: Okay, that's great.

MALE PARTICIPANT: And then --

FEMALE PARTICIPANT: Gary and Kevin.

MALE PARTICIPANT: -- Kevin Foster?

FEMALE PARTICIPANT: So does that work for you all?

KEVIN FOSTER: Yes. Now, you're saying, before 1 o'clock? And I'm sorry, is that 1 o'clock --

FEMALE PARTICIPANT: Eastern.

DONALD COOL: 1 o'clock Eastern, Kevin.

FEMALE PARTICIPANT: Eastern time.

DONALD COOL: We'll try and zip it right

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1 out, and maybe I ought to get it to you fairly quickly.

2 KEVIN FOSTER: Okay, so we're talking on
3 the order of a couple of hours, is that right?

4 DONALD COOL: Well, we'll give you that time
5 to give us extra time in case we need it, but we might
6 be able to do this in 30 minutes.

7 KEVIN FOSTER: Okay. Okay, that sounds
8 wonderful.

9 FEMALE PARTICIPANT: Okay.

10 DONALD COOL: And then, what we're going
11 to do is give you three different runs and say, you'll
12 need to multiply the activities in order to get a
13 representative source term.

14 KEVIN FOSTER: I'm sorry, we'll have to
15 multiply the activity (indiscernible)?

16 DONALD COOL: We'll send you --

17 FEMALE PARTICIPANT: Directions.

18 DONALD COOL: --an explanation in the email,
19 but basically, our RASCAL models can only model one
20 (indiscernible).

21 KEVIN FOSTER: Oh, okay. I see, and so we'll
22 have to multiply by the appropriate number of batches?

23 DONALD COOL: That's right.

24 FEMALE PARTICIPANT: Yes.

25 KEVIN FOSTER: Okay. And then, if we do

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1 that, and we sum those three together, will we get something
2 that's approximately the same as the super core run,
3 that we had (indiscernible)?

4 DONALD COOL: Well, you may have
5 approximately the same activities, but you know, modeling
6 with the spent fuel pool options, well, most of the shared
7 life decay products would be gone from there, including
8 the iodine.

9 KEVIN FOSTER: Okay, so we may have a little
10 different inventory then.

11 FEMALE PARTICIPANT: Yes. Right.

12 DONALD COOL: Yes, more accurate.

13 KEVIN FOSTER: More accurate in what you'll
14 be sending us?

15 DONALD COOL: Well, it'll be more
16 representative of what would really come out of the spent
17 fuel pool.

18 KEVIN FOSTER: Okay. Okay, great.

19 DONALD COOL: All right, so we'll get right
20 on that, and send it out (indiscernible).

21 KEVIN FOSTER: Great, thank you, very much.

22 DONALD COOL: All right, talk to you
23 tomorrow.

24 KEVIN FOSTER: Bye-bye.

25 CHRIS NOSER: This is Chris Noser, from Naval

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1 Reactors on the line. Is the NRC still there?

2 DONALD COOL: Yes, we're here.

3 FEMALE PARTICIPANT: Yes.

4 CHRIS NOSER: Do you have a direct line I
5 can call someone and talk to about the source term
6 (indiscernible) more information that we are generating
7 right now?

8 FEMALE PARTICIPANT: Yes, we'll give you
9 a number, hang on one second.

10 CHRIS NOSER: Okay, thank you.

11 MALE PARTICIPANT: Standby. 301-816-5195.

12 Is he there? He's gone.

13 FEMALE PARTICIPANT: Are you there?

14 MALE PARTICIPANT: He hung up on us.

15 CHRIS NOSER: This is Chris Noser.

16 FEMALE PARTICIPANT: Yes, Chris, you got
17 that number?

18 CHRIS NOSER: No, can you say it again,
19 please?

20 FEMALE PARTICIPANT: Sure.

21 MALE PARTICIPANT: 301-816.

22 CHRIS NOSER: 816.

23 MALE PARTICIPANT: 5195.

24 CHRIS NOSER: 5195. And who should I ask
25 for?

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1 DONALD COOL: Ask for Greg Casto.

2 MALE PARTICIPANT: Greg Casto.

3 CHRIS NOSER: Okay, great. Thank you.

4 MALE PARTICIPANT: Sure.

5 FEMALE PARTICIPANT: Okay, thanks. Bye.

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LOU BRANDON: Okay, we're back.

MALE PARTICIPANT: So you need it?

LOU BRANDON: This is Lou. Yes, we do. As far as what RASCAL model --

MALE PARTICIPANT: I need to hear this.

LOU BRANDON: -- we model ground levels.

MALE PARTICIPANT: Okay, well, we have options.

LOU BRANDON: Okay.

MALE PARTICIPANT: But, we, typically, release it at ground level.

LOU BRANDON: (b)(5)

(b)(5)

(b)(5)

MALE PARTICIPANT:

(b)(5)

(b)(5)

MALE PARTICIPANT:

(b)(5)

(b)(5)

LOU BRANDON:

(b)(5)

MALE PARTICIPANT: Yes.

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1 MALE PARTICIPANT:

(b)(5)

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5 LOU BRANDON:

(b)(5)

6 (b)(5)

7 MALE PARTICIPANT:

(b)(5)

8 (b)(5)

9 LOU BRANDON:

(b)(5)

10 (b)(5)

11
12 MALE PARTICIPANT:

(b)(5)

13 (b)(5)

(indiscernible).

14 LOU BRANDON: Okay. Yes.

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CHRIS NOSER: This is Chris Noser, Naval Reactors. Chris, just to clarify, the source term you're referring to, is the one that we had discussed yesterday, the same one we've been using for the last day or so?

CHRIS SMITH: And I'll get the NRC guys to confirm it.

CHRIS NOSER: Okay.

CHRIS SMITH: It's this one term that includes those three components.

CHRIS NOSER: Right.

CHRIS SMITH: But, I believe, the NRC folks have found a way to combine it, their three components, to take into account the fact that their release timing has a 15-hour release, as opposed to the timing, to take into account the different expected times of those actual releases.

CHRIS NOSER: Based on the realistic start times that --

CHRIS SMITH: Across.

CHRIS NOSER: Okay. Thanks.

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KEVIN FOSTER: Chris, are you still there?

This is Kevin, at NARAC.

CHRIS SMITH: Affirmative.

KEVIN FOSTER: Hey, Chris.

(b)(5)

(b)(5)

CHRIS SMITH:

(b)(5)

(b)(5)

KEVIN FOSTER: Okay. That's what we're
intending now at this time, in pursuing.

CHRIS SMITH: By appropriately, I mean,
widely.

LOU BRANDON: Hey, guys. We just spoke with
our management again.

(b)(5)

(b)(5)

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1 CHRIS SMITH: Can I just say?

(b)(5)

2 (b)(5)

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4 LOU BRANDON: Okay.

5 CHRIS SMITH: I think we want, and I just

6 sent our folks the language,

(b)(5)

7 (b)(5)

8 (b)(5)

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16 LOU BRANDON: Right. Yes.

17 KEVIN FOSTER: This is Kevin, at NARAC.

18 (b)(5)

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23 GAYLE WALKER:

(b)(5)

24 (b)(5)

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1 this is Gayle.

2 KEVIN FOSTER: (b)(5)

3 (b)(5)

4
5 GAYLE WALKER: By that time.

6 KEVIN FOSTER: By that time.

7 LOU BRANDON: Okay, I'm a little bit fussy.

8 (b)(5)

9
10 KEVIN FOSTER: (b)(5)

11 (b)(5)

12 LOU BRANDON: Okay, I'm with you, now.

13 KEVIN FOSTER: Okay. I was going to say

14 that, yes, (b)(5)

15 (b)(5)

16
17
18 (b)(5)

19 GAYLE WALKER:

20 (b)(5)

21
22 LOU BRANDON: Okay.

23 GAYLE WALKER: But I don't know what you
24 want to do then. But that's probably a conversation
25 we should have offline.

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1 LOU BRANDON: Yes, I think we're, now, we're
2 comfortable. Yes, having heard that last explanation,
3 I think we're comfortable. And let me give you a little
4 update here. Our dose people tell us that they'll have
5 a corrected source term before 1 o'clock, if we stop
6 bothering them.

7 GAYLE WALKER: We'll have a run, if we get
8 off this line, as well. I have a question, what is the
9 due date time on this?

10 CHRIS SMITH: So I will say, no matter what
11 I say, people will ask for it an hour before any deadline
12 you pick. So you should just assume that we need to
13 try and get this done as quickly, but as deliberately
14 as reasonable.

15 GAYLE WALKER: You know, I, well, I don't
16 know what to tell you. We will do it as fast as we can.

17 CHRIS SMITH: Understood. Understood.

18 GAYLE WALKER: Like you would understand,
19 that whenyou take this new case, it's going to take an
20 hour or two to set it up, and five or six hours to zap
21 it across the ocean. (b)(5)

22 (b)(5)

23 (b)(5)

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(b)(5)

I think, is what I'm trying to say.

CHRIS SMITH: I understand. And so I guess,
I want to make sure --

GAYLE WALKER: But it is something that needs
to be completed tonight.

CHRIS SMITH: Well, again, my comment to
everybody, and particularly, NRC, I tried to say it earlier,
nobody's going to want a model created for a source term
that we know is LOD (phonetic). That said, when I start
briefing up that the model is going to be delayed because
we have to do a new source term, I want to make sure
NRC --

GAYLE WALKER: Okay, so we, on our --

CHRIS SMITH: Hold on Gayle.

GAYLE WALKER: Yes.

CHRIS SMITH: (b)(5)

(b)(5)

LOU BRANDON: Yes.

GAYLE WALKER: (b)(5)

(b)(5)

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CHRIS SMITH: Okay. So --

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GAYLE WALKER: Once we find the case.

14

CHRIS SMITH:

(b)(5)

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(b)(5)

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GAYLE WALKER:

(b)(5)

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(b)(5)

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KEVIN FOSTER:

(b)(5)

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(b)(5)

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1 source term from NRC.

2 However, before we actually release the page
3 and a half report, that we were talking about earlier,
4 we will, obviously, need the source term from NRC.

5 GAYLE WALKER: That'll take about an hour,
6 or so --

7 KEVIN FOSTER: Right.

8 GAYLE WALKER: -- for us to --

9 KEVIN FOSTER: Manually steal the numbers.

10 GAYLE WALKER: -- to manually, right.

11 LOU BRANDON: Hey, guys. I was just thinking,
12 I don't disagree with anything that you just said, (b)(5)

13 (b)(5)

14 (b)(5)

15
16
17 GAYLE WALKER: Yes, (indiscernible) radio
18 iodine tablet.

19 LOU BRANDON: (b)(5)

20 (b)(5)

21
22
23 (b)(5)

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1 (b)(5)

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MALE PARTICIPANT:

(b)(5)

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(b)(5)

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7

LOU BRANDON: It's March.

8

MALE PARTICIPANT: I know, I'm just saying

9

(indiscernible).

10

LOU BRANDON:

(b)(5)

11

(b)(5)

12

FEMALE PARTICIPANT:

(b)(5)

13

Juno?

14

LOU BRANDON:

(b)(5)

15

CHRIS SMITH: So I appreciate the comment.

16

LOU BRANDON: Really?

17

CHRIS SMITH: Again, part of our task is

18

to provide you, not just the run,

(b)(5)

19

(b)(5)

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21

FEMALE PARTICIPANT:

(b)(5)

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(b)(5)

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CHRIS SMITH: Agreed.

25

LOU BRANDON: Yes.

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1 CHRIS SMITH: This needs to be a product
2 that NRC is comfortable with, before we put it forward.

3 LOU BRANDON: Well, yes, sure. And I
4 appreciate that. (b)(5)

5 (b)(5)
6

7 CHRIS SMITH: So we'll have our Assessment
8 Scientist confirm that we're looking --

9 LOU BRANDON: This time of year.

10 FEMALE PARTICIPANT: Yes.

11 CHRIS SMITH: -- at the right ingestion
12 pathway, the right ERLs.

13 LOU BRANDON: Yes. Thanks, guys. And I
14 don't mean, you know, this time of year, March, April.

15 CHRIS SMITH: All right. And just to try
16 and wrap this up, so that we can all move on to real
17 work, from you guys, at the NRC, are you comfortable
18 providing us a description of the source term that includes,
19 ideally, some description of the release time and release
20 rate, so we can address that question, and cover the
21 assumptions built into the source term?

22 LOU BRANDON: Yes, that's what we're working
23 on.

24 CHRIS SMITH: Okay.

25 LOU BRANDON: Yes.

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1 CHRIS SMITH: All right, anybody have any
2 questions?

3 MALE PARTICIPANT: Do we want to set a time
4 to reconnect?

5 FEMALE PARTICIPANT: We have it set for 1
6 o'clock.

7 MALE PARTICIPANT: 1 o'clock?

8 CHRIS SMITH: Yes.

9 MALE PARTICIPANT: Well --

10 LOU BRANDON: Why don't we make it 1:30 p.m.,
11 just in case my dose guys actually get done by 1:00 p.m.,
12 if they get done early, for some reason, and we vetted
13 it, we'll call you.

14 CHRIS SMITH: Bridge line's always up.

15 MALE PARTICIPANT: Okay.

16 FEMALE PARTICIPANT: Yes.

17 LOU BRANDON: Fair enough? NARAC?

18 MALE PARTICIPANT: I'm sorry, say again.

19 LOU BRANDON: How about 1:30 p.m.?

20 MALE PARTICIPANT: Pacific time?

21 LOU BRANDON: Eastern time. What is that,
22 that's an hour-and-a-half.

23 MALE PARTICIPANT: Okay, someone will be
24 here.

25 LOU BRANDON: So, an hour-and --

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1 FEMALE PARTICIPANT: Okay.

2 LOU BRANDON: Okay.

3 CHRIS SMITH: So 1:30 p.m. Eastern time,
4 we'll have the next conference call, (b)(5)

5 (b)(5)

6 LOU BRANDON: Yes.

7 FEMALE PARTICIPANT: Yes.

8 CHRIS SMITH: All right?

9 LOU BRANDON: Okay.

10 CHRIS SMITH: Any other questions? All
11 right.

12 CHRIS NOSER: This is Chris Noser.

13 CHRIS SMITH: Yes.

14 CHRIS NOSER: Chris, are you there at the
15 NIT line, 287 --

16 CHRIS SMITH: I am.

17 CHRIS NOSER: -- 2355?

18 CHRIS SMITH: I am.

19 CHRIS NOSER: Yes, I'll just call you
20 offline.

21 CHRIS SMITH: Okay.

22 CHRIS NOSER: Thank you.

23 LOU BRANDON: May the force be with you.

24 CHRIS SMITH: All right, I'll talk to whoever
25 in an hour-and-a-half.

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1 LOU BRANDON: Okay.

2 FEMALE PARTICIPANT: Okay, thank you.

3 LOU BRANDON: Thanks.

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0%G-405_15365094

RANDY SULLIVAN: Yes, hi. This is Randy
Sullivan. I guess, I'm coming on. (b)(5)

(b)(5)

CHRIS SMITH: Okay, so --

RANDY SULLIVAN: (b)(5)

(b)(5)

GARY MANSFIELD: I'm sorry. This is Gary
Mansfield, NARAC. (b)(5)

(b)(5)

RANDY SULLIVAN: (b)(5)

(b)(5)

FEMALE PARTICIPANT: (b)(5)

RANDY SULLIVAN: --

FEMALE PARTICIPANT: Yes.

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1 GARY MANSFIELD: Okay, good point.

2 RANDY SULLIVAN: Good point.

3 GARY MANSFIELD: What I had heard, somewhat
4 informally, is that some of the fuel in one of the pools,
5 and I forget which one --

6 RANDY SULLIVAN: Yes, it's pool Number 4.

7 RANDY SULLIVAN: -- was relatively fresh,
8 but I didn't hear any specifics.

9 RANDY SULLIVAN: Hundred and five days.

10 FEMALE PARTICIPANT: It was (indiscernible)
11 for 105 days.

12 RANDY SULLIVAN: Yes, 105 days.

13 RANDY SULLIVAN: Okay.

14 RANDY SULLIVAN: And everything else, and
15 we don't know how much else there is, unless somebody
16 got that information since we --

17 FEMALE PARTICIPANT: No.

18 RANDY SULLIVAN: Okay. But that is a lot
19 of Iodine-131 half tons.

20 FEMALE PARTICIPANT: Yes.

21 RANDY SULLIVAN: Yes, sure it is, yes, yes,
22 yes. So and by the way, I haven't had a chance to debrief
23 with my colleagues, (b)(5)

24 (b)(5)
25

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(b)(5)

CHRIS SMITH: All right. And I recognize
you're just coming on, but my understanding of the source
term that we had received last from you guys, (b)(5)

(b)(5)

FEMALE PARTICIPANT: Right.

RANDY SULLIVAN: Okay.

CHRIS SMITH:

(b)(5)

(b)(5)

FEMALE PARTICIPANT: Right. Yes.

CHRIS SMITH:

(b)(5)

(b)(5)

FEMALE PARTICIPANT: Yes.

RANDY SULLIVAN: Yes. I see that, now.

CHRIS SMITH: And so --

RANDY SULLIVAN: That's better.

CHRIS SMITH:

(b)(5)

(b)(5)

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(b)(5)

RANDY SULLIVAN: An extra day?

FEMALE PARTICIPANT: It's going to take another day to --

CHRIS SMITH: But if you're --

RANDY SULLIVAN: But, I'm not quite understanding. If we can get you a source term in a couple of hours, why isn't it in the same day?

CHRIS SMITH: Because, and the NARAC folks are on the line, I'm sure you can explain it better than me, once we get a source term from you, it takes us a couple of hours to ensure that we properly translate it into our code.

RANDY SULLIVAN: Okay.

CHRIS SMITH: And then it takes at least five hours to run the code.

RANDY SULLIVAN: Okay. So you've done that with this previous source term, is that what I understand?

CHRIS SMITH: (b)(5)

(b)(5)

FEMALE PARTICIPANT: Right.

CHRIS SMITH: -- then we've already done

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1 the translation. So it saves you guys, it saves us,
2 you know, two hours for you to create the new code, and
3 however many hours it takes us to translate that into
4 our code.

5 RANDY SULLIVAN: Okay, and NARAC concurs
6 with what you just said, right, as far as the timing?

7 GARY MANSFIELD: I'd have to get Kevin in
8 to verify that, standby.

9 RANDY SULLIVAN: Okay, I'm --

10 CHRIS SMITH: And I think we all acknowledge,
11 we can always improve the source term, and I heard you
12 guys discuss the ability to separate out the releases,
13 so that it's not all mashed into one 15-hour library.

14 RANDY SULLIVAN: Hey, give us a minute, will
15 you, please? We're trying to figure out where we are
16 with iodine.

17 CHRIS SMITH: Understood. So again, my
18 intent is to make sure you guys are conformable with
19 something, and we're comfortable with something.

20 RANDY SULLIVAN: Yes.

21 CHRIS SMITH: Take the time you need, right
22 now, and --

23 RANDY SULLIVAN: Yes, thank you.

24
25
26

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KEVIN FOSTER: Hi, this is Kevin Foster.
Was there a question about running with a new source
term?

CHRIS SMITH: Kevin, hold on, I think NRC
is caucusing, so wait until they get back on the line,
please.

KEVIN FOSTER: Okay.

ALEXIS REED: Hey, this is Alexis, sorry,
I just got a message that you guys wanted me to get on
the bridge line.

HANS ARLT: Oh, hey, Alexis, that was me,
Hans, do you have a, instead of tying this up, because
they're having a big source term discussion, is there
a number, I can call you at, direct?

ALEXIS REED: Yes, you ready? It's, do you
have a pen?

HANS ARLT: Yes.

ALEXIS REED: (b)(6)

HANS ARLT: (b)(6)

ALEXIS REED: Correct.

HANS ARLT: Call you in just a sec, thank
you.

ALEXIS REED: Okay.

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RANDY SULLIVAN:

(b)(5)

(b)(5)

(b)(5)

KEVIN FOSTER:

(b)(5)

RANDY SULLIVAN: Yes.

FEMALE PARTICIPANT: Right.

KEVIN FOSTER: Okay. Okay, well, hey, this, you know, do the best that you can, right now, and we'll

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1 take whatever you can when you send it to us.

2 RANDY SULLIVAN: Yes.

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

4 (b)(5)

5 (b)(5)
6 FEMALE PARTICIPANT: (b)(5)

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

8 (b)(5)

9
10 RANDY SULLIVAN: That's --

11 FEMALE PARTICIPANT: Yes.

12 RANDY SULLIVAN: That's our understanding,
13 yes.

14 FEMALE PARTICIPANT: Yes.

15 KEVIN FOSTER: Okay, so the only thing that
16 we'd ask, at this point, is when you do, do the re-runs,
17 if you could do them separately, the three different
18 units, is that possible?

19 RANDY SULLIVAN: Understand, that's what
20 we're going to give you. It will be three separate runs,
21 and you're going to have to, with instructions, and you're
22 going to have to combine those in the sequence that you're
23 looking for to make the composite run.

24 KEVIN FOSTER: Yes, that's fine. and there
25 might be some level of scaling that we'll have to do,

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1 to those numbers? I think (indiscernible) just a
2 combination.

3 RANDY SULLIVAN: No, no. You are correct,
4 there will be some scaling and we'll provide that
5 information to you.

6 KEVIN FOSTER: Okay.

7 RANDY SULLIVAN: Okay.

8 CHRIS SMITH: All right, so let me just hit
9 on a couple of things real quick. So I want to make
10 sure that, at the end of this, you guys at NRC, are
11 comfortable with the source term as, you know, our best,
12 as a representative understanding of what's going on.

13 I want to make sure you feel like you have enough
14 information on the inventory of the two pools in question.

15 RANDY SULLIVAN:

(b)(5)

16 (b)(5)

17
18 MALE PARTICIPANT: We have some information.

19 RANDY SULLIVAN: Oh, do we have information?

20 CHRIS SMITH: I was going to say, I know
21 we've gotten from NRC, and (b)(5)

22 (b)(5)

23 RANDY SULLIVAN: Yes. Oh, hey, great.
24 Great. That's new to me. We have had that last night.

25 CHRIS SMITH: That's fine.

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1 MALE PARTICIPANT: It's still an
2 approximation, though.

3 RANDY SULLIVAN: All right, what we know,
4 is what the offload was, right?

5 MALE PARTICIPANT: Right.

6 MALE PARTICIPANT: Yes.

7 RANDY SULLIVAN: (b)(5)

8 (b)(5)

9 MALE PARTICIPANT: Correct.

10 CHRIS SMITH: (b)(5)

11 (b)(5)

12
13 MALE PARTICIPANT: Yes.

14 CHRIS SMITH: (b)(5)

15 (b)(5)

16
17 FEMALE PARTICIPANT: Right.

18 RANDY SULLIVAN: Yes.

19 CHRIS SMITH: There is seven additional
20 batches in there.

21 FEMALE PARTICIPANT: That's correct.

22 CHRIS SMITH: With the assumption that
23 they're spaced by 18 months.

24 FEMALE PARTICIPANT: That was in our
25 modeling.

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1 RANDY SULLIVAN: Right.

2 FEMALE PARTICIPANT: We don't know that the

3 --

4 CHRIS SMITH: With, okay.

5 RANDY SULLIVAN: Right, we --

6 CHRIS SMITH: And 18 months isn't a
7 reasonable assumption, based on typical refueling
8 frequency.

9 RANDY SULLIVAN: That's assumption.

10 FEMALE PARTICIPANT: Right.

11 CHRIS SMITH: Okay.

12 RANDY SULLIVAN: That, yes, that's what we
13 gave you, because that's our estimate.

14 CHRIS SMITH: Right.

15 RANDY SULLIVAN: But it is an estimate.

16 CHRIS SMITH: Okay.

17 MALE PARTICIPANT: We do not have inventory.

18 RANDY SULLIVAN: We don't have that from
19 TEPCO, right?

20 MALE PARTICIPANT: No, we don't have that.

21 RANDY SULLIVAN: I mean, it's not like they
22 told us what's in the spent fuel pool. GE told us what
23 they offload. And when we say three batches, you know,
24 we're talking one-third core.

25 CHRIS SMITH: So I think I've separately

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1 seen data that says there are 1,300 and change, bundles,
2 and that the standard load for this particular reactor
3 is 546 bundles.

4 RANDY SULLIVAN: Really? Then, you're
5 talking number of bundles in that spent fuel pool?

6 CHRIS SMITH: Correct.

7 MALE PARTICIPANT: Neat.

8 RANDY SULLIVAN: We need to follow-up on
9 that. Could you rattle those off again?

10 CHRIS SMITH: If you want, I'm sure we have
11 your central email address. The traffic I saw was from
12 Pete Lyons, two to three days ago.

13 RANDY SULLIVAN: Cool. That's possible.
14 Pete Lyons would be at IAEA.

15 FEMALE PARTICIPANT: No.

16 RANDY SULLIVAN: Oh, I'm sorry, you said
17 Pete Lyons, POE.

18 CHRIS SMITH: Yes, so Pete's here at DOE,
19 and he had some discussions with either IEA, or somebody
20 over there.

21 MALE PARTICIPANT: A number of bundles --

22 RANDY SULLIVAN: Oh, this is --

23 FEMALE PARTICIPANT: Yes.

24 MALE PARTICIPANT: PeteNichols, GEHitachi.

25 FEMALE PARTICIPANT: Yes.

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1 MALE PARTICIPANT: That number, could you
2 read that to him (indiscernible).

3 MALE PARTICIPANT: Okay, we do have some
4 information. Thanks for bringing that up, we're catching
5 up as we go.

6 CHRIS SMITH: Okay.

7 MALE PARTICIPANT: Actually, it looks we
8 just, well, I don't know. Anyway, number of bundles
9 in each spent fuel pool, we do have a listing.

10 CHRIS SMITH: So I guess I want to emphasize,
11 if we have to make a new source term, which it sounds
12 like we do.

13 MALE PARTICIPANT: We'll get the best
14 estimate we can.

15 CHRIS SMITH: (b)(5)

16 (b)(5)
17
18

19 MALE PARTICIPANT: Well, it's our best
20 effort, understand.

21 CHRIS SMITH: Well, I think we all
22 understand.

23 MALE PARTICIPANT: Okay. Okay.

24 CHRIS SMITH: We don't have perfect
25 knowledge.

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1 MALE PARTICIPANT: That's correct.

2 CHRIS SMITH: All right. (Indiscernible)
3 got you, I don't want to drag this on too much longer.

4 MALE PARTICIPANT: Understand.

5 CHRIS SMITH: Kevin, are you still on the
6 line?

7 KEVIN FOSTER: Yes, I am.

8 MALE PARTICIPANT: Okay, one more thing we
9 want to bring up. This is NRC.

10 CHRIS SMITH: Yes, go ahead.

11 MALE PARTICIPANT: The past run that got
12 released, we did not see before, and once it was done,
13 during the QC process, before it was released, we did
14 not see it.

15 CHRIS SMITH: (b)(5)

16 (b)(5)
17

18 MALE PARTICIPANT: That's correct.

19 CHRIS SMITH: So that's our commitment to
20 you. I figured I'd take this opportunity to make sure,
21 with the NARAC modeler on the phone, they can give you
22 an appreciation for the time it takes for us to run a
23 model, once we get your source term.

24 MALE PARTICIPANT: Okay.

25 KEVIN FOSTER: What we're doing at NARAC,

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(b)(5)

MALE PARTICIPANT: Yes.

KEVIN FOSTER:

(b)(5)

(b)(5)

(b)(5)

Can I ask, who is speaking from
the NRC, please?

RANDY SULLIVAN: Sure, Randy Sullivan, here.

KEVIN FOSTER: Okay, thanks, Randy.

RANDY SULLIVAN: Well, I mean, there's more
of us, but --

MALE PARTICIPANT: Right.

KEVIN FOSTER: Okay, I actually just wanted
a name, in case I needed to talk to someone about the
history of this, you know, and needed to refer to
conversation that we had tonight.

RANDY SULLIVAN: Yes, that's --

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1 MALE PARTICIPANT: Okay.

2 RANDY SULLIVAN: That's fine.

3 KEVIN FOSTER: Okay. Thanks, Randy.

4 CHRIS SMITH: So NARAC, can you also start,
5 ensure that NRC understands the weather pattern that
6 you've come up with?

7 KEVIN FOSTER: Okay, well, what we're
8 starting to do, is look back over the last several days
9 to look to see if we can get an existing real world weather
10 pattern, which will take it, pretty much, (b)(5)

11 (b)(5)

12 We've already identified one, (b)(5)

13 (b)(5)

14 And this is gridded
15 meteorological data. I'm not (indiscernible) sharing
16 it with NRC, I'm not sure in what format we can share
17 that with.

18 MALE PARTICIPANT: We don't care.

19 RANDY SULLIVAN: I don't know that we care,
20 other than, does that account for elevation? In other
21 words, does that strictly a high level, or a high elevation
22 release, that patterns across the Pacific, or does it
23 take into account ground level releases that have
24 fluctuated over those last several days?

25 KEVIN FOSTER: It is simply a three
dimensional gridded weather pattern that will take the

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1 material that (b)(5)

2 (b)(5)

3 (b)(5)

4

5

6

7

8

RANDY SULLIVAN: Right.

(b)(5)

9

(b)(5)

10

(b)(5)

So if you did have wind more ground level or low

11

elevation wind pattern fluctuating across the compass.

12

KEVIN FOSTER: Oh, yes, and --

13

RANDY SULLIVAN:

(b)(5)

14

(b)(5)

15

16

17

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19

20

KEVIN FOSTER: Absolutely.

(b)(5)

21

(b)(5)

22

23

24

25

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(b)(5)

RANDY SULLIVAN: I'm a little bit perplexed.

I'm understanding you to say that you've been directed
to do a worse case, hypothetical calculation.

KEVIN FOSTER:

(b)(5)

(b)(5)

RANDY SULLIVAN: I understand what worse
case is. Give us a second here, please.

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RANDY SULLIVAN: I mean, you're absolutely
directed to do that?

KEVIN FOSTER: That was the request --

CHRIS SMITH: Let me speak to it. (b)(5)

(b)(5)

(b)(5)

RANDY SULLIVAN: Okay, we got that.

(b)(5)

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1 (b)(5) I guess, is the answer, right?

2 CHRIS SMITH: So I mean, I think, (b)(5)

3 (b)(5)

4
5
6 RANDY SULLIVAN: Well, really? How could
7 they have not gotten that message?

8 CHRIS SMITH: (b)(5)

9 (b)(5)

10
11 RANDY SULLIVAN: Yes. Right? I mean,
12 that's what we're modeling.

13 CHRIS SMITH: (b)(5)

14 (b)(5)

15
16 RANDY SULLIVAN: (b)(5)

17 (b)(5)

18
19 MALE PARTICIPANT: (b)(5)

20 RANDY SULLIVAN: (b)(5)

21 MALE PARTICIPANT: (b)(5)

22 (b)(5)

23 FEMALE PARTICIPANT: (Indiscernible) it
24 came from there (indiscernible).

25 MALE PARTICIPANT: (indiscernible) we're

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1 getting about 30 tomorrow.

2 FEMALE PARTICIPANT: Yes.

3 RANDY SULLIVAN: You sure about that?

4 MALE PARTICIPANT: That's what the aerial

5 --

6 RANDY SULLIVAN: Oh, we have AMS data?

7 MALE PARTICIPANT: Yes.

8 CHRIS SMITH: Affirmative.

9 RANDY SULLIVAN: On the site?

10 MALE PARTICIPANT: Yes.

11 CHRIS SMITH: Correct.

12 RANDY SULLIVAN: Okay. Yes, we need to look.

13 And AMS is showing much lower levels.

14 CHRIS SMITH: Correct.

15 FEMALE PARTICIPANT: Yes.

16 CHRIS SMITH: So there is certainly a
17 recognition that we need to assume that this may have
18 happened, but at this point, we have no indication that
19 it actually has.

20 MALE PARTICIPANT: Okay. And let me ask
21 you another question, it sounds like meteorologically,
22 you're assuming a jet stream release.

23 CHRIS SMITH: So and I will admit, this is
24 one of those, we will need to look at the weather data,
25 before we finalize it, to ensure it's, we're not creating

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1 completely artificial weather pattern.

2 MALE PARTICIPANT: Right.

(b)(5)

3 (b)(5)
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10 CHRIS SMITH: So let me ask the question,
11 does your source terms provide any information on the
12 release height, or is that purely our code?

13 MALE PARTICIPANT: No, well, hold on one
14 second, I believe ours does, but hold on one second.
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8 MARCH 18, 2011

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(CONFERENCE CALL INITIATED)

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LORI: This is Lori, may I have the conference
you're joining?

VINCE HOLAHAN: The White House briefing
call, please.

LORI: And may I have your name?

VINCE HOLAHAN: Vince Holahan, in the
Operations Center, at the Nuclear Regulatory Commission.

LORI: Okay, sir. And, Holahan, is that
H-O-L-I-H-A-N?

VINCE HOLAHAN: H-O-L-A-H-A-N.

LORI: Okay.

VINCE HOLAHAN: Thank you.

LORI: And you said you're with the Nuclear
Regulatory?

VINCE HOLAHAN: That's Nuclear Regulatory
Commission, NRC.

LORI: Okay. Thank you, very much, sir.
And then, one last question for you, they are also
requesting a business phone number for you.

VINCE HOLAHAN: That number would be area
code 301-816-5419.

LORI: Thanks, sir. Your line is on a music
hold, they'll be getting under way shortly.

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VINCE HOLAHAN: Thank you.

LORI: You're welcome.

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GREG: Ladies and Gentlemen, thank you for standing by, and welcome to the White House briefing.

At this time, all participants are in a listen only mode. Later, we will conduct a question and answer session.

Instructions will be given at that time.

Should you require assistance during the call, please, press star, then zero. I would now like to turn the conference over to our host, (b)(6)

(b)(6)

Please, go ahead, ma'am.

(b)(6)

Thanks, very much, Greg.

Thanks, all of you, for joining us on the call today.

For those of you, who were part of our briefing yesterday, from the West Coast States and Territories, as well as, Hawaii and Alaska, from Governors' offices, you should know that, on today's call is also including members of the Congressional Delegation. They've had the same briefing that you all had yesterday.

And today we're going to focus on a range of issues that have come up, that were, you know, concerns, in places where folks had questions. We have with us today, Secretary Tom Vilsack, of the U.S. Department of Agriculture, FDA Commissioner Dr. Margaret Hamburg, NOAA Administrator Dr. Jane Lubchenco, OFDA Director,

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1 from USAID, Mark Bartolini, and Deputy Commissioner of
2 DHS Customs and Border Patrol, David Aguilar, and they're
3 going to talk us through a range of issues. So with
4 that, let me ask, Secretary Vilsack, to lead us off.
5 Mr. Secretary.

6 SECRETARY TOM VILSACK: Thank you. And,
7 certainly, appreciate the opportunity to visit with you,
8 today. You know, I know that many of your citizens are
9 probably asking a number of questions, concerning the
10 tragedy that's taking place in Japan.

11 And I wanted to make sure, that I was on
12 this call today, to reassure you, so that you, in turn,
13 can reassure your citizens, that we have no reason, at
14 USDA, to suggest that any of the products that we regulate,
15 which would be meat, poultry, dairy, or processed egg
16 products, are unsafe for consumption, due to the recent
17 events in Japan.

18 First of all, you need to know, that our
19 food imports from Japan are very, very, very limited.

20 In fact, we have very limited meat imports, because
21 of a ban, that took place last year, on most beef from
22 Japan.

23 That, which we do allow for import, in terms
24 of other products, must meet safety standards, that we
25 establish in this country, and they're verified in Japan,

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1 as being equal to, or better than U.S. standards, in
2 terms of what comes into our country from Japan.

3 We monitor, and we inspect imports, to ensure
4 compliance with those standards. And, obviously, should
5 we believe that any risk with imports arises, we have
6 procedures and processes in place, to identify the
7 problems and to deal with them at that time.

8 We're going to continue to offer aid and
9 assistance to the Japanese, but we understand and
10 appreciate, that our responsibility is, obviously, to
11 our core mission, as well, which is to make sure that
12 food, which is given to our citizens remains safe, abundant,
13 and affordable.

14 So again, no reason to suggest, today, or
15 in the foreseeable future, that we will have any problem
16 with meat, poultry, dairy, or processed eggs, consumed
17 by our citizens.

18 And that, we, to the extent that imports
19 from Japan are coming in, that we regulate, they're quite
20 limited, and they are required to meet safety standards,
21 that we establish, and we monitor and inspect for the
22 compliance with those standards.

23 (b)(6)

Thank you, Mr. Secretary.

24 Now, we'll move to Dr. Margaret Hamburg, Commissioner
25 of the FDA.

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1 DR. MARGARET HAMBURG: Thank you. And I
2 will just echo the words of Secretary Vilsack, in terms
3 of our efforts to really work together, to monitor the
4 situation and reduce any safety concerns.

5 But, at the present time, the domestic food
6 supply, there really is no indication that there will
7 be any issues of contamination, but we'll continue to
8 monitor.

9 And with respect to the imported food supplies,
10 FDA regulates a number of important food commodities.

11 But, again, just like with Agriculture, it's a limited
12 amount of imports.

13 And we know, specifically, what those
14 imported goods are, where they're being manufactured,
15 and we will be monitoring them carefully, and targeting
16 efforts, to ensure ongoing safety, working with CBP at
17 the borders, and working with our sister Regulatory
18 Authorities, including the Japanese Regulatory
19 Authorities, so that we'll get early warning, if there's
20 any indication of a problem, whatsoever.

21 But we have screening system in place, that
22 we use everyday, to target commodities, as they come
23 in, on the basis of risk. We'll be putting special effort
24 into monitoring those commodities coming from the area
25 around the nuclear facility.

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1 And we will, certainly, be keeping all of
2 you informed, should any issues emerge. But, at the
3 present time, there are not commodities coming in from
4 that region, food commodities, and as they start to stand
5 up again, as the infrastructure gets put back in place,
6 we'll be monitoring closely.

(b)(6)

7 Thank you, very much. Dr.
8 Lubchenco, we'll turn to you, for the report from NOAA,
9 please.

10 DR. JANE LUBCHENCO: Thanks, Cecilia.
11 Hello, everyone. Thank you, for this opportunity to
12 share some information with you. I want to highlight
13 four of the different ways that NOAA has been providing
14 information and services, that are directly relevant
15 to some of your interests.

16 And I want to begin by thanking many of you,
17 and your communities, with whom NOAA has partnered.
18 As you know, we issued tsunami warnings and advisories
19 for this event.

20 And thanks to the good partnerships we have
21 with many of your communities, those communities, I think,
22 benefitted from this warning system, that was in place,
23 and I think that, undoubtedly, saved many lives.

24 So this is a shout out to communities,
25 especially, those that have participated in our Tsunami

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1 Ready Program, to help avoid even more catastrophe.

2 The second service that we've been providing,
3 is weather information for Japan, and elsewhere. But
4 relative to this event, weather is directly relevant
5 to two different key issues.

6 One is the response and humanitarian efforts,
7 that are ongoing in Japan. And two, is to better understand
8 the potential for transport of radiation that was released
9 into the air.

10 And I want to give you a sense of how dynamic
11 the weather has been. For example, right now, it's
12 Saturday morning in Japan. The weather has been, and
13 is expected to continue to be quite variable.

14 And I want to focus on the winds and the
15 rain, for just a moment here, to give you some sense
16 of what's happening. Today, in Japan, the winds are
17 about ten miles per hour, and they're blowing from the
18 land out to the ocean. So we call that offshore.

19 And then, tonight, they're expected to shift
20 around to blowing onshore. And they'll stay onshore
21 until Tuesday, when they'll alternately blow along the
22 coast and offshore, Tuesday, Wednesday, and Thursday.

23 And so if you're following that, you're
24 hearing a pattern of back and forth, back and forth,
25 to the land, to the ocean, to the land, to the ocean,

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1 and that's been, pretty much, what has happening.

2 And in addition to that, light rain is
3 expected by Sunday night, and continuing into Monday
4 and Tuesday. And the effect that any precipitation,
5 be it rain or snow, has, is to bring some of the radiation,
6 that might be in the air, down out of the air.

7 So I think, that weather information, again,
8 is useful to understand, not only what's happening there,
9 but how what's happening in Japan, may potentially effect
10 elsewhere across the Pacific. Weather updates are
11 provided frequently to both U.S. agencies working on
12 the response, but also to the international community.

13 The third one, that I want to flag for you,
14 is that to compliment what Commissioner Hamburg said,
15 about monitoring of seafood, we at NOAA are interested
16 in understanding the long-term impacts to fish and
17 wildlife, that any radiation deposited in the ocean might
18 have, even if it's fairly minor.

19 And we understand, that this will require
20 international collaborations and scientific research
21 and monitoring. And this is an area that, we believe,
22 will be very helpful in identifying any future areas
23 to be concerned about, or not, and simply having that
24 information should be useful.

25 And finally, I want to highlight one of the

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1 efforts that's underway along the U.S. West Coast,
2 specifically, in California, right now. As many of you
3 know, there were a number of harbors in California and
4 Oregon that suffered significant damage, as a result
5 of the tsunami.

6 NOAA has two boats, that are equipped with
7 the capacity to do side scan sonar, and to map debris
8 that is on the bottom of the harbor. And that information
9 is vitally useful in guiding the salvage and cleanup
10 response efforts in those harbors.

11 We currently have a boat in Crescent City
12 and one in Santa Cruz, that are in the process of doing
13 this mapping. And, typically, what happens, we've done
14 this, for example, post-Katrina, and also in Haiti.

15 And in both of those instances, what typically
16 happens is, that we identify where items are, whether
17 it's pieces of pier, or boat, or stuff from the land.

18 And then, after some of the salvage takes
19 place, go back in, and make sure that, in fact, all of
20 it has been removed, with the goal of restoring safe
21 navigation into and out of those places, that were damaged.

22 So that's a brief recap of four areas where NOAA has
23 been contributing to very aggressive federal response
24 to this disaster.

25 (b)(6)

Thanks, very much, Dr.

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1 Lubchenco. Now, we'll turn to Mark Bartolini, from USAID.

2 Mark, you with us? You might be muted.

3 MARK BARTOLINI: Can you hear me?

4 (b)(6)

Yes, now we can.

5 MARK BARTOLINI: Okay, sorry. I'm the
6 Director of the Office of Foreign Disaster Assistance.

7 And we are the lead agency for coordinating U.S.
8 Government response to internal disasters. And I thought
9 I would just give you a very brief overview tonight of
10 what we are doing in Japan.

11 (b)(5)

12 (b)(5)

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(b)(6)

Thanks, very much, Mark.

8

And our final speaker, before we get to questions, is

9

Deputy Commissioner David Aguilar, from CBP.

10

DAVID AGUILAR: Thank you,

(b)(6)

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(b)(5)

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1 just a second, whether it is the traveler, whether it
2 is luggage, baggage, or cargo, it is isolated, we implement
3 response protocols, that have been in place since 2001,
4 after 9/11.

5 If there is a reflection of an elevated level
6 of radiation detection, we coordinate with our Laboratory
7 Science and Services branch within CBP, and of course,
8 with other appropriate response authorities, in order
9 to take any action.

10 I will let you know, that to date, no
11 passengers, and I repeat, no passengers on planes, or
12 otherwise, have activated any of our detection devices
13 that we have at the airports.

14 The second environment, in which we deal
15 with, of course, is the Maritime, the cargo environment
16 coming through on Maritime. Approximately 80 percent
17 of the Maritime cargo, from Japan, arrives at three major
18 seaports on the West Coast. Those being, LA/Long Beach,
19 which accounts for 50 percent of the Maritime
20 containerized cargo, Seattle/Tacoma, and Oakland.

21 Now, we average about 1,166 containers a
22 day, arriving from Japan. For March, we expect
23 approximately 36,150 containers. The reason I quote
24 that, is because I want to reassure you, that our protocols
25 and processes in place, allow us to scan for radiation

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1 over 99 percent of the containers, that arrive, and will
2 leave our Maritime seaports. So we round it out to 100
3 percent. The exact figure, again, is 99.4 percent. Just
4 as information, ports shipping out of Japan are Kobe,
5 Nagoya, Tokyo, and Yokohama.

6 Now, as to our detection capabilities. Each
7 one of our officers, that meets arriving flights, or
8 at the Maritime seaports, carry, what we refer to as,
9 personal radiation detection devices.

10 Highly sensitive, to the point that they
11 will, actually, and have picked up in the past, medical
12 treatments, such as for thyroid, stress test, full body
13 CAT scans, and some cancer treatments. I point that
14 out, because they are very sensitive devices.

15 In the event that the devices go off, we
16 will then use, what we refer to as, Radiation Isotope
17 Identification Devices, which we refer to as RIDs. Those
18 will help us isolate the source, and actually identify
19 the source and the level of the radiation. At that point,
20 we will activate protocols from the experts, as to what
21 we do, on either the cargo or the passengers.

22 And again, I want to reiterate, to date,
23 there have been no passengers that have activated any
24 of our devices. At the Maritime seaports, we have the
25 radiation portal monitors, which are large scale, very

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1 sensitive RPMs.

2 As I said, about 100 percent of all Maritime
3 containerized cargo will pass through those RPMs, before
4 they make their way into the United States.

5 At any point that any one of these devices
6 go off, we have reach-back capability to scientific labs,
7 to the CDC, for it to take the appropriate actions, upon
8 the activation, the determination of what is hitting
9 on these devices.

10 I will close out, only with a following,
11 that to date, there have been a total of 50 activations,
12 that we attribute, possibly, to Japan, and they fall
13 within the following modes of transport, 29 in cargo,
14 2 in conveyances, 12 in mail, and 7 in baggage. Again,
15 reiterating, for the third time, that no passengers,
16 at this point, have activated any of our detection
17 capabilities.

18 (b)(6)

Thank you, Commissioner.

19 So, Greg, if you could, give us instructions, please,
20 on how folks can ask questions of our speakers.

21 GREG: Thank you, Ms. Munoz. Ladies and
22 Gentlemen, if you'd like to answer a question, please,
23 press star, then one, on your touch tone phone. You
24 will hear a tone indicating you have been placed in Que.

25 And you may remove yourself from Que, at

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1 any time, by pressing the pound key. If you're using
2 a speaker phone, please, pick up the handset before
3 pressing the numbers.

4 (b)(6) And while we're waiting for
5 the questions to Que up, I should also just mention,
6 that Assistant Secretary for Insular Areas, Tony Babauta,
7 is also on the line with us, and can respond to questions,
8 if there are any. With that, do we have a question?

9 GREG: Wedo. First from the line of Governor
10 Fitial, from the Northern Mariana Islands. Please, go
11 ahead.

12 (b)(6) Hi, Governor.

13 GOVERNOR FITIAL: Hi, Cecilia. And, David
14 Aguilar, I'm very pleased to hear your voice again.
15 Thank you for accommodating me and my delegation the
16 last time we met in your office.

17 Anyway, I have a question, but I would like,
18 first, to ask my Lieutenant Governor, Eloy Inos, you
19 know, to pose some very, you know, sensitive questions.

20 ELOY INOS: Are we on the line?

21 GOVERNOR FITIAL: Yes.

22 (b)(6) We can hear you.

23 ELOY INOS: Hello, everybody. This is
24 Lieutenant Governor Eloy Inos, from the Northern Marianas.

25 (b)(5)

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(b)(5)

SECRETARY TOM VILSACK: Governor, this is

Tom Vilsack, USDA Secretary.

(b)(5)

(b)(5)

(b)(6)

Thank you, Mr. Secretary.

Lieutenant Governor, do you have anything --

GOVERNOR FITIAL: Yes, this is the Governor
Fitia.

(b)(6)

Yes, Governor.

GOVERNOR FITIAL: I understand from, you
know, David Aguilar,

(b)(5)

(b)(5)

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(b)(5)

DAVID AGUILAR: Governor, first of all, it's good to talk to you, again, it was good to have you up here with us, in our offices. And, Governor, as we know, and as we have spoken before, that customs and agricultural responsibility still resides with the CNMI, the local government.

Of course, anything that we can do, to assist you there, we would actually look forward to helping you out in any way, that we can, there. On the passenger side, any passenger arriving into the CNMI.

Because we have that responsibility, we do carry, all of our officers carry the PRDs, the personal radiation detection devices, that I just described. And also, carry them into the baggage area and to have the availability of the RIDs, that I described, the actual

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1 Radiation Isotope Identification Devices.

2 And again, I would reiterate, that anything
3 that we can do to assist in the customs and agricultural
4 responsibility, that still resides with your government,
5 we would look forward to assist, in any way that we can.

6 GOVERNOR FITIAL: Thank you, David. (b)(6)

7 (b)(5)

8 (b)(6)

9 Can I ask Dr. Lubchenco --

10 GOVERNOR FITIAL:

(b)(6)

11 (b)(5)

12 (b)(6)

Governor, let me ask Dr.

13 Lubchenco, to see if she can address (b)(5)

14 (b)(5)

15 DR. JANE LUBCHENCO: Governor, this is Jane

16 Lubchenco. It's nice to talk with you by phone. (b)(5)

17 (b)(5)

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(b)(5)

COMMISSIONER HAMBURG: Yes, this is

Commissioner Hamburg, from the FDA. (b)(5)

(b)(5)

GOVERNOR FITIAL: Cecilia, thank you. I

have two more questions. You know, first, it's the

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(b)(5)

(b)(6)

Dr. Lubchenco?

DR. JANE LUBCHENCO: Governor,

(b)(5)

(b)(5)

GOVERNOR FITIAL: Okay. My last question,

Cecilia,

(b)(5)

(b)(5)

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(b)(5)

(b)(6)

Thank you, Governor. This

is Cecilia.

(b)(5)

(b)(5)

(b)(5)

Thanks, sir.

GOVERNOR FITIAL: Okay, Cecilia,

(b)(5)

(b)(5)

(b)(6)

I look forward to that,

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1 Governor, thank you.

2 GOVERNOR FITIAL: Okay.

3 (b)(6)

4 Greg, do we have another
question?

5 GREG: Yes, it's from the line of Franklin
6 Areola, from the U.S. Territory of Guam. Please, go
7 ahead.

8 GOVERNOR CALVO: Thank you. Hello. Good
9 morning. This is Governor Calvo, from Guam.

10 (b)(6)

Hi, Governor.

11 GOVERNOR CALVO: Hi. In fact, I'm the second
12 closest neighbor to Japan, after the Northern Marianas.

13 Some of the questions I do have, again, are a little
14 bit related, and I need clarification.

15 We get about ten to 15 flights in from Japan,
16 on a daily basis. So it's interesting, I didn't realize
17 how much Guam has a certain percentage of those flights
18 that are coming into the United States.

19 But with those ten to 15 flights, aside from
20 the Japanese tourists, we are receiving air cargo
21 specifically a lot of produce, fresh produce through
22 hydroponics farming in Japan, such as strawberries,
23 persimmons, and the like, products.

24 We are also, and this is where there's an
25 interesting situation, we get a lot of tuna coming in,

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1 (b)(5)
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8 MALE PARTICIPANT:

(b)(5)

9 GOVERNOR CALVO:

(b)(5)

10 (b)(5)
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17 (b)(6)

Okay.

18 GOVERNOR CALVO: The other thing is,

(b)(5)

19 (b)(5)
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1 will go out. It is more for personal safety, for Coast
2 Guardsmen, rather than actual detection devices.

3 So I'm, again, I'm making an official request
4 for the expedition of the necessary equipment and devices
5 for both our Coast Guard officials, as well as, folks
6 in our airports.

7 And just to let you know, we do have a ship
8 coming in from Japan, from Naha, in March 26th, and there
9 was a passenger vessel coming in, this is one of those
10 cruise liners, coming in April 6th.

11 Also, I note that there was a discussion
12 made, earlier, on the weather patterns, and how erratic
13 they are, both blowing outward and inward into Japan.

14 Now, I'm not no meteorologist, but we are
15 1,400 miles directly, a little bit directly North, I
16 mean, South of Japan. But, the weather patterns that
17 had been presented yesterday, and also what was presented
18 in the news today, which was coming out of the Federal
19 Government, shows winds blowing Easterly towards North
20 of Hawaii and, of course, California.

21 Now, I'm just figuring, if these winds are
22 going one way, and then going 180 degrees the other way,
23 should there be a new recalculation of those wind patterns
24 because of that tremendous variance, what that means
25 towards the Territories, such as Guam and the Northern

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1 Marianas? So that's another question.

2 These are more for informational purposes.

3 We did get some assurances, and in fact, we're watching
4 it on the news, that Japan is providing some sort of
5 a mitigation or detection coming out of Japan, for
6 passengers and cargo.

7 We would like, and this is both for
8 understanding for our local government and the public,
9 more explanation and details in what those measures are
10 that are being implemented by the government of Japan.

11 And, if they do have some published best
12 practice protocols, or containment, or mitigation
13 measures, in dealing with these passengers, cargo, and
14 vessels, we'd like to know that.

15 We'd also like, from the Federal Government,
16 if there are any real time, or official releases, or
17 write-ups, from either the government of Japan, or the
18 U.S. Government, we'd like to be connected.

19 And then, finally, and there's just two
20 questions. We had our last briefing yesterday, where
21 we had our National Guard Units as part of that briefing.

22 In the unlikely event of radiation
23 contamination, we do believe, there are certain elements
24 that our National Guard have for more localized treatment,
25 when it comes to hazardous material or contamination.

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1 have at this point. Thank you.

2 (b)(6)

3 Thank you, Governor. This
4 is Cecilia. I've been taking notes. Let me just quickly
5 address the last three, and then we'll take them one

6 at a time. (b)(5)

7 (b)(5)
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(b)(5)

DR. MARGARET HAMBURG: That, actually,

(b)(5)

(b)(6)

Oh, thank you. Sorry about

that.

DR. MARGARET HAMBURG: Oh, that's okay.

You know, I think that there are a number of ways in which we could be helpful. One is, I think, that it would be extremely useful if you could identify, from your office, a contact person, for us.

(b)(5)

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(b)(5).

GOVERNOR CALVO: I want to answer that.

It'll be Frank Arriola, my Chief of Staff. And why consider

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(b)(5)

DR. MARGARET HAMBURG: Yes.

(b)(6)

Okay. That's great.

DR. MARGARET HAMBURG:

(b)(5)

(b)(5)

(b)(6)

Great. Thank you. I want

to, also, make sure that we address the Governor's question

(b)(5)

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1 DAVID AGUILAR:

(b)(6)

I'll address the

2 Governor's questions,

(b)(5)

3 (b)(5)

4
5 --

6 GOVERNOR CALVO:

(b)(5)

7 DAVID AGUILAR: -- are screened, by way of
8 the PDRs, that the officers are wearing, and secondarily,
9 we have the RIDS available at the airport, also.

10 As to the Guam Customs, I'm going to direct
11 our people there to go speak to your Guam Customs Officers,
12 to discuss what the needs will be in the area of detection
13 devices, in order to assist in any way that we can.

14 GOVERNOR CALVO: Thank you, so much.
15 Because, in fact, I'm here with officials that are dealing
16 with the Customs, both U.S. and Guam and the Coast Guard,
17 and I've been, one thing is for sure, there is no screening
18 occurring right now, through U.S. Customs, for cargo
19 or mail, so we're going to need that assistance, both
20 from that standpoint and Guam Customs, as well.

21 DAVID AGUILAR: All right, sir. We will
22 ensure that our people speak to Guam Customs, and get
23 that taken care of, as quickly as possible.

24 (b)(6)

Thank you. And then, you

25 also had a question, about weather patterns, and let

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1 me ask Dr. Lubchenco, to speak to that.

2 DR. JANE LUBCHENCO: Hello, Governor Calvo.

3 You are correct, the weather is variable, which is why
4 we are monitoring it closely, and modeling it, to
5 understand if there's any potential for concern.

6 As of now, the levels of radiation are likely
7 to be minuscule and not of concern for human health.
8 But, out of an abundance of caution, the Environmental
9 Protection Agency, EPA, has a series of monitoring devices
10 in place called RadNet, and I believe, that they are
11 in the process of working to set up some new monitoring
12 stations.

13 And it was my understand, but (b)(6) will
14 need to verify this, if she can, that there have been
15 discussions about having one in Guam. Cecilia, if you
16 know anything more current and recent about that, that
17 would be useful. If not, perhaps, we could put the
18 Governor's staff in touch with EPA, to know for sure.

19 (b)(6)

(b)(5)

20 (b)(5)
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1 GOVERNOR CALVO: Yes. I want to thank you
2 all. So there are some interesting times right now.
3 You know, I talked to the Admiral yesterday, in fact,
4 elements of an air wings out of the George Washington
5 will be, or have been arriving, in Anderson Air Force
6 Base over the past 24 hours.

7 There's a movement about 1,100 sailors to
8 Guam, as a result of issues that are occurring over there,
9 and there's probably more dependents coming. There is
10 a likelihood of more U.S. Forces being transferred or
11 moved to Guam.

12 So that is why I think it is so important,
13 not only for the Territory, but also for U.S. strategic
14 interests, that you look at Guam and the Northern Marianas
15 and make sure that even a worse case scenarios they are
16 taken to account, and if that does ever happen, then
17 there is a response.

18 (b)(6)

Understood, Governor.

19 Thank you. I understand, we have one more question?

20 GREG: Yes, we have a follow-up from the
21 line of Governor Fitiaf. Please, go ahead, your line
22 is open.

23 (b)(6)

Governor.

24 GOVERNOR FITIAF: Lieutenant Governor, he
25 will be the contact person on this end.

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(b)(6)

Oh, so you know, let me just respond to that, because again, the Office of Intergovernmental Affairs has contacts with all of your offices.

(b)(5)

GOVERNOR FITIAL: Okay, thank you, (b)(6)

(b)(5)

(b)(6)

Thank you, very much. Greg, do we have any additional questions?

GREG: We have no further questions in Que.

If you have any additional questions, please, press star one.

(b)(6)

So if not, let me thank all of our briefers, all of the folks who took the time to be on this call. We very much appreciate what you're doing.

And thank, all the participants, both from Governors' offices, as well as, the Congressional Offices,

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1 that participated today. We will follow-up on th is
2 call and continue to send out, as the Governor requested,
3 real time press releasers and other information, as it
4 becomes available.

5 Our offices, the Intergovernmental Affairs
6 Office and the White House, but also, the Legislative
7 Affairs Team from the White House, will continue to be
8 in touch with your offices, to respond to any questions
9 and concerns. We really appreciate everyone's
10 participation in the briefing today. Thank you, very
11 much.

12 GREG: Ladies and Gentlemen, that does
13 conclude our conference for today. Thank you for your
14 participation and using AT&T Executive Teleconference
15 Service. You may now disconnect.

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(CONFERENCE CALL INITIATED)

0%G7C9!L15365094

(Foreign language.)

MALE PARTICIPANT: Hi.

MALE PARTICIPANT: Do you all know what the status is? This is (indiscernible, possibly "Don Denno from Rising Star").

(Rest of audio in foreign language, unable to transcribe.)

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(CONFERENCE CALL INITIATED)

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(Audio was recorded in foreign language,
on the above-referenced phone line on the above-referenced
date, unable to transcribe.)

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(CONFERENCE CALL INITIATED)

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MALE PARTICIPANT: I've been calling this
guy, he's in a meeting.

(Foreign language.)

MR. JOVEL (phonetic): Oui, hello?

MALE PARTICIPANT: Oui.

MR. JOVEL: Oui.

MALE PARTICIPANT: Is NRC (foreign language),
Masseur Jovel (phonetic).

MR. JOVEL: (Foreign language), just a
minute, excuse me.

MALE PARTICIPANT: Thank you.

MALE PARTICIPANT: Oui (foreign language)
bon-jour, (foreign language).

MALE PARTICIPANT: Is he really going to
do this in French?

MALE PARTICIPANT: I don't understand him.

MALE PARTICIPANT: No, no, I'm going to turn
it into English.

MALE PARTICIPANT: Okay.

MALE PARTICIPANT: I just want to find out
the (indiscernible).

MALE PARTICIPANT: Yes.

MALE PARTICIPANT: (Indiscernible)

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1 reaching an American that speaks your language.

2 (Foreign language.)

3 MALE PARTICIPANT: The last name, the last

4 --

5 MALE PARTICIPANT: Everything else is great,
6 just check the last --

7 (Foreign language.)

8 MALE PARTICIPANT: I know. Let me finish
9 this one, he's put me on hold, (indiscernible) they were
10 putting out some doses for thyroid in Tokyo that's way
11 beyond their (indiscernible).

12 (Foreign language.)

13 MALE PARTICIPANT: Where did the French get
14 their information from?

15 MALE PARTICIPANT: With what, we're
16 learning.

17 (Foreign language.)

18 MALE PARTICIPANT: Okay.

19 (Foreign language.)

20 MR. JOVEL: Okay, I can try in English, and
21 if I have some problem, perhaps, you can help me, okay?

22 MALE PARTICIPANT: Oui, oui.

23 MALE PARTICIPANT: Okay.

24 MR. JOVEL: In fact, I suppose, you want
25 to discuss about the status of the reactor (indiscernible,

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1 possibly "on pools"), on the Fukushima 1?

2 MALE PARTICIPANT: Oui, oui.

3 MR. JOVEL: Okay.

4 MALE PARTICIPANT: Actually, (foreign
5 language).

6 MR. JOVEL: Okay. Oh, it's specific
7 question about (indiscernible), okay?

8 MALE PARTICIPANT: Oui.

9 MR. JOVEL: Okay. So I can (indiscernible)
10 call somebody, which is in charge of this specialty,
11 because it's better for (indiscernible, possibly "us").
12 Just a minute.

13 MALE PARTICIPANT: Okay.

14 (Foreign language.)

15 MR. JOVEL: Hello? Hello?

16 MALE PARTICIPANT: Oui.

17 MR. JOVEL: Bon-jour, sir.

18 MALE PARTICIPANT: Bon-jour.

19 (Foreign language.)

20 MALE PARTICIPANT: So is (indiscernible)
21 French?

22 MALE PARTICIPANT: We're in trouble. They
23 actually measured (indiscernible) thyroid.

24 (Foreign language.)

25 MALE PARTICIPANT: Oui.

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1 (Foreign language.)
2 MALE PARTICIPANT: Oui.
3 (Foreign language.)
4 MALE PARTICIPANT: Oui.
5 (Foreign language.)
6 MALE PARTICIPANT: Oui, thank you.
7 (Foreign language.)
8 MALE PARTICIPANT: Oui.
9 (Foreign language.)
10 MALE PARTICIPANT: Oui, thank you.
11 (Foreign language.)
12 MALE PARTICIPANT: Oui.
13 (Foreign language.)
14 MALE PARTICIPANT: Oui. (Foreign
15 language.)
16 MALE PARTICIPANT: Oui.
17 MALE PARTICIPANT: Can you find out where
18 he measured this?
19 MALE PARTICIPANT: Yes, where. Actually,
20 excuse me (foreign language).
21 MALE PARTICIPANT: Oui, oui (foreign
22 language).
23 MALE PARTICIPANT: It's a Japanese
24 government agency that actually collects data, very
25 reliable, and there's all kinds of data, and they collect

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1 it to save air time.

2 MALE PARTICIPANT: Yes, that's --

3 MALE PARTICIPANT: Yes.

4 MALE PARTICIPANT: -- we can use it to model

5 --

6 MALE PARTICIPANT: Yes.

7 MALE PARTICIPANT: -- if we know the
8 location.

9 MALE PARTICIPANT: Yes.

10 MALE PARTICIPANT: We have to know the
11 location.

12 MALE PARTICIPANT: Yes.

13 (Foreign language.)

14 MALE PARTICIPANT: Okay, yes, by email, if
15 we give our email --

16 MALE PARTICIPANT: Okay.

17 MALE PARTICIPANT: -- they'll give us
18 (indiscernible).

19 (Foreign language.)

20 MALE PARTICIPANT: Oui, oui.

21 MALE PARTICIPANT: Okay, I'll write that
22 down.

23 MALE PARTICIPANT: CMT12 (indiscernible).

24 MALE PARTICIPANT: All right, he's got to
25 use that one, and go there.

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1 MALE PARTICIPANT: Okay.

2 (Foreign language.)

3 MALE PARTICIPANT: Oui, (foreign language).

4 (Foreign language.)

5 MALE PARTICIPANT: Oui.

6 (Foreign language.)

7 MALE PARTICIPANT: Thank you.

8 (Foreign language.)

9 MALE PARTICIPANT: Oui.

10 (Foreign language.)

11 MALE PARTICIPANT: Oui.

12 (Foreign language.)

13 MALE PARTICIPANT: Oui, thank you.

14 MALE PARTICIPANT: Oui (foreign language).

15 MALE PARTICIPANT: Absolutely, oui.

16 (Foreign language.)

17 MALE PARTICIPANT: Oui, oui.

18 MALE PARTICIPANT: (Foreign language) I can
19 send to you, in fact, in France, we deliver (indiscernible)
20 message about the (indiscernible) of the reactor on the
21 pools, and we have detailed the elements, it's a fact
22 sheet, three or four sheets. If you want, I can send
23 it to you by email, but with the condition, it's only
24 for you, a work document, okay?

25 MALE PARTICIPANT: Yes, we understand, and

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1 my colleagues here are nodding in agreement. That would
2 be very helpful, if you would be able to send that.

3 MALE PARTICIPANT: Yes, okay. It's only
4 for, only internal use for you.

5 MALE PARTICIPANT: We understand.

6 MALE PARTICIPANT: But it's quite useful,
7 we have (indiscernible) about the situation.

8 MALE PARTICIPANT: That would be very
9 helpful.

10 MALE PARTICIPANT: So I send it to you, as
11 soon as possible, at your email address. And as you
12 speak French, I think, for you, it will be quite easy
13 to (indiscernible).

14 In fact, you have the state of the core on
15 each reactor, as we understand, in fact, because it's
16 not quite reliable information, so we have made
17 (indiscernible) on each reactor on about the status of
18 the water or filling.

19 And so we have also the state of each pool
20 with the number of fuel in the pool on the (indiscernible)
21 on the point of (indiscernible) about boiling.

22 We have also, what (indiscernible) call
23 (indiscernible) on, you'll see on this sheet there is
24 the release (indiscernible, possibly "real self stem"),
25 which is caused by the reactor, which has been run since

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1 several days.

2 And we have also, on the political self stem
3 on the pool Number 3, it's quite (indiscernible) yes,
4 it's not real, yes? On all the information on our website
5 on the real self stem. Okay?

6 MALE PARTICIPANT: Yes. Yes.

7 MALE PARTICIPANT: Okay.

8 MALE PARTICIPANT: That's very helpful.

9 Now, I --

10 MALE PARTICIPANT: Okay, I send this to you,
11 and perhaps, if you have from your side some information,
12 you can make exchange. And we apply the same limitations
13 about distribution of your information, because it's
14 important to have a good exchange to maintain the technical
15 information as a work document. Okay?

16 MALE PARTICIPANT: Yes. Yes. That's --

17 MALE PARTICIPANT: Okay.

18 MALE PARTICIPANT: I would definitely,
19 (indiscernible), I will verify this with our Executive
20 Team, which is behind me. I will inform them of your
21 offer, and we really appreciate your offer.

22 MALE PARTICIPANT: Okay.

23 MALE PARTICIPANT: And see if we can also
24 reciprocate, and that would be very helpful to have
25 (indiscernible).

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1 MALE PARTICIPANT: Okay. Just a question,
2 how did you find our phone number?

3 MALE PARTICIPANT: Masseur Oliver
4 (indiscernible).

5 MALE PARTICIPANT: Oh, okay, okay. So don't
6 hesitate to call, because we are 24-hour presence at
7 this calling center. This phone number is (indiscernible)
8 if you have some question or information, don't hesitate
9 to call us. And, I think, we have, also, your phone
10 number, it's 301-165419, it's correct?

11 MALE PARTICIPANT: Did you call that number?

12 MALE PARTICIPANT: No, I gave him the number.

13 MALE PARTICIPANT: No.

14 MALE PARTICIPANT: I've heard that number
15 is not working.

16 MALE PARTICIPANT: Okay, so do you have a
17 better number for --

18 MALE PARTICIPANT: I got a better number.

19 MALE PARTICIPANT: Let's get a better number
20 for --

21 MALE PARTICIPANT: 5100.

22 MALE PARTICIPANT: Okay.

23 MALE PARTICIPANT: Can we just give the --

24 MALE PARTICIPANT: He can call us direct
25 (indiscernible).

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1 MALE PARTICIPANT: Okay.

2 MALE PARTICIPANT: But the bottom one is
3 that.

4 MALE PARTICIPANT: Okay. It's 301-816.

5 MALE PARTICIPANT: 01, yes, 816.

6 MALE PARTICIPANT: 5195.

7 MALE PARTICIPANT: 5, 51?

8 MALE PARTICIPANT: 95.

9 MALE PARTICIPANT: 95. On the, you are Mr.
10 (indiscernible)?

11 MALE PARTICIPANT: Oui, oui, yes.

12 MALE PARTICIPANT: Okay, okay. And on you,
13 our (foreign language). I give you our email address.

14 MALE PARTICIPANT: Yes.

15 MALE PARTICIPANT: It's (foreign language).

16 MALE PARTICIPANT: CTC?

17 MALE PARTICIPANT: Oui (foreign language).

18 MALE PARTICIPANT: Yes. Yes, capital
19 letters.

20 MALE PARTICIPANT: Yes, capital letter,
21 yes, (indiscernible).

22 MALE PARTICIPANT: ISN (foreign language).

23 MALE PARTICIPANT: Well, yes. On the, I
24 send you, also, the link to our website, while you can
25 see the (foreign language).

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1 MALE PARTICIPANT: Cloud. Cloud.

2 MALE PARTICIPANT: The cloud, yes.

3 MALE PARTICIPANT: The plume.

4 MALE PARTICIPANT: You can see that on our
5 website with all elements.

6 MALE PARTICIPANT: Thank you, very much.

7 MALE PARTICIPANT: Okay.

8 MALE PARTICIPANT: We really appreciate it.

9 MALE PARTICIPANT: Okay, thank you, very
10 much (indiscernible) I send you the document.

11 MALE PARTICIPANT: Thank you, so much Mr.
12 Jovel, and this is very kind of you.

13 MALE PARTICIPANT: Okay. Goodbye.

14 MALE PARTICIPANT: Goodbye.

15 MALE PARTICIPANT: I mean, good day.

16 MALE PARTICIPANT: Bye-bye.

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3 (No audio was recorded on the
4 above-referenced phone line on the above-referenced
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MALE PARTICIPANT: For, well, I don't know,
(indiscernible) right over here. This is
(indiscernible).

MALE PARTICIPANT: (Indiscernible) per hour
or --

MALE PARTICIPANT: (Indiscernible) for
something that might have --

MALE PARTICIPANT: Oh, you know, good point.
I don't know.

MALE PARTICIPANT: Yes.

MALE PARTICIPANT: I don't know what the
typography is.

MALE PARTICIPANT: Yes.

MALE PARTICIPANT: But you --

MALE PARTICIPANT: Very good. Very
interesting.

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OLIVER ISHUNT (phonetic): Hello?

RANDY SULLIVAN: Hello, this is the Nuclear
Regulatory Commission.

OLIVER ISHUNT: Yes, hello:

RANDY SULLIVAN: I believe, we're looking
for Oliver Ishunt (phonetic).

OLIVER ISHUNT: Yes, it's me, yes.

RANDY SULLIVAN: Hi, this is Randy Sullivan,
and Aby Mohseni, at the Nuclear Regulatory Commission,
in Washington, D.C., do you have a minute, to talk to
us?

OLIVER ISHUNT: Yes, of course.

RANDY SULLIVAN: Thank you. We understand
you're located in France, at IRSN.

OLIVER ISHUNT: I'm not in France, actually,
I've been deployed to Tokyo, so I'm in Japan, at the
French Embassy.

RANDY SULLIVAN: Excuse me, I'm mistaken.
Yes, of course.

ABY MOHSENI: We wanted to confirm some
calculations, or simulations, that IRSN had done, that
--

OLIVER ISHUNT: Okay.

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1 ABY MOHSENI: -- led you to some numbers,

2 I think,

(b)(5)

(b)(5)

4 OLIVER ISHUNT: Okay.

5 ABY MOHSENI: -- thyroid. And --

6 OLIVER ISHUNT: In Tokyo, you're talking
7 about, right?

8 ABY MOHSENI: Yes, in Tokyo.

9 OLIVER ISHUNT: Okay, right.

10 ABY MOHSENI: Is that correct?

11 OLIVER ISHUNT: I think so. It probably
12 wrong, but there is different simulation done with
13 different options, say, different if you're talking about
14 only the reactors and the state, and the prognosis of
15 those reactors, or if you're talking about simulations
16 (indiscernible, possibly "dot") includes the fact that
17 you will lose one of these pool where you have the spent
18 fuel.

19 ABY MOHSENI: Okay. Well, I assume, you
20 know, you use some realistic source terms to reach that
21 conclusion, is that correct, you had actual data, did
22 you use measured concentrations of air samples?

23 OLIVER ISHUNT: Actually, there is no, no,
24 no, no, it's on the prognosis source term there's no,
25 actually, there's no other Japan measured that can be

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1 used, especially disposition measures around the area
2 to compare with the calculations. The only thing that
3 is available, actually, is a (indiscernible, possibly
4 "seidozerite").

5 ABY MOHSENI: Okay. Now --

6 OLIVER ISHUNT: I've got a connection with
7 (indiscernible, possibly "NESA"), from the French Embassy,
8 and I've asked, from two days ago, and yesterday, and
9 today, if there is any disposition measured available,
10 and the response is, no.

11 ABY MOHSENI: Okay. Well, you know, part
12 of our curiosity here was, we're trying to assess
13 (indiscernible) of doses, as well.

14 OLIVER ISHUNT: Okay.

15 ABY MOHSENI: And we thought that your
16 projection might be too high, and if that is, you know,
17 we were wondering whether you were going to actually
18 issue a press release with those, then that would probably
19 raise a lot of questions. We wanted to be prepared to
20 understand better, what you're going to do with the
21 results.

22 OLIVER ISHUNT: Okay. Okay.

23 ABY MOHSENI: Are you --

24 OLIVER ISHUNT: Yes, yes. There's no, I
25 mean, I don't know about the press release, I just know,

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1 when I get up this morning here, I had a message from
2 my (indiscernible) say that the simulation done from
3 the actual source term, as I (indiscernible) so all the
4 diagnosis and few prognosis from the State and the standard,
5 is online on the website of the Institute.

6 ABY MOHSENI: Okay.

7 OLIVER ISHUNT: But if you go to the website
8 of IRSN --

9 ABY MOHSENI: Yes.

10 OLIVER ISHUNT: -- there's a link to the
11 situation, and you will see that there is a simulation.
12 It's large scale simulation, right?

13 ABY MOHSENI: Yes.

14 OLIVER ISHUNT: And so it's over the country
15 and you have simulation of the dispersion, also on dose
16 calculation.

17 ABY MOHSENI: Okay. And so this was based
18 on a particular source term and real atmospheric
19 conditions, do you know?

20 OLIVER ISHUNT: Well, on the reactor part,
21 I may be not the one you have to talk to. Because here,
22 I don't have, you know, I'm just (indiscernible, possibly
23 "quite") to be, to do the liaison to get them the data,
24 and to give advice to the French Embassy on the position
25 to take.

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1 That's my job here, to understand the
2 situation for here. But, I think the quickest way is
3 to get a connection to the Crisis Center in Paris. Do
4 you have the number, the land line?

5 ABY MOHSENI: Could you give it to us?

6 OLIVER ISHUNT: Yes, of course, I can. Give
7 me just a second, take a pen and a paper. Do you have,
8 wait a second, there it is, okay. Can I just send you
9 the different numbers by email?

10 RANDY SULLIVAN: Sure.

11 OLIVER ISHUNT: Okay.

12 ABY MOHSENI: Email.

13 RANDY SULLIVAN: PMT12, what's that, PM,
14 what's the whole email?

15 ABY MOHSENI: Okay, I'll give it to you.

16 OLIVER ISHUNT: Is Jeff here, so I can send
17 it to Jeff (indiscernible).

18 RANDY SULLIVAN: Yes, Jeff is still here,
19 right. Jeff.

20 OLIVER ISHUNT: So if Jeff is around, I've
21 got his email, so just send it to him, the numbers.

22 RANDY SULLIVAN: Okay.

23 OLIVER ISHUNT: And the land line, and then
24 you can talk to them.

25 ABY MOHSENI: Okay, that's fine.

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1 OLIVER ISHUNT: I mean, that's, is it okay
2 for you?

3 ABY MOHSENI: Yes, that would be nice. But
4 we were just wondering, if you were going to issue a
5 press release with this information, this morning,
6 sometime, because we kind of are concerned about all
7 kinds of numbers. Tokyo is, of course, with that
8 population, we're sure (indiscernible).

9 OLIVER ISHUNT: It's very sensible, yes,
10 yes. It is a very sensitive matter, I know. I know.

11 ABY MOHSENI: Yes. And --

12 OLIVER ISHUNT: Yes, right.

13 ABY MOHSENI: And if you were not intending
14 to issue a press release, you know, because all kinds
15 of numbers are flying around here, in various sources
16 of academia, and so forth. We were just trying to, kind
17 of, make sure we all understand the basis of these
18 calculations and projections (indiscernible).

19 OLIVER ISHUNT: Yes, sure, sure. No, of
20 course.

21 ABY MOHSENI: And do --

22 OLIVER ISHUNT: I think that now is the times
23 that major Crisis Center works together, to have a common
24 understanding of the situation (indiscernible).

25 ABY MOHSENI: Yes. So do you know, if there's

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1 going to be, this information is going (indiscernible).

2 OLIVER ISHUNT: I don't.

3 ABY MOHSENI: Is --

4 OLIVER ISHUNT: No, I'm sorry. From my
5 position here, I don't say.

6 ABY MOHSENI: Okay.

7 OLIVER ISHUNT: So the best ways to connect
8 to them, say, I send, I say, right now, when I hang up
9 the phone, I send, right now, to Jeff, the different
10 land lines, where you can connect to them, and talk to
11 them about that, about the source term --

12 ABY MOHSENI: Okay, very good.

13 OLIVER ISHUNT: -- the dose calculations,
14 the press release.

15 ABY MOHSENI: Well, okay. Thank you.

16 OLIVER ISHUNT: Okay?

17 ABY MOHSENI: Yes. We appreciate. Thank
18 you, very much.

19 OLIVER ISHUNT: Okay. Okay. Bye.

20 ABY MOHSENI: Bye.

21 RANDY SULLIVAN: Bye.

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RANDY SULLIVAN: NRC Operations Center.

RON BASKETT: Good morning, at NARAC, Ron Baskett, and Michael Dillon.

RANDY SULLIVAN: Oh, okay. Good morning.

CHRIS SMITH: NIT Ops.

RON BASKETT: Hey, Chris?

RANDY SULLIVAN: NRC Operations Center.

RON BASKETT: Morning. We have the three of us, could you identify yourself, is that Randy?

RANDY SULLIVAN: I'm here.

RON BASKETT: Morning. Basically, this is a teleconference, just a short one, to confirm the process of NRC verifying and confirming the source term, which we're calling the NRC Super Core Source Term, the one you sent a little earlier this morning.

And the process that I had mentioned (indiscernible) was to have you independently sum up the two key nuclides, the total Iodine-131 and the total Cesium-137.

We would appreciate that check, but minimum, Michael Dillon's going to be sending you shortly, a Excel spreadsheet that does list the total curries released for each of the nuclides, that we will using for the

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1 48-hour release.

2 RANDY SULLIVAN: Okay.

3 RON BASKETT: I think he's preparing that
4 right now.

5 MICHAEL DILLON: Just to clarify, I should
6 send this email to?

7 FEMALE PARTICIPANT: PMT02.hoc@nrc.gov,
8 please.

9 MICHAEL DILLON: hoc@nrc.gov. Chris, do
10 you want this cc'd to NIT Ops?

11 CHRIS SMITH: Affirmative.

12 MICHAEL DILLON: NITOPS@nsa.doe.gov. Okay.
13 Okay, I'm typing in the wordage on there, and I'll get
14 it to you in approximately 30 seconds.

15 RON BASKETT: Yes, okay. Oh, yes, we just
16 wanted --

17 CHRIS SMITH: So --

18 RON BASKETT: Go ahead.

19 CHRIS SMITH: Go ahead, I just, before we
20 all go off and do more real work, I want to make sure
21 we talk about how the NARAC release is done, and make
22 sure NRC has an opportunity to comment on that, if they
23 have any.

24 RANDY SULLIVAN: Okay.

25 RON BASKETT: I'd like to know about how

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1 they're, talking about how we apply the source term to
2 the Transpacific calculation?

3 CHRIS SMITH: Except more specifically,
4 making sure that there's no confusion, that each of the
5 source terms representing the four files is released
6 using the NARAC model at the same point in time.

7 RON BASKETT: Right, that's our plan.

8 RANDY SULLIVAN: Yes.

9 RON BASKETT: And that's how we're going
10 to model it, it's a simultaneous release, all four source
11 terms.

12 CHRIS SMITH: So I want to make sure NRC
13 has an opportunity to, if they have any comments or concerns
14 about that (indiscernible).

15 RANDY SULLIVAN: No, we agree. I mean, this
16 is a hypothetical future event, you might as well start
17 it all at once. Right?

18 RON BASKETT: Right.

19 CHRIS SMITH: I only ask, because, and maybe
20 I misinterpreted a comment that we got from, I don't
21 remember, one of the --

22 RANDY SULLIVAN: Probably, Greg.

23 CHRIS SMITH: -- your scientists, on the
24 President's staff, but there was some comment about
25 accurately reflecting the effect of decay on releases

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1 that shouldn't have been spaced out by a day or two.

2 RANDY SULLIVAN: Everything's decaying.

3 ABY MOHSENI: Yes, in those cases that we
4 sent, they all had different release times.

5 CHRIS SMITH: Okay.

6 ABY MOHSENI: Based on the event's actual
7 occurrence of foreign covered, or spent fuel pool and
8 cover. So in other words, while the starting point is
9 the same for all four reactors.

10 MALE PARTICIPANT: So only the shutdown time
11 is the same process (indiscernible)?

12 ABY MOHSENI: Correct. And then, the
13 release begins --

14 MALE PARTICIPANT: At different times.

15 MALE PARTICIPANT: Some time later, but
16 they're different, in those four cases, Unit 2, and Unit
17 3, and Unit 4, all were subjected to fuel damage, at
18 different times.

19 ABY MOHSENI: Right. But what you've given
20 them, though, the amount of curie already reflects that.
21 Decay has already --

22 MALE PARTICIPANT: All right.

23 ABY MOHSENI: I think that's the question.

24 CHRIS SMITH: Yes, the decay already
25 reflects that.

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1 ABY MOHSENI: Yes, with (indiscernible) you
2 have (indiscernible) reflects different shutdowns.

3 RANDY SULLIVAN: Shutdown, right.

4 RON BASKETT: Ron Baskett (indiscernible).
5 All right, so they'll be jagged, you know, releases
6 with effecting, you know, decay points at different time.

7 But, I think, the assumption that we should,
8 maybe, put in our write-up, is that that is rather small,
9 compared to, you know, the other uncertainties in the
10 calculation.

11 (b)(5)

12 ABY MOHSENI: Okay.

13 RANDY SULLIVAN: That sounds fine.

14 RON BASKETT: Actually, you know, call it
15 out so that it's not, you know, overlooked. That's
16 actually one of the aspects of this Transpacific
17 calculation, that's been tried to summarized in a one-page
18 executive summary with, you know, just giving them the
19 bottom line of the disposition and dose on selected
20 locations.

21 But when you do that, you start getting lots
22 and lots of questions, technical questions, from different
23 individuals about, you know, how the sources are
24 calculated and how the (indiscernible) are taken into
25 account, and how the dose factors are applied, and

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1 yada-yada.

2 I mean, it's, you know, we could write this
3 up, if we had the time in a 100-page technical document,
4 but I don't think we have that luxury, so we have to
5 focus singly on points, and --

6 RANDY SULLIVAN: Yes.

7 RON BASKETT: I appreciate you bringing that
8 up, because I think we should include that in the modeling
9 assumption bullet list.

10 RANDY SULLIVAN: That's why it took us five
11 hours to send you a 30 minute job.

12 RON BASKETT: Right, yes, yes.

13 RANDY SULLIVAN: (Indiscernible) as fast
14 as I could.

15 RON BASKETT: Yes, right. So the other,
16 so Michael Dillon has sent to you, and you, Chris, the
17 Excel spreadsheet. Are you able to look at that, at
18 your current position, on email?

19 CHRIS SMITH: One minute.

20 RON BASKETT: Okay.

21 RANDY SULLIVAN: I think we're looking at
22 it.

23 RON BASKETT: All right. Or, they're
24 reading a newspaper.

25 KIMBERLY GAMBONE: Hi, this is Kimberly

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1 Gambone. I'm one of the desk assessors here. And looking
2 at your spreadsheet, it looks like you haven't multiplied
3 by the multiplier, that we instructed in the email.

4 CHRIS SMITH: Okay, we thought we had. Give
5 me one second. Call me when you're ready.

6 KIMBERLY GAMBONE: Okay, so we'll just go
7 down your column. So your Source 1 column, is fine.

8 CHRIS SMITH: Okay.

9 KIMBERLY GAMBONE: Your Source 2 column,
10 the multiplier would be .5 --

11 CHRIS SMITH: Okay.

12 KIMBERLY GAMBONE: -- if you're interested
13 in modeling a 50 percent release.

14 CHRIS SMITH: (Indiscernible) we'll take
15 (indiscernible, possibly "emery-241"), as just as a
16 starting point. All right, give me a half second, I
17 want to pull up, this is Unit 3.

18 So I get, before any multipliers are applied,
19 for (indiscernible, possibly "emery-241"), so that means
20 straight across the RASCAL file, that you sent, (b)(5)

21 (b)(5)

You can confer.

22 KIMBERLY GAMBONE: All right, your email
23 that you sent back, said that you were interested in
24 total (indiscernible) Cesium-137 and Iodine-131. We
25 only looked at those isotopes.

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1 CHRIS SMITH: Okay. So we actually meet
2 the whole mix, because that effects the DRL, that email
3 had a typo in there, I do apologize.

4 KIMBERLY GAMBONE: Okay. Well, then we'll
5 need just a few more moments, please.

6 CHRIS SMITH: I'll be happy to do this for
7 Cesium, if we need to sort the (indiscernible, possibly
8 "emulsifiers") out, though.

9 MALE PARTICIPANT: Yes, why don't we do
10 Cesium, now?

11 KIMBERLY GAMBONE: Okay.

12 MALE PARTICIPANT: We can address that later
13 on.

14 CHRIS SMITH: Okay, (indiscernible) check
15 up on the Cesium, give me one second.

16 (Pause.)

17 MICHAEL DILLON: The purpose of this telecon,
18 is really to agree upon a process, which you will be
19 checking the numbers, and then sending an email back
20 confirming, so we don't necessarily expect you to do
21 this in realtime, unless you really want it.

22 CHRIS SMITH: If you are comfortable with
23 doing realtime, if you want more time, it's up to you.

24 RANDY SULLIVAN: Well, let's do the first
25 couple, because the folks have already worked those out.

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1 MALE PARTICIPANT: And make sure we're both
2 on the same page.

3 MICHAEL DILLON: (b)(5)

4 (b)(5)

5
6 KIMBERLY GAMBONE: The sum, is that what
7 you said?

8 MICHAEL DILLON: Yes, ma'am.

9 KIMBERLY GAMBONE: Say that number again,
10 please.

11 MICHAEL DILLON: (b)(5)

12 KIMBERLY GAMBONE: (b)(5)

13 (b)(5)

14 RON BASKETT: What are you talking about
15 again, to confirm.

16 KIMBERLY GAMBONE: (b)(5)

17 (b)(5)

18 MALE PARTICIPANT: I'm worried you don't
19 have the same file, so let's take a step back --

20 MALE PARTICIPANT: (Indiscernible) that
21 number's low, it looks like it might have not had the
22 multipliers.

23 MALE PARTICIPANT: Multiplier, you have the
24 multiplier.

25 KIMBERLY GAMBONE: I'm using the multiplier.

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1 MALE PARTICIPANT: Yes.

2 RON BASKETT: (Indiscernible) with the
3 multiplier, I'm sorry --

4 MICHAEL DILLON: So wait, are you using a
5 multiplier, or not using a multiplier?

6 KIMBERLY GAMBONE: I am using a multiplier.

7 MICHAEL DILLON: Hold on, I was using a
8 non-multiplier, to start things off.

9 KIMBERLY GAMBONE: Okay, I see. Well, then

10 (b)(5)

11 (b)(5)

12 MICHAEL DILLON:

13 (b)(5)

14 MALE PARTICIPANT: Yes, for Unit 3, that's
15 correct.

16 MICHAEL DILLON: That is correct.

17 MALE PARTICIPANT: For Unit --

18 MICHAEL DILLON: Good (indiscernible).

19 MALE PARTICIPANT: -- before --

20 MICHAEL DILLON: All right, next it's

21 (b)(5)

22 KIMBERLY GAMBONE: Correct.

23 MICHAEL DILLON:

(b)(5)

24 KIMBERLY GAMBONE:

(b)(5)

I agree.

25 MICHAEL DILLON: That's what I thought I

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1 sent you. Is that correct, did I send you that?

2 KIMBERLY GAMBONE: Yes.

3 MICHAEL DILLON: Okay, so then I'm not
4 following, where we didn't do the multiplier.

5 KIMBERLY GAMBONE: I'm sorry, I thought you
6 gave me a sum, but you're going through a unit by unit,
7 it sounds like, and I --

8 MICHAEL DILLON: The right column is the
9 total sum.

10 MALE PARTICIPANT: This is --

11 KIMBERLY GAMBONE: Are you --

12 MALE PARTICIPANT: Pardon me?

13 KIMBERLY GAMBONE: Are you summing Source
14 1, 2, 3, and 4?

15 MICHAEL DILLON: Yes, that total should sum
16 across 1, 2, 3, and 4, that should be the total for all
17 the spent fuel and reactors.

18 KIMBERLY GAMBONE: Well, I'm reading on a
19 spreadsheet for, (b)(5)

20 (b)(5)

21 MICHAEL DILLON: For all four sources that
22 you sent.

23 MALE PARTICIPANT: For all four sources.

24 MALE PARTICIPANT: Right.

25 MICHAEL DILLON: Yes.

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1 KIMBERLY GAMBONE: See, that's their total,
2 and this is mine.

3 MALE PARTICIPANT: The number you just gave
4 (b)(5)

5 MICHAEL DILLON: Correct.

6 MALE PARTICIPANT: And when you put that
7 (b)(5)

8 MICHAEL DILLON: That's what I have in front
9 of me. I believe, that's the one I sent.

10 MALE PARTICIPANT: Oh, yes, that's your
11 number.

12 KIMBERLY GAMBONE: Yes, that's theirs.

13 MALE PARTICIPANT: But yours is different,
14 right?

15 KIMBERLY GAMBONE: Yes, he tells me, if I'm
16 (b)(5)

17
18
19
20 MALE PARTICIPANT: No, I think he confirmed
21 this number.

22 KIMBERLY GAMBONE: Okay.

23 MALE PARTICIPANT: But --

24 MALE PARTICIPANT: (Indiscernible)
25 starting fresh, I think we were running too fast, I

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1 apologize.

2 KIMBERLY GAMBONE: Okay.

3 MALE PARTICIPANT: So, okay, so this is
4 (indiscernible) (b)(5)

5 KIMBERLY GAMBONE: This should not have a
6 (b)(5)

7
8 MALE PARTICIPANT: It's going to be
9 (indiscernible), and this should have a multiplier
10 (indiscernible).

11 KIMBERLY GAMBONE: (b)(5)
12 (b)(5)

13 MALE PARTICIPANT: (b)(5)
14 (b)(5)
15
16

17 KIMBERLY GAMBONE: Yes, correct. That's
18 (b)(5)

19
20 MALE PARTICIPANT: Okay. (b)(5)
21 (b)(5)
22

23 fuel --

24 KIMBERLY GAMBONE: Oh, here we go. Thank
25 you.

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1 MALE PARTICIPANT: So it looks like, maybe,
2 you missed that for Cesium --

3 MALE PARTICIPANT: Hold on one,
4 (indiscernible).

5 MALE PARTICIPANT: -- so check the --

6 MALE PARTICIPANT: So the question is, the
7 single batch multiplier?

8 MALE PARTICIPANT: Yes.

9 MALE PARTICIPANT: Have you been able to
10 confirm the other ones?

11 MALE PARTICIPANT: Well, we've confirmed
12 for Unit 3, yes, we agree with that number.

13 MALE PARTICIPANT: I see this mistake, thank
14 you. That is correct. I switched the 4A and 4B around.
15 So I want to walk this through, and I'm going to email
16 it to you, right on the phone.

17 KIMBERLY GAMBONE: All right.

18 MALE PARTICIPANT: Okay.

19 MALE PARTICIPANT: The four (indiscernible)
20 file is Unit 4B.

21 MALE PARTICIPANT: Yes.

22 MALE PARTICIPANT: Or 1, I used 3, it should
23 be 1, is that correct?

24 KIMBERLY GAMBONE: Correct.

25 MALE PARTICIPANT: Yes, that's correct.

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1 MALE PARTICIPANT: Yes, that's correct.

2 MALE PARTICIPANT: Yes.

3 MALE PARTICIPANT: Half a second. Okay,

4 (b)(5)

7 KIMBERLY GAMBONE: Correct.

8 MALE PARTICIPANT: That's correct.

9 MALE PARTICIPANT: Give me one second.

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0%GBT)FL15365094

KIMBERLY GAMBONE: Hey, Joe, can you go back to this file, see where this (indiscernible) sequence is? It looks like Excel rounded up on me.

JOE: Yes, I'll look, yes.

RON BASKETT: Hold on. Michael's going to edit the multipliers on those columns and --

MICHAEL DILLON: Be in your inbox, very shortly.

MALE PARTICIPANT: Okay.

MALE PARTICIPANT: (Indiscernible) a week.

KIMBERLY GAMBONE: In our inbox, email.

RANDY SULLIVAN: Oh, yes.

KIMBERLY GAMBONE: They're going to send

--

RANDY SULLIVAN: That's cool.

(Pause.)

RON BASKETT: Do you have that email, Randy and Kimberly?

KIMBERLY GAMBONE: Yes, we got it, we're going to take a peak right now.

MALE PARTICIPANT: You may want to just give Rick all those other ones, so we don't get them confused.

KIMBERLY GAMBONE: Yes. Okay. This is

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1 looking much better.

2 MALE PARTICIPANT: Is (indiscernible) one?

3 KIMBERLY GAMBONE: Yes, you know, I don't

4 (b)(5)

5
6 MALE PARTICIPANT: (Indiscernible).

7 KIMBERLY GAMBONE: Yes.

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

9 (indiscernible).

10 KIMBERLY GAMBONE: Okay. All right, looks
11 good.

12 MALE PARTICIPANT: Okay. Thank you.

13 MALE PARTICIPANT: Okay, but just to confirm,
14 you have reviewed all, have you reviewed just the Cesium
15 and Iodine, or have you reviewed all fo them?

16 KIMBERLY GAMBONE: Oh, yes, we only reviewed
17 the Cesium and the Iodine. We'll be happy to do the
18 others, but you'll --

19 MALE PARTICIPANT: Please, (indiscernible)
20 that took a longer. We need that for the DRL.

21 KIMBERLY GAMBONE: Okay.

22 MALE PARTICIPANT: So if you could send and
23 email confirming the Cesium and Iodine, at this time,
24 and then, as soon as you can, send the rest. We're going
25 to develop preliminary DRLs, based on what we have, but

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1 we cannot have final ones until you approve.

2 KIMBERLY GAMBONE: Understood.

3 MALE PARTICIPANT: (Indiscernible) going
4 to have to review all those files.

5 MALE PARTICIPANT: (Indiscernible).

6 MALE PARTICIPANT: (Indiscernible,
7 possibly "we need an hour").

8 RON BASKETT: So the other question we have
9 is, the last note that you provided in your source term
10 email, about capturing the full inventory.

11 LOU BRANDON: Yes.

12 RON BASKETT: You're saying we need to model
13 that, some releases for two weeks?

14 LOU BRANDON: This is Lou Brandon, Ron.
15 The way RASCAL models is, it'll only calculate after
16 48 hours.

17 RON BASKETT: Right, we understand that,
18 yes.

19 LOU BRANDON: So --

20 RON BASKETT: So our question is, what is
21 your recommended method to extend that to two weeks?

22 LOU BRANDON: When you do a NARAC projection,
23 over what interval is that, typically, model?

24 RON BASKETT: So for an release duration,
25 we've done release durations like six months for a radio

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1 (indiscernible, possibly "out fire"), so it's, you know,
2 it's not limited.

3 LOU BRANDON: Okay, good.

4 MALE PARTICIPANT: Two hours.

5 RON BASKETT: By any predetermined run
6 duration.

7 MALE PARTICIPANT: There are, of course,
8 minor details in the set up, and the model, and the rest.

9 But, I guess, the bigger question is, what would --
10 two questions I have, one is, for the runs we're doing
11 tonight, (b)(5) is that going effect what
12 we've just agreed on, in any sense of the word?

13 RON BASKETT: If we don't extend the release
14 beyond 48 hours.

15 MALE PARTICIPANT: Well --

16 LOU BRANDON: Well then, then you just have
17 to characterize it, as that is, what would be released
18 over the first two days? But the release is not going
19 to stop at that point.

20 MICHAEL DILLON: That's very explicit, we
21 are going to write-up for the one for tonight that this
22 is for the first days worth of material being released.

23 LOU BRANDON: That's correct.

24 MICHAEL DILLON: And you (indiscernible)
25 that, there's no objections, or any additional work that

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1 needs to be done.

2 LOU BRANDON: I think you got it. That's
3 right.

4 MICHAEL DILLON: I'm going to leave Ron to
5 talk about, offline, about, or without me, anyway, about
6 using it for more local scale, which case we get the
7 time series, and such, in.

8 RANDY SULLIVAN: This is Randy Sullivan,
9 again. And, maybe, it's the wrong time to be curious,
10 I know you're busy, but you found the weather trial that
11 you wanted (b)(5)

12 RON BASKETT: That's correct, yes.

13 RANDY SULLIVAN: And --

14 RON BASKETT: Yes, there's a direct track

15 (b)(5)
16
17

18 RANDY SULLIVAN: Well, good, good. And,
19 kind of, the reason we, sort of, came down on the side
20 of the complication, regarding the duration of the spent
21 fuel pool release, was because we thought, you know,
22 it's not likely that a weather trial, pointed at the
23 direction we're interested in, is going to last for,
24 you know, the month, that this release would go on.

25 MALE PARTICIPANT: Two weeks.

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1 RANDY SULLIVAN: Two weeks, there was a
2 factor.

3 RON BASKETT: Yes, that's right. (b)(5)

4 (b)(5)

5
6
7 RANDY SULLIVAN: Yes, that's the time of
8 arrival, but --

9 RON BASKETT: Right.

10 RANDY SULLIVAN: But the --

11 RON BASKETT: Well, that means --

12 RANDY SULLIVAN: But the direction at the
13 point of release, the wind direction, at the point of
14 the release, doesn't point in that direction for five
15 days, right?

16 RON BASKETT: Yes, it does.

17 RANDY SULLIVAN: No.

18 RON BASKETT: We're looking at the, our
19 understanding is that these, what were called, bounding
20 case analyses, was to try to find a meteorological case,
21 which is fairly steady wind flow towards those two
22 locations.

23 So that was, sort of, the upper bound, because,
24 I mean, if you have a wind that varies quite a bit, then
25 you're going to get more dispersion and less concentration.

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1 So these are sort of like, you know, upper bounds for
2 the --

3 RANDY SULLIVAN: Upper bounds is five days?

4 Nice, nice. Well, okay.

5 RON BASKETT: So, you know, go ahead, what
6 are you thinking about?

7 RANDY SULLIVAN: Well, I mean, what I was
8 thinking about, I understand you want to do a 48-hour
9 release. But, you know, you could reasonably say, you
10 know, if this spent fuel pool release is going to go
11 on for two weeks, and the wind blows in that direction
12 for four or five days, I mean, you could use the four
13 or five days of the spent fuel pool source term, couldn't
14 you?

15 RON BASKETT: That's right. That is the
16 question I was asking you, is how would we calculate,
17 you know, Day 3 through, well, these kind of calculations
18 are actually running out, I think, we're running two
19 weeks on these calculations. So in other words, the
20 spent fuel's going to be continuing to go, you know,
21 from Day 2 to Day 14.

22 LOU BRANDON: Yes, that's right.

23 RANDY SULLIVAN: Yes, well, you know, we
24 weren't sure what you could digest, but --

25 RON BASKETT: Right.

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1 RANDY SULLIVAN: -- that's what our models,
2 for whatever they're worth, we're going with the model
3 we got, you know, tell us, that from spent fuel pool
4 the source term would weep out over the, you know, a
5 couple of weeks.

6 RON BASKETT: Right. So in other words,
7 the source term module in RASCAL does not attempt to
8 estimate after 48 hours?

9 RANDY SULLIVAN: Well, that's our
10 limitation.

11 RON BASKETT: Yes, right. No, I understand.
12 I mean, all of our models have, you know, are based
13 upon, you know, certain requirements, assumptions, and
14 limitations, and yada-yada.

15 RANDY SULLIVAN: But we believe that source
16 term would go on, more or less, in a linear fashion.

17 RON BASKETT: Oh, I see. Okay.

18 RANDY SULLIVAN: For, you know, a couple
19 of weeks.

20 RON BASKETT: Right. The last time frame
21 would be, basically, a steady state release after that.

22 RANDY SULLIVAN: Yes.

23 LOU BRANDON: Fairly. Fairly.

24 RANDY SULLIVAN: Well, I mean, yes, I suppose
25 there's some variation, but --

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1 LOU BRANDON: Now (indiscernible).

2 RANDY SULLIVAN: But if you went --

3 RON BASKETT: (Indiscernible) information.

4 RANDY SULLIVAN: If you went that long for
5 a couple of weeks, you would exhaust all of the activity
6 that's available, that's how it sizes up.

7 RON BASKETT: All right. Okay.

8 RANDY SULLIVAN: So I'm, you know, I don't
9 know your world, very well.

10 RON BASKETT: Right, and, you know, we're,
11 and, you know, you're the experts in your world.

12 RANDY SULLIVAN: Right.

13 RON BASKETT: (Indiscernible) this
14 discussion.

15 RANDY SULLIVAN: So I wasn't sure what you
16 want to do, but if the weather trial actually lasts five
17 days, I mean, does it extend the time of the calculation,
18 or do something funky to you, to --

19 LOU BRANDON: I think, what Randy is saying,
20 is that it won't make much difference on Reactor 2, but
21 if you want it to model longer than 48 hours, you could
22 just proportionately add that source term, or you could
23 double it to four days worth.

24 RANDY SULLIVAN: Yes.

25 LOU BRANDON: OR triple it for eight days

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1 for units.

2 RON BASKETT: When you say proportionately,
3 you mean, steady state from the last --

4 LOU BRANDON: Yes, that's right. Yes.

5 RON BASKETT: -- discontinue that.

6 RANDY SULLIVAN: Yes.

7 RON BASKETT: Continue that rate for the
8 remainder of the 14 days, the two weeks. Well, that's,
9 yes, our model can handle that. So I guess, in the scheme
10 of things, you know, if we look at our assumptions, and
11 all that.

12 Either we make an assumption, that the
13 contribution by the spent fuel Units 3 and 4 source term,
14 is not worth worrying about, or is it worth worrying
15 about for Days 3 through 14? And that's, I think that
16 would be called by, you know, that's gotten us to the
17 question on the table.

18 LOU BRANDON: I think it'll be a fairly
19 significant contribution.

20 RON BASKETT: Okay.

21 RANDY SULLIVAN: Especially, the Cesium,
22 right?

23 RON BASKETT: Yes.

24 LOU BRANDON: And since it's fresh fuel,
25 you get Iodine (indiscernible).

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1 RON BASKETT: Okay. In that case, then what
2 we're going to do is, do another revision on the source
3 term and take the last column and multiply it by the
4 -- let's see. Oh, I'm sorry. Let me think.

5 Yes, we would only do it for the time it
6 takes to arrive at the location, we wouldn't do it for
7 the 14 days. Fourteen days is going to be way past the
8 East Coast, if you know what I mean?

9 RANDY SULLIVAN: Yes, I understand.

10 RON BASKETT: Yes.

11 RANDY SULLIVAN: So you can just apply it
12 as appropriate.

13 LOU BRANDON: You understand
14 (indiscernible).

15 RON BASKETT: Yes, actually, I'm thinking
16 that's true, now, because we're applying this to the
17 multiplier after the, we're doing a unit source rate,
18 as you may recall, from previous discussions, so we just
19 release it curie per second of Cesium, and a curie per
20 second of Iodine.

21 LOU BRANDON: Okay.

22 RON BASKETT: And so, you know, it's not,
23 I mean --

24 LOU BRANDON: Okay, and then you still --

25 RON BASKETT: -- just do a one model run,

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1 so we'd have to kind of do the range of arrival times,
2 if you looked at our last calculation, was on the range
3 of four to eight, or nine days.

4 You'd have to get kind of a -- well, this
5 is, made another assumption, we would have to take into
6 the median of those to create a source term multiplier
7 for the total source (indiscernible).

8 RANDY SULLIVAN: Yes, but see, I'm a little
9 fuzzy. I mean, there is some variation in the weather
10 case, right? I mean, it's not really just a steady wind
11 for, just for --

12 RON BASKETT: Oh, no, no, it's not steady,
13 but it, basically, what it is, it's the, I mean, we have
14 a 3-D --

15 RANDY SULLIVAN: Yes.

16 RON BASKETT: -- a wind field, every three
17 hours, but it generally remains in the --

18 RANDY SULLIVAN: Yes.

19 RON BASKETT: -- from almost --

20 RANDY SULLIVAN: Yes, yes, good.

21 RON BASKETT: -- (b)(5)

22 (b)(5)

23
24 RANDY SULLIVAN: (b)(5)

25 RON BASKETT: -- (b)(5)

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1 RANDY SULLIVAN: So I was kind of expecting
2 that the source term, on day seven, will have a different
3 impact than the source term on Day 8, due to variable
4 maps, or am I thinking there's too much, is that too
5 much detail for your model?

6 RON BASKETT: Oh, no. Well, let me put it
7 this way, we, normally, would run the model with time
8 varying force rates, as you provided, in this Excel
9 spreadsheet.

10 But in order to get this calculation done,
11 we just entered a, and all we need to do is calculate
12 the total integrated air concentration, and apply a dose
13 factor at the end. So that makes it easy. All we need
14 to do is multiply a unit source rate by your total curies,
15 isn't it?

16 LOU BRANDON: Yes.

17 RON BASKETT: And then apply to dose factor
18 at the end of the calculation.

19 LOU BRANDON: Understood.

20 RON BASKETT: Are you following me?

21 LOU BRANDON: Yes, I understand.

22 RANDY SULLIVAN: So you're not really going
23 to spread this source term, if you use a two-week source
24 term, you're not really going to spread it out over two
25 weeks, you're going to apply it in the first day, or

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1 something, right?

2 RON BASKETT: Well, right, we're going to,
3 no, not in the first day, we're just going to apply it
4 to the calculation. So there's no, we're not including
5 time variation in the source rate, for this particular
6 calculation, this sort of first order calculation, if
7 you will, it's a --

8 RANDY SULLIVAN: I understand. So then this
9 discussion about a two-week source term, you're thinking
10 of releasing it all on the first day, or two, or whatever
11 it was you said.

12 RON BASKETT: Well, basically, what it is,
13 it's applied to that period.

14 LOU BRANDON: Okay.

15 RON BASKETT: And so it's four days.

16 RANDY SULLIVAN: And it's (indiscernible,
17 possibly "perioded") two days.

18 RON BASKETT: Yes, right, yes.

19 RANDY SULLIVAN: Okay.

20 LOU BRANDON: That means, you should just
21 use what we provided.

22 RANDY SULLIVAN: Then you should forget what
23 I've been talking about, and just use what we provided
24 you, and say this release would continue afterwards.

25 RON BASKETT: Okay, yes.

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1 RANDY SULLIVAN: All right?

2 RON BASKETT: All right.

3 RANDY SULLIVAN: Okay, sorry, I didn't mean
4 to take us on that long and windy road, I --

5 RON BASKETT: No, no, that's good discussion
6 we had, yes. I just want to make sure we're in agreement.

7 RANDY SULLIVAN: And see, Max would allow
8 us to do that, for instance. But, cool. Okay, so we're
9 in agreement there.

10 RON BASKETT: All right, yes, okay. We'll
11 just use the 48-hour --

12 RANDY SULLIVAN: Yes.

13 RON BASKETT: -- push two days of --

14 LOU BRANDON: Yes.

15 RON BASKETT: -- which should be, you know,
16 the majority of things.

17 LOU BRANDON: Well, it certainly is all of
18 the reactor.

19 RON BASKETT: Right.

20 RANDY SULLIVAN: And it's the beginning of
21 the spent fuel pool, so there you go.

22 RON BASKETT: Yes.

23 RANDY SULLIVAN: Okay, so the staff can get
24 back with you, regarding all the other nuclides, is that
25 right?

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1 RON BASKETT: That's correct, yes. Just
2 (indiscernible) confirming email that you've checked
3 and those are the source term (indiscernible).

4 RANDY SULLIVAN: I see them working now.

5 RON BASKETT: All right.

6 RANDY SULLIVAN: The rest of us are kind
7 of moping, because it's end of shift.

8 RON BASKETT: All right. Okay, yes. All
9 right, well I hope you're out of there.

10 LOU BRANDON: Okay.

11 RANDY SULLIVAN: Hey, thanks, guys. And
12 once again --

13 RON BASKETT: Okay, thank you.

14 RANDY SULLIVAN: -- sorry, about being late
15 with all that.

16 RON BASKETT: It's okay, we're on it.

17 RANDY SULLIVAN: The guys are working as
18 hard as they could.

19 RON BASKETT: All right.

20 LOU BRANDON: Okay.

21 RANDY SULLIVAN: Talk to you later, Ron.

22 RON BASKETT: NARAC out. Thank you.

23 RANDY SULLIVAN: Thanks.

24

25

26

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0%GG!Q8615365094

MALE PARTICIPANT: -- called us.

FEMALE PARTICIPANT: Yes, Jim

(indiscernible) did call direct.

MALE PARTICIPANT: What happened?

MALE PARTICIPANT: I thought it was
(indiscernible).

FEMALE PARTICIPANT: Yes.

MALE PARTICIPANT: Which is an upstage name.

MALE PARTICIPANT: Remember to do that.

MALE PARTICIPANT: What, (b)(6)

(b)(6)

MALE PARTICIPANT: It didn't ring here.

MALE PARTICIPANT: Yes.

MALE PARTICIPANT: Probably why he never
calls.

MALE PARTICIPANT: But we still need to
resolve that mailbox in the (indiscernible).

OPERATOR: Please, have a pen ready to write
down our phone number. The number you have dialed has
a new directory assistant service, please dial
1-900-446-2900. That number again is 1-900-446-2900.
Each call cost \$1.99. To get more information on the
number that you have just dialed.

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1 FEMALE PARTICIPANT: Why would I call for
2 information?

3 MALE PARTICIPANT: The main issue, that's
4 a bad take on it, and I don't know how --

5 FEMALE PARTICIPANT: Maybe I messed up.

6 MALE PARTICIPANT: (Indiscernible)
7 yesterday, so they believe levels of the core
8 (indiscernible).

9 OPERATOR: Please, have a pen ready to write
10 down our phone number. The number you have dialed has
11 a new direct --

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1 (CONFERENCE CALL INITIATED)

2 0%GG1RCL15365094

3 OPERATOR: Welcome to AT&T's Teleconference
4 Service. Please, enter your access code, followed by
5 the pound sign. To join the conference, as the host,
6 press star, otherwise, press pound. There are eight
7 participants on the call, including you. You are joining
8 your conference, as a participant. For a menu of available
9 commands, press star pound.

10 MALE PARTICIPANT: Just something we should
11 be prepared --

12 FEMALE PARTICIPANT: Hi, NRC, joining the
13 call.

14 FEMALE PARTICIPANT: Thank you.

15 FEMALE PARTICIPANT: All right, Matt, go
16 ahead.

17 MALE PARTICIPANT: All right, and so there,
18 also there was an email from the (indiscernible) office
19 (indiscernible), so I didn't (indiscernible) --

20 BILL BEAL: This is, Bill, I don't know if
21 you can hear me, I got this (indiscernible). I had
22 originally been talking to Hans, Hans had been working
23 on a task for overnight, about --

24 MALE PARTICIPANT: Consequence manual.

25 BILL BEAL: -- when we get the arrival time,

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1 and DRL, stuff, well, the arrival time table that we've
2 been getting from NARAC, for a West Coast, you know,
3 West Coast arrival of the plume, coordinated with that.

4 CM Home Team was working on, you know, doing
5 the DRL analysis of the stuff that arrived with the scales
6 and source term that comes from NRC, and there were some
7 questions about, you know, well why was a milk pathway
8 chosen, and what changes are there, and all that stuff.

9 And I had asked Hans for a little write-up
10 on that sort of goes through the logic of, you know,
11 choosing that pathway versus of another, or what are
12 the consequences of leaving that pathway out, if it's
13 not a wise one to choose?

14 And part of that involved, I mean, it would
15 really involve the A Team, when it comes to, you know,
16 deciding which pathway to choose, or what to include
17 or what not to, what makes sense.

18 We'll just, you know, the DOE side of the
19 house is sort of pointing of what the Regulatory folks
20 are saying, you know, and just interpreting the data
21 in terms of those, you know, what's already set in policy,
22 (indiscernible) and recommendations.

23 So I had asked Hans to write a little something
24 up. He wrote me something, but it wasn't quite what
25 we were looking for, so I sent him back an email.

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1 And I don't know if I missed him on a shift
2 change, or something, because I didn't hear back from
3 him. So I re-forwarded that to the entire CM Home Team,
4 and some of you have probably seen that. I just wanted
5 to clarify that that's what that was.

6 If you have further questions, Matt's coming
7 on shift now. He understands that I pass it on to him.

8 So if we could just get that taken care of, this --

9 TERRY KRAUS: Hey, Bill. This is Terry
10 Krause. Okay. So Brian Haunt and I, are just taking
11 over about an hour ago from Hans and Steve Farmer, and
12 you know, we would like to talk to you about that, rather
13 than having a bunch of emails go back and forth that
14 get nowhere.

15 So whether we do this offline, or what, but
16 we want to make sure that we're not running around in
17 circles. I'm not sure if Anne-Marie is on right now,
18 she said she had to step away.

19 Regarding the source term, we got the source
20 term, we got a six-hour transit time, or six-day transit

21 (b)(5)

22 We re-generated DRLs for that source term, with those
23 transit times. NARAC is in the process of doing those.

24 As far as the food pathway goes, I don't
25 think we can go much further, or should go much further,

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1 until we have a discussion and a clear path forward.
2 Oh, but you're leaving, and now Matt's coming on, so
3 I guess maybe we need to talk to Matt.

4 BILL BEAL: I got Matt up to speed a little
5 bit. I think he understands what we were looking for,
6 and it's really not that much. I talked a lot longer,
7 than it should take you to write the dang thing.

8 I mean, it's really just a small, just a
9 short, little extra few sentences about, you know, why
10 themilkpathwaywas chosen, that it might be the delimiting
11 one.

12 And if you don't choose that one, because
13 of some other choice, you know, (b)(5)
14 and you're not milking cows, then the numbers are going
15 to change drastically. Just a little bit about that,
16 because that question had come up, so we want to address
17 it, that's the only reason.

18 TERRY KRAUS: Okay, Bill. We'll try one
19 more time from the Assessment side, to put a little more
20 verbiage together, we'll respond to that same email,
21 and let you guys digest it.

22 LOU BRANDON: Hey, Terry, this is Lou Brandon,
23 NRC.

24 TERRY KRAUS: Hey, Lou.

25 LOU BRANDON: Do you know if there have been

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1 any air samples taken within 50 miles, to give us any
2 iodine concentrations?

3 TERRY KRAUS: I, having just come on shift,
4 Lou, I'm not the one to answer that question.

5 LOU BRANDON: Is anybody online from RSL,
6 right now?

7 WENDY PEMBERTON: Hey, Lou, this is Wendy.

8 LOU BRANDON: Okay.

9 WENDY PEMBERTON: No, we don't have any
10 ground teams that have been quite that close with the
11 air samples, to my knowledge, at this point, they haven't
12 been allowed to advance that far. So the only data that
13 we had, near that close, was the ANS flight.

14 LOU BRANDON: Okay.

15 TERRY KRAUS: Wendy, but, the, what is it,
16 the Yokosuka Naval Base, or whatever that is, they got
17 an air sample down there, that showed iodine, right?
18 That's like 150 miles away.

19 WENDY PEMBERTON: Yes. (Indiscernible).

20 TERRY KRAUS: So that was a couple of days
21 ago, or are they continuing the sample?

22 WENDY PEMBERTON: No, they're continuing
23 to sample.

24 LOU BRANDON: So are those iodine
25 concentrations available in that vicinity?

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1 WENDY PEMBERTON: We haven't pulled that
2 out, have we?

3 MATT: Well, I don't know about, we do, the
4 guys over at, or our guys are out there, they have some
5 air samples that were run. They've processed some of
6 them, but we haven't seen the results of the processing,
7 yet.

8 WENDY PEMBERTON: Yes.

9 LOU BRANDON: Okay. And then, when you do
10 see the results, will they go to the RAMS database?

11 MATT: That is the plan.

12 LOU BRANDON: Okay, good. We can look there
13 an monitor.

14 MATT: But I'm going to caution you, that
15 finding the information in RAMS may not be obvious.

16 LOU BRANDON: Okay. Okay.

17 MATT: Maybe they can just email it through
18 (indiscernible).

19 LOU BRANDON: Yes, if you could just note,
20 that we're very interested in any air concentration data
21 that comes up, we'd like to be informed and track it
22 down.

23 MATT: Thank you.

24 WENDY PEMBERTON: Okay.

25 MATT: Understood.

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1 WENDY PEMBERTON: Thanks.

2 LOU BRANDON: Thank you.

3 TERRY KRAUS: This is Terry Krause, again.

4 I would, regarding the ingestion pathway, since this
5 is going to be one of the most critical pathways that
6 drive protective actions, it would be really nice if
7 we could get someone from the A Team on these calls,
8 who could give us, you know, direction, as to how best
9 to approach that. Because our normal method, that we
10 do, in the FRMAC, is to look at everything, and be very,
11 very conservative.

12 And, you know, look where, typically, just
13 like everyone's, who's ever done a nuclear power plant
14 ID, (indiscernible) the iodine in milk is amazingly
15 conservative and, you know, is the most critical thing.

16 If we can rule that out, you know, we in the FRMAC side
17 can't make that decision, but someone from the A Team
18 can direct us to do as such.

19 WENDY PEMBERTON: Okay, Terry, we'll give
20 them a call and tell them to join on the next one, okay?

21 TERRY KRAUS: Thank you.

22 WENDY PEMBERTON: You're welcome.

23 FEMALE PARTICIPANT: This is NRC, I have
24 another question, if you don't mind. I heard you say

25 (b)(5)

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(b)(5)

MATT: Is someone from NARAC on? I'm sure the plume has passes through those areas, but they're asking if they're actually looking at concentrations there, I'm not sure. I believe we could, but I'd like NARAC to address that.

FEMALE PARTICIPANT: So they must not be on the line.

MATT: I think they're struggling, or not struggling, but they're trying to get out the next set of data products.

FEMALE PARTICIPANT: Okay.

MALE PARTICIPANT: We do have a report from yesterday, (b)(5)

(b)(5)

MATT: Thank you.

FEMALE PARTICIPANT: Okay. Are we going to have a follow-up call, does anybody know, or routine calls through the day?

WENDY PEMBERTON: Yes, so we're having our regular scheduled, usually at four hour intervals.

FEMALE PARTICIPANT: Thank you.

WENDY PEMBERTON: You're welcome.

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1 ANNE-MARIE: Hey, Terry, are you still on
2 the line?

3 TERRY KRAUS: Yes, we're here, Anne-Marie.

4 ANNE-MARIE: All right, I'm going to call
5 you offline, I need a sanity check.

6 TERRY KRAUS: Okay. Are we done with this
7 conference call?

8 WENDY PEMBERTON: Terry, unless you have
9 something else to join, do you have something else that
10 you wanted to add?

11 TERRY KRAUS: Oh, no. So we'll talk about
12 this, try to generate some more checks regarding the
13 ingestion pathway, but really, to settle this, I think
14 we need input from the A Team, FDA Representative, and
15 we're going to try and get that, or you guys are going
16 to try and get that, so I don't think I have anything
17 else.

18 FEMALE PARTICIPANT: (Indiscernible).

19 KAREN: Hey, Valerie, this is Karen, is Jess
20 (phonetic) still in?

21 MALE PARTICIPANT: No.

22 FEMALE PARTICIPANT: No.

23 FEMALE PARTICIPANT: No.

24 DAVE: What do you need?

25 VALERIE: We have Ernie and --

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1 DAVE: Dave.

2 VALERIE: -- Keith.

3 KAREN: Okay, when is he expected back?

4 MALE PARTICIPANT: 6 o'clock tomorrow.

5 KAREN: At what time?

6 MALE PARTICIPANT: 6:00 p.m.

7 VALERIE: 6:00 p.m.

8 KAREN: 6:00 p.m.

9 LOU BRANDON: P.m.

10 VALERIE: P.m., 6:00 p.m.

11 KAREN: Yes, okay. All right.

12 VALERIE: Okay?

13 KAREN: All right.

14 VALERIE: NIT do you have any (indiscernible,
15 possibly "alibis")?

16 MALE PARTICIPANT: No, ma'am.

17 VALERIE: All right, thank you. Anything
18 from you guys, Wendy or Collin?

19 COLLIN: No.

20 VALERIE: Okay. I guess we're done. So we
21 will do this again, at 12 o'clock Eastern time, 9 o'clock
22 Pacific time, is that a date?

23 LOU BRANDON: Sounds good, thank you.

24 WENDY PEMBERTON: It's a date, Val.

25 VALERIE: You have a good rest of your morning.

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1 Thanks.

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(CONFERENCE CALL INITIATED)

0%GIWLG_15365094

JOHN LUBINSKI: Oh, you got it. John Lubinski, can I help you? This is NRC, PMT, John Lubinski speaking. Who's on the line?

LOU BRANDON: Did you have to hang up for it to go through, I don't know.

JOHN LUBINSKI: I don't know. Hello? Hello, is anyone on the line? Hello, this is NRC. Is he still there? Pick up.

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1 (CONFERENCE CALL INITIATED)

2 0%GP#9!615365094

3 MALE PARTICIPANT: Hello?

4 JOHN LUBINSKI: Yes, John Lubinski, NRC
5 Operations Center.

6 MALE PARTICIPANT: All right, standby, I'm
7 transferring NARAC.

8 JOHN LUBINSKI: Thank you. Come on over here.

9 FEMALE PARTICIPANT: All right, right now,
10 I'm not getting on the White House call. I (indiscernible),
11 you know.

12 JOHN LUBINSKI: Hello, John Lubinski, may
13 I help you?

14 MICHAEL DILLON: Yes, this is Mike Dillon,
15 from NARAC.

16 JOHN LUBINSKI: Hi.

17 MICHAEL DILLON: I just sent you the updated
18 description. Could you hold on, one second, I'm going
19 to grab the rest of the folks, right here.

20 JOHN LUBINSKI: Okay, you just sent them
21 to us. We're looking for them.

22 MICHAEL DILLON: Well, like I said, it's
23 going to be 30 seconds to a minute, when you're ready.

24 JOHN LUBINSKI: Okay, is that something
25 where we should, is this something you're going to walk

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1 us through, as we see it on the screen, or do we need
2 to take ten minutes to look at it and call you back?

3 MICHAEL DILLON: It's the fill out of what
4 we just discussed.

5 JOHN LUBINSKI: Okay.

6 MICHAEL DILLON: (Indiscernible) talk it
7 through.

8 JOHN LUBINSKI: Okay.

9 MICHAEL DILLON: All right.

10 JOHN LUBINSKI: Well, let me --

11 MICHAEL DILLON: I'll (indiscernible) three
12 seconds, and open it up, and tell us when you are ready.

13 JOHN LUBINSKI: Great. I'm going to,
14 sitting in front of a computer, waiting for it to come
15 up. And we got it. I'm going to put you on mute, a second.

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(CONFERENCE CALL INITIATED)

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BRUCE WATSON: Okay.

(b)(5)

(b)(5)

MALE PARTICIPANT: So how do we, I mean --

MALE PARTICIPANT: There are safe --

MALE PARTICIPANT: -- (indiscernible) I think it's just as brief, we have to have some way for it to get out, don't we, or?

BRUCE WATSON: Yes, but, there's lots of leakage that could occur with all the different penetrations and safety valves, and all those stuff, associated with the primary reactor system. I would just prefer we say, that we had a breach of the primary containment, and the secondary containment, which is the reactor building.

MICHAEL DILLON: Steve has a suggestion of a leaking reactor vessel, instead of a breach of reactor vessel.

BRUCE WATSON: Again, I guess, that's better than breach, but we know that the core contents are being put into the primary containment, and then that is now

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1 leaking to the environment, because there's no reactor
2 building.

3 MICHAEL DILLON: Okay. I'm just, I --

4 BRUCE WATSON:

(b)(5)

5 (b)(5)

6 (b)(5)

It's leaking,

7 but --

8 STEVE HOMANN: (Indiscernible).

9 MICHAEL DILLON: Right?

10 STEVE HOMANN: So your preference is not
11 to (indiscernible) about the reactor vessel itself, right?

12 BRUCE WATSON: Yes, right.

13 STEVE HOMANN: Okay. Just take away that
14 breach of reactor vessel, what did your statement say,
15 Michael?

16 MICHAEL DILLON: The statement Steve
17 proposed shall, I'll let him say it, since he's right
18 here.

19 STEVE HOMANN: Well, I was just saying, if
20 people are getting confused with the reactor vessel and
21 the primary containment, I thought it was important to,
22 at least, say, the reactor vessel is assumed to be leaking,
23 and we've lost the primary containment, in (dry well),
24 like Michael suggested. I just, just to prevent people
25 from confusing the primary containment with the reactor

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1 vessel, itself.

2 BRUCE WATSON: So to summarize that into
3 single phrase, it would be, assumed leaking reactor vessel
4 and total failure of primary containment, parentheses,
5 dry well, end parentheses, and reactor building.
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(CONFERENCE CALL INITIATED)

0%GP0-@L15365094

BRUCE WATSON: This is Bruce Watson, with
the NRC.

MAUREEN ALAI: NARAC's here.

BRUCE WATSON: I'm sorry, can you repeat
that?

MAUREEN ALAI: Yes, NARAC's here.

BRUCE WATSON: Okay.

MAUREEN ALAI: Actually, this is Maureen,
Michael stepped out a second, he'll be back.

BRUCE WATSON: All right, we heard they was
waiting on somebody, or whatever. And who is coming
in?

MAUREEN ALAI: (Indiscernible) and then,
we're going to bring DOE, Jerry Guarino (phonetic), back
in, in just a few minutes.

BRUCE WATSON: Okay.

MAUREEN ALAI: Actually, I can go ahead and
do that now. I'm going to be putting you on hold.

BRUCE WATSON: Okay.

MAUREEN ALAI: (Indiscernible), okay?

BRUCE WATSON: We'll put ourselves on mute,
so we'll listen in.

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1 (CONFERENCE CALL INITIATED)

2 0%GP2}6_15365094

3 MICHAEL DILLON: Hello, NRC, we're going
4 to try conferencing in Jerry, one more time. Ready?

5 BRUCE WATSON: All right, we're here.
6 What's that phone?

7 MICHAEL DILLON: Hello?

8 BRUCE WATSON: Yes.

9 MICHAEL DILLON: Do you have both, NRC and
10 Jerry? We got --

11 JERRY GUARINO (phonetic): You got Jerry,
12 how about the NRC, is the NRC on?

13 BRUCE WATSON: This is the NRC.

14 MICHAEL DILLON: Okay, we're open for
15 business. Is everybody ready to talk?

16 JERRY GUARINO: I am. (Indiscernible).

17 BRUCE WATSON: Can we have --

18 JERRY GUARINO: How about you guys at the
19 NRC, have you had a chance yet (indiscernible).

20 BRUCE WATSON: We have the volume turned
21 all the way up, and we can barely hear Jerry. This is
22 the NRC.

23 JERRY GUARINO: Okay, I'll have to move close
24 to the microphone here, is this a little better?

25 BRUCE WATSON: Yes, a little better.

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1 JERRY GUARINO: Okay, have you got, I just
2 got the document, and just (indiscernible) through it
3 now, have you guys, at the NRC, had a chance to look
4 it over?

5 BRUCE WATSON: We just got it, and handed
6 to me, and was told, we were on the phone, so I'm looking
7 at it now, as we speak.

8 JERRY GUARINO: Okay. Well, let's go
9 through it together. So let me see, does it say why

10 (b)(5)

11
12 MICHAEL DILLON: I do not have that inquiry.

13 Oh, wait, I do.

(b)(5)

14 (b)(5)

15
16
17 (b)(5)

JERRY GUARINO:

18 (b)(5)

19
20
21 BRUCE WATSON: Yes.

22 MICHAEL DILLON: They're moved.

23 JERRY GUARINO: It's not removed, move them
24 up.

25 MICHAEL DILLON: Yes, I have moved them right

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1 now. I'm editing this on the fly.

2 JERRY GUARINO: Okay. I got this, you've

3 (b)(5)

4
5 either remove that, or make it --

6 MICHAEL DILLON: Trish.

7 TRISH MILLIGAN: Yes, so that, yes. It looks

8 like, (b)(5)

9 (b)(5)

10 (b)(5)

11 MICHAEL DILLON:

12 (b)(5)

13 JERRY GUARINO: (Indiscernible).

14 MICHAEL DILLON: Okay, have no problem for
15 that.

16 JERRY GUARINO: Okay.

17 MICHAEL DILLON: Any objections?

18 BRUCE WATSON: Hold on, we're looking at

19 (b)(5)

20
21 JERRY GUARINO: Okay.

22 MICHAEL DILLON: Thank you, we're holding.

23 BRUCE WATSON: Okay, we're not --

24 MICHAEL DILLON: Should we proceed onto
25 other things, can you multitask?

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1 BRUCE WATSON: Yes, go ahead.

2 MICHAEL DILLON: Okay. I have it
3 highlighted, Jerry, for later, we can covering back to.

4 JERRY GUARINO: Okay. Let's see, next, it

5 (b)(5)

6 (b)(5)

What does, dry well, mean?

7 BRUCE WATSON: The dry well is the
8 containment structure.

9 MICHAEL DILLON: (Indiscernible)
10 containment structure after dry well?

11 JERRY GUARINO: But wait, the description
12 is total failure of containment.

13 BRUCE WATSON: So that would be both, the
14 primary containment, which is the dry well and the reactor
15 building.

16 JERRY GUARINO:

(b)(5)

17 (b)(5)

18 (b)(5)

19 (indiscernible), because the
20 primary containment is (indiscernible). Do you guys
21 copy that question?

22 BRUCE WATSON: You got to, please, speak
23 closer to the microphone.

24 JERRY GUARINO: Is the primary containment,
25 is that the reactor vessel, itself, the pressure vessel?

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1 BRUCE WATSON: No, it is the dry well, is
2 the primary containment. The reactor vessel is the
3 reactor vessel. Now, the primary containment is the
4 dry well structure, and the source.

5 JERRY GUARINO: It's melted through that,
6 I guess, is that the idea?

7 BRUCE WATSON: It's breached.

8 JERRY GUARINO: Okay. So let's, you know,
9 we don't have to procedure (indiscernible) description,
10 to mean a breach of the reactor vessel and total failure
11 of the containment and the reactor building.

12 MICHAEL DILLON: Can I suggest a slight
13 phrase? (b)(5)

14 (b)(5)

15
16 JERRY GUARINO: Okay, that's good. I like
17 it.

18 MICHAEL DILLON: Does that work for you?

19 BRUCE WATSON: Can you repeat that? I'm
20 sorry, I got interrupted.

21 MICHAEL DILLON: Absolutely. The proposed

22 (b)(5)

23
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BRUCE WATSON: Hello?

JERRY GUARINO: Yes, do you have any comments
on that phrase?

BRUCE WATSON: (b)(5)

(b)(5)

(b)(5)

That's

all.

JERRY GUARINO: (b)(5)

(b)(5)

(b)(5)

BRUCE WATSON:

(b)(5)

MICHAEL DILLON: Hold on, let me make sure
I capture that, exactly.

BRUCE WATSON: Yes.

MICHAEL DILLON: Hello, one second.

BRUCE WATSON: Now, I hope I'm not coming
across too loud to you, because I have the phone turned
up.

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1 MICHAEL DILLON: You're perfectly fine, on
2 my side.

3 BRUCE WATSON: All the way up, because I
4 can barely hear Jerry, at times.

5 MICHAEL DILLON: Understood. Let me get
6 this phrase directly to everybody. (b)(5)

7 (b)(5)

8
9
10 BRUCE WATSON: Yes. And you can put
11 secondary containment, reactor building.

12 MICHAEL DILLON: Primary containment and
13 secondary containment (reactor building).

14 BRUCE WATSON: Yes.

15 MICHAEL DILLON: Okay. Is that agreed?
16 Fine with me.

17 JERRY GUARINO: I'm okay with that.

18 BRUCE WATSON: And fine with me.

19 MICHAEL DILLON: (b)(5)

20 (b)(5)

21
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JERRY GUARINO: Sorry, I'm having a sidebar conversation. But, yes, I think that's a fine statement.

MICHAEL DILLON: Okay, (b)(5)

(b)(5)

JERRY GUARINO: I think, we should then add another statement, (b)(5)

(b)(5)

I don't know how to phrase that, but we want to say, that, you know, (b)(5)
(b)(5) (indiscernible). What kind of statement do you recommend there?

MICHAEL DILLON: (b)(5)

(b)(5)

BRUCE WATSON: Yes, and it's based on limited data, limited plant data.

MICHAEL DILLON: I have that under your release, okay.

BRUCE WATSON: Okay.

MICHAEL DILLON: I think we'll have a little duplication, but that should be fine.

BRUCE WATSON: Okay. It's just, it is what we think it is.

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1 MICHAEL DILLON: Okay. Did you want the

2 (b)(5)

3 (b)(5)

4 BRUCE WATSON: Yes,

5 (b)(5)

6 JERRY GUARINO: How about if we said

7 (b)(5)

8 (b)(5)

9 MICHAEL DILLON:

10 (b)(5)

11 JERRY GUARINO: -- (indiscernible)

12 (b)(5)

13 (b)(5)

14 BRUCE WATSON: For the reactor core, it is,
15 on Unit 2, but for the spent fuel pools, they are releasing
16 directly to the atmosphere.

17 MICHAEL DILLON: So we --

18 JERRY GUARINO: Okay, but --

19 MICHAEL DILLON: -- put that phrase in --

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1 JERRY GUARINO: -- I think we can make a
2 statement about that, when we get to those. Because,

3 (b)(5)
4

5 I don't know that we have any say, any guidance,
6 really, what to use for a release fraction, so we pick

7 (b)(5)

Everybody agree, or not?

8 MICHAEL DILLON: I'm happy to write what
9 the other folks agree to.

10 BRUCE WATSON: Just summarize what you just
11 said, please.

12 MICHAEL DILLON: Okay. After the first
13 statement, I don't know if you want me to read it again,

14 (b)(5)
15
16

17 BRUCE WATSON: Okay.

18 MICHAEL DILLON: Period.

19 BRUCE WATSON: All right.

20 JERRY GUARINO: Okay, let's move on to Unit
21 3.

22 MICHAEL DILLON: Okay, hold on one second:

23 (b)(5)

that

24 are currently there, correct?

25 JERRY GUARINO: Okay, good.

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1 MICHAEL DILLON: Okay. Those are gone.
2 Unit 3.

3 JERRY GUARINO: Again, I think we can move
4 the description, one-third of the core, if we get that
5 close to (indiscernible).

6 MICHAEL DILLON: Okay, I'm moving it above
7 reactor power, now. Otherwise, unchanged.

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JERRY GUARINO:

(b)(5)

(b)(5)

(b)(5)

Let's, I'm just, this is word smithing,

I apologize.

(b)(5)

(b)(5)

BRUCE WATSON: That's okay.

JERRY GUARINO: Then, we want to say that,

(b)(5)

BRUCE WATSON: I don't think that we, that

(b)(5)

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JERRY GUARINO: Okay, what's enough time?

BRUCE WATSON: Twenty-four hours.

JERRY GUARINO: That's (indiscernible).

BRUCE WATSON: Twenty-four to 48 hours, is what our estimate shows.

JERRY GUARINO: Hours?

BRUCE WATSON: Yes.

JERRY GUARINO: NARAC, do we know what's driving the dose?

MICHAEL DILLON: For the iodine tag, obviously, it's the Iodine-131.

MALE PARTICIPANT: Which is not very important, with the spent fuel. Although, there's a little bit left.

MICHAEL DILLON: For the Cesium, I, honestly, would have to get back with the same Home Team, to find which of the nuclides are there. The Cesium is used, as a marker nuclide, not necessarily the dose-causing one.

MALE PARTICIPANT: But for the ground shine it's --

MICHAEL DILLON: But for ground shine.

MALE PARTICIPANT: -- it's a good

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1 representative fission fragment for that.
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JERRY GUARINO: -- allowed here. All of

the (indiscernible) (b)(5)

(b)(5)

MICHAEL DILLON: May I suggest a wording?

I was typing while you were talking.

JERRY GUARINO: Sure.

MICHAEL DILLON: After the parenthesis, of

(b)(5)

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3 BRUCEWATSON: John? Hey, John? Hey, John?
4 John? No. Or is it Matt?

5 JERRY GUARINO: It's Michael.

6 MICHAEL DILLON: It's Michael, here at NARAC.
7 Are you looking for John Naastrom?

8 BRUCE WATSON: No, no, it's Michael, okay.
9 It's NARAC, yes. I had a question, in the beginning,
10 about Unit 2, and, or excuse me, I think it was, the
11 open item I had from the beginning, and it really dealt
12 with Unit 3, and we resolved the issue, the data we gave
13 you is good. We went back into source documents, it
14 just didn't look good to me, right now, but it's fine.

15 MICHAEL DILLON: Okay.

16 BRUCE WATSON: Okay?

17 MICHAEL DILLON: So --

18 BRUCE WATSON: There's no open item there.

19 MICHAEL DILLON: Okay, just to confirm, the
20 source term we're using, summarized by that email sent

21 --

22 BRUCE WATSON: Right, it --

23 MICHAEL DILLON: -- way too many hours ago

24 --

25 BRUCE WATSON: Yes.

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1 MICHAEL DILLON: -- that we've all agreed
2 on, is still valid.

3 BRUCE WATSON: Yes. It, for some reason,
4 looked kind of funny to me, so I had them go back to
5 the source documents --

6 MICHAEL DILLON: I absolutely understand.
7 I've been --

8 BRUCE WATSON: (Indiscernible) found one
9 good mixer, mix (indiscernible).

10 MICHAEL DILLON: -- literally, five times,
11 checking my own work, at this point.

12 BRUCE WATSON: Okay. So everything looks
13 good there, not an open item.

14 MICHAEL DILLON: Thank you, sir.

15 BRUCE WATSON: Okay.

16 JERRY GUARINO: Okay, the only other thing

17 (b)(5)

18
19 (b)(5)

20 Is that true? Otherwise, somebody's going
21 to want (indiscernible).

22 BRUCE WATSON: Yes, that is a true statement.
23 We ran those yesterday, or the day before, and they're
24 not important for the short-term releases, but they may
25 be important to someone who goes to recovery these pools

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1 at a later date.

2 JERRY GUARINO: So could you --

3 MICHAEL DILLON: I would suggest then, under

4 (b)(5)

6 (b)(5)

7 BRUCE WATSON: Yes,

8 (b)(5)

9 JERRY GUARINO: Yes.

10 MICHAEL DILLON: Okay. Can you repeat that,
11 slower?

12 BRUCE WATSON: Yes. You can say that, the

13 (b)(5)

14
15
16 MICHAEL DILLON: And, sorry, the very last
17 phrase, again, (b)(5)

18 BRUCE WATSON: (b)(5)

19 (b)(5)

where ever it goes.

20 MICHAEL DILLON: (b)(5) --

21 MALE PARTICIPANT: (b)(5)

22 (indiscernible).

23 BRUCE WATSON: Yes. It doesn't --

24 MICHAEL DILLON: Yes. Let me read the exact
25 phrase back to you.

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1 BRUCE WATSON: Okay. It was just me, go
2 ahead.

3 MICHAEL DILLON: Okay. So underneath the

4 (b)(5)

5
6
7
8
9 BRUCE WATSON: Right.

(b)(5)

10 (b)(5)

11 JERRY GUARINO: Okay.

12 MICHAEL DILLON: Understood.

13 BRUCE WATSON: Okay.

14 MICHAEL DILLON:

(b)(5)

15 (b)(5)

16 BRUCE WATSON: No, no, no, that's too much
17 (indiscernible).

18 MICHAEL DILLON: (Indiscernible). I'm
19 sorry, I'm at the --

20 BRUCE WATSON: No, I just --

21 MICHAEL DILLON: -- aero-minded focus.

22 BRUCE WATSON: I'm just trying to confirm
23 what we're saying is a valid fact. Yes. Then it's --

24 MICHAEL DILLON: Okay. Hold on, one second,
25 Steve would like to have a comment here.

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1 STEVE HOMANN: Yes, depending upon the

2 (b)(5)

3
4
5 BRUCE WATSON: Yes, but I'm saying, right

6 now, (b)(5)

7 not (indiscernible).

8 STEVE HOMANN: Okay. I just wanted to make

9 (b)(5)

10 BRUCE WATSON: Okay. Yes.

11 MICHAEL DILLON: (b)(5)

12 (b)(5)

here.

13 BRUCE WATSON: You can add it in.

14 MICHAEL DILLON: So I'll say, (b)(5)

15 (b)(5)

16
17 STEVE HOMANN: Yes.

18 MICHAEL DILLON: - (b)(5)

19 (b)(5)

20 BRUCE WATSON: Right.

21 JERRY GUARINO: (Indiscernible) near term

22 (indiscernible).

23 BRUCE WATSON: (b)(5)

yes, that's

24 --

25 MICHAEL DILLON: (b)(5)

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1 term?

2 BRUCE WATSON: Yes, that's good. That's
3 (indiscernible).

4 MICHAEL DILLON: Okay, let me, hold on one
5 second.

6 BRUCE WATSON: Okay.

7 MICHAEL DILLON: Okay, I'm going to re-read
8 that parenthetical phrase. (b)(5)

9 (b)(5)
10
11

12 BRUCE WATSON: That's good.

13 MICHAEL DILLON: We have a winner.

14 BRUCE WATSON: Okay.

15 JERRY GUARINO: Okay, Unit 4, there's a 4A
16 and a 4B, is this the pool in the reactor building, and
17 the pool outback, or something like that? Is it all
18 in the same pool?
19
20
21
22
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JERRY GUARINO: You guys still there?

MICHAEL DILLON: I'm sorry, I got
distracted.

BRUCE WATSON: I'm sorry. Could we go back?

MALE PARTICIPANT: My fault, I interrupted,
gentlemen.

JERRY GUARINO: Can you explain the, what's
difference, what's 4A and 4B, are these two separate
pools or two separate batches in this thing?

BRUCE WATSON: No, it's, (b)(5)

(b)(4),(b)(5)

MICHAEL DILLON: (b)(5)

(b)(5)

BRUCE WATSON: Okay. We just can't model
them together.

MICHAEL DILLON: Understood.

BRUCE WATSON: Yes.

MICHAEL DILLON: Does that work for you,
Jerry?

JERRY GUARINO: Yes, and we need a little

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(b)(5)

(indiscernible).

MICHAEL DILLON: Okay. So I now have a

(b)(5)

JERRY GUARINO:

(b)(5)

(b)(5)

MICHAEL DILLON:

(b)(5)

(b)(5)

JERRY GUARINO: Okay. And then, just like

(b)(5)

MICHAEL DILLON: So I suggest, if it's

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(b)(5)

BRUCE WATSON: Go ahead and (indiscernible).

MICHAEL DILLON: Sorry, I got interrupted again, read it, if anyone wants.

BRUCE WATSON: Can you read it again, please?

MICHAEL DILLON: Okay. The proposed Unit

(b)(5)

(b)(5)

BRUCE WATSON:

MICHAEL DILLON: Yes, that would probably

be a good one. Hold on.

(b)(5)

(b)(5)

(b)(5)

BRUCE WATSON:

it's

fine.

MICHAEL DILLON: Okay.

BRUCE WATSON:

(b)(5)

JERRY GUARINO:

(b)(5)

(b)(5)

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1 BRUCE WATSON: Yes.

2 MICHAEL DILLON: Yes. That's good. Okay.

3 JERRY GUARINO: (b)(5)

4 (b)(5)

5 MICHAEL DILLON: Then I also have the, a

6 (b)(5)

from before.

7 BRUCE WATSON: Okay.

8 MICHAEL DILLON: Want me to read that again?

9 BRUCE WATSON: Go ahead, just for
10 completeness.

11 MICHAEL DILLON: (b)(5)

12 (b)(5)

14 BRUCE WATSON: I think we did it, our thing

15 (b)(5)

16 MICHAEL DILLON: (b)(5)

17 BRUCE WATSON: Yes, (b)(5)

18 (b)(5)

Okay?

19 MICHAEL DILLON: Or, do you want me to say

20 --

21 BRUCE WATSON: (Indiscernible). What you

22 (b)(5)

23
24
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1 (b)(5)

2 MICHAEL DILLON: Let me, let me, let me --

3 BRUCE WATSON: Okay, digest that.

4 MICHAEL DILLON: Oh, no, let me just read

5 it back to you. (b)(5)

6 (b)(5)

7
8 BRUCE WATSON: Okay. That's better. We
9 don't know what the rate is, but we know it's going to
10 happen pretty fast.

11 MICHAEL DILLON: Okay.

12 JERRY GUARINO: Okay. So now, I was reading

13 (b)(5)

14
15
16 MICHAEL DILLON: So I want to be very clear

17 here, Jerry, (b)(5)

18 (b)(5)

19
20
21
22 JERRY GUARINO: Okay. (b)(5)

23 (b)(5)

24
25 MICHAEL DILLON: Okay.

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1 MICHAEL DILLON: (b)(5)

2 (b)(5)

3 JERRY GUARINO: Let's just, I mean --

4 MICHAEL DILLON: (b)(5)

5 (b)(5)

6
7
8 JERRY GUARINO: (b)(5)

9 (b)(5)

10
11
12
13
14 MALE PARTICIPANT: (b)(5)

15 (indiscernible).

16 JERRY GUARINO: -- (b)(5)

17 (b)(5)

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1 (b)(5)

2
3
4 MICHAEL DILLON: (b)(5)

5 (b)(5)

6
7
8
9 JERRY GUARINO: Okay, sure. Maybe we --

10 BRUCE WATSON: Well, let me ask a question
11 then, is --

12 JERRY GUARINO: -- so (indiscernible)

13 (b)(5)

14
15
16 (b)(5)

(indiscernible).

17 BRUCE WATSON: Let me ask a different
18 question then, (b)(5)

19 (b)(5)

20
21
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25 MICHAEL DILLON: (b)(5)

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1 runs, and I brought a completed side note, just so we're

2 --

3 BRUCE WATSON: Okay. Yes. I'm just saying

4 --

5 MICHAEL DILLON: -- for further
6 conversations. The local Japan series runs, we actually
7 use your full-time series, this is just the, the
8 Transpacific ones are doing this --

9 BRUCE WATSON: Okay, (b)(5)

10 (b)(5)

11 MICHAEL DILLON: (b)(5)

12 (b)(5)

13 BRUCE WATSON: Okay.

14 MICHAEL DILLON: I just wanted to make sure
15 that was clear.

16 BRUCE WATSON: Okay.

17 MICHAEL DILLON: Getting back to our main
18 topic of conversation, (b)(5)

19 (b)(5)

22 BRUCE WATSON: Okay.

23 MICHAEL DILLON: So --

24 BRUCE WATSON: I don't think it really
25 matters that much.

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1 JERRY GUARINO: No.

2 MICHAEL DILLON: It really doesn't matter
3 much.

4 BRUCE WATSON: Okay.

5 MICHAEL DILLON: I mean, there's always the
6 detailed shift, but --

7 BRUCE WATSON: Yes.

8 MICHAEL DILLON: -- it basically doesn't
9 matter.

10 BRUCE WATSON: Okay.

11 JERRY GUARINO: And the reason, just so I

12 (b)(5)
13
14

15 MICHAEL DILLON: We're crunching raw
16 calculation time. We're doing the whole hemisphere.

17 JERRY GUARINO: Right.

18 MICHAEL DILLON: And so, yes, it's
19 technically possible, when you've got a tight turn around
20 and we keep iterating then, we need that flexibility.

21 BRUCE WATSON: Okay.

22 JERRY GUARINO: Okay, are we good with Unit
23 4?

24
25
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JERRY GUARINO: (b)(5)

(b)(5)

MICHAEL DILLON: I'm sorry, what was the final judgment on that last phrase?

JERRY GUARINO: Because this question has

(b)(5)

MICHAEL DILLON: So can we just say, it's

(b)(5)

BRUCE WATSON: That's fine with us. We know what numbers we put in.

MICHAEL DILLON: So we further assume that

(b)(5)

BRUCE WATSON: That's fine.

MICHAEL DILLON: Jerry?

JERRY GUARINO: (b)(5)

(b)(5)

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BRUCE WATSON: We're still talking about
the fuel pool, right?

MICHAEL DILLON: Yes.

JERRY GUARINO: Yes.

BRUCE WATSON: Okay, I would say that, given

(b)(5)

MICHAEL DILLON: So the phrase, given the
above assumptions --

BRUCE WATSON: Yes.

MICHAEL DILLON: -- realistic to assume,

(b)(5)

BRUCE WATSON: Yes.

MICHAEL DILLON: That meets everyone's
needs?

JERRY GUARINO: Sounds good.

MICHAEL DILLON: Hold on, let me read it
one more time, bear with me. Given, I'm going to read
the whole sub-bullet, (b)(5)

(b)(5)

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(b)(5)

JERRY GUARINO: Okay.

BRUCE WATSON: That's fine with me. Fine
with the NRC.

MICHAEL DILLON: Okay.

JERRY GUARINO: (b)(5)

(b)(5)

MICHAEL DILLON: Okay, so the phrase that,

(b)(5)

JERRY GUARINO: Yes, but let's take out the

(b)(5)

I think that --

BRUCE WATSON: Yes. What this really should

say is, (b)(5)

(b)(5)

JERRY GUARINO: Yes.

BRUCE WATSON: Okay? Because we're --

MICHAEL DILLON: Okay. So the first line

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1 for (indiscernible) NRC Source Summary, all the way up
2 at the top, now reads, (b)(5)

3 (b)(5)
4
5

6 BRUCE WATSON: I would say, (b)(5)

7 (b)(5)

8 MICHAEL DILLON: (b)(5)

9 (b)(5)

10 BRUCE WATSON: Yes, (b)(5)

11 (b)(5)
12
13
14

15 JERRY GUARINO: That sounds good, that's
16 a good statement.

17 MICHAEL DILLON: Okay, so we have that.

18 BRUCE WATSON: Okay.

19 MICHAEL DILLON: And going back to the

20 (b)(5)
21

22 JERRY GUARINO: Yes, let's get rid of all
23 that.

24 MICHAEL DILLON: Okay, I am deleting, the

25 (b)(5)

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(b)(5)

(b)(5)

(indiscernible).

JERRY GUARINO:

(b)(5)

(b)(5)

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MICHAEL DILLON: Does the NRC concur?

BRUCE WATSON: Well, it is a true statement

(b)(5)

JERRY GUARINO: And so I'm trying to understand that.

MICHAEL DILLON: It would be additional, additions comment.

JERRY GUARINO: You think that

(b)(5)

(b)(5)

right?

BRUCE WATSON: Well,

(b)(5)

(b)(5)

MICHAEL DILLON: Okay,

(b)(5)

(b)(5)

BRUCE WATSON: Right.

MICHAEL DILLON: Okay. Gone.

BRUCE WATSON: Okay.

JERRY GUARINO: Okay.

(b)(5)

(b)(5)

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(indiscernible)

(b)(5)

(b)(5)

(b)(5)

MICHAEL DILLON:

(b)(5)

(b)(5)

BRUCE WATSON: Yes.

(b)(5)

JERRY GUARINO: Okay.

MICHAEL DILLON: How about, some

(indiscernible)

(b)(5)

BRUCE WATSON: Yes.

JERRY GUARINO: Okay, fine. That's okay.

Now, Pages 5 to 7, you could take the NRC file name,
date received by NARAC, time received by NARAC.

MICHAEL DILLON: Okay.

JERRY GUARINO: (Indiscernible).

MICHAEL DILLON: They are gone.

JERRY GUARINO: Okay. I think that's good
for now. We'll give it another read, when you get it
printed. So let's go on to the other document. I think,

(b)(5)

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MICHAEL DILLON: Okay.

BRUCE WATSON: I would prefer we just call it the, what did we call it in NRC, the, I think we called it, no, where's that email, where'd that email go.

MALE PARTICIPANT: Do you have it?

BRUCE WATSON: Yes.

(b)(5)

(b)(5)

We don't really want to,

or --

MALE PARTICIPANT: I didn't see anything

--

BRUCE WATSON: No, no, no, this is this one, the one, we're still going over the --

MALE PARTICIPANT: Is there a label or title on the run?

BRUCE WATSON: Yes.

MALE PARTICIPANT: This is theirs, right?

BRUCE WATSON: Yes. Do you want to call it Super Core?

MALE PARTICIPANT: This one here's Super Core.

BRUCE WATSON: Yes.

MALE PARTICIPANT: That's fine.

BRUCE WATSON: Okay, we'll --

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1 MALE PARTICIPANT: NRC's Super Core Source
2 Term.

3 BRUCE WATSON: Yes, we'll call it Super Core,
4 that's fine.

5 MALE PARTICIPANT: We agree that
6 (indiscernible).

7 BRUCE WATSON: I wanted to make sure that
8 we didn't have it called something in here.

9 MALE PARTICIPANT: And nothing in here says
10 it's worse case.

11 BRUCE WATSON: Okay.

12 MALE PARTICIPANT: It just says it's a
13 situation.

14 MICHAEL DILLON: And you're working on a
15 larger case, right now, correct?

16 BRUCE WATSON: Right. We're going to call
17 that, something else, but --

18 MICHAEL DILLON: Okay. So as a phrase, Jerry,
19 let me know if this meets your needs.

20 JERRY GUARINO: Okay.

21 MICHAEL DILLON: The NRC Protective Measures
22 Team developed and improved a source term (called Super
23 Core), that provides the total quantity material released
24 for nuclides.

25 JERRY GUARINO: Okay. That's good. I think,

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1 NARAC, you, also, were involved, and you concurred on
2 the reasonableness of this, you were involved in
3 generating this source term, right?

4 MICHAEL DILLON: We were involved in
5 processing the source term for use in our modeling, and
6 involved in assuring that the NRC has reviewed and improved
7 both the processing at the appropriate processing
8 (indiscernible). We didn't destroy the correct values
9 in what we did. It's not, honestly, my expertise to
10 be able to say the reasonableness or not.

11 JERRY GUARINO: Okay. Okay, the next bullet
12 is about meteorology.

13 MICHAEL DILLON: Hold on one second, I had
14 a comment here from Steve. Instead of nuclides, 24-foot
15 radio nuclides.

16 JERRY GUARINO: Sure, I don't care, you do.

17 MICHAEL DILLON: Thank you.

18 JERRY GUARINO: Okay, the next one is about

19 (b)(5)
20
21
22
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1 MICHAEL DILLON: These cases were chosen,
2 to my understanding, and I will actually say, I wasn't
3 involved in that particular choice of scenarios, so the
4 true detail matters, I'll have to get back with you.

5 (b)(5)
6
7
8
9
10
11
12
13
14

15 JERRY GUARINO: Right. So I think we need

16 (b)(5)
17

18 (b)(5)

Like that.

19 MICHAEL DILLON: Ends from, okay, hold on
20 one second.

21 BRUCE WATSON: This is Bruce. I just think
22 you need to say, that these are hypothetical.

23 JERRY GUARINO: Okay, that's a good word.

24 BRUCE WATSON: Okay? Because we don't know
25 what it actually will be.

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1 MICHAEL DILLON: These aren't hypothetical,
2 these are real winds data. It just, the overall scenario's
3 hypothetical, because we have a hypothetical release,
4 essentially.

5 BRUCE WATSON: Okay, I see that at the top,
6 but --

7 MICHAEL DILLON: But the wind cases,
8 themselves, are real wind cases, they're not hypothetical
9 wind cases.

10 JERRY GUARINO: But they're still --

11 BRUCE WATSON: Okay, but they're based on
12 history?

13 MICHAEL DILLON: They're based on history.

14 BRUCE WATSON: Okay, so they are historical
15 wind cases.

16 MICHAEL DILLON: Well, actually, hold on
17 one second. (b)(5)

18 (b)(5)

19
20 JERRY GUARINO: We want to say that, in

21 (b)(5)

22
23
24 BRUCE WATSON: Yes, and maybe, you say that
25 in the beginning.

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JERRY GUARINO: (Indiscernible)

(b)(5)

(b)(5)

BRUCE WATSON: It's not meant for us.

JERRY GUARINO: -- is not an issue.

MICHAEL DILLON: So how about this,

(b)(5)

(b)(5)

JERRY GUARINO: Okay.

MICHAEL DILLON: Does that work?

BRUCE WATSON:

(b)(5)

(b)(5)

MICHAEL DILLON:

(b)(5)

(b)(5)

(b)(5)

These (indiscernible).

JERRY GUARINO: I'm thinking that --

BRUCE WATSON: (Indiscernible) but the
source term is.

JERRY GUARINO: -- (indiscernible) that if

(b)(5)

MICHAEL DILLON: Agreed, agreed. And it's

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1 (b)(5)

2

3 BRUCE WATSON: Okay.

4 MICHAEL DILLON: -- say, (b)(5)

5 (b)(5)

6 JERRY GUARINO:

(b)(5)

7 (b)(5)

8

9

10

11

12

13 MICHAEL DILLON: So how about this phrase,

14 (b)(5)

15

16

17

18

19

20 JERRY GUARINO: On areas of interest, for

21 sure.

22 MICHAEL DILLON: Predicted for areas of

23 interest. Okay, let me read that back again, unless

24 someone has a general objection? Okay. (b)(5)

25 (b)(5)

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1 (b)(5)

2

3

4 JERRY GUARINO: Okay.

5 MICHAEL DILLON: I'll add some minor phrase,

6 after that, (b)(5)

7 (b)(5)

8 JERRY GUARINO: Okay. Another general

9 (b)(5)

10

11

12

13 MICHAEL DILLON: Thank you, I will. (b)(5)

14 (b)(5)

15

16 JERRY GUARINO: Okay. Let's see, we

17 (b)(5)

18

19

20 (b)(5)

21 MICHAEL DILLON:

22 (b)(5)

23

24

25 STEVE HOMANN: Well, it's the ground shine

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(b)(5)

MICHAEL DILLON: Okay. And the --

STEVE HOMANN: It's true to the mixture.

MICHAEL DILLON: Okay.

STEVE HOMANN:

(b)(5)

MICHAEL DILLON:

(b)(5)

(b)(5)

STEVE HOMANN:

(b)(5)

(b)(5)

MICHAEL DILLON:

(b)(5)

(b)(5)

STEVE HOMANN: Yes, because people

(indiscernible).

MICHAEL DILLON:

(b)(5)

--

STEVE HOMANN:

(b)(5)

(b)(5)

MICHAEL DILLON: All right, just give me

half a second here. I'm going to put you on --

JERRY GUARINO:

(b)(5)

(b)(5)

STEVE HOMANN: Right, but people have been

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(b)(5)

MICHAEL DILLON: Or a shine

(indiscernible). Okay, let me read this here.

(b)(5)

(b)(5)

(b)(5)

JERRY GUARINO:

(b)(5)

right?

MICHAEL DILLON:

(b)(5)

(b)(5)

(b)(5)

STEVE HOMANN:

(b)(5)

MICHAEL DILLON: Okay,

(b)(5)

(b)(5)

STEVE HOMANN: Great.

JERRY GUARINO: What about all the other
things in the source term, are they --

MICHAEL DILLON: They're in, we're using

(b)(5)

JERRY GUARINO: Okay.

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1 MICHAEL DILLON:

(b)(5)

2 (b)(5)

3 STEVE HOMANN:

(b)(5)

4 MICHAEL DILLON: Should I reread the
5 sentence?

6 JERRY GUARINO: We've already got this in
7 a bullet, I think.

8 MICHAEL DILLON: Yes, I think this sounds
9 good, unless you want me to read it again.

10 JERRY GUARINO: Well, let's just leave it,
11 for now, because we might come to some more later. Okay,

12 (b)(5)

13
14
15
16 (b)(5)

17 okay.

18 MICHAEL DILLON: Okay, I've deleted the

19 (b)(5)

20 JERRY GUARINO: And then, you know,

(b)(5)

21 (b)(5)

22
23
24
25 MICHAEL DILLON: Appendix, correct.

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1 JERRY GUARINO: And then, it says, more

2 (b)(5)

3
4 to be capitalized.

5 MICHAEL DILLON: You want appendix left
6 capitalized?

7 JERRY GUARINO: If it's only one, sure.
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MICHAEL DILLON: Okay, I'm back.

JERRY GUARINO: Okay, I'm looking at the

(b)(5)

the --

MICHAEL DILLON: We have that, where? Sorry,

I didn't see that earlier.

(b)(5)

JERRY GUARINO:

MICHAEL DILLON: (Indiscernible).

(b)(5)

JERRY GUARINO:

(b)(5)

MICHAEL DILLON: In the?

JERRY GUARINO: That bullet there.

MICHAEL DILLON: Okay.

(b)(5)

(b)(5)

you mean?

JERRY GUARINO: Yes.

MICHAEL DILLON: Okay. Why don't I work

(b)(5)

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1 BRUCE WATSON: Okay, this --

2 JERRY GUARINO: (Indiscernible).

3 BRUCE WATSON: -- this is the NRC.

4 MICHAEL DILLON: Yes, sir.

5 JERRY GUARINO: Yes.

6 BRUCE WATSON: At the top of Page 2, it says

7 (b)(5)

8
9
10
11

12 MICHAEL DILLON: So I mean, there obviously,
13 let me start by answering your questions in order.

14 BRUCE WATSON: Okay.

15 MICHAEL DILLON:

(b)(5)

16 (b)(5)

17
18
19
20
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23

24 BRUCE WATSON: I still don't understand.

25 JERRY GUARINO:

(b)(5)

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1 those sub-bullets, then.

2 MICHAEL DILLON: Okay, so you want the

3 (b)(5)

4 BRUCE WATSON: So those are just references
5 to particular cases that you were using?

6 MICHAEL DILLON:

(b)(5)

7 (b)(5)

8 BRUCE WATSON: Oh, okay.

(b)(5)

9 (b)(5)

10
11 MICHAEL DILLON: Not in the least. We're

12 --

13 BRUCE WATSON: Okay, okay, I just wanted
14 to make sure.

15 MICHAEL DILLON: No, we are modeling --

16 BRUCE WATSON: Okay.

17 MICHAEL DILLON:

(b)(5)

18 (b)(5)

19
20 BRUCE WATSON: Okay.

21 JERRY GUARINO: Well, in this case, I think

22 (b)(5)

23
24 MICHAEL DILLON: I understand.

25 BRUCE WATSON: Like we did.

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1 MICHAEL DILLON: I understand. I'm going
2 to have to get back to you. I am going to put that as
3 a comment for me, I'm going to check with my management,
4 and I will get back to you, if there's a reason I cannot
5 delete that.

6 JERRY GUARINO: Well, if there's a reason
7 you cannot delete it, tell them to give us a call.

8 MICHAEL DILLON: Exactly.

9 BRUCE WATSON: Yes.

10 MICHAEL DILLON: I'm going to take a note,
11 I'm just flagging that point.

12 BRUCE WATSON: I just think you have to just

13 (b)(5)

(b)(5)

14 JERRY GUARINO: It's,

15 (b)(5)

what does that mean?

(b)(5)

16 MICHAEL DILLON:

17 (b)(5)

23 STEVE HOMANN: A common terminology.

24 JERRY GUARINO: So, you know, it looks like
25 these last two bullets are the same. We just want to

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(b)(5)

(b)(5)

STEVE HOMANN:

MICHAEL DILLON: So should we combine the
two bullets then?

JERRY GUARINO: Yes.

MICHAEL DILLON: So let me --

JERRY GUARINO: Basically, we're just saying,

(b)(5)

MICHAEL DILLON: That is true, you will see,

like, Chernobyl is a good example of this. You will
see enormous boosts in surface concentration with the
right precipitation and in the clouds. What I will --

JERRY GUARINO: And you might want, and that

(b)(5)

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1 MICHAEL DILLON: So let me suggest, this

2 (b)(5)

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11 JERRY GUARINO: I mean, that's true, whether

12 (b)(5)

13 or, okay.
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JERRY GUARINO: Okay, in Table 1, I think,

(b)(5)

MICHAEL DILLON: Okay.

JERRY GUARINO: Some and not others.

MICHAEL DILLON: I was going to suggest

(b)(5)

JERRY GUARINO: Okay, fine.

MICHAEL DILLON: And I'm going to put a double
asterisk. And unless you want it right at this moment,

(b)(5)

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JERRY GUARINO: Okay. So I'm now below the

(b)(5)

is that right?

MICHAEL DILLON: Per picocurie per metered
square, yes.

JERRY GUARINO: So I'm going to recommend

(b)(5)

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JERRY GUARINO: -- just for the use of the

--

MICHAEL DILLON: Sorry. We're coordinated back in. So, Jerry, let me read back what, I'm hoping, is your part.

STEVE HOMANN: I need something ahead --

MICHAEL DILLON:

(b)(5)

(b)(5)

(b)(5)

JERRY GUARINO:

(b)(5)

STEVE HOMANN: Yes. Thank you.

MICHAEL DILLON: Thank you, for the

(b)(5)

JERRY GUARINO: So I guess, what I'm saying

(b)(5)

MICHAEL DILLON: Agreed. They probably know what a units conversion is.

JERRY GUARINO: So I think, if we just say,

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1 (b)(5)

2
3
4 (indiscernible).

5 MICHAEL DILLON: Okay. So the bullet then,

6 (b)(5)

7
8 --

9 STEVE HOMANN: (b)(5)

10 MICHAEL DILLON: (b)(5)

11 (b)(5)

12
13
14 JERRY GUARINO: Okay. Next, this source
15 term document, that we just finished, can you email that
16 to NIT Ops and the NRC?

17 MICHAEL DILLON: Yes, let me just tidy, do
18 you want me to finish tidying up the few things I had
19 left to do?

20 JERRY GUARINO: Just email it now, because
21 I've got to brief the Under Secretary on it. And I'll
22 tell him we're almost done, but --

23 MICHAEL DILLON: But, the items in yellow
24 are the items left to clean up. There is one item we
25 had deferred from earlier, do you want me to bring that

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1 up now?

2 JERRY GUARINO: Just email, I'll let him
3 know it's draft, and we'll get that fixed, but just email
4 it so I have something in my hands to brief him on.

5 MICHAEL DILLON: I will email it, as soon
6 as we get off this call. Anything else?

7 JERRY GUARINO: Well then, let's get off
8 the call. I think, the summary part, could be moved
9 to the top. All that executive summary, move that to
10 the top of the document. And you say, (b)(5)

11 (b)(5)

12 if you guys agree?

13 MICHAEL DILLON: I need to think, and I'm
14 not going to be thinking because it's right at the end
15 of it. I will get right back to you on that.

16 JERRY GUARINO: And also, I think, NRC, are
17 you guys still on?

18 BRUCE WATSON: Yes, we're still on.

19 JERRY GUARINO: So let me ask you this

20 (b)(5)

21
22 (b)(5)

23 or what?

24 BRUCE WATSON: Can you say it, again, and
25 I'm trying, I'm still having difficulty hearing you,

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1 Jerry.

2 JERRY GUARINO: Okay, I'm looking at one

3 (b)(5)

4 file.

5 BRUCE WATSON: Okay.

6 JERRY GUARINO:

(b)(5)

7 (b)(5)

8
9
10 this would really be what we get, I mean, do you have
11 some sense of that?

12 BRUCE WATSON: Well, I would think we would

13 (b)(5)

14
15
16
17
18 or whatever. Do you understand what I'm saying?

19 JERRY GUARINO: Yes.

20 BRUCE WATSON: I don't really have, I don't

21 (b)(5)

22
23
24
25 MICHAEL DILLON: That is correct, it does

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1 (b)(5)

2 BRUCE WATSON: Yes. So, you know, if you

3 (b)(5)

4
5
6 JERRY GUARINO: Okay, let's get a bullet
7 like that in the Executive Summary. Let me ask, NARAC,
8 this question, suppose I ran this again, with the different

9 (b)(5)

10
11 MICHAEL DILLON: I'm less worried about the

12 (b)(5)

13
14
15
16 JERRY GUARINO: So I guess, what I'm trying

17 (b)(5)

18
19 MICHAEL DILLON: So I'm sorry, to stall.

20 JERRY GUARINO: I'm trying to get a plus
21 or minus on this.

22 MICHAEL DILLON: I know what you're going
23 for, I can't quite give you that, in a clean way. There's

24 (b)(5)

25
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1 (b)(5)
2
3

4 JERRY GUARINO: And do you know, how do you

5 (b)(5)
6
7

8 MICHAEL DILLON: I, honestly, don't have

9 (b)(5)
10
11
12
13
14
15

16 JERRY GUARINO: Okay. Can you put a bullet

17 (b)(5)
18
19
20
21
22
23

24 MICHAEL DILLON: Yes. Matt --

25 JERRY GUARINO: (Indiscernible).

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1 MICHAEL DILLON: And I would also point out,

2 (b)(5)

3
4
5
6 BRUCE WATSON: Matt.

7 MICHAEL DILLON: Michael.

8 BRUCE WATSON: Michael, I'm sorry.

9 MICHAEL DILLON: Not a problem, go ahead.

10 BRUCE WATSON: Just one thought, that you
11 guys can consider, is that, and I think we discussed
12 this a little bit this morning on one of the calls, that

13 (b)(5)

14 MICHAEL DILLON: (b)(5)

15 JERRY GUARINO: Yes.

16 BRUCE WATSON: Yes, and so if you're talking

17 (b)(5)

18
19
20 MICHAEL DILLON: We have, explicitly, a
21 bullet for that, as approved by the CM Home Team, in
22 this document.

23 BRUCE WATSON: Okay. I would kind of
24 asterisk that one down to that spot.

25 JERRY GUARINO: Yes, let's get that bullet

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1 up into the Executive Summary.

2 BRUCE WATSON: Okay.

3 MICHAEL DILLON: And we'll pull that bullet
4 in to the Executive Summary and --

5 JERRY GUARINO: You don't need the whole
6 bullet, just the part about, you know what, hey, there's

7 (b)(5)

8 STEVE HOMANN: (b)(5) right?

9 MICHAEL DILLON: I'm going to put in that
10 was currently, to the one I send you, right now, so you
11 have it in your back pocket, I will edit it for the next
12 round.

13 BRUCE WATSON: Okay. I think that's very

14 (b)(5)

15
16 MICHAEL DILLON: Yes.

17 STEVE HOMANN: All of it.

18 BRUCE WATSON: (b)(5)

19 (b)(5)

20
21 MICHAEL DILLON: So that's exactly why we
22 had the bullet there.

23 BRUCE WATSON: Okay.

24 MICHAEL DILLON: Now bullet is in Executive
25 Summary. Again, Jerry, anything in yellow is stuff I

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1 need to edit back. It's kind of there for placeholder
2 for your back to the envelope for the Dep. Sec.

3 JERRY GUARINO: Okay.

4 MICHAEL DILLON: But it will change.

5 JERRY GUARINO: Here's, get those off to
6 me, keep working on them, I'll brief him, if he has questions,
7 we'll get them answered, and then we'll get this finally.

8 MICHAEL DILLON: Okay.

9 JERRY GUARINO: And then, the only thing
10 to keep in mind is that, if we do, do another source
11 term, let's start working this back and to the beginning,
12 so that we have it, just to hand out when we're ready
13 to go.

14 MICHAEL DILLON: Sorry, to phrase that again,
15 you want this document re-written from scratch?

16 JERRY GUARINO: Oh, no. Just something to
17 keep (indiscernible) NRC does another source term, which
18 they're thinking about.

19 MICHAEL DILLON: Yes, we're going to keep
20 this document (indiscernible).

21 JERRY GUARINO: We're going to want a similar
22 document.

23 MICHAEL DILLON: Absolutely. No, we are,
24 explicitly, designing that way.

25 JERRY GUARINO: Okay.

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1 MICHAEL DILLON: Oh, yes. Not looking for
2 more work.

3 JERRY GUARINO: All right, thanks.

4 MICHAEL DILLON: Thank you, so much, folks.

5 BRUCE WATSON: Goodbye.

6 JERRY GUARINO: Michael, send that off, and
7 then, you know, fix those other details, and if you can,
8 send them off, too.

9 MICHAEL DILLON: I am going to send this
10 document, as is. I'm going to work all these over, and
11 we'll send an updated draft to everybody on both sets.

12 JERRY GUARINO: Okay, thanks.

13 MICHAEL DILLON: Thank you.

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(CONFERENCE CALL INITIATED)

0%GWD@2L15365094

OPERATOR: Welcome to AT&T's Teleconference Service. Please, enter your access code, followed by the pound sign. To join the conference, as the host, press star, otherwise, press pound.

There are seven participants on the call, including you. You are joining your conference, as a participant. For a menu of available commands, press star pound.

MALE PARTICIPANT: Who just dialed in?

TRISH HOLAHAN: This is the NRC PMT. This is Trish Holahan, Michelle, and Vince Holahan.

MICHELLE HART: Michelle Hart.

TRISH HOLAHAN: Oh, sorry.

VINCE HOLAHAN: Just a big family.

TRISH HOLAHAN: Yes.

MALE PARTICIPANT: Okay.

(b)(6)

Okay. Is there anyone we should wait for, or should we get started?

FEMALE PARTICIPANT: I don't think anybody else from (indiscernible) is calling.

MALE PARTICIPANT: Who, I'm sorry, who is that speaking?

(b)(6)

This is (b)(6) from

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1 OSTP.

2 MALE PARTICIPANT: Oh, okay. Well, Steve
3 Aoki said, he might join in. It doesn't sound like he's
4 on yet. We might give him another minute.

5 (b)(6)

6 Okay.
7
8
9
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(CONFERENCE CALL INITIATED)

0%GWG) #L15365094

(b)(6)

Who just came on?

STEVE AOKI: Yes, Steve Aoki, here.

(b)(6)

Oh, hi, Steve.

STEVE AOKI: Hi, Steve.

(b)(6)

Would it be okay, if we got started? Steve?

MALE PARTICIPANT: Yes, (indiscernible) I think that's everybody invited.

MALE PARTICIPANT: I'm (indiscernible).

(b)(6)

Okay.

(b)(5)

(b)(5)

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(b)(5)

MALE PARTICIPANT: Right, that's correct.

(b)(6)

Okay.

MALE PARTICIPANT: NRC from Unit 2, right.

(b)(6)

Okay.

FEMALE PARTICIPANT: Well, from Unit 2, Unit
3, Unit 2 reactor.

MALE PARTICIPANT:

(b)(5)

(b)(5)

(b)(6)

(b)(5)

(b)(5)

FEMALE PARTICIPANT:

(b)(5)

(b)(5)

(b)(6)

Right.

(b)(5)

(b)(5)

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(b)(5)

FEMALE PARTICIPANT: Issue date 1600 UCC
March 18th, 2011?

(b)(6)

Yes.

FEMALE PARTICIPANT: Yes.

(b)(6)

Okay. On Page 5 --

MALE PARTICIPANT: Actually, I think it's
18:30, if you see, is that correct? Is that what the
issue date you have?

(b)(6)

Yes, yes, that's what I have.

MALE PARTICIPANT: Okay.

(b)(6)

(b)(5)

(b)(5)

FEMALE PARTICIPANT: Okay.

(b)(6)

Okay, so I'm looking at, there
are two columns, there's the column, it says 2 reactor
and then 4A, spent fuel.

FEMALE PARTICIPANT: Okay.

(b)(6)

(b)(5)

(b)(5)

FEMALE PARTICIPANT: Okay.

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(b)(6)

(b)(5)

(b)(5)

MALE PARTICIPANT: (Indiscernible) burn up,
right?

(b)(6)

(b)(5)

MALE PARTICIPANT: Subject in that some of
the contents are the same burn up rate.

(b)(6)

(b)(5)

MALE PARTICIPANT: (Indiscernible).

(b)(6)

(b)(5)

MALE PARTICIPANT: I see where you're going,
but, anyway, yes.

(b)(6)

(b)(5)

(b)(5)

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FEMALE PARTICIPANT: (b)(5)

(b)(5)

(b)(5)

(b)(6)

VINCE HOLAHAN: So --

(b)(6)

Go ahead.

VINCE HOLAHAN:

(b)(5)

MALE PARTICIPANT: Thirty-three.

VINCE HOLAHAN: --

(b)(5)

(b)(5)

(b)(6)

Right.

VINCE HOLAHAN:

(b)(5)

(b)(5)

(b)(6)

(b)(5)

(b)(5)

FEMALE PARTICIPANT:

(b)(5)

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1 (b)(5)

2 (b)(6)

Right.

3 FEMALE PARTICIPANT: -

(b)(5)

4 (b)(5)

6 (b)(6)

(b)(5)

7 (b)(5)

8 FEMALE PARTICIPANT: Well, that's true, yes,

9 that's true.

10 (b)(6)

(b)(5)

11 (b)(5)

12
13
14
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1 (b)(5)

2

3

4

5

6

7

MALE PARTICIPANT:

(b)(5)

8 (b)(5)

9

(b)(6)

Yes.

10

MALE PARTICIPANT:

(b)(5)

11 (b)(5)

12

13

14

(b)(6)

(b)(5)

15 (b)(5)

16

17

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(b)(5)

FEMALE PARTICIPANT: That is correct.

(b)(6)

Okay.

(b)(5)

(b)(5)

FEMALE PARTICIPANT: All right.

FEMALE PARTICIPANT: Okay.

(b)(6)

(b)(5)

(b)(5)

FEMALE PARTICIPANT: Okay.

(b)(6)

Okay.

(b)(5)

(b)(5)

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(b)(5)

FEMALE PARTICIPANT: Okay.

(b)(6)

(b)(5)

(b)(5)

FEMALE PARTICIPANT: Well, that is what those numbers say.

MALE PARTICIPANT: I think --

FEMALE PARTICIPANT: If that's what we intended, that's a different question.

(b)(6)

(b)(5)

(b)(5)

FEMALE PARTICIPANT: Okay.

(b)(6)

(b)(5)

--

(b)(5)

FEMALE PARTICIPANT: Yes.

FEMALE PARTICIPANT: Yes.

(b)(6)

(b)(5)

(b)(5)

FEMALE PARTICIPANT: Okay.

(b)(6)

(b)(5)

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1 (b)(5)

2

3

4

5

6

FEMALE PARTICIPANT:

(b)(5)

7

(b)(5)

8

(b)(6)

(b)(5)

9

(b)(5)

10

11

12

13

FEMALE PARTICIPANT: Okay.

14

(b)(6)

(b)(5)

15

(b)(5)

16

17

18

19

FEMALE PARTICIPANT: Okay.

20

(b)(6)

(b)(5)

21

(b)(5)

22

FEMALE PARTICIPANT: Yes.

23

(b)(6)

(b)(5)

24

(b)(5)

25

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(b)(5)

FEMALE PARTICIPANT: Okay.

MALE PARTICIPANT: Well --

(b)(6)

i think --

(b)(5)

MALE PARTICIPANT:

(b)(5)

(b)(6)

(b)(5)

(b)(5)

MALE PARTICIPANT: Yes.

(b)(6)

(b)(5)

(b)(5)

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(b)(5)

FEMALE PARTICIPANT: That's correct.

(b)(6)

Now, I'm going to go to Table

(b)(5)

MALE PARTICIPANT: (Indiscernible) five.

(b)(6)

Right.

(b)(5)

(b)(5)

FEMALE PARTICIPANT:

(b)(5)

(b)(5)

(b)(6)

(b)(5)

(b)(5)

FEMALE PARTICIPANT: Okay.

(b)(6)

(b)(5)

(b)(5)

FEMALE PARTICIPANT: Okay.

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1 MALE PARTICIPANT: (b)(5)

2 (b)(5)

3
4
5
6
7
8 (b)(6)

9 NRC?

10 FEMALE PARTICIPANT: Do we know who, did

11 (b)(5)

12
13 MALE PARTICIPANT: Yes. Yes.

14 FEMALE PARTICIPANT: Okay. I --

15 MALE PARTICIPANT: So --

16 FEMALE PARTICIPANT: (b)(5)

17 (b)(5)

18 (b)(6)

(b)(5)

19 (b)(5)

20
21
22 FEMALE PARTICIPANT: (b)(5)

23 (b)(5)

24 (b)(6)

25 Okay.

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1 FEMALE PARTICIPANT: So we're working on

2 (b)(5)

3 (b)(6)

(b)(5)

4 (b)(5)

7 FEMALE PARTICIPANT: We'll have --

(b)(5)

8 FEMALE PARTICIPANT:

9 (b)(5)

10 (b)(6)

Yes.

(b)(5)

11 FEMALE PARTICIPANT:

12 (b)(5)

13 (b)(6)

Okay.

14 FEMALE PARTICIPANT:

15 (b)(5)

(b)(5)

16 (b)(6)

Fine.

17 FEMALE PARTICIPANT:

(b)(5)

18 (b)(5)

19 (b)(6)

(b)(5)

20 (b)(5)

21 FEMALE PARTICIPANT: Yes.

22 (b)(6)

(b)(5)

23 (b)(5)

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FEMALE PARTICIPANT:

(b)(5)

(b)(5)

(b)(6)

Yes.

(b)(5)

(b)(5)

FEMALE PARTICIPANT: Okay.

(b)(6)

(b)(5)

(b)(5)

FEMALE PARTICIPANT: Yes.

(b)(6)

(b)(5)

(b)(5)

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FEMALE PARTICIPANT: (b)(5)

(b)(5)

(b)(6)

(b)(5)

(b)(5)

FEMALE PARTICIPANT:

(b)(6)

(b)(5)

(b)(5)

(b)(5)

FEMALE PARTICIPANT:

(b)(5)

(b)(6)

(b)(5)

(b)(5)

FEMALE PARTICIPANT: It --

(b)(6)

(b)(5)

(b)(5)

FEMALE PARTICIPANT:

(b)(5)

MALE PARTICIPANT:

(b)(5)

FEMALE PARTICIPANT: Right.

MALE PARTICIPANT: - (b)(5)

(b)(5)

(b)(5)

FEMALE PARTICIPANT:

(b)(5)

(b)(6)

Okay.

(b)(5)

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(b)(5)

(b)(5)

MALE PARTICIPANT:

(b)(6)

(b)(5)

(b)(5)

MALE PARTICIPANT: Yes.

(b)(6)

(b)(5)

(b)(5)

FEMALE PARTICIPANT:

(b)(5)

(b)(5)

(b)(6)

(b)(5)

FEMALE PARTICIPANT:

(b)(5)

(b)(5)

(b)(6)

(b)(5)

(b)(5)

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(b)(5)

MALE PARTICIPANT: Yes. Yes, that's right,

(b)(6)

It's --

(b)(6)

Okay.

MALE PARTICIPANT:

(b)(5)

(b)(5)

(b)(6)

(b)(5)

(b)(5)

STEVE HOMANN: I

(b)(5)

(b)(6)

Yes.

FEMALE

PARTICIPANT:

Exactly

(indiscernible).

(b)(6)

(b)(5)

(b)(5)

STEVE HOMANN: Yes, this is Steve Homann,

at NARAC.

(b)(5)

(b)(5)

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1 TERRY KRAUS: Okay. (b)(5)

2 (b)(5)

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8 (b)(5)

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11
12 (b)(5)

13 (b)(6)

14 TERRY KRAUS: (b)(5)

15 (b)(5)

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20
21 (b)(6) (b)(5)

22 (b)(5)

23
24
25
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(b)(5)

FEMALE PARTICIPANT: Yes.

(b)(6)

(b)(5)

(b)(5)

(b)(5)

TERRY KRAUS:

(b)(5)

(b)(5)

(b)(6)

(b)(5)

TERRY KRAUS:

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TERRY KRAUS:

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(b)(6)

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(b)(5)

FEMALE PARTICIPANT: Yes.

(b)(6)

(b)(5)

(b)(5)

(b)(5)

TERRY KRAUS:

(b)(5)

(b)(6)

(b)(5)

(b)(5)

(b)(5)

TERRY KRAUS:

(b)(5)

(b)(6)

Yes.

TERRY KRAUS:

(b)(5)

(b)(5)

(b)(6)

Right.

TERRY KRAUS:

(b)(5)

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1 (b)(5)

2

3

4

(b)(6)

Right.

5

TERRY KRAUS:

(b)(5)

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(b)(5)

7

(b)(6)

(b)(5)

8

(b)(5)

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10

TERRY KRAUS:

(b)(5)

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(b)(5)

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STEVE HOMANN:

(b)(5)

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(b)(5)

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(b)(6)

(b)(5)

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STEVE HOMANN:

(b)(5)

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(b)(6)

(b)(5)

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(b)(5)

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(b)(5)

TERRY KRAUS: Okay, again, this is Terry

(b)(5)

(b)(6)

Okay.

TERRY KRAUS:

(b)(5)

(b)(5)

FEMALE PARTICIPANT: Oh, okay.

(b)(6)

(b)(5)

(b)(5)

STEVE HOMANN: (Indiscernible) process

dictates --

(b)(6)

(b)(5)

STEVE HOMANN: -- (indiscernible) dictates

(b)(5)

(b)(6)

(b)(5)

STEVE HOMANN: Maybe that --

(b)(6)

(b)(5)

(b)(5)

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1 STEVE HOMANN: Right.

2 (b)(6)

(b)(5)

3 (b)(5)

4
5
6 TERRY KRAUS: Roger that.

7 STEVE HOMANN: Roger, correct.

8 (b)(6)

(b)(5)

9 (b)(5)

MALE PARTICIPANT:

10 (b)(5)

11 (b)(6)

(b)(5)

12 (b)(5)

13
14
15
16
17
18 TERRY KRAUS:

(b)(6)

(b)(5)

19 Yes.

20 TERRY KRAUS: Yes.

21 (b)(5)

(b)(5)

22 (b)(5)

23 TERRY KRAUS:

(b)(5)

24 (b)(6)

Okay.

25 FEMALE PARTICIPANT: So that's assuming --

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1 MALE PARTICIPANT: Well, let's --

2 (b)(6)

(b)(5)

3 (b)(5)

4 MALE PARTICIPANT: Right.

5 (b)(6)

(b)(5)

6 (b)(5)

7 (b)(5)

8 TERRY KRAUS:

9 (b)(5)

10 (b)(5)

11 (b)(6)

12 (b)(5)

13 (b)(5)

14 TERRY KRAUS:

15 (b)(5)

16 **NEAL R. GROSS**

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(b)(5)

(b)(6)

(b)(5)

(b)(5)

STEVE HOMANN: Steve Homann. I would, my

(b)(5)

STEVE AOKI:

(b)(5)

(b)(6)

Okay.

(b)(5)

STEVE AOKI:

(b)(6)

(b)(5)

FEMALE PARTICIPANT: Yes.

(b)(6)

(b)(5)

(b)(5)

FEMALE PARTICIPANT:

(b)(5)

(b)(5)

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(b)(6)

(b)(5)

(b)(5)

FEMALE PARTICIPANT: Yes.

(b)(5)

MALE PARTICIPANT:

(b)(5)

(b)(6)

(b)(5)

(b)(5)

FEMALE PARTICIPANT: When do the FDA and

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-- were they going to get back to you on the --

MALE PARTICIPANT: So let me make sure I understand it. It sounds like we have some crosstalk on the line. (b)(5)

(b)(5)

(b)(6)

(b)(5)

(b)(5)

(b)(5)

MALE PARTICIPANT:

(b)(5)

(b)(6)

(b)(5)

MALE PARTICIPANT: Right.

(b)(6)

(b)(5)

(b)(5)

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(b)(5)

FEMALE PARTICIPANT: Yes, it does.

MALE PARTICIPANT: Okay.

(b)(6)

(b)(5)

MALE PARTICIPANT: Hello?

(b)(6)

(b)(5)

(b)(5)

FEMALE PARTICIPANT: Yes, sorry, there's another call too.

(b)(6)

Okay, okay.

TRISH HOLAHAN: Yes, so let me clarify your question, again. This is Trish Holahan, from NRC. Can you repeat the question?

VINCE HOLAHAN: Okay, well, what number are you at?

(b)(6)

(b)(5)

(b)(5)

MALE PARTICIPANT: Yes.

(b)(6)

(b)(5)

(b)(5)

TERRY KRAUS: This is Terry Krause, again.

(b)(5)

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1 (b)(5)

2 (b)(6)

Yes.

3 TERRY KRAUS: They're --

4 (b)(6)

(b)(5)

5 TERRY KRAUS: We're probably not in the same
6 situation now.

7 (b)(6)

(b)(5)

8 (b)(5)

10 TERRY KRAUS: Sure.

11 (b)(6)

(b)(5)

12 (b)(5)

16 MALE PARTICIPANT:

(b)(5)

17 (b)(5)

24 (b)(6)

(b)(5)

25 MALE PARTICIPANT: I'm sure there will be

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(b)(5)

(b)(6)

Yes.

MALE PARTICIPANT:

(b)(5)

(b)(5)

(b)(6)

Yes.

MALE PARTICIPANT: (Indiscernible), you

(b)(5)

(b)(5)

TRISH HOLAHAN:

(b)(5)

(b)(6)

(b)(5)

(b)(5)

TRISH HOLAHAN:

(b)(6)

(b)(5)

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1 (b)(5)

2 TRISH HOLAHAN: Okay.

3 (b)(6)

(b)(5)

4 (b)(5)

5 TRISH HOLAHAN: Okay.

6 MALE PARTICIPANT: Yes.

7 (b)(6)

Yes.

8 TRISH HOLAHAN: So you're writing something

9 --

10 MALE PARTICIPANT:

(b)(5)

11 (b)(5)

13 TRISH HOLAHAN: I know.

14 (b)(6)

(b)(5)

15 (b)(5)

17 TRISH HOLAHAN: Yes.

18 (b)(6)

Okay.

19 TRISH HOLAHAN:

(b)(5)

20 (b)(5)

(b)(6)

(b)(5)

22 (b)(5)

23 TRISH HOLAHAN:

(b)(5)

24 (b)(5)

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(b)(6)

(b)(5)

(b)(5)

TRISH HOLAHAN: Okay.

(b)(6)

(b)(5)

(b)(5)

TRISH HOLAHAN: Okay.

(b)(6)

(b)(5)

(b)(5)

MALE PARTICIPANT:

(b)(6)

before you go.

(b)(6)

Yes.

MALE PARTICIPANT:

(b)(5)

(b)(5)

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(b)(5)

(b)(6)

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(b)(5)

MALE PARTICIPANT: Okay.

(b)(6)

(b)(5)

MALE PARTICIPANT: Have a (indiscernible)
and good luck.

(b)(6)

Thanks. Bye.

MALE PARTICIPANT: All right, thanks.

FEMALE PARTICIPANT: Bye-bye.

FEMALE PARTICIPANT: Bye.

MALE PARTICIPANT: Bye-bye.

MALE PARTICIPANT: Bye.

STEVE HOMANN: Thanks, to everybody, by the
way, from me.

MALE PARTICIPANT: Okay, thank you, Steve.

FEMALE PARTICIPANT: Thanks.

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(CONFERENCE CALL INITIATED)

0%HAP03_15365094

TRISH MILLIGAN: Hi, Trish Mulligan.

MICHELLE HART: Hi, Trish, this is Michelle Hart, calling back.

TRISH MILLIGAN: Hi, Michelle, what you got?

MICHELLE HART: Well, we have seen the boxes, they are sitting right over here.

TRISH MILLIGAN: Very cool. Okay, good.

(b)(6)

MICHELLE HART: Great, now you tell me.

TRISH MILLIGAN:

(b)(6)

(b)(6)

MICHELLE HART: Oh, well, all right.

TRISH MILLIGAN: Okay, well, thank you, very much, for checking back. I just wanted to make sure it was transferred to this place okay.

MICHELLE HART: Okay, good.

TRISH MILLIGAN: And as long as somebody can store them somewhere, I don't know how we're going to put them someplace, but anyway, just set them aside.

MICHELLE HART: Okay.

TRISH MILLIGAN: Thanks.

MICHELLE HART: All right.

TRISH MILLIGAN: Okay, talk to you later.

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1 MICHELLE HART: Have a good evening.

2 TRISH MILLIGAN: You too, bye.

3 MICHELLE HART: Bye.

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Date: March 19, 2011

Work Order No.: NRC-4222

Pages 1-138

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8 MARCH 19, 2011

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(CONFERENCE CALL INITIATED)

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KAREN: NARAC. This is Karen (phonetic).

BRUCE WATSON: Karen, this is Bruce Watson
calling from the NRC Operations Center Protective Measures
Team.

KAREN: Hi, Bruce.

BRUCE WATSON: Can you get us to the folks
that are doing the dose runs?

MALE PARTICIPANT: The NIT.

BRUCE WATSON: Yes, and the NIT but I don't
know who's on this shift.

KAREN: Over here?

BRUCE WATSON: Yes.

KAREN: Okay.

BRUCE WATSON: Mike Dillon is what we have.

KAREN: Yes, you know what, they're in a
briefing right now. Could I have --

BRUCE WATSON: Would you ask him to call
us right back, please?

KAREN: Yes, what is your number, Bruce?

BRUCE WATSON: We have a 301-, what is it?

FEMALE PARTICIPANT: 816 --

MALE PARTICIPANT: 816-5419.

BRUCE WATSON: 5100. 301-816-5100 and ask

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1 them to connect you to the PMT.

2 KAREN: PMT.

3 BRUCE WATSON: Yes, the Protective Measures
4 Team.

5 KAREN: Got it. Okay, I'll give the message
6 to Michael.

7 BRUCE WATSON: Yes, that'll be our Operation
8 Center and they'll send you over.

9 KAREN: Okay, I'll get the message to
10 Michael.

11 BRUCE WATSON: Thank you.

12 KAREN: Okay, certainly. Bye.

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(CONFERENCE CALL INITIATED)

0%HT7R0_15365094

RON BASKETT: NARAC, this is Ron Baskett.

MALE PARTICIPANT: Hello.

MALE PARTICIPANT: Hello.

RON BASKETT: NARAC here.

MALE PARTICIPANT: Hello, is this NARAC?

RON BASKETT: This is NARAC, Ron Baskett.

TONY HUFFERT: Hello, Ron. Tony Huffert
and company here at the (indiscernible, possibly POD),
the NRC Operation Center, the Protective Measures Team.

RON BASKETT: All right, how you doing, Tony?

TONY HUFFERT: Hey, pretty (inaudible).
We sent you an email with some information about the
assumptions that went into that MELCOR series of seven
spreadsheets.

RON BASKETT: Right. We've got Michael here,
Michael Dillon.

TONY HUFFERT: Okay.

RON BASKETT: Looking at it, right? Go ahead
and talk. You can talk on that line.

MIKE DILLON: Hello. Mike Dillon.

TONY HUFFERT: Hello.

MIKE DILLON: Hey, how are you?

TONY HUFFERT: Pretty good. What we wanted

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1 todo is cover some of the information that you had discussed
2 with Duane Schmidt about having instead of a five-day
3 or a seven-day release, compressing the data 24 hours.

4 MIKE DILLON: For the trans-Pacific run
5 cases?

6 TONY HUFFERT: Yes.

7 KATHY GIBSON: Yes, this is Kathy Gibson.
8 I'm the PMT Director.

9 MIKE DILLON: Yes.

10 KATHY GIBSON: We had specific directions
11 from our Chairman on how to run this scenario.

12 MIKE DILLON: Okay.

13 KATHY GIBSON: And I need to understand what
14 the limitations are of running the six-day scenario.

15 MIKE DILLON:

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19 (b)(5)
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24 (Indiscernible, possibly It certainly is
25 helpful) to do a more detailed-release scenario if that

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1 is needed for the particular analysis. So I guess the
2 usual question in any sort of modeling (inaudible)
3 exercise is what are we using the scenarios for?

4 KATHY GIBSON: Sir, as I understand it, that
5 this is to answer a question from the Ambassador on what
6 the worst case is.

7 MIKE DILLON: Perhaps Ron could address that.
8 My understanding is I'm actually just setting up two
9 sets of source term. One is for the trans-Pacific which
10 has to do more with impact to U.S. mainland.

11 KATHY GIBSON: Correct.

12 MIKE DILLON: Which I don't believe is
13 related to an Ambassador request. The other is more
14 chosen preliminary in the tasking cycle is to have a
15 tab available for regional calculation but I'm not clear
16 of exactly that tasking at this moment but that's more
17 of I think a prep I guess (inaudible) have more specifics
18 available.

19 RON BASKETT: Let's see. I don't think we're
20 really, I'm looking at the, if we have an objective for
21 the trans-Pacific but we understand that is to make another
22 run that has, if you will, the worst case, winds directly
23 from Japan toward the West Coast, come up with a
24 meteorological case that does drive the winds fairly
25 straightly towards the West Coast so getting the maximum

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1 concentration. Where that calculation's going, I'm not
2 exactly sure.

3 KATHY GIBSON: Yes, what the Chairman
4 directed us to come up with was a realistic worst-case
5 scenario which, you know, in his words, you know, things
6 that would be supported by the laws of physics and so
7 that's how this scenario that we came up with was negotiated
8 and approved by the Chairman.

9 Running this scenario over a 24-hour period,
10 in our mind, would no longer be a realistic worst-case
11 scenario. We don't think it's realistic that all three
12 cores and all four spent fuel pools would release at
13 the same time in a 24-hour period. So I guess before
14 I go back to the Chairman I need to understand why this
15 can't be run.

16 MIKE DILLON: So I guess, again, the phrase
17 here is not "can't be run," is trade-off between time,
18 resolution, et cetera. So a definite need to have a
19 more detailed analysis but it takes a little longer.

20 KATHY GIBSON: Well, how long would it take?

21 MIKE DILLON: I don't have it off the top
22 of my head to be honest with you.

23 RON BASKETT: The trans-Pacific run, to do
24 the whole thing, but we produce a table of deposition
25 and dose at, you know, selective receptors so we extract

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1 from the model run analysis and convert it to a specific,
2 you know, dose and deposition value.

3 That whole process is on the order of, you
4 know, up to five hours (inaudible). It involves quite
5 a few teams. It involves you as the source term, involves
6 us in the meteorological monitoring, involves a team
7 that looks at the nuclide mix and produces a conversion
8 factor from deposition to dose and then we build a table
9 that indicates the value, so it's a major task to do
10 that, so.

11 KATHY GIBSON: (Inaudible) takes up to five
12 hours just to translate the data so you could start the
13 runs?

14 RON BASKETT: Yes, we could get the run going
15 but it's actually been -- the DOE Nuclear Incident Team
16 hasn't been able to get from NOAA the direct to the U.S.
17 wind case so, and they have to, going to do that ourselves
18 on the fly is probably what it, and just come up with
19 our own.

20 MIKE DILLON: I guess there's going to be
21 some additional -- are you expecting a particular run
22 at a particular time?

23 KATHY GIBSON: Well, we were hoping to get
24 it this shift before we went off shift but that's not
25 going to happen, so I guess my question is can you run

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1 this and have a result during the next shift, like before
2 3:00 p.m.?

3 RON BASKETT: Right, yes, we could do that
4 and, again, we receive our tasking and scheduling from
5 the NIT. You understand that?

6 MALE PARTICIPANT: Right.

7 RON BASKETT: And I've been in touch with
8 specifically Dave Holman (phonetic) at the NIT who is
9 aware that we're, (indiscernible, possibly since been
10 called) to make this run.

11 JOHN LUBINSKI: You know, in that question
12 let me just make sure -- and I'm kind of asking Kathy
13 here. This is John Lubinski. I'll be coming on shift.
14 When you say you could run this as a four- to five-hour
15 run, I had two questions about that.

16 My understanding just coming on and what
17 I heard from Kathy is that in doing that you're telling
18 me your models would be receptive to doing this, be able
19 to do a five- or six-hour run to come up with an answer,
20 even though we're saying that from a source term standpoint
21 it doesn't all occur within a 24-hour period.

22 It's not immediate release from all the seven
23 sources. It would occur, you know, different sources
24 over a six-day period. Your model can account for that
25 and you can do that in five to six hours?

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1 MIKE DILLON: We haven't tested in the five-
2 to six-hour range. It should work but of all these things,
3 if we're having it tight we're going to weigh at the
4 top, I want to scope that first before I commit to exact
5 time.

6 JOHN LUBINSKI: Okay. But, you know, I guess
7 my point was just, you know, that you could handle the
8 over five or six days' release.

9 RON BASKETT: Oh, right. Yes, we can put
10 a source in, you know, on any start and stop time you
11 want. I mean --

12 JOHN LUBINSKI: Great, okay.

13 MIKE DILLON: So, I mean, there are always
14 the little implication so if we're going to have, say,
15 a five-day release, six-day release, you want to add
16 another eight days of, you know, post-run time to make
17 sure all material gets deposited.

18 So then you essentially start ramping up
19 your run time. Instead of, say, a 10-day run we're now
20 at a 15-day run. We just up by (indiscernible, possibly
21 50) percent.

22 I mean, these are the sort of things that,
23 I mean, (indiscernible, possibly there's fundamentally
24 problem) here I just worry about the (indiscernible,
25 possibly main two) five hours when you haven't actually

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1 (indiscernible, possibly tested that through.)

2 JOHN LUBINSKI: Right. I appreciate it.
3 I just wanted to make sure -- or the other question I
4 have for you is I heard someone on your end say about
5 getting data from NOAA and I'm asking this also of Kathy
6 here to get an understanding.

7 Yesterday you guys were able to run
8 supersource and you did it for a easterly wind and a
9 northeasterly wind and that was based on some historical
10 data of a worst-case wind shift. I guess my assumption
11 was you would be using those same kind of meteorological
12 conditions.

13 RON BASKETT: That's right. Yes, actually
14 what we did, those were two cases we basically quickly
15 grabbed and after looking at them and discussing them
16 between interagency we basically concluded that the
17 meteorology was not really, if you will, the worst case.

18 The worst-case meteorology that we're
19 looking at to be in concert with the worst-case source
20 term to produce a worst-case result, meteorology we're
21 looking for is a wind case that has pretty much a direct
22 transport from Japan to the middle of the West Coast.

23 And so the DOE asked through their channels
24 if NOAA could search their chronological files and come
25 up with that case for us and the last time I talked to

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1 them they hadn't gotten a, you know, positive response
2 that, you know, they could deliver. All we need is,
3 like, a week period that has that trajectory in it.

4 So we could fall back and, you know, pick
5 a case ourselves. I think that's probably what we're
6 going to have to do just out of necessity to get this
7 calculation done. That's the only thing that's holding
8 us up on the next trans-Pacific run.

9 JOHN LUBINSKI: Okay, and you guys --

10 RON BASKETT: So actually, if I could add,
11 I don't think we have the timing of the source terms
12 that you most recently provided us.

13 MALE PARTICIPANT: Yes. We do have the
14 timings on that. On each spreadsheet there is a time
15 when it starts and the duration is explained.

16 RON BASKETT: Okay.

17 MALE PARTICIPANT: So basically you have
18 one day for each one of those spreadsheets and that's
19 why we gave you all the separate spreadsheets, to reinforce
20 that each one is its own day at a certain time.

21 RON BASKETT: Okay. Right, I just didn't
22 see that. Okay.

23 MALE PARTICIPANT: So let me iterate then
24 in terms of path forward. (Indiscernible, possibly What
25 if I provide the usual checks pub) sheet back in the

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1 near future to make sure we get both of those elements.

2 There seems to be a little bit of an open
3 question in terms of the timing. I think we should
4 coordinate with the NIT quickly with respect to the release
5 over 24-hour period which is current interagency-agreed
6 standard versus your desire for a more detailed time
7 period, just to make sure we're all on the same page
8 on that one and then obviously make a choice in terms
9 of expected weather conditions. Does that cover the
10 key elements?

11 KATHY GIBSON: So, let me understand.
12 You're going to go back to NIT to get approval for them
13 to do the more detailed run rather than the 24-hour release
14 that you usually do?

15 MIKE DILLON:

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17 (b)(5)
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20 KATHY GIBSON: Okay, understood.

21 MIKE DILLON: Does that make sense?

22 KATHY GIBSON: Yes.

23 MIKE DILLON: And, again, I normally
24 wouldn't bother but this one has that level of interest.

25 KATHY GIBSON: Okay. You have anything

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1 else?

2 JOHN LUBINSKI: Yes, I guess what I'd ask
3 is you need to go to the NIT and get (indiscernible,
4 possibly this done.) Any idea when you'll be able to
5 get back to us, whether you've got the thumbs up to move
6 forward?

7 RON BASKETT: I'll go ahead and go to the
8 NIT right away today and then give you guys a call back
9 here because it sounds like your interest, NRC's interest,
10 is to have the results of this run. It's a high-priority
11 task for you, is that correct?

12 KATHY GIBSON: Yes, it is.

13 RON BASKETT: Okay.

14 JOHN LUBINSKI:

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17 (b)(5)
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22 And the commitment was made that NRC would
23 work the source term and that you guys would work the
24 scenario because we don't have the tools to get beyond
25 50 miles.

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1 RON BASKETT: Got it.

2 JOHN LUBINSKI: So it's kind of a joint
3 priority for both of us, okay?

4 RON BASKETT: Right.

5 MIKE DILLON: We understand. Let me say
6 thank you for that little detail.

7 RON BASKETT: Yes.

8 JOHN LUBINSKI: Okay?

9 RON BASKETT: Okay, all right.

10 MIKE DILLON: So, we will get back to you.

11 JOHN LUBINSKI: Yes. All right, thanks.
12 We'll look forward to your call.

13 MALE PARTICIPANT: Okay. Thanks, Kathy.

14 MALE PARTICIPANT: One more.

15 MALE PARTICIPANT: I'm sorry. Hold on.
16 Before you get off, are there any technical questions
17 you have about the information we gave you? Because
18 we have an expert here on how those values were derived.

19 MIKE DILLON: I'll say I've not had a chance
20 to look at it. I'm kind of multitasking a bit. Mostly,
21 as I said before, I just kind of wanted to make sure
22 there's at least some level because I know the last time
23 we went through this there was a lot of discussion back
24 and forth and (inaudible) start that discussion with.

25 So I don't have any questions for you now

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1 and at the moment I'm going to focus more on the technical
2 sides for my part. I don't anticipate ones from me
3 personally over here.

4 MALE PARTICIPANT: Okay, thank you.

5 MALE PARTICIPANT: Okay.

6 MALE PARTICIPANT: Thank you, sir.

7 MALE PARTICIPANT: Thank you.
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(CONFERENCE CALL INITIATED)

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MALE PARTICIPANT: You have reached the
United States Department of Energy Operation Center.
Your call is being transferred to a DOE Watch Officer.

MALE PARTICIPANT: Can I help you?

KATHY BROCK: Hi, this is the NRC Operation
Center. May we please be connected with the NIT?

MALE PARTICIPANT: Okay, can I get your name?

KATHY BROCK: Kathy Brock.

MALE PARTICIPANT: I've spoken to you the
last couple days.

KATHY BROCK: Probably.

MALE PARTICIPANT: Yes, hold on one second,
please.

KATHY BROCK: Thank you.

(Pause.)

A.J.: A.J. (phonetic).

KATHY BROCK: Hello?

A.J.: Hello. It's A.J.

KATHY BROCK: A.J., hey. It's Kathy Brock
calling from the NRC Operation Center.

A.J.: Hey, Kathy. How are you today?

KATHY BROCK: Oh, fantastic. How are you?

A.J.: All right.

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1 KATHY BROCK: Okay, so we're calling,
2 (indiscernible, possibly hey, guys,) we're calling
3 because we just wanted to connect back after a phone
4 call with --

5 MALE PARTICIPANT: We had with NARAC.

6 KATHY BROCK: -- with NARAC about, I don't
7 know, at about 7 o'clock this morning. We wanted to
8 see if they got clearance to work on the run we had talked
9 about.

10 A.J.: Okay, stand by. I've got a guy on
11 the phone with them right now.

12 KATHY BROCK: Thank you.

13 (Pause.)

14 A.J.: Hey, Kathy.

15 KATHY BROCK: Yes.

16 A.J.: They're still in discussion on that.
17 They are going to do it but there are going to be some
18 further discussions on the source term.

19 KATHY BROCK: Okay, fantastic. Can you just
20 ask them to call us, just so we can get hooked up when
21 they're ready so we know what they're planning on doing?

22 A.J.: All right. Give me your number again.

23 KATHY BROCK: 301-816-5100.

24 A.J.: 5100?

25 KATHY BROCK: Yes, and then ask to be patched

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1 to the PMT.

2 A.J.: PMT.

3 KATHY BROCK: Yes.

4 A.J.: Okay, all right.

5 KATHY BROCK: Thank you so much, A.J.

6 A.J.: Take care of it. Okay, Kathy.

7 KATHY BROCK: Bye.

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(CONFERENCE CALL INITIATED)

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KAREN: NARAC Program. This is Karen
(phonetic).

BRUCE WATSON: Yes, Karen, this is Bruce
Watson at the NRC Operation Center.

KAREN: Hi, Bruce.

BRUCE WATSON: Hi. We've been trying to
reach, I guess your day shift guy is Michael Dillon?

KAREN: Yes. Just one moment, okay?

BRUCE WATSON: Okay.

(Pause.)

JOHN NASSTROM: Hello, Bruce. It's John
Nasstrom.

BRUCE WATSON: Hey, John. How are you?

JOHN NASSTROM: We're hanging in there.
How are you guys doing?

BRUCE WATSON: Yes, welcome to day eight.

JOHN NASSTROM: Yes, exactly. By the way,
NRC, I think we should all just fly over there and volunteer
to put fire hoses on that sucker. Make our life a lot
easier, wouldn't it?

BRUCE WATSON: Well, we were kind of already
-- some of us have already been asked to go over and
they're trying to figure out who to send now.

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1 JOHN NASSTROM: Okay. Anything you can do
2 would be much appreciated.

3 BRUCE WATSON: I don't think they grasp the
4 veracity of everything. I just wanted to pass on to
5 you that you received the MELCOR runs of the (indiscernible,
6 possibly cell) source term and we are calling that the
7 "Worst-case MELCOR best estimate."

8 JOHN NASSTROM: "Worst-case MELCOR,"
9 M-E-L-C-O-R-E?

10 BRUCE WATSON: No E. MELCOR is a computer
11 code so you can capitalize all.

12 JOHN NASSTROM: Oh, it is a computer code.
13 We were --

14 BRUCE WATSON: Yes, it's different than
15 RASCAL.

16 JOHN NASSTROM: Okay, "Worst-case MELCOR,"
17 say again.

18 BRUCE WATSON: "Best estimate."

19 JOHN NASSTROM: "Best estimate."

20 BRUCE WATSON: And we've looked over your
21 numbers you sent us. Looks like everything's in order
22 for the source term.

23 JOHN NASSTROM: Okay.

24 BRUCE WATSON: And so unless you had any
25 other questions --

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1 JOHN NASSTROM: Well, I do have something
2 else.

3 BRUCE WATSON: Okay.

4 JOHN NASSTROM: So one thing we're working
5 on now is we're going to put in the spreadsheet with
6 I think that same spreadsheet that we just sent you --
7 oh, sorry, a new spreadsheet. We're putting in basically
8 our best guess at what the wind directions were at each
9 time.

10 So this is to try and correlate, you know,
11 they're observing, you know, some of the (indiscernible,
12 possibly sets on) monitoring stations went off at certain
13 times. The AMS data is showing, you know, deposition
14 in certain directions.

15 So this is the idea here and this is what
16 Gerry Garino at DOE would like to do with you guys, is
17 put all our heads together with our best estimate of
18 the source term based on plant conditions and look at
19 the wind directions and just try to basically do forensic
20 analysis on -- put all those pieces of information together
21 and see if we can maybe infer --

22 BRUCE WATSON: I think that would be a great
23 idea but I just think that's very complicated.

24 JOHN NASSTROM: Yes, it is.

25 BRUCE WATSON: And I don't know that it would

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1 really benefit us to do that. I mean, I thought we were
2 running this for trans-Pacific, not worried about actually
3 what was happening on the site.

4 JOHN NASSTROM: Okay, well there's both
5 objectives.

6 BRUCE WATSON: Yes, I know but I --

7 JOHN NASSTROM: There's both objectives and
8 honestly DOE is involved in both because, you know, they
9 have people on the ground and they're working with the
10 Japanese and U.S., you know, personnel in Japan and,
11 you know, depending on how you look at it, you know,
12 that --

13 BRUCE WATSON:

14 (b)(5)
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16 JOHN NASSTROM: Yes. No, I understand so
17 --

18 BRUCE WATSON: Okay? So that means do it
19 as soon as you can and as accurately as you can, so.

20 JOHN NASSTROM: Right, okay, so that's why
21 we need to get on the phone with DOE, because there's
22 all these different priorities and I think, I get from
23 --

24 BRUCE WATSON: Yes, we know. They're
25 supposed to set your priorities for you.

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1 JOHN NASSTROM:

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13 JOHN LUBINSKI: Well, yes. This is John
14 Lubinski. I'm here with Bruce, Director of the PMT,
15 and, yes, I appreciate getting together but we need to
16 do that, like, immediately.

17 JOHN NASSTROM: Yes.

18 JOHN LUBINSKI: Because we were under the
19 assumption that you guys were already starting to run
20 some of this stuff and if, you know, if the priorities
21 are not there, we need to. And if we need to get someone
22 from our end higher in the organization to call the NIT
23 or whomever, whoever we need to --

24 JOHN NASSTROM: Yes, absolutely.

25 JOHN LUBINSKI: -- do that because that

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1 assumption's there, so.

2 JOHN NASSTROM: Well, let's start with Gerry
3 because I think that, if this, you know --

4 JOHN LUBINSKI: Can you put us on hold or
5 you need to call us back in, like, five minutes?

6 JOHN NASSTROM: Actually I could probably
7 put you on hold and conference you and if it doesn't
8 work I'll let you know as soon as I can.

9 JOHN LUBINSKI: Okay, yes. He likes to get
10 into the details and --

11 JOHN NASSTROM: Yes, I know and --

12 JOHN LUBINSKI: -- I appreciate that but
13 there are certain times when --

14 JOHN NASSTROM: Well, maybe I need to ask
15 for whoever the senior person is in the NIT at this point
16 and ask him to join it.

17 JOHN LUBINSKI: If you could do that, that
18 would be great. We'd appreciate that.

19 JOHN NASSTROM: Okay. All right, I'll do
20 that and then we'll call you back. I know we have a
21 lot of numbers for you. Do we just call the regular
22 --

23 JOHN LUBINSKI: 5100 number.

24 JOHN NASSTROM: 5100 and ask for PMT again?

25 JOHN LUBINSKI: Right.

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1 JOHN NASSTROM: Okay.

2 JOHN LUBINSKI: Okay?

3 JOHN NASSTROM: All right.

4 BRUCE WATSON: Hey, just so that we don't
5 call you back bugging you, any idea how long before you
6 call us back?

7 JOHN NASSTROM: I'm hoping it's like five
8 minutes --

9 BRUCE WATSON: Great. Okay.

10 JOHN NASSTROM: -- so I can get Gerry on
11 the phone. Well, that depends on who's there but --

12 BRUCE WATSON: We'll be waiting here.

13 JOHN LUBINSKI: Okay, thanks. Appreciate
14 it.

15 JOHN NASSTROM: Okay, sure. Bye-bye.

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(CONFERENCE CALL INITIATED)

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KAREN: NARAC, this is Karen (phonetic).

BRUCE WATSON: Karen, this is Bruce Watson
at the NRC Operation Center.

KAREN: Yes. Hi, Bruce.

BRUCE WATSON: Is John Nasstrom available?

KAREN: Just one moment.

BRUCE WATSON: Yes.

(Pause.)

JOHN NASSTROM: Hey, Bruce. It's John
Nasstrom.

BRUCE WATSON: Hey, John, did you hear
anything back from the NIT?

JOHN NASSTROM: I called them. Sorry, I
haven't had a chance to call you back. I called them.
They were going into brief, had a briefing for their
Deputy Secretary.

(b)(5)

BRUCE WATSON: Trans-Pacific.

JOHN NASSTROM: -- impact on the U.S., right.
And I guess Gerry's (phonetic), there may be something
come out of the Deputy Secretary's briefing because I
told him, you know, we need to get on the phone with

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1 you guys, make sure we've all heard the right priority
2 and we're all working on the right priority.

3 So Gerry said the next step in his mind is,
4 because as you know you guys are heavily involved in
5 it, that when we start using the MELCOR analysis people
6 are going to ask the same questions they asked about
7 supercore.

8 So he wanted to make sure that we have the
9 same level of answer we ended up with on supercore, which
10 is basically an executive summary with fairly good detail
11 on the assumptions that went into that. I haven't actually
12 looked at what you guys sent so some of that --

13 BRUCE WATSON: Yes, there's an email that
14 covers that I think.

15 JOHN NASSTROM: I know it's in there but
16 you know what I'm talking about. Remember the summary
17 document that ended up as an appendix to the trans-Pacific
18 analysis that you guys, you know, gave us all the specs
19 on and we iterated on because what he says is going to
20 happen with the MELCOR analysis is it's going to go under
21 the same scrutiny that supercore did.

22 BRUCE WATSON: Well, I would suggest we kind
23 of do these in parallel. You guys get the run done so
24 we can QA it and QC it and get it blessed while we make
25 sure we fill in all the holes and blanks.

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1 JOHN LUBINSKI: Yes, this is John Lubinski.
2 Our understanding on the calls this morning was it's
3 going to take you five or six hours to do the run anyway
4 so we could start putting the assumptions together and
5 do briefings to people in parallel.

6 But, you know, I wouldn't want to hold off,
7 you know, continue to hold off doing the run. If there's
8 someone I need to speak with over there that --

9 JOHN NASSTROM: What I would say is, and,
10 you know, this is not my call on how to do this, but
11 I think, you know, someone high up, like you said earlier,
12 high up in NRC needs to talk to someone high up in DOE,
13 right?

14 JOHN LUBINSKI: Give me a name, a name and
15 a phone number --

16 JOHN NASSTROM: Is this line being recorded?

17 BRUCE WATSON: This line is not being
18 recorded.

19 JOHN NASSTROM: Okay, all right. So I don't
20 know who the right person is, okay? I'm going to give
21 you some names, okay?

22 JOHN LUBINSKI: Okay.

23 JOHN NASSTROM: The NIT, Gerry Garino is
24 working for Dave Bowman who works for Admiral Joe Krol.

25 BRUCE WATSON: Hold on a second. You're

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1 giving me some names here. Gerry, how do you spell his
2 last name?

3 JOHN NASSTROM: Gerry Garino is the
4 technical guy we've been working with in DOE headquarters.

5 BRUCE WATSON: Well, he's not going to make
6 the policy decision, is he?

7 JOHN NASSTROM: No, he works for --

8 JOHN LUBINSKI: Dave Bowman.

9 JOHN NASSTROM: Dave Bowman.

10 JOHN LUBINSKI: You have a number? I got
11 Bowman's number here, 877-336-4831 with a pin number.

12 JOHN NASSTROM: No, that's probably a
13 conference call line. You can reach all these guys at
14 the NIT central number.

15 BRUCE WATSON: The NIT central number.

16 JOHN NASSTROM: Which is DOE headquarters.
17 The NIT is DOE Nuclear Incident Team, is at DOE
18 headquarters. That's where all these guys are working.

19 BRUCE WATSON: Right. Can you just give
20 me that number?

21 JOHN NASSTROM: It's 202 --

22 BRUCE WATSON: 202.

23 JOHN NASSTROM: 586 --

24 JOHN LUBINSKI: 8100.

25 JOHN NASSTROM: 8100.

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1 BRUCE WATSON: Okay, and just ask for them
2 by name?

3 JOHN NASSTROM: Yes. And then, but Dave
4 Bowman -- is Dave Bowman on the night shift, Ron (phonetic)?
5 I can't remember what you told me. Dave Bowman with
6 you there last night?

7 Okay, so he's probably coming on in the
8 morning here or I guess this evening your time.

9 JOHN LUBINSKI: Okay.

10 JOHN NASSTROM: But he works for Admiral
11 Krol, Joe Krol, K-R-O-L, who works for the DOE NNSA
12 administrator whose name is Tom D'Agostino.

13 JOHN LUBINSKI: Yes, we got an email from
14 Tom D'Agostino to our Chairman yesterday when we were
15 doing the supersource and, you know, back to the fact
16 that your guys had questions and needed answers and,
17 you know, appreciate how well we were working together
18 but it happened to come across the same time we were
19 already on the phone talking so.

20 JOHN NASSTROM: Yes. Yes, and then the way
21 it gets, you know, then the next level above D'Agostino
22 is, there's an Under Secretary named Steve Aoki, A-O-K-I.

23 BRUCE WATSON: He was on that email as well.

24 JOHN NASSTROM: Right, and he's probably
25 the go-between to the DOE Secretary Chu who talks to

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1 the President.

2 BRUCE WATSON: You gave us a nice chain.
3 I'm going to call Mr. Bowman.

4 JOHN LUBINSKI: You said Bowman's probably
5 not in right now. Does he have someone who --

6 JOHN NASSTROM: He may be in now. He may
7 be in now.

8 BRUCE WATSON: We'll hang up and we'll call
9 Mr. Bowman and --

10 JOHN NASSTROM: Right, just -- I assume you
11 guys are just going to say, hey, we're just trying to
12 coordinate priorities, right? You're not --

13 BRUCE WATSON: That's exactly --

14 JOHN NASSTROM: -- going to say, hey, we
15 asked NARAC for something. They're not giving it. You're
16 just trying to coordinate priorities, right?

17 BRUCE WATSON: We're trying to coordinate
18 priorities. We understand from our end that this is
19 a joint priority for NRC and DOE.

20 JOHN NASSTROM: Right.

21 BRUCE WATSON: At this point --

22 JOHN NASSTROM: And I think what Gerry Garino
23 is trying to do is probably going to be part of whatever
24 process we do and that is to, you know, go through --
25 he wants to make sure when

(b)(5)

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(b)(5)

BRUCE WATSON: Okay, John.

JOHN NASSTROM: Okay?

BRUCE WATSON: John, thanks. Appreciate it. We're going to give Dave Bowman a call, okay? Thanks.

JOHN NASSTROM: Okay, all right. Bye-bye. He may be in the same briefing, though, with the Deputy Secretary so I'll just warn you that they may be all tied up for about 15 minutes or so, or 20 minutes.

MALE PARTICIPANT: All right.

JOHN NASSTROM: Okay.

MALE PARTICIPANT: Thanks.

JOHN NASSTROM: Bye-bye.

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(CONFERENCE CALL INITIATED)

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KAREN: NARAC, this is Karen (phonetic).

JOHN LUBINSKI: Hi. This is John Lubinski
at the NRC. We were calling for John --

BRUCE WATSON: John Nasstrom, please.

JOHN LUBINSKI: Nasstrom.

KAREN: Okay, John -- your last name was
Lubinski?

JOHN LUBINSKI: Lubinski, yes, ma'am.

KAREN: Okay, just one moment.

JOHN LUBINSKI: Thank you.

(Pause.)

KAREN: He'll be with you in one moment,
John.

JOHN LUBINSKI: Thank you.

KAREN: Okay.

(Pause.)

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(CONFERENCE CALL INITIATED)

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JOHN NASSTROM: Hey, John, sorry. Are you there?

JOHN LUBINSKI: Hey, no problem, John. How you doing? We got you on speaker with Bruce and Kathy (phonetic).

JOHN NASSTROM: Okay.

JOHN LUBINSKI: Hey, calling you about a totally unrelated subject to what we've been talking about and trying to see if I can get some help from you, possibly a name.

We've been getting information from IAEA Japan and also through AMS data on some off-site doses but we're still working from about three days ago with some on-site doses. We were, you know, for a while getting at the Unit 3 building, Unit 4 building, getting doses like 30 R and 40, yes 30 R --

BRUCE WATSON: Yes, 30/40 R --

JOHN LUBINSKI: Yes, 30 R and 40 R, respectively, per hour at those two buildings.

JOHN NASSTROM: Sorry. What buildings were those again?

JOHN LUBINSKI: The Unit 3 reactor building and the Unit 4 reactor building, 30 R per hour and 40

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1 R per hour, respectively.

2 JOHN NASSTROM: And do you have a feeling
3 for what they're measuring there? Is that stuff in the
4 ground, air or building itself or what?

5 BRUCE WATSON: These were just dose rates
6 adjacent to the buildings, yes, and they coincided when
7 they were reported just after the explosions and we think
8 the, were result of the spent fuel pools being either
9 drained or partially drained on either unit.

10 JOHN NASSTROM: Okay.

11 JOHN LUBINSKI: We think they're skysshine.

12 BRUCE WATSON: So where we are now is that
13 this data's a few days old and what we're trying to do
14 is see if there's any sources that maybe you're aware
15 of inside DOE where we could get some updated data on
16 doses on site.

17 Again, we're getting doses at the fence line
18 from IAEA. We're getting doses offsite. But we're
19 looking at onsite. We're continuing to run with 30 and
20 40 R per hour. Is there any contact you can think of,
21 any names --

22 JOHN NASSTROM: What they're doing is, you
23 know, the AMS is flying and the DOE has their home team
24 in Las Vegas at Nellis at the Remote Sensing Lab there,
25 RSL. They are sort of the DOE data collection site for

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1 AMSaswellasfieldmonitoringdata. Ithinktheyprobably
2 have the same data that you're talking about.

3 JOHN LUBINSKI: Yes, we haven't heard any
4 report that AMS has flown over the site though and --

5 JOHN NASSTROM: Yes, they have.

6 JOHN LUBINSKI: Oh, they have?

7 JOHN NASSTROM: Yes, yes. They've done a
8 couple of flights. They flew up and down the coast --

9 BRUCE WATSON: We got those but --

10 JOHN NASSTROM: -- very near the site and
11 then they -- what they found is the highest deposition
12 values are heading towards the north.

13 JOHN LUBINSKI: Yes, we've got that.

14 JOHN NASSTROM: Northeast.

15 BRUCE WATSON: But it also looked like the
16 flight pattern was kind of around the --

17 JOHN NASSTROM: Oh, yes, yes. Oh, I don't
18 --

19 BRUCE WATSON: -- around the site and this
20 is actual site data between --

21 JOHN NASSTROM: Oh, I see. Yes, well --

22 BRUCE WATSON: That's between the reactor
23 buildings.

24 JOHN NASSTROM: Oh, I see, yes. No, I do
25 not know.

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1 BRUCE WATSON: So I don't think you would
2 have that.

3 JOHN NASSTROM: I do not know and I'm not
4 sure they will.

5 BRUCE WATSON: Yes.

6 JOHN NASSTROM: They may not fly. I think
7 they have a limit and they're probably not going to fly
8 where they're going to see anything from above --

9 BRUCE WATSON: Well, they don't want to
10 contaminate their plane.

11 JOHN NASSTROM: Right, and their personnel
12 doses too.

13 BRUCE WATSON: Right.

14 JOHN NASSTROM: Yes so, no, I think like
15 one kilometer is maybe the closest I've seen. You've
16 seen the same thing but it's like one kilometer or so
17 away probably, right?

18 BRUCE WATSON: Okay. But do you know of
19 any other organization that may have some personnel maybe
20 on the ground over there? We're asking our guys too
21 and our folks have been asking, trying to get some data
22 on site. We're not getting anything. Is there any guys
23 you would have that have a connection to --

24 JOHN NASSTROM: Well, yes. The DOE, there's
25 a DOE guy leading the DOE team over there and I'm sure

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1 that he's trying to get that kind of data and be aware
2 of it and he's trying to send it to the RSL Home Team,
3 the CM Home Team in Las Vegas and his name's Dan Blumenthal.

4 I don't have a contact.

5 BRUCE WATSON: But Dan Blumenthal's over
6 in Japan.

7 JOHN NASSTROM: He's in Japan, yes.

8 BRUCE WATSON: How about over in, you said
9 it's out in Vegas?

10 JOHN LUBINSKI: Yes. Yes, what's the number
11 at that Las Vegas --

12 JOHN NASSTROM: Yes, their number, it's the
13 CM Home Team number. It's 702-794-1665.

14 BRUCE WATSON: And that's the CMT Home Team?

15 JOHN LUBINSKI: Yes, Consequence --

16 JOHN NASSTROM: Yes, CMHT.

17 BRUCE WATSON: Home Team.

18 JOHN NASSTROM: CM Home Team.

19 BRUCE WATSON: Consequence Management Home
20 Team.

21 JOHN NASSTROM: Consequence Management Home
22 Team, yes.

23 BRUCE WATSON: Okay.

24 JOHN NASSTROM: And then we're on a bridge
25 line with them constantly so between us and them we're

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1 sort of a virtual home team.

2 JOHN LUBINSKI: Okay.

3 BRUCE WATSON: Well, we're going to give
4 them a call then at this number and see if we can hook
5 up and see if they got any --

6 JOHN NASSTROM: Yes, and I'm sure they'll
7 be interested in your insight into what you've got too.

8 At some point here you might want to suggest, they have
9 periodic bridge line call times and you may, and I think
10 even on some of them we could maybe, you guys could schedule
11 a time to pow-wow.

12 BRUCE WATSON: Yes, I think we've called
13 in numerous times and sometimes there wasn't anybody
14 leading the call so it was a hodgepodge of --

15 JOHN NASSTROM: Yes, I think it's sporadic.
16 I think you probably have to set up a special call but
17 I would say that's a perfect reason, one of the most
18 important reasons, to have a special call because I think
19 you guys probably have done between you and them, you're
20 probably the two places in the U.S. that are looking
21 the hardest at whatever monitoring data's out there.

22 BRUCE WATSON: Yes, okay. Hey, thanks. Hey,
23 on the other issue I did try to call Dave Bowman. He
24 was not in. I got an A.J. Gibson (phonetic) and spoke
25 with him and he referred me back to Gerry Garino again

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1 and --

2 JOHN NASSTROM: Okay, Gerry wants to talk
3 to you guys. So when he gets out of the Deputy Secretary
4 briefing, we'll just have to start with him, yes.

5 BRUCE WATSON: Yes, have him give us a call
6 back at --

7 JOHN NASSTROM: And we'll set up a call.
8 We'll set up a three-way call with you guys and --

9 JOHN LUBINSKI: Yes, I don't know. Yes,
10 me, Bruce, one of us will be around. They'll get us.
11 Thanks.

12 JOHN NASSTROM: All right, sure. Talk to
13 you later.

14 JOHN LUBINSKI: Bye.

15 JOHN NASSTROM: Bye.

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(CONFERENCE CALL INITIATED)

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JOHN NASSTROM: NARAC, John Nasstrom.

JOHN LUBINSKI: Hey, John, John Lubinski.

How are you?

JOHN NASSTROM: I'm doing okay, John.

JOHN LUBINSKI: Hey, we were trying to get
hold of Gerry Garino.

BRUCE WATSON: He's at the CHM Home Team,
right?

JOHN NASSTROM: No, he's at the DOE
Headquarters.

JOHN LUBINSKI: DOE Headquarters.

BRUCE WATSON: Oh, okay.

JOHN LUBINSKI: Oh, okay.

JOHN NASSTROM: He's at the NIT.

BRUCE WATSON: Oh, at the NIT. So I think
we have a number for that.

JOHN LUBINSKI: That was the 702-794?

BRUCE WATSON: No, that --

JOHN NASSTROM: No, that's 202-586 --

BRUCE WATSON: I'm sorry, 282-586-8100?

JOHN NASSTROM: Yes, 202-586-8100, yes.

JOHN LUBINSKI: Hey, thanks.

BRUCE WATSON: Sorry to bother you there,

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1 John. Thanks.

2 JOHN NASSTROM: Okay, bye.

3 (Pause.)

4 MALE PARTICIPANT: You have reached the
5 United States Department of Energy Operation Center.
6 Your call is being transferred to a DOE Watch Officer.

7 ANTHONY: DOE Operations. This is Anthony
8 (phonetic) speaking.

9 JOHN LUBINSKI: Hi, Anthony. John Lubinski
10 at the NRC Operation Center.

11 ANTHONY: Hello, John.

12 JOHN LUBINSKI: Calling for Gerry Garino.

13 ANTHONY: Sure, one second.

14 JOHN LUBINSKI: Thank you.

15 (Pause.)

16 DUNLAP: Head Ops, Dunlap (phonetic).

17 JOHN LUBINSKI: Hi, Mr. Dunlap. John
18 Lubinski, NRC Operation Center. How you doing?

19 DUNLAP: Fine, sir. How you doing?

20 JOHN LUBINSKI: Good. I was calling for
21 Gerry Garino. Is he available?

22 DUNLAP: He's on a conference call right
23 now. Can he call you back?

24 JOHN LUBINSKI: Yes, we had gotten
25 information earlier he was on a call. We thought he

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1 was going to be off by 1:00. He must still be on it.

2 Okay. Yes, if he could call back John Lubinski,
3 L-U-B-I-N-S-K-I, NRC Operations Center, and it's
4 301-816-5100.

5 DUNLAP: 5100. Got it.

6 JOHN LUBINSKI: Thank you. Appreciate it.

7 DUNLAP: All right. Have a good one.

8 JOHN LUBINSKI: You too.
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1 (CONFERENCE CALL INITIATED)

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3 FEMALE PARTICIPANT: Welcome to AT&T's
4 teleconference service. Please enter your access code,
5 followed by the pound sign.

6 To join the conference as the host press
7 star, otherwise press pound.

8 There are five participants on the call,
9 including you. You are joining your conference as a
10 participant. For a menu of available commands, press
11 star pound.

12 FEMALE PARTICIPANT: This is the bridge line.
13 Who entered?

14 DONALD COOL: This is Donald Cool,
15 Protective Measures Team at NRC's Operations Center.
16 How are you doing this afternoon?

17 FEMALE PARTICIPANT: Oh, we're doing good.
18 How are you?

19 DONALD COOL: Okay. I decided to jump on
20 the bridge to ask when we might expect the next runs
21 from the AMS monitoring flights because the last stuff
22 we've got is almost 24 hours old now and I'm guessing
23 they've been in the air and you probably would have
24 something before long, he says hopefully.

25 FEMALE PARTICIPANT: Well, I know it's like

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1 almost -- it's 6:30 in the morning over there and they've
2 been flying during the day only so I don't even think
3 our field teams are even --

4 MALE PARTICIPANT: They report at 7:00.

5 FEMALE PARTICIPANT: Yes, they report at
6 7:00 so they're not even operational yet.

7 DONALD COOL: So can you confirm when the
8 last time they flew was? Would that have been -- what's
9 our data say. Is our data time stamped?

10 KAREN: The last we have is 3-18 at 4:08
11 a.m. PST.

12 FEMALE PARTICIPANT: Okay, let me confirm
13 that, Karen (phonetic). Hold on.

14 (Pause.)
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DONALD COOL: Would the party asking the Home Team about the AMS plot speak up again? I got to get some more detail.

FEMALE PARTICIPANT: This is the NRC. You asked a question.

DONALD COOL: Yes, okay. Now, what is the title on -- I'm having trouble figuring out which one it is. So what's the title on it?

FEMALE PARTICIPANT: The title we had was "Aerial monitoring results exposure rate" and it had the, that's the picture, (indiscernible, possibly is that) the graph of the monitoring results.

DONALD COOL: Okay.

FEMALE PARTICIPANT: It was a PowerPoint presentation. The first page was completing some aerial measurements I think. No, the first page was AMS measurement (inaudible).

DONALD COOL: But the graphic itself is titled.

FEMALE PARTICIPANT: The graphic itself --

DONALD COOL: It has a blue bar at the top and the blue bar reads "Aerial monitoring results," right?

FEMALE PARTICIPANT: That's correct and

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1 there's a subtitle.

2 DONALD COOL: And the subtitle is "exposure
3 rate."

4 FEMALE PARTICIPANT: That's correct.

5 DONALD COOL: Okay. And the time date stamp
6 in the lower left you say is 3:18?

7 FEMALE PARTICIPANT: That's correct,
8 4:08:03 a.m. PST.

9 DONALD COOL: All right. And off in the
10 right-hand side there's a legend for all of the types
11 of data and each one of the little legends there will
12 have a title. How many legends are over there for flights?
13 That'll help, to know how many flights are on the map.

14 FEMALE PARTICIPANT: Yes, I have -- are you
15 talking about the ones with the colored dots?

16 DONALD COOL: Yes.

17 FEMALE PARTICIPANT: Just to be clear.

18 DONALD COOL: They're in groups. They're
19 in groups.

20 FEMALE PARTICIPANT: There's seven.

21 DONALD COOL: So there's probably two groups
22 or three groups or something like that.

23 FEMALE PARTICIPANT: I have seven, I think.

24 DONALD COOL: Seven groups?

25 FEMALE PARTICIPANT: I have seven different

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1 colors.

2 DONALD COOL: Oh, no, no, not individual
3 icons.

4 FEMALE PARTICIPANT: Oh, I see the smaller
5 --

6 DONALD COOL: They're usually in groups and
7 you'll see the colors repeat over and over again. Is
8 it just one group?

9 FEMALE PARTICIPANT: I only see one group,
10 I think.

11 DONALD COOL: Okay, and let's see. What's
12 the little title on the legend?

13 FEMALE PARTICIPANT: I can barely read it.
14 It says "flight instructions" or something like that
15 or maybe I'm not -- maybe I don't have a legend.

16 DONALD COOL: Well, if you've got colors,
17 you got a legend.

18 FEMALE PARTICIPANT: Yes. Oh, here it is,
19 yes, "C-12 aerial data."

20 DONALD COOL: C-12, that's what I needed.

21 FEMALE PARTICIPANT: Yes, there you go.

22 DONALD COOL: That's exactly what I needed.

23 FEMALE PARTICIPANT: I was looking in the
24 wrong spot.

25 DONALD COOL: Great. Now I'll go back

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1 through -- unfortunately there's not a nice index for
2 these. You got to actually start opening things and
3 see which one it is so it may take a few minutes.

4 FEMALE PARTICIPANT: Okay, yes. We were
5 looking to see if there was more recent than that.

6 DONALD COOL: Yes. Okay, thanks.

7 FEMALE PARTICIPANT: All right.

8 DONALD COOL: I'm going to get off now.

9 Thank you.

10 FEMALE PARTICIPANT: Okay.
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(CONFERENCE CALL INITIATED)

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PAUL GUS: Hello, this is Paul Gus (phonetic)
located at USFJ. Anyone on the line?

LIZ: Hi, Paul. This is Liz (phonetic).
How are you?

PAUL GUS: Liz, hi. I have Dan Blumenthal
who wants to talk to Home Team. I would recommend you
get Alexis Reed on the phone and he's in conversation.
He'll be on the phone in just a minute. Please stand
by.

LIZ: Okay. Hey, Paul.

PAUL GUS: Yes.

LIZ: Alexis is on the other line right now
so, I mean --

PAUL GUS: Okay, then whoever else is on
the Home Team, I'm sure Dan will want to talk to them
so please stand by.

LIZ: Okay.

DAN BLUMENTHAL: Hello, this is Dan.

LIZ: Hi, Dan. This is Liz. Your
assessment scientists here right now are Harvey Clark
and Alexis Reed and they're both on the other --

DAN BLUMENTHAL: Perfect. Okay, Harvey and
Alexis --

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1 LIZ: Wait, wait, wait, Dan, Dan. Wait,
2 wait, Dan, Dan. They're on the other line right now,
3 though, so hold on. They know you're online and they're
4 trying to finish up their call.

5 BRIAN HUNT: Hey, Liz. This is Brian.
6 Terry and I are here too. We just came on a little while
7 ago.

8 LIZ: Okay.

9 DAN BLUMENTHAL: Okay, that'll work. I'll
10 just talk to you guys. Then you can pass it on.

11 LIZ: Okay.

12 DAN BLUMENTHAL: So the maps that were made
13 for our turnover brief this morning, it's going to be
14 Greek to a General, okay? And I think we've taken a
15 step backwards from what I had yesterday.

16 So, like, the aerial survey where it's
17 Exposure A, you know, it has milli R per hour. Then
18 it says early phase DRL, first DRL. I mean, he's not
19 going to know. You got to put it in plain English. It
20 means nothing, okay?

21 TERRY KRAUS: Okay, plain English --

22 DAN BLUMENTHAL: You have to just, what does
23 it mean? What does early phase -- I mean, I know what
24 it means and I can explain it but it doesn't --

25 TERRY KRAUS: Right, do you want it in terms

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1 of, say, evacuation and sheltering or relocation?

2 DAN BLUMENTHAL: Like, you know, okay, first
3 year DRL, what does that mean? Put it in words, you
4 know, relocation, et cetera, okay? And DRL, I don't
5 ever want to see DRL on a plot, okay?

6 And then the field monitoring results, let
7 the GIS folks know that the symbols are still way too
8 small for a bunch of older guys, you know, looking on
9 a big screen.

10 And I don't think we should be using our
11 three-legged symbol because it's just too much to absorb.
12 Figure out how to make some sort of, I don't know,
13 assimilated plot.

14 Like the first, it has the little removable
15 contamination, and showing DPM per square centimeter
16 to a general is a really useless thing to do, as is showing
17 microcuries per square meter, okay, and removable versus
18 beta and then exposure rate.

19 We should probably just figure out something
20 to do with color-coded dots that are much larger and
21 just say, you know, talk about the relocation, you know,
22 first year, second year kind of thing, 50 year, and I
23 guess early phase too. And early phase, what is the
24 early phase? It just says early phase. I forgot what
25 the --

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1 BRIAN HUNT: Days generally.

2 DAN BLUMENTHAL: What?

3 BRIAN HUNT: Four days generally.

4 TERRY KRAUS: One rem --

5 DAN BLUMENTHAL: One rem in four days. And
6 the first year is one rem in the first year.

7 BRIAN HUNT: Two rem.

8 DAN BLUMENTHAL: No two, the second year
9 is one rem in the second year.

10 TERRY KRAUS: 500 millirem.

11 DAN BLUMENTHAL: Oh, it's 500 milli. Okay,
12 so the first year is two rem in the first year?

13 BRIAN HUNT: Yes.

14 DAN BLUMENTHAL: And the second year is 500
15 millirem in the second year, and so green means that
16 -- if they were, let's see, greater than -- so where
17 the dark green and people were going to exceed the
18 regulatory limits of a dose in the second year, which
19 means they shouldn't come back home, right?

20 TERRY KRAUS: Right. Yes, if you exceed
21 the --

22 DAN BLUMENTHAL: So, why don't we say, you
23 know, people can't come home until after the second year?

24 TERRY KRAUS: Okay.

25 DAN BLUMENTHAL: At least. You know, you

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1 got to learn to say things like that. And so figure
2 out a legend that's common across both aerial and ground.

3 So I mean, they're really just different ways of making
4 measurements and we're trying to communicate the same
5 message.

6 TERRY KRAUS: Okay. Dan --

7 DAN BLUMENTHAL: Okay?

8 TERRY KRAUS: Friday night you came on shift.

9 I'm just wondering, are we still mainly, our mission
10 is the U.S. assets, not Japan, Japanese residents or
11 --

12 DAN BLUMENTHAL: Yes, okay, doesn't matter
13 who is getting these. The Japanese are getting all these
14 plots but just apply our own U.S. guidance for now.

15 TERRY KRAUS: Okay.

16 DAN BLUMENTHAL: I don't want to have too
17 many variables. Also a map, and I told this yesterday,
18 a map should always be Japan time. He ripped someone
19 a new one when they were putting in Zulu time and other
20 time zones. He said, you know, we can't be doing the
21 math here.

22 TERRY KRAUS: Okay, we'll make sure we get
23 that conveyed.

24 DAN BLUMENTHAL: So, yes.

25 TERRY KRAUS: Anything else, Dan?

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1 DAN BLUMENTHAL: I guess the two field
2 monitoring maps could be zoomed in, okay? Okay, I see.

3 You know, I don't know. We have a lot of data points.

4 I don't know if we need to -- well, think
5 about, I mean, if you're going to make them larger, they're
6 not all going to show up so you have to think about whether
7 there's another way to display it. I don't know, have
8 to think about. But the points are kind of small.

9 Let's see, okay, so got to work on the legends,
10 let's see, plain English, got to make sure everything
11 is in Japan time and I guess you can leave kilometers
12 because you have miles. That's good. And if we give
13 it to the Japanese, then it's nice to have kilometers.

14 Oh, and if we do, we got to make symbols
15 that are visible. You know, when we make a, it's probably
16 hard to do. Here's the ground rule. When you make your
17 plots, print them out on 8-1/2 by 11 on a pretty mediocre
18 printer and see what you think.

19 TERRY KRAUS: Okay.

20 DAN BLUMENTHAL: I'm serious. I mean, on
21 the screen, I mean, when these get printed out D size,
22 they're really good because you got to keep them small
23 because in FRMAC we get, you know, thousands of data
24 points and if you make them too big it's kind of awful.
25 So it works for our normal applications but not for

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1 briefing. That sound good?

2 TERRY KRAUS: Okay, can we run these by you
3 for one quick review before they finalize them because
4 --

5 DAN BLUMENTHAL: There's no hurry. You have
6 12 hours now to do it again.

7 TERRY KRAUS: Okay, and you're just coming
8 on shift?

9 DAN BLUMENTHAL: Well, I don't have shifts.
10 We have our shift change briefing here in a few minutes
11 so this is what we'll show to the command staff.

12 TERRY KRAUS: Okay.

13 DAN BLUMENTHAL: So I'll just have to dance
14 around it and say, well, get it, you know, clearer language
15 by this evening. But we had the scientists working on
16 assessing the data to put it in terms of I guess some
17 more, you know, long-term operational considerations.

18 So, I mean, we only had the other briefing
19 12 hours ago so this is a good step, and the aerial one
20 is really good that we found the edge of the contamination,
21 so that was cool too.

22 ALEXIS REED: Hey, Dan, this is Alexis.

23 DAN BLUMENTHAL: Hey, Alexis.

24 ALEXIS REED: I just kind of came in on this
25 in the middle. Did you have a request to make a change

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1 for the next briefing on how those products are laid
2 out?

3 DAN BLUMENTHAL: You have 12 hours to make
4 the next change and I talked to -- Terry has all my comments
5 and stuff and we can talk more. Maybe we can reconvene
6 after the briefing and after things calm down a little,
7 probably in two/three hours.

8 TERRY KRAUS: Dan, Brian and I will talk
9 with Alexis and convey your inputs as we understand them
10 and then when you --

11 DAN BLUMENTHAL: Okay, and then you have
12 a couple hours to think about options and then we can,
13 you know, converge on something.

14 BRIAN HUNT: Sounds good.

15 DAN BLUMENTHAL: That sound good?

16 TERRY KRAUS: Okay.

17 DAN BLUMENTHAL: Okay, thanks.

18 TERRY KRAUS: All right, Dan, thanks.

19 DANBLUMENTHAL: Thisisgood. Thisisgood.
20 It's just, you know, just needs some tweaking around
21 the edges so we can convey our message.

22 What am I looking at?

23 MALE PARTICIPANT: Kilometers.

24 TERRY KRAUS: Okay.

25 GARY MANSFIELD: Hey, Terry, this is Gary

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1 Mansfield at NARAC.

2 DAN BLUMENTHAL: Okay, so, I guess we should
3 also ditch the kilometers too. Just put it in miles.

4 TERRY KRAUS: Okay, just miles, okay. Okay.
5 I'll talk with Alexis and we'll get these changes
6 underway.

7 DAN BLUMENTHAL: Okay, talk to you in a few
8 hours.

9 TERRY KRAUS: Okay. Hey, Gary, if you can
10 hold on, I'm going to need to talk to Alexis but I really
11 want to talk to you.

12 GARY MANSFIELD: Yes, will do.

13 TERRY KRAUS: Okay. Hey, Alexis, Terry
14 Kraus and Brian Hunt. We just got on shift, okay, so
15 some key points that Dan said, there's old guys with
16 bad eyes looking at these pictures, these data products.
17 Keep that in concern.

18 HARVEY CLARK: Well, wait a minute. Wait
19 a minute. Are they supposed to be the 8-1/2 by 11s that
20 were made for briefings and projection or are they the
21 D size for hanging on the wall? Which are we talking
22 about?

23 TERRY KRAUS: Well, what he said was keep
24 in mind that these are going to be printed out on an
25 8-1/2 by 11 off of bad printers so --

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1 HARVEY CLARK: Okay, we've already made ones
2 for 8-1/2 by 11 so there's not much we can do about that.

3 ALEXIS REED: Well, I'm thinking maybe --
4 well, I mean, I know. I'm sorry, Terry, that you had
5 to take those notes.

6 TERRY KRAUS: Yes.

7 ALEXIS REED: I didn't realize he was asking
8 for us but --

9 TERRY KRAUS: If you can just let me continue,
10 Harv, and then --

11 BRIAN HUNT: He had a couple, just two or
12 three specific requests.

13 TERRY KRAUS: So the legends, you know, the
14 three-pronged symbols are not visible at all. You know,
15 for radiation and --

16 BRIAN HUNT: The alpha, beta, gamma things.

17 TERRY KRAUS: Yes. So the legend needs to
18 be improved so they're more visible. So essentially
19 I think mainly bigger is the big thing because they are
20 unclear whatever version they're looking at. You know,
21 you may have some suitable for big versions or some for
22 8-1/2, as you said Harv, but clearly it's not cutting
23 it.

24 Maps have to be in Japan's standard time
25 or whatever the current Japan time zone is called.

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1 ALEXIS REED: Got it.

2 TERRY KRAUS: Not Zulu.

3 ALEXIS REED: Got it.

4 TERRY KRAUS: Okay, the wording, Dan says
5 he doesn't want to see DRL, or derived response level,
6 on anything because that means nothing to them. It has
7 to be put in simple terms and I believe what would be
8 best would be something like for the early phase one
9 rem over four days first year, two rem over first year,
10 second year 500 millirem over second year.

11 And then also if you could put something
12 with the action. For example, second year cannot relocate
13 if, you know, if that 500 millirem in the second year's
14 exceeded.

15 ALEXIS REED: Cannot relocate?

16 BRIAN HUNT: Or cannot return.

17 TERRY KRAUS: Yes. Yes, for the second year,
18 you know. If it's still over 500 millirem that would
19 exceed the relocation PAG.

20 ALEXIS REED: So in the 50-year what's the
21 proper -- isn't it now a half rem over any additional
22 year or --

23 TERRY KRAUS: Right, yes, the second year
24 --

25 BRIAN HUNT: That's a standard second year,

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1 yes.

2 TERRY KRAUS: Right.

3 ALEXIS REED: What about the 50?

4 TERRY KRAUS: Well, I think just go with
5 the standard U.S. PAG, the five rem, over --

6 ALEXIS REED: Five rem, okay. Because at
7 this stage I don't know, I never, I'm still unclear as
8 whether we're using old guidance or new guidance but
9 okay. Five rem over 50 years.

10 TERRY KRAUS: Yes. So he doesn't want DRL
11 or microcurie per meter squared on them because they
12 don't mean anything to these experienced generals.

13 ALEXIS REED: All right. Okay, when you
14 said cannot return, what do you mean, not return?

15 TERRY KRAUS: Well, you know, the relocation
16 PAG for the second year or for any subsequent year
17 thereafter is 500 millirem per year. And the EPA guidance
18 is that you cannot relocate or return (indiscernible,
19 possibly for rehabit) those areas until it's less than
20 that 500 millirem dose limit.

21 ALEXIS REED: I mean, okay. That's going
22 to be a lot of work. I mean, okay.

23 TERRY KRAUS: Right, yes. I'd say, you know
24 --

25 BRIAN HUNT: Well, but Dan said he can explain

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1 it.

2 ALEXIS REED: Okay.

3 BRIAN HUNT: But we just need it to be, you
4 know, not be in health physics jargonese.

5 ALEXIS REED: Okay, so it's 5 rem over 50
6 years, not an additional half rem in any subsequent year?

7 BRIAN HUNT: That's the second year one.
8 The second year value is essentially 500 millirem in
9 any year after the first, but because --

10 MALE PARTICIPANT: Well, we can quote the
11 PAGs all right. I mean, we don't have to do that. We
12 just got to figure out how many of those words we put
13 down.

14 ALEXIS REED: Okay, all right. What else
15 did he have?

16 BRIAN HUNT: Yes, I basically got three
17 things, the symbols were too small, need to put it in
18 common stuff, not Home Team jargon, oh, I guess for Japan
19 time and what did he say about GIS?

20 FEMALE PARTICIPANT: I heard him say
21 something about not D-size format but these aren't D-size
22 format. These are A.

23 TERRY KRAUS: Okay, I don't even know what
24 A and D format type --

25 FEMALE PARTICIPANT: A is 8-1/2 by 11 and

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1 D is, like --

2 (Crosstalk)

3 TERRY KRAUS: So I think essentially if you
4 guys are making, maybe this is the problem, maybe you're
5 making D-size formats that are getting printed out in
6 A-size, 8 by 11.

7 FEMALE PARTICIPANT: But we're not. We're
8 not.

9 TERRY KRAUS: Okay, but --

10 FEMALE PARTICIPANT: We're making A and
11 they're printing them out in A, so he may just think
12 because (indiscernible, possibly that bill) does not
13 look that huge but this is -- I don't know. Have you
14 guys even see these? You're probably talking --

15 MALE PARTICIPANT: Where are there?

16 ALEXIS REED: If you want to look at them,
17 there's a PowerPoint briefing in the CMHT working product
18 folder, the book. Oh, he also said drop kilometers,
19 didn't he?

20 TERRY KRAUS: Yes, wants it in miles. So
21 larger color codes and larger dots.

22 MALE PARTICIPANT: So where is this, Alexis?

23 ALEXIS REED: In the CMHT folder under CMHT
24 working products book.

25 MALE PARTICIPANT: CMHT working products

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1 book. I do not have that.

2 ALEXIS REED: Okay, it may not be shared
3 with --

4 MALE PARTICIPANT: You know what, the
5 biggest difference that he didn't mention is on this
6 plot where it has all the field monitoring results.
7 We have removal, contamination and beta deposition.
8 Those aren't in terms of DRLs because they're meaningless,
9 right?

10 MALE PARTICIPANT: Well, yes.

11 MALE PARTICIPANT: So we should get rid of
12 two thirds of the data.

13 TERRY KRAUS: Yes. He doesn't want that
14 removable contamination stuff. That's just meaningless
15 to them, okay? Just focus on what needs to be there
16 for protective action decisions, you know, so they can
17 look at the map and see a contour that exceeds each of,
18 or doesn't exceed, each of the PAGs.

19 MALE PARTICIPANT: And that's the way we
20 can get bigger icons, we get rid of the (indiscernible,
21 possibly chicken foot), we go to the single icon instead
22 of the (indiscernible, possibly trifoil) and --

23 ALEXIS REED: All right. All right.

24 TERRY KRAUS: And so, as you heard, Dan's
25 going to call back in three or four hours or something

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1 like that. This data product I guess is due in, like,
2 12 hours so what are we talking, the end of the shift.

3 MALE PARTICIPANT: Well, actually this data
4 product was done around, what, 10 o'clock our time.

5 FEMALE PARTICIPANT: He means for the next
6 set. These are all changes from --

7 BRIAN HUNT: Yes, to have these changed --

8 MALE PARTICIPANT: Yes, but we redid them
9 all to change the legend and now we're going to re-change
10 them all again to change the font sizes.

11 ALEXIS REED: We did them for a briefing
12 and --

13 BRIAN HUNT: He liked the other set better.

14 ALEXIS REED: He what?

15 TERRY KRAUS: He liked the other set better.

16 ALEXIS REED: What other set?

17 MALE PARTICIPANT: He said today was a step
18 back from yesterday. That was the first thing he said.

19 ALEXIS REED: I don't know what he had
20 yesterday.

21 TERRY KRAUS: Yes, I'm sorry. I don't know
22 either, Alexis, but Dan is going to call back when he
23 gets a chance, he said like in three or fours, and I
24 think that's the time -- I'm not sure if you guys are
25 going to still be on shift. I don't know what your cycle

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1 is. But that will at least give you an opportunity to,
2 you know, to explain what you've done and see if we're
3 on the right track.

4 ALEXIS REED: All right, we'll re-do these.

5 TERRY KRAUS: And can we get shared
6 privileges to those folders, because we haven't seen
7 hardly anything like that --

8 ALEXIS REED: Yes.

9 TERRY KRAUS: -- or none of those data
10 products, just for our own --

11 ALEXIS REED: Did he have any changes on
12 the AMS?

13 MALE PARTICIPANT: AMS, nothing on the
14 release. On working -- oh, did Dan?

15 FEMALE PARTICIPANT: Yes.

16 TERRY KRAUS: No. The only thing I got was
17 aerial survey put in simple terms so that was his whole
18 message.

19 BRIAN HUNT: And a common legend for air
20 and ground is what he said.

21 ALEXIS REED: Okay, we're on it.

22 BRIAN HUNT: Okay, I've got aerial
23 monitoring results but I apparently don't have access
24 to that other book.

25 TERRY KRAUS: Okay, so can you guys, just

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1 where are you as far as your shift cycle go, just so
2 we know.

3 ALEXIS REED: We're 6:00 to 6:00 Pacific,
4 so.

5 BRIAN HUNT: Okay, so you're there for --

6 ALEXIS REED: But we're going to change --
7 well, I am here till 6:00 today. We are, if you care
8 to write this down, going to change and from this point
9 forward, the Pacific shift times, I'll be on from 6:00
10 a.m. to 4:00 p.m.

11 Wendy (phonetic) will be on, I'm sorry, yes,
12 Wendy will be on from 2:00 p.m. to midnight and Colin
13 (phonetic) will be on from 10:00 p.m. to 8:00 a.m. The
14 12 hours are killing us. We can't do 12 hours anymore.

15 MALE PARTICIPANT: Yes, right.

16 ALEXIS REED: So what we're going to do is
17 10 which will probably extend to 12 but what we're doing
18 right now is 12. It's extending to 16, so.

19 TERRY KRAUS: Exactly. That's where we're
20 at too. Okay.

21 GERRY: This is Gerry (phonetic). Can I
22 interrupt for a second?

23 TERRY KRAUS: Sure.

24 ALEXIS REED: Sure.

25 GERRY: I need for a 6:30 conference call

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1 with OSTP, the International Security Staff, one or two
2 good health physicists, maybe Steve Holman (phonetic).

3 I don't know. Harvey, who's available?

4 HARVEY CLARK: Say again, what time?

5 GERRY: 6:30 Eastern so in 25 minutes.

6 TERRY KRAUS: Gerry, this is Terry Kraus.
7 I'm available.

8 GERRY: Okay.

9 HARVEY CLARK: What's the topic, Gerry?

10 GERRY: The topic is how we're doing modeling,
11 how we're figuring out dose conversion factors. Just
12 things like that. I mean --

13 MALE PARTICIPANT: Then we should get Steve
14 Holman or one of the NARAC people on there for sure.

15 GERRY: Well, we'll have NARAC on. Is Steve
16 Holman there?

17 GARY MANSFIELD: He is still here but he
18 might have to take off soon. This is Gary Mansfield.
19 I'll be here. I've also got Dave Meyers (phonetic)
20 here. Let me check on Steve's availability. So this
21 would be 6:30 Eastern conference call. Is that correct?

22 GERRY: Right, 1530 Pacific. Harvey, are
23 you available?

24 GARY MANSFIELD: All right, so that's pretty
25 soon. Let me check.

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1 HARVEY CLARK: Yes, I'll still be there.
2 I haven't calculated the DRL so that's all stuff that
3 Neal's (phonetic) doing and the NARAC modeling. Of course,
4 you need a NARACer. So I'll be here and I'll be available
5 and participate but I think we really got to make sure
6 that we have both a Sandia and a NARAC rep.

7 GERRY: Okay then, Terry, we'll for sure
8 take you and if Steve Holman's available we'll take these
9 two guys.

10 TERRY KRAUS: Do we have the phone number?

11 GERRY: We're getting a phone number. This
12 is just happening. We're just setting this up now.

13 TERRY KRAUS: Okay, you could just report
14 it to the bridge line when you get it if you don't have
15 it right now.

16 GERRY: Okay. I'm just going to hang on
17 and see if Steve Holman's available.

18
19
20
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(CONFERENCE CALL INITIATED)

0%I514)_15365094

MALE PARTICIPANT: Is NRC still monitoring
the bridge line?

FEMALE PARTICIPANT: Yes, we are still here.

MALE PARTICIPANT: Okay.

GERRY: NRC, if you're there, you can be
on this conference call as well if you like.

MALE PARTICIPANT: Hello. You're breaking
up. We can't hear you.

GERRY: This is Gerry (phonetic) in the NIT
and I was just telling NRC that we will send you an invite
to the conference call for 6:30 p.m. Eastern. That's
in 25 minutes with OSTP and possibly somebody from the
National Security Staff.

MALE PARTICIPANT: All right.

MALE PARTICIPANT: Okay and regarding the
request for the updated AMS plots, please call the NIT.
They can make arrangements. Do you have that number?
If you don't, I'll give it you.

FEMALE PARTICIPANT: Give it to us again.

MALE PARTICIPANT: Why don't you give it
again so that we make sure that we've got it.

MALE PARTICIPANT: Okay, area code
202-586-8100.

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1 FEMALE PARTICIPANT: Okay.

2 MALE PARTICIPANT: That's it and they'll
3 fix you up.

4 MALE PARTICIPANT: Yes.

5 FEMALE PARTICIPANT: 202-586-8100.

6 MALE PARTICIPANT: Yes, ma'am.

7 FEMALE PARTICIPANT: Okay.

8 MALE PARTICIPANT: Thank you. You're going
9 to be emailing us that invitation for the 6:30 or is
10 that just back on this bridge line?

11 MALE PARTICIPANT: No, it's the
12 teleconference with OSTP. I'm getting a separate call-in
13 number so that we don't have background noise like last
14 time.

15 MALE PARTICIPANT: Which email address?

16 FEMALE PARTICIPANT: PMT12.

17 MALE PARTICIPANT: Okay.

18 GARY MANSFIELD:

19
20 (b)(5)
21
22
23

24 GERRY: Is Anne Marie (phonetic), is that
25 the person who's doing the calculations? Is she an

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1 appropriate person then instead of Steve?

2 GARY MANSFIELD: She has been involved in
3 talking to the Sandia folks about the calculation of
4 the DRLs but she is not here this shift.

5 GERRY: Okay, well then --

6 GARY MANSFIELD: I assume Terry and company
7 would be the most appropriate people to talk about the
8 DRL.

9 GERRY: Okay, Terry. I guess we'll just
10 go with you then, okay?

11 TERRY KRAUS: Okay. But, Gerry, I think
12 it'd be good to have Gary Mansfield still because he
13 has the direct connection with NARAC there so he knows
14 some things --

15 GERRY: Okay, fine. We'll have NARAC as
16 well. And, Gary, you can get on if you like.

17 GARY MANSFIELD: Great, thank you.

18 GERRY: I'm going to get off here.

19 MALE PARTICIPANT: All right. This is the
20 NRC. If you can just email the separate call-in number
21 for the 6:30 to PMT12, that's number 1, 2, at nrc.gov.
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(CONFERENCE CALL INITIATED)

0%I5CMEL15365094

MALE PARTICIPANT: You have reached the United States Department of Energy Operation Center. Your call is being transferred to a DOE Watch Officer.

ANTHONY: Hello, Anthony (phonetic) speaking. Can I help you?

DONALD COOL: Good evening. This is Donald Cool with the Nuclear Regulatory Commission Operation Center Protective Measures Team. This is a recorded line. Calling to be patched to the NIT to follow up with them on availability of aerial monitoring run from Tokyo.

(Pause.)

MALE PARTICIPANT: Hello.

DONALD COOL: Hello. This is Don Cool, the Director of the Protective Measures Team at the Nuclear Regulatory Commission Operation Center. This is a recorded line.

We were trying to follow up through the Consequence Management Home Team bridge for why we hadn't seen any AMS data since about 36 hours ago. They asked us to call you, so I'm calling you. The last one that we've got is about 36 hours old so there's got to be one since 4:00 a.m. Pacific Coast time on the 18th.

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1 MALE PARTICIPANT: The next SitRep I believe
2 is going to have updated AMS information.

3 DONALD COOL: And when will that be coming
4 over?

5 MALE PARTICIPANT: The SitRep goes out
6 normally 1800 today.

7 When's the SitRep going out? SitRep should
8 be there within 15 minutes or so.

9 DONALD COOL: All right. Where is that being
10 transmitted to over here?

11 MALE PARTICIPANT: That will be transmitted
12 to your Watch Office probably.

13 (Off microphone discussion)

14 MALE PARTICIPANT: Sounds like we send it
15 to pmt01@nrc.gov plus others.

16 DONALD COOL: If you send it to 01 we can
17 find it but make sure that it's pmt01.hoc.

18 MALE PARTICIPANT: Hold on.

19 MALE PARTICIPANT: You're having problems
20 locating the file?

21 DONALD COOL: Well, I'm not sure where you
22 sent it so you sent it --

23 MALE PARTICIPANT: You need the three
24 mailboxes we send to?

25 DONALD COOL: Yes.

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1 MALE PARTICIPANT: One of them is
2 hoo.hoc@nrc.gov.

3 DONALD COOL: Okay.

4 MALE PARTICIPANT: Next one is
5 pmt01.hoc@nrc.gov.

6 DONALD COOL: All right.

7 MALE PARTICIPANT: And the last one is
8 pmt02.hoc@nrc.gov.

9 DONALD COOL: Okay, we'll have to go find
10 that machine so we can make sure that we pull it up because
11 that's not the one we actually have on the Director's
12 table, but thank you. Appreciate that and we should
13 look for the next update within a few minutes because
14 you're sending it out now.

15 MALE PARTICIPANT: We send out all of our
16 emails to those addresses to you guys. We're not using
17 the other ones. Is there another address we should be
18 using?

19 DONALD COOL: It would be nice for you to
20 use pmt12.

21 MALE PARTICIPANT: Papa, Mike, Tango, number
22 1, number 2.

23 DONALD COOL: .hoc@nrc.gov.

24 MALE PARTICIPANT: Okay. All right. You
25 haven't been getting anything from us this whole time.

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1 DONALD COOL: Yes, I think we just uncovered
2 the problem. You were sending it to one of our machines
3 but it's not a machine somebody's sitting on. My Deputy
4 Director who's tracking that stuff is sitting on a
5 different machine. So now we'll find it. Okay,
6 appreciate that. Thank you.

7 MALE PARTICIPANT: All right. Thanks, bye.
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0%I5TTK_15365094

FEMALE PARTICIPANT: Welcome to the
TeleVantage Conference Manager. Please enter your
conference ID, followed by the pound sign.

There are currently two people in the
conference. Please hold while we connect you. Please
say your name.

DONALD COOL: Donald Cool, NRC Protective
Measures Team.

FEMALE PARTICIPANT: Thank you.

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GERRY: John (phonetic), do you have the document?

JOHN GALES: Gerry (phonetic), this is John Gales (phonetic) here as well. We have the --

FEMALE PARTICIPANT: We have the email.

JOHN GALES: We have the email, yes.

GERRY: Okay, good. Kyra (phonetic), you probably don't have it. I need to send it to you and I'll send it to the PMT as well. Is anybody on from there?

DONALD COOL: If you're talking about the NRC's PMT, yes, we are.

GERRY: Okay, I'll send the document to the email, the pmt email address, just an email so you have it for this call.

DONALD COOL: All right. Please use pmt12.hoc@nrc.gov. That's the computer we've got here on the Director's desk.

MALE PARTICIPANT: All right. He just left but I'll go track him down and make sure he sends it to pmt12.

DONALD COOL: Yes, because we've got multiple computers and we want to make sure it comes

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1 to the right one. Thank you.
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(CONFERENCE CALL INITIATED)

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STEVE: Okay, well, maybe we should get started and if Julie (phonetic) comes on we can catch her up.

(b)(6): I'm on, Steve (phonetic).

STEVE: Okay, so everyone's here.

MALE PARTICIPANT: Actually Gerry's (phonetic) not here yet. He'll be back in about 30 seconds so if we can just hold off for just a couple minutes, couple seconds here.

STEVE: Okay. Well, just as a piece of housekeeping, did everybody get the email from Steve Fetter on identifying two tasks?

(b)(6): I did, Steve.

MALE PARTICIPANT: That's what Gerry's doing right now actually, is sending that out to a couple other folks.

STEVE: Okay.

GERRY: Sorry, this is Gerry. I just sent out the portion of the email to everybody on the conference call. Some of you already have it I know, but just to make sure everybody has it so they have it. So do we have everybody?

MALE PARTICIPANT: I believe everyone's here,

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1 yes.

2 MALE PARTICIPANT: Okay. Where should we
3 start?

4 MALE PARTICIPANT: Modeling.

5 STEVE: First, thanks to everybody for
6 joining on the call. We just want to make sure that,
7 first of all, we all understand what the calculations
8 are that are being requested of NARAC, be sure we can
9 give NARAC an opportunity and get any questions, clarify
10 anything.

11
12
13
14 (b)(5)
15
16
17

18 And then, finally, let's talk a little bit
19 about what kind of data reporting has come back our way,
20 if that's okay. Does that sound okay to people?

21 MALE PARTICIPANT: Yes, it sounds good to
22 me.

23 STEVE: Okay.

24 FEMALE PARTICIPANT: Okay.

25 STEVE: Steve, maybe you could walk us

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1 through, let's start with your first task and just walk
2 us through what you're looking for here.

3 (b)(6) :

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5 (b)(5)
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12 (b)(5)
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17 (b)(5)
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19 (b)(5)
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22 (b)(5)
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25 (b)(5)

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(b)(5)

(b)(5)

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(b)(5)

MALE PARTICIPANT: Well, we can start at
the top of the list. I think we've already identified

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1 a case of real weather blowing towards Tokyo. John
2 Nasstrom, do you know what the date of that is? It's
3 relatively recent, isn't it?

4 GALE: This is Gale (phonetic) at NARAC.
5 So we only found in the real-world cases up to now,

6 [REDACTED]
7 (b)(5)
8 [REDACTED]
9 [REDACTED]

10 It's possible that our forecasts, which are
11 showing the wind shifting, will have a longer period
12 but right now that's the only time frame and it's only
13 for four hours. So I don't know if that's a sufficient
14 time frame for you, but we don't have any other real-world
15 wind cases --

16 (b)(6) : [REDACTED]
17 [REDACTED] (b)(5)
18 [REDACTED]

19 GALE: No, then you would (inaudible) dose
20 that you need for your (inaudible).

21 (b)(6) : [REDACTED]
22 [REDACTED] (b)(5)

23 GALE: [REDACTED]
24 [REDACTED] (b)(5)
25 [REDACTED]

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(b)(5)

(b)(6)

:

(b)(5)

MALE PARTICIPANT:

(b)(5)

(b)(6)

:

(b)(5)

GALE: Yes, we'll look into that and if we
can we'll use the forecast data.

(b)(6)

:

Okay.

MALE PARTICIPANT: Gale, how far back did
you look to try to find the wind --

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1 GALE:

2 (b)(5)

3
4
5 MALE PARTICIPANT: Could you look, for
6 instance, just to February as well? Is that data
7 available?

8 GALE: Oh, we'd have to go back and process
9 all of those. We could do that but it'd be a long time
10 frame.

11 MALE PARTICIPANT: Yes, we've only been
12 running the high-resolution model over Japan since about
13 the 12th.

14 (b)(6):

15 (b)(5)

16
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18 (b)(5)

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24 GALE:

25 (b)(5)

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(b)(5)
Is that far enough for you?

(b)(6) : (b)(5)
(b)(5)

GALE: Oh, good grief. I have no idea.

(b)(6) : Here, I can pull up a map.

GALE: (b)(5)

MALE PARTICIPANT: (b)(5)

(b)(5)

GALE: (b)(5)

(b)(6) : That's fine.

GALE: Okay, that's far enough? Okay,
that's good because that would take a while to rebuild.
And you're talking about, maybe, Gerry, this was your
question, you're talking about the NRC's supercore source
term, is that correct?

GERRY: Yes, the source term we used for
the previous runs that, for the trans-Pacific runs.

(b)(6) : (b)(5)

GALE: Okay.

TERRY KRAUS: This is Terry Kraus. Can you
hear me?

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(b)(6) : Yes.

TERRY KRAUS: We're having trouble with --
okay.

(b)(5)

(b)(5)

(b)(5)

(b)(6)

(b)(5)

JOHN NASSTROM: (b)(6) this is John Nasstrom
in NARAC. The model does, you know, include resuspension
and inhalation, so the model we're running over Japan

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1 has been producing those combined doses from all pathways,
2 so --

3 (b)(6) :

4 (b)(5)

5
6 JOHN NASSTROM: Both.

7 (b)(6)

8 (b)(5)

9
10 GALE: So we can produce that. It will take
11 a while because I think we're running, if I recall, the
12 (b)(5). Is that correct, John?

13 JOHN NASSTROM: Yes.

14 (b)(6) :

15 (b)(5)

16 GALE: Okay, but it'll take us a while to
17 put that out.

18 (b)(5)

19
20
21 (b)(6) :

22 (b)(5)

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(b)(5)

GALE: I believe that's what's in there.

JOHN NASSTROM: Yes, that's right.

(b)(6)

: Yes, that's fine. I think

--

GALE: Then we want NRC to be sure that was
you know, sufficient coverage of --

MALE PARTICIPANT: And that was an NRC
provided list. They did an analysis and said that was
the vast majority of the dose.

GALE: I can't remember what percent of the
dose but, you know, certainly, you know. You think you
would like a table of the dose and the, dose by time
or just total dose for each --

(b)(6)

:
(b)(5)

(b)(5)

TERRY KRAUS: This is Terry Kraus. One thing

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1 I think we need to establish is make sure we're talking
2 about the same time period. Are we looking at just the
3 early phase?

4 [REDACTED]
5 [REDACTED]
6 (b)(5)
7 [REDACTED]
8 [REDACTED]
9 [REDACTED]

10 (b)(6)

(b)(5)

11 (b)(5)

12 TERRY KRAUS: Okay, starting at release
13 essentially or deposition or, you know, at time zero
14 I mean.

15 (b)(6)

16 [REDACTED]
17 (b)(5)
18 [REDACTED]
19 [REDACTED]

20 TERRY KRAUS: Okay, understand.

21 (b)(6)

(b)(5)

22 (b)(5)

23 TERRY KRAUS: Yes, it is.

24 (b)(6)

: Yes.

25 GALE: So we had one last question.

(b)(5)

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(b)(5)

(b)(6) :

(b)(5)

GALE: No, Tokyo is on the grid. We just cut off about 20 kilometers south of Tokyo.

(b)(6) :

(b)(5)

GALE: It's probably not that sensitive but we'll use that as a --

(b)(6) : Okay.

MALE PARTICIPANT: I have a question. Gale, when you say you do the top 16 radionuclides, you still just use one marker particle, like cesium, or not?

GALE: No.

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1 MALE PARTICIPANT:

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3 (b)(5)
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5

6 GALE: For the top 16 radionuclides.

7 MALE PARTICIPANT: (b)(5)

8 MALE PARTICIPANT: Right, so the
9 (inaudible).

10 MALE PARTICIPANT: (Inaudible) markers.

11 (b)(6) :

(b)(5)

12 (b)(5)

13 MALE PARTICIPANT:

14
15 (b)(5)
16
17

18 GALE: That is correct. Do you need the
19 combined as well, because that would make a third run.

20 (b)(6) :

21 (b)(5)
22

23 GALE: Okay.

24 TERRY KRAUS: This is Terry Kraus again.
25 I see in number one we're talking about acute doses also.

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1 Now, acute doses are quite different than our normal
2 doses that the PAGs are based off of. Acute doses are
3 integrated, you know, the inhalation doses are integrated
4 over only a 30-day period.

5 So, you know, that would take additional
6 time to look at both the acute dose and the chronic dose
7 from all of these radionuclides and I'm not sure, you
8 know, if that's really what you want or you want just
9 to focus on iodine-131 in case of the acute dose.

10 (b)(6) :

11 (b)(5)

12
13 TERRY KRAUS: Okay, that sounds good.

14 (b)(6) :

15 (b)(5)

16 MALE PARTICIPANT: For the more modern
17 dosimetry system it's similar. It's TED, total effective
18 dose.

19 (b)(6) :

20
21
22 (b)(5)
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1 trans-Pacific runs where that pathway really dominates
2 --

3 TERRY KRAUS: Steve, yes, I think we
4 definitely want to also evaluate the food, cow-milk
5 pathway in Japan. It might be much more relevant in
6 Japan than it is in Alaska.

7 (b)(6)

8 (b)(5)

9
10 TERRY KRAUS: I think we really have to do
11 the ingestion pathway separately because it is so
12 different and that's the typical way of doing that and,
13 you know, the cow-milk pathway is basically, the limiting
14 age group is that 1-year-old child.

15 (b)(6): That's right.

16 TERRY KRAUS: We have specific dose
17 conversion factors for that age group, whereas public
18 protection decisions are based on the adults so that's
19 a whole different suite of ingestion and, you know, dose
20 conversion factors specific to the adult receptor.

21 So we can't really combine the ingestion
22 and the protective action relocation/sheltering
23 decisions into one thing. We need to evaluate them,
24 but they are best done separately.

25 (b)(6): Okay. No, I'm glad to know

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1 that, that it is kept separate.

2 JOHN NASSTROM: So just a comment. This
3 is John again. The ingestion levels cover a huge amount
4 of real estate. You know, it's going to cover the entire
5 island of Japan.

6 Another level is the KI administration level
7 due to the inhalation dose you're going to get during
8 cloud passage so that's a plot that would -- it seems
9 like that's the initial decision.

10 Along with evacuation and sheltering, you're
11 also going to be making soon after that potassium iodide
12 administration decisions so the ingestion stuff, that's
13 going to go well off our current calculational grid and
14 cover the whole island of Japan.

15 GALE: Just because the levels are so low.

16 JOHN NASSTROM: The levels are so low, yes.
17 You're talking about contamination levels that are much
18 lower than anything that would cause the early phase
19 evacuation decisions or the potassium iodide
20 administration level.

21 TERRY KRAUS: One thing that we would really
22 like from the assessment side for those ingestion
23 calculations is more realistic information on, you know,
24 for the input variables.

25 For example, how much milk does a 1-year-old

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1 child really drink? Our basic default is that 30 percent
2 of that child's diet is contaminated milk and, you know,
3 that typically is a very conservative estimate.

4 If we could get better estimates, we could
5 tweak those calculations so that field or that area that
6 John mentioned isn't so extremely large. We would need
7 input from the Japanese diet.

8 (b)(6)

9 (b)(5)

12 TERRY KRAUS: Yes, I think that's a good
13 comment. I know this is not U.S. Food and Drug
14 Administration territory or, you know, they don't have
15 the authority here but our direction, as far as the U.S.,
16 is to evaluate the most sensitive age group and make
17 public protection decisions based on that age group and
18 for the cow-milk pathway that most sensitive age group
19 is the 1-year-old child.

20 (b)(6)

21 (b)(5)

24 (b)(5)

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(b)(5)

MALE PARTICIPANT:

(b)(5)

But perhaps we could have a little discussion
of the release fraction and the time interval involved
to make sure we all understand the same thing then.

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(b)(6)

(b)(5)

GALE: Well, it's the one that we got from the NRC that we've been using in our calculation for the last day and a half at least, so I'm --

TERRY KRAUS: Right. This is just for the MELCOR. This is the supercore.

GALE: That's correct.

TERRY KRAUS: Okay.

GALE: That's what we use.

MALE PARTICIPANT: Is there anyone on from the NRC?

MALE PARTICIPANT: Yes, we're here. That sounded right. You have two separate things. You have the things that you have been doing before, which got nicknamed supercore. It was a reactor and two spent fuel pools.

(b)(5)

GALE: That's correct. We're planning to use the RASCAL supercore source term that you gave us.

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1 MALE PARTICIPANT:

2
3 (b)(5)
4
5

6
7 (b)(5)
8
9

FEMALE PARTICIPANT: Okay.

10 MALE PARTICIPANT: Could someone please just
11 walk through the, you know, what assumptions are built
12 into that, to the supercore? I mean, what are we --
13 just for (indiscernible, possibly pedantic) clarity here
14 because, you know, after the fact we don't want to be
15 in a position of having chosen the wrong parameter
16 someplace. So could someone just walk through what we
17 have in that source term package, please?
18
19
20
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22
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26

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(b)(6): Well, I mean, I'll take a crack at it if you want.

MALE PARTICIPANT: Okay. But, you know, you're not (inaudible).

(b)(6):

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

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1 MALE PARTICIPANT:

2
3 (b)(5)
4
5

6
7 (b)(6) : No, that's right.

8 MALE PARTICIPANT:

9
10 (b)(5)
11
12

13
14 (b)(6) : Okay. And --

15 MALE PARTICIPANT:

16
17 (b)(5)
18
19

20
21 MALE PARTICIPANT:

22
23 (b)(5)
24
25

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(b)(6)

: Yes. If I --

MALE PARTICIPANT: (Indiscernible,
possibly Is that on) a reactor? Over what period of
time are we talking about a release?

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(b)(6) : Under the source term?

MALE PARTICIPANT: Yes.

(b)(6) :

(b)(5)

FEMALE PARTICIPANT: This is the NRC. That is incorrect. The release is a constant rate over a 24-hour period --

(b)(6) : Oh, okay.

FEMALE PARTICIPANT: -- starting at the time the fuel was uncovered.

(b)(6) : I see, okay.

MALE PARTICIPANT: That's the way RASCAL models it.

MALE PARTICIPANT: Is that for the reactor, the core?

MALE PARTICIPANT: Yes.

MALE PARTICIPANT:

(b)(5)

MALE PARTICIPANT: Well, you're dealing with

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1 the amount of time that you had to melt it versus the
2 amount of time which then, if the thing is releasing
3 that the radionuclides actually exit from a no longer
4 operational containment.

5 MALE PARTICIPANT: I see. So it becomes
6 uncovered with water at 0600, starts to melt. At 0700
7 it's recovered with water. In that one-hour time, 33
8 percent of it has melted it. Is that how I should interpret
9 that?

10 MALE PARTICIPANT: Yes, that's how you
11 should interpret that.

12 MALE PARTICIPANT: And just to clarify from
13 the conference call from I think it was yesterday, this
14 25 percent release fraction, is that 25 percent of the
15 total core or 25 percent of the melted core?

16 FEMALE PARTICIPANT: I know we've talked
17 about this several times. It's 25 percent of the total
18 core is released to the containment-type area and then
19 what's released to the outside may be a different amount
20 than that.

21 MALE PARTICIPANT: Do we have an overall
22 release fraction then?

23 FEMALE PARTICIPANT: I have not calculated
24 it myself. You've calculated it to compare it against
25 the spent fuel in the 4A column and showed that it was

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1 a different amount.

2 I mean, that's not the input that we put
3 into RASCAL so it's not something that, I mean, I think
4 that was estimated afterward, that that was the amount
5 that was released. It's not an input to RASCAL.

6 MALE PARTICIPANT: Is there a way that you
7 guys could estimate that, because that's kind of the
8 number I think that people who don't use RASCAL talk
9 about. What percentage of the core actually got into
10 the environment? I don't know. I mean, NARAC, am I right
11 or am I off base or what?

12 GALE:

(b)(5)

13
14
15
16 (b)(5)
17
18
19

20 (b)(6)

21
22 (b)(6)
23
24
25

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1 (b)(5)

2 GALE: Yes, and that is the table that
3 basically we ended up with as well.

4 (b)(6) :

5 (b)(5)
6
7
8

9 MALE PARTICIPANT: Okay.

10 (b)(6)

11 (b)(5)
12

13 MALE PARTICIPANT: Sure, okay.

14 (b)(6) :

15 (b)(5)
16
17
18
19

20 GALE: So we at NARAC have a question. Are
21 you talking now about the trans-Pacific run?

22 (b)(6) :

(b)(5)

23 (b)(5)

24 GALE: Okay.

25 (b)(6) :

So, again, if we had those

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(b)(5)

GALE: So I think we at NARAC can separate out the Unit 2 from the Unit 3 and 4 fire but we only were modeling the iodine and the cesium but possibly the CM Home Team can, you know, take the cesium and use that to basically disaggregate it.

JOHN NASSTROM: Ratio it to get the mix, yes.

GALE: We should get the other mixes.

(b)(6)

(b)(5)

GALE: Yes, that's correct.

(b)(6)

(b)(5)

MALE PARTICIPANT: Terry, you're probably the best one to comment on --

TERRY KRAUS: Yes, it is simply, you know,

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1 ratioing or, you know, I'm not sure what the right word
2 is to say but, yes, that's essentially what we are doing.
3 We're using cesium as a marker or to determine the entire
4 dose.

5 (b)(6) : Okay.

6 TERRY KRAUS: So we from the CM Home Team
7 will work with NARAC scientists and make sure we're all
8 using the same source term and get the results that have
9 been requested.

10 (b)(6) : Okay.

11 MALE PARTICIPANT: Now what kind of ETA do
12 we have for this number-crunching adventure?

13 GALE: Well, we don't know. We're imagining
14 that it will take -- we don't usually do this so it's
15 going to take whatever time it takes us to set up the
16 run and then probably several hours to break out the
17 individual nuclides.

18 MALE PARTICIPANT: (b)(5)

19 (b)(5)

20 (b)(6) : (b)(5)

21 (b)(5)

22 (b)(5)

23 MALE PARTICIPANT: Are you going to use it
24 yet tonight or do we have until tomorrow morning?

25 (b)(6) : (b)(5)

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(b)(5)

TERRY KRAUS: And how should we deliver this,
to whom? Just, you know, is there a specific email or
--

GERRY: Terry, we'll work that here out of
the NIT.

TERRY KRAUS: Okay, we'll work with you,
Gerry, or if you're off shift whoever is there.

GERRY:

(b)(5)

(b)(5)

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(b)(6)

(b)(5)

MALE PARTICIPANT: Yes.

(b)(6)

(b)(5)

MALE PARTICIPANT: Yes, and --

(b)(6)

(b)(5)

MALE PARTICIPANT: I think that's right.

NARAC, step in if you disagree.

MALE PARTICIPANT:

(b)(5)

(inaudible).

(b)(6)

Yes, that's true. Well, I

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1

--

2

DONALD COOL:

3

4

(b)(5)

5

6

7

--

8

MALE PARTICIPANT: With supercore.

9

GALE:

10

11

(b)(5)

12

13

14

15

16

17

(b)(5)

18

19

20

DONALD COOL:

21

(b)(5)

22

23

24

25

GALE: Well, that has not been tasked to us yet and this was going to take priority and, as I understood it, was for the supercore.

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1 MALE PARTICIPANT: I guess that's a good
2 question.

3 GALE: That's for Gerry basically.

4 MALE PARTICIPANT: We were going to
5 prioritize one of those or the other, so the question
6 is is the MELCOR trans-Pacific higher priority or is
7 the Tokyo supercore higher priority?

8 (b)(6): (b)(5) Can I
9 ask a question?

10 MALE PARTICIPANT: Sure.

11 (b)(6):

12 (b)(5)
13
14

15 (b)(5)
16
17

18 (b)(5)
19
20

21 (b)(5)
22
23
24
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(b)(5)

(b)(5)

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MALE PARTICIPANT: Could I make it --

(b)(6)

:

(b)(5)

MALE PARTICIPANT:

(b)(5)

(b)(5)

(b)(5)

(b)(6)

:

(b)(5)

(b)(5)

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

6 MALE PARTICIPANT: [REDACTED]
7 [REDACTED]
8 (b)(5)
9 [REDACTED]

10 MALE PARTICIPANT: [REDACTED]
11 (b)(5) [REDACTED]
12 [REDACTED]

13 MALE PARTICIPANT: [REDACTED]
14 (b)(5) [REDACTED]
15 [REDACTED]

16 MALE PARTICIPANT: [REDACTED]
17 (b)(5) [REDACTED]
18 [REDACTED]

19 (b)(6) : [REDACTED]
20 (b)(5) [REDACTED]
21 [REDACTED]
22 [REDACTED]
23 [REDACTED]
24 (b)(5) [REDACTED]
25 [REDACTED]

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(b)(5)

(b)(5)

(b)(5)

MALE PARTICIPANT: Okay, so --

(b)(6)

(b)(5)

(b)(6)

(b)(5)

(b)(5)

(b)(5)

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(b)(5)

(b)(5)

MALE PARTICIPANT: (Indiscernible,
possibly Basically all,) right, but anyway --

(b)(6): Sorry?

MALE PARTICIPANT: Well, (indiscernible,
possibly the iodine, isn't that all) from the reactor
because --

(b)(6):

(b)(5)

(b)(5)

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(b)(6)

:

(b)(5)

(b)(6)

:

(b)(5)

(b)(5)

STEVE AOKI:

(b)(5)

(b)(5)

(b)(6)

(b)(5)

STEVE AOKI: Yes, but --

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1 MALE PARTICIPANT:

2
3 (b)(5)
4
5

6 STEVE AOKI: You know, where it should be
7 (indiscernible, possibly sailing) to avoid the plume,
8 you know, I don't know that this is enormously helpful
9 because we've kind of chosen where these plumes are going
10 to go. No? Yes?

11 (b)(6)

: Yes, this is (b)(6).

12 I have to go.

13 MALE PARTICIPANT: Okay.

14 (b)(6)

: Bye.

15 MALE PARTICIPANT: Bye.

16 (b)(6)

17 (b)(5)
18
19
20
21
22
23
24
25

(b)(5)

(b)(5)

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(b)(5)

STEVE AOKI: Yes, I think fair enough and I think we should try to schedule that. I don't know when you want to do it.

(b)(6)

(b)(5)

STEVE AOKI: Yes, I think --

(b)(6)

(b)(5)

(b)(5)

STEVE AOKI: I mean, I think tomorrow (inaudible), you know, even for planning purposes, even if we get bad news over the weekend you still have four days before we actually have to (inaudible) this stuff so --

(b)(6)

(b)(5)

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1 STEVE AOKI: Yes, if you could stay away
2 from any time from 11 o'clock, you know, and a half an
3 hour before that, that would be great.

4 (b)(6)

(b)(5)

5 (b)(5)

6 STEVE AOKI: That's fine.

7 (b)(6)

: Okay, I'll make that work.

8 STEVE AOKI: Okay.

9 (b)(6)

: Okay.

10 TERRY KRAUS: This is Terry Kraus. I just
11 want to make sure I understand this. What

12 (b)(5)

13
14
15
16 So I think what I understood --

17 GERRY:

18 (b)(5)

19
20
21
22 (b)(5)

23
24
25
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(b)(5)

TERRY KRAUS: Okay. I can --

(b)(6)

(b)(5)

TERRY KRAUS: Okay. Yes, after this call

(b)(5)

STEVE AOKI: Okay. Gerry, I'd like to write that down. Would you mind saying that again?

GERRY: Pardon me, Steve?

STEVE AOKI: Would you mind just saying again exactly what you just said? I just wanted to write it down and didn't.

GERRY:

(b)(5)

(b)(5)

(b)(5)

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(b)(5)

(b)(5)

STEVE AOKI: (Inaudible) good with some explanation, of course, of how you're going about that.

GERRY: Right.

STEVE AOKI: Okay.

(b)(6)

:

(b)(5)

(b)(5)

STEVE AOKI: Good. Okay, and then just so I understand, the MELCOR, what are the components of that? That's three reactors plus the pool?

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MALE PARTICIPANT: Say that again, sorry.

Steve, are you still on?

STEVE AOKI: Yes, can you hear me?

MALE PARTICIPANT: Yes.

MALE PARTICIPANT: Say again.

GERRY: So I'll repeat the question that Steve asked to NRC. Could you give a brief summary of what MELCOR source term is?

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GERRY: Did we lose NRC?

FEMALE PARTICIPANT: I'm sorry.

(b)(5)

(b)(5)

(b)(5)

MALE PARTICIPANT:

(b)(5)

Is that correct?

FEMALE PARTICIPANT:

(b)(5)

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(b)(5)

MALE PARTICIPANT: Okay. I guess, you know, it's hard to find any more fuel at that place than what you're talking about there so I guess (indiscernible, possibly every lead is a founding) case.

We should understand that's going to give us some fairly substantial numbers so if we're going to (inaudible) that as the basis for HHS KI procurement, we're going to get driven into, you know, into a big buy.

FEMALE PARTICIPANT: Right.

(b)(6)

(b)(5)

FEMALE PARTICIPANT: That's our understanding as well.

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STEVE AOKI: All right and we might, yes, we just need to have that kind of someplace off to the side as a -- we might even call it an experiment of using our new codes with NARAC. I don't know, but not necessarily at this point predictive.

(b)(6):

(b)(5)

STEVE AOKI: No. No, no, I just -- I mean,

(b)(5)

(b)(6):

Fair enough.

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STEVE AOKI: Okay, that's three tasks as laid out by Gerry (phonetic), okay? We're all okay with it?

(b)(6)

(b)(5)

STEVE AOKI: Okay.

(b)(5)

(b)(6)

(b)(5)

STEVE AOKI:

(b)(5)

FEMALE PARTICIPANT: Great. Are you going to be in the office tomorrow, Steve?

STEVE AOKI: No.

(b)(6)

(b)(5)

(b)(5)

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1 STEVE AOKI:

2 (b)(5)

3
4
5 (b)(6): That sounds great. Awesome.

6 STEVE AOKI: Okay.

7 (b)(6)

8 (b)(5)

9
10 MALE PARTICIPANT: Hey, this is the NRC.

11 FEMALE PARTICIPANT: Thank you.

12 MALE PARTICIPANT: I want to be able to
13 summarize what you're doing. Can you do that for me
14 real quick?

15 MALE PARTICIPANT: Sure.

16
17 (b)(5)

18
19
20
21
22 MALE PARTICIPANT: Okay, and the MELCOR run
23 you're going to do when? Is that Monday or --

24 MALE PARTICIPANT:

25 (b)(5)

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(b)(5)

GALE:

(b)(5)

MALE PARTICIPANT:

(b)(5)

GALE: We'll find it.

(b)(5)

MALE PARTICIPANT:

(b)(5)

GALE:

(b)(5)

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(b)(5)

MALE PARTICIPANT: Okay.

MALE PARTICIPANT: Okay.

GALE: Okay?

FEMALE PARTICIPANT: All right.

GALE: All right, we're signing off.

MALE PARTICIPANT: John Nasstrom --

MALE PARTICIPANT: Thanks, everybody.

(b)(6): Thanks.

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