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Title: 10 CFR 2.206 Petition Review Board

**RE Seabrook Station** 

Docket Number: (n/a)

Location: teleconference

Date: Tuesday, February 16, 2016

Work Order No.: NRC-2176 Pages 1-40

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1	UNITED STATES OF AMERICA
2	NUCLEAR REGULATORY COMMISSION
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4	10 CFR 2.206 PETITION REVIEW BOARD (PRB)
5	CONFERENCE CALL
6	RE
7	SEABROOK STATION
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9	TUESDAY
10	FEBRUARY 16, 2016
11	+ + + +
12	The conference call was held, Robert
13	Taylor, Chairperson of the Petition Review Board,
14	presiding.
15	
16	PETITIONERS
17	PAUL BROWN, Union of Concerned Scientists
18	SANDRA GAVUTIS, C-10 Foundation
19	DEBBIE GRINNELL, C-10 Foundation
20	DAVID LOCHBAUM, Union of Concerned Scientists
21	CHRIS NORD, C-10 Foundation
22	PAT SKIBBEE, C-10 Foundation
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1	PETITION REVIEW BOARD MEMBERS
2	MICHAEL KING, Acting PRB Chairman, Acting
3	Deputy Director, Office of Nuclear
4	Reactor Regulation, Division of Safety
5	Systems
6	LORRAINE BAER, Office of the General Counsel
7	JOHN G. LAMB, Petition Manager for 2.206
8	petition, Office of Nuclear Reactor
9	Regulation, Division of Operating
10	Reactor Licensing
11	ROBERT TAYLOR, Deputy Director, Division of
12	Safety Systems, Office of Nuclear
13	Reactor Regulation.
14	
15	NRC HEADQUARTERS STAFF
16	RUSSELL ARRIGHI, Senior Enforcement
17	Specialist, Office of Enforcement
18	DOUG BROADDUS, Office of Nuclear Reactor
19	Regulation, Division of Operating
20	Reactor Licensing
21	DANIEL DOYLE, Acting Chief, Rulemaking Branch,
22	Office of Nuclear Reactor Regulation
23	BRYCE LEHMAN, Technical Reviewer, Office of
24	Nuclear Reactor Regulation, Division of
25	Engineering
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	3
1	TANYA MENSAH, Agency 2.206 Coordinator, Office
2	of Nuclear Reactor Regulation, Division
3	of Policy and Rulemaking
4	
5	NRC REGION I STAFF
6	FRED BOWER, Region I
7	PAUL CATALDO, Region I
8	CHRIS NEWPORT, Region I
9	BILL COOK, Region I
10	
11	ALSO PRESENT
12	STEVE HAMRICK, Counsel, NextEra Energy
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## P-R-O-C-E-E-D-I-N-G-S

2	2:00 p.m.
3	MEMBER LAMB: I'd like to thank everyone
4	for attending this conference. My name is John Lamb.
5	I am the U.S. Nuclear Regulatory Commission, NRC,
6	project manager for Seabrook.
7	We are here today to allow the Petitioner,
8	C-10 Research and Education Foundation, referred to as
9	C-10 from this point forward, to address the Petition
10	Review Board, PRB, regarding the 2.206 Petition dated
11	December 22nd, 2015, Agency-wide Documents Access and
12	Management System, ADAMS, Accession No. ML16006A002,
13	as supplemented by email comments from David Lochbaum
14	of the Union of Concerned Scientists, UCS, dated
15	February 12th, 2016, ADAMS Accession No. ML16043A486,
16	and email comments from Paul Brown dated February
17	14th, 2016, ADAMS Accession No. ML16047A020, and email
18	comments by C-10 dated February 15th, 2016, ADAMS
19	Accession No. ML16047A021.
20	I am also the petition manager for the
21	petition. The PRB Chairman is Robert Taylor.
22	As part of the
23	MS. GAVUTIS: Sandra Gavutis, C-10
24	Foundation.
25	MEMBER LAMB: As part of the PRB's review

of this petition C-10 has requested this opportunity 1 to address the PRB. 2 3 This meeting is scheduled from 2:00 p.m. 4 to 4:00 p.m. Eastern Time. 5 The meeting is being recorded by the NRC Operations Center and will be transcribed by a court 6 7 The transcript will become a supplement to 8 the petition. The transcript will also be made 9 available to the public. 10 I would like to open this meeting with introductions. The PRB Chairman is Robert Taylor, and 11 Mike King will be the acting PRB Chairman who will be 12 developmental capacity under 13 in а 14 instruction of Robert Taylor. I would like to start to have the rest of 15 16 the PRB to introduce themselves as we go around the 17 Please be sure to speak clearly and state your name, your position and the office that you work for 18 19 within the NRC for the record. I will start off. Once again, I am the 20 NRC project manager for Seabrook, John Lamb. 21 22 MEMBER BAER: Lorraine Baer, attorney, Office of General Counsel. 23 24 CHAIRMAN TAYLOR: Rob Taylor, Deputy Division of Safety Systems, Office of 25 Director,

1	Nuclear Reactor Regulation.
2	MEMBER KING: Mike King, Acting Deputy
3	Director, Division of Safety Systems, Office of
4	Nuclear Reactor Regulation.
5	MEMBER LAMB: Are there any NRC
6	participants from headquarters on the phone?
7	MS. MENSAH: Tanya Mensah, Office of
8	Nuclear Reactor Regulation, Division of Policy and
9	Rulemaking.
10	MR. ARRIGHI: Russell Arrighi, Senior
11	Enforcement Specialist, Office of Enforcement.
12	MR. BROADDUS: Doug Broaddus, Office of
13	Nuclear Reactor Regulation, Division of Operating
14	Reactor Licensing.
15	MR. LEHMAN: Bryce Lehman, Technical
16	Reviewer in the Division of Engineering.
17	MEMBER LAMB: Is anyone else from NRC
18	headquarters on the line?
19	MS. GRINNELL: Debbie Grinnell. Sandra
20	Gavutis. Three other people will call in.
21	MS. GAVUTIS: Thanks, Debbie. I'm here.
22	MS. SKIBBEE: Pat Skibbee, C-10
23	Foundation.
24	MS. GAVUTIS: Sandra Gavutis, Executive
25	Director, C-10 Foundation.

1	MR. LOCHBAUM: Dave Lochbaum, Union of
2	Concerned Scientists, Director of Nuclear Safety
3	Project.
4	MEMBER LAMB: Are there any other
5	Petitioners on the line?
6	MR. NORD: Chris Nord, C-10 Foundation.
7	I identified myself before.
8	COURT REPORTER: This is the court
9	reporter. I'm having some difficulty understanding
10	Ms. Grinnell, Mr. Nord and Ms. Skibbee.
11	MEMBER LAMB: Debbie, your phone line is
12	echoing. The court reporter is saying that he can't
13	understand what you guys are saying.
14	MS. GRINNELL: Trying something else.
15	Hello?
16	MEMBER LAMB: We can hear you. Steve, who
17	do you have for the court reporter, where did you
18	leave off that you couldn't hear?
19	COURT REPORTER: The only part that I was
20	having a hard time hearing was the introductions.
21	MEMBER LAMB: You got Debbie Grinnell?
22	COURT REPORTER: Yes. Yes.
23	MEMBER LAMB: Okay. So we've got Chris
24	Nord.
25	COURT REPORTER: Here's the thing, I was

1	able to hear their introductions, but when they give
2	a presentation, if they sound like that, I'll probably
3	miss a good amount of it.
4	MEMBER LAMB: Okay. Chris Nord was
5	another one from C-10. Is there a Pat Skibbee?
6	MS. SKIBBEE: Yes, I'm here.
7	MEMBER LAMB: Okay. And a Sandra Gavutis?
8	MS. GRINNELL: Yes, she is here.
9	MEMBER LAMB: Okay. And we have David
10	Lochbaum from the Union of Concerned Scientists.
11	Is there anyone else from the Petitioners?
12	MS. GRINNELL: We have an expert, Paul
13	Brown, who will be calling in probably very close to
14	2:30.
15	MEMBER LAMB: Okay. Thank you.
16	MR. DOYLE: Hi, this is Dan Doyle. I'm
16 17	MR. DOYLE: Hi, this is Dan Doyle. I'm the Acting Chief of the Rulemaking Branch in the
17	the Acting Chief of the Rulemaking Branch in the
17 18	the Acting Chief of the Rulemaking Branch in the Office of Nuclear Reactor Regulation.
17 18 19	the Acting Chief of the Rulemaking Branch in the Office of Nuclear Reactor Regulation.  MEMBER LAMB: Okay. Are there any NRC
17 18 19 20	the Acting Chief of the Rulemaking Branch in the Office of Nuclear Reactor Regulation.  MEMBER LAMB: Okay. Are there any NRC participants from the regional office on the phone?
17 18 19 20 21	the Acting Chief of the Rulemaking Branch in the Office of Nuclear Reactor Regulation.  MEMBER LAMB: Okay. Are there any NRC participants from the regional office on the phone?  MR. COOK: This is Bill Cook from Region
17 18 19 20 21 22	the Acting Chief of the Rulemaking Branch in the Office of Nuclear Reactor Regulation.  MEMBER LAMB: Okay. Are there any NRC participants from the regional office on the phone?  MR. COOK: This is Bill Cook from Region  I.
17 18 19 20 21 22 23	the Acting Chief of the Rulemaking Branch in the Office of Nuclear Reactor Regulation.  MEMBER LAMB: Okay. Are there any NRC participants from the regional office on the phone?  MR. COOK: This is Bill Cook from Region  I.  MR. BOWER: And Fred Bower from Region I.

1	MR. CATALDO: Paul Cataldo, Region I.
2	MR. NEWPORT: Chris Newport from Region I
3	as well.
4	MEMBER LAMB: Okay. Thank you. Are there
5	any representatives for the Licensee on the phone?
6	MR. HAMRICK: Yes, this is Steve Hamrick,
7	counsel for NextEra Energy Seabrook.
8	MEMBER LAMB: Okay. Thank you. I would
9	like to emphasize that we each need to speak clearly
10	and loudly to make sure that the court reporter can
11	accurately transcribe this meeting. If you do have
12	something that you would like to say, please first
13	state your name for the record.
14	For those dialing into the meeting, please
15	remember to mute your phones to minimize any
16	background noise or distractions. If you do not have
17	a mute button, this can be done by pressing the keys
18	star, six. To un-mute, press the star key again.
19	Thank you.
20	At this time I will turn it over to the
21	Acting PRB Chairman, Mike King, under the instruction
22	of the PRB Chairman, Robert Taylor.
23	MEMBER KING: Excuse me. To un-mute, you
24	have to press star, six again.
25	MEMBER LAMB: Yes.

1 MEMBER KING: I just want to make sure 2 people know that. 3 MEMBER LAMB: Yes. So mute, star, six. 4 To un-mute, press star, six again. 5 MEMBER KING: Okay. Welcome everybody to this meeting regarding the 2.206 Petition submitted by 6 7 C-10. I'd like to first share some background on our 8 process. Section 2.206 of Title 10 of the Code of 9 Federal Regulations, 10 CFR, describes the petition 10 process, the primary mechanism for public to request 11 enforcement action by NRC in a public process. 12 process permits anyone to petition the NRC to take 13 14 enforcement-type action related to NRC licensees or 15 license activities. Depending on the results of its evaluation, NRC could modify, suspend or revoke an 16 17 NRC-issued license, or take any other appropriate enforcement action to resolve a problem. 18 19 The NRC Staff Guidance for the disposition of 2.206 petition requests is contained with the 20 Management Directive 8.11, which is available to the 21 public via ADAMS Accession No. ML041770328. 22 The purpose of today's meeting is to give 23 24 the Petitioner, C-10, an opportunity to provide any

additional explanation or support for the petition

before the Petition Review Board's initial consideration and recommendation.

This meeting is not a hearing, nor it is an opportunity for the Petitioner to question or examine the Petition Review Board on the merits or the issues presented in the petition request. No decisions regarding the merits of this petition will be made at this meeting.

Following this meeting the Petition Review Board will conduct its internal deliberations. The outcome of this internal meeting will be discussed with the Petitioner.

Petition The Review Board typically consists of a chairman, usually a manager at the senior executive service level at the NRC. It has a petition manager and а Petition Review coordinator. Other members of the Board determined by the NRC staff based on the content of the information in the petition request. The members have already introduced themselves.

As described in our process the NRC staff may ask clarifying questions in order to better understand the Petitioner's presentation and to reach a reasoned decision whether to accept or reject the Petitioner's requests for review under the 2.206

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Now I'd like to summarize the scope of the petition under consideration and the NRC activities to date.

On December 22nd, 2015, as supplemented by emails dated February 12th, 14th and 15th, 2016, you submitted to the NRC a petition under 2.206 regarding Seabrook in which you requested enforcement action. C-10 requests the NRC issue an order to NextEra requiring immediate implementation and enforcement of American Concrete Institute, ACI, 349.3R evaluation of existing nuclear safety-related concrete structures, and American Society for Testing and Materials, ASTM, C856-11, standard practice for petrographic examination of hardened concrete code standards requiring core sampling and petrographic testing for the mechanical properties of tensile strength, Poisson's ratio, modulus of elasticity and compressive strength, specifically for walls of the containment building and spent fuel pool at Seabrook.

As a basis for your request you state that C-10 has studied the alkali-silica reaction, ASR, and C-10 concludes that its presence at Seabrook is inimical to public health and safety.

Allow me to discuss the NRC activities to

1 date. On January 8th the petition manager contacted you to discuss the 10 CFR 2.206 process and to offer 2 3 you the opportunity to address the Petition Review 4 Board. 5 On January 14th of 2016, you requested to address the Petition Review Board by phone prior to an 6 7 internal meeting to make initial recommendations to accept or reject the petition for review. 8 9 On February 12th, 2016, David Lochbaum of 10 Union of Concerned Scientists supplied written comments by email that will be treated as a supplement 11 to the petition. 12 On February 14th, 2016, Paul Brown, also 13 14 of Union of Concerned Scientists, supplied written 15 comments by email that will be treated as a supplement 16 to the petition. On February 15th, 2016, C-10 supplied 17 written comments by email that will be treated as a 18 19 supplement to the petition. As a reminder for the phone participants, 20 please identify yourself if you make any remarks as 21 this will help us in preparation of the meeting 22 transcript that will be made available to the public. 23 24 Thank you. I'll turn it over now Debbie Grinnell of 25

C-10 to allow you the opportunity to provide any information you believe the Petition Review Board should consider as part of this petition. You have about 90 minutes for your presentation.

Debbie?

MS. GRINNELL: Thank you. We appreciate this opportunity to speak to the Board and we would like to begin with two experts that have created a comment for you today, and we'd like to begin with David Lochbaum.

MR. LOCHBAUM: This is David Lochbaum with the Union of Concerned Scientists. Thank you, Debbie, and thank you the NRC staff for this opportunity.

I didn't want to read the comments I submitted earlier. As it was stated, it's being added as a supplement to the petition. I just wanted to go over those and answer any clarifying questions the NRC staff may have about those comments.

In looking at whether the actions requested by C-10 were reasonable or not, I looked at what the NRC is applying to plants or applicants seeking license renewal of their plant. NUREG-1801, Revision 2, which is the GALL report issued in December of 2010, mentions ACI 349.3R in a number of places. I didn't list every time that document

referred to this ACI standard, but I listed several of them on pages 1 and 2 of my comments.

I also understand that the NRC staff is currently reviewing its license renewal criterion standards. And to see whether those proposed changes might go away from ACI 349.3R, I looked at the draft NUREG-2191, Volume 2, which is currently the work in progress of any proposed changes to the GALL report. And as the information on pages 2 indicates, the NRC staff continues to rely on ACI 349.3R as a way to properly aging management risk or manage the risk of aging of concrete such as that at Seabrook. So basically by looking at this, it looked pretty clear to us that the NRC staff accepts and endorses ACI monitoring for concrete 349.3R as the means of degradation.

Also went international to see how the international community is handling the similar issue of concrete degradation and found an IAEA report that's cited on page 3 of my comments where they looked at aging management of concrete structures in nuclear power plants. It came out just last month, January of 2016. Several places in that document the IAEA basically indicates that ACI 349.3R is being used in the United States to quard against undue

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degradation of concrete at U.S. nuclear power reactors, though it appears the international community thinks we're already at a point that C-10 is seeking, namely to have ACI 349.3R be a requirement, not just a standard on a shelf.

I then turned to looking at answering the question of, well, if that's what the NRC endorses, if that's the law of the land, if that's the proper standard to control concrete degradation, why isn't it already applied? And the best answer, or the only answer I found was in NUREG/CR 7153, Volume 4, issued by the NRC in October of 2014, as cited on page 3 of my comments.

I extracted a large paragraph from that document, the last sentence of which seems to be most important. It was underlined for emphasis by us. Basically it says that because all the construction permits have been issued except for one, by the time this standard came out it was too late in the game to be applied during the initial licensing phase. So therefore, it was a matter of time and not because it's an inappropriate standard or an unreasonable standard, that it's not already applicable at Seabrook and elsewhere.

So therefore, based on that it looked

like, well, should the NRC grant the petition submitted by C-10 and require ACI 349.3R and the ASTM standard to Seabrook? And for that my answer to me is in 10 CFR, Section 50.100, Revocation, Suspension, Modification of Licenses, Permits and Approvals for Cause. And it's a lengthy text, but the portions that seemed most relevant to this decision was basically any condition that's revealed after an original license is issued that would, had it been known at the time, warrant the Commission to refuse to grant a license, permit or approval is fair game for incorporating into the license or making a regulatory requirement.

In this case it's pretty clear that had ACI 349.3R been available before Seabrook was licensed, then it's almost certain that the NRC would have required this applicant or licensee to meet that standard. It doesn't. And therefore the action being sought by C-10 rectifies that defect and imposed an endorsed NRC standard to a standard condition that exists at Seabrook. Based on that it seems like the proper thing for the NRC to do would be to grant C-10's petition and require these two standards, industry-accepted, NRC-endorsed standards to apply to the concrete at Seabrook.

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1	I think the other things that's I don't
2	it's not in my comments, but it's NRC staff is
3	already aware of is that imposing those standards on
4	NextEra at Seabrook would not mean that they'd have to
5	follow every verse and chapter of those two standards.
6	The applicants, the licensees always have the option
7	of informing the NRC staff of deviations or different
8	ways of achieving the same outcome, and they would
9	have that option. Should the NRC grant the petition
10	and issue the order, the licensee would have the
11	chance of saying we'll do that same thing by a
12	different way. But we think it's proper for the NRC
13	staff to issue an order require that requirement and
14	provide NextEra the option of applying it as is or
15	justifying a suitable alternative.
16	With that I have no other comments or
17	observations. I'd be glad to answer any clarifying
18	questions that the NRC staff may have.
19	MEMBER KING: No questions on this end.
20	Anybody on the phone?
21	MS. GRINNELL: Yes, we're waiting for Paul
22	Brown to enter to make his comments, but I do want to
23	say on behalf of C-10 that our request has largely
24	been the understanding that we have that both the

industry and the NRC have had to find a way to find

the technical and regulatory basis to deal with the discovery. And ASR is a discovery. And we've spent the last seven years looking very closely at NRC documentation and we found from your department, especially in research, that -- we found that there were many things that we have requested that a lot of NRC staff in different directions have recommended at these be done.

Our concern has been that there's been an enormous amount of energy and time and expertise that the NRC has spent in the extension of NRC's license, but our concern, as we live here, concerns their current license. And they've been in violation of their license for seven years.

So we have used the information that we were able to find from experts, from the Union of Concerned Scientists, from experts and many of the NRC staff, and we think that -- we believe that since containment has not been properly studied that this needs to be done and as soon as possible.

I am hoping that Paul will be on in a moment, but if he's not, I would like to allow NRC staff to add our comments to this discussion. I think we could start with Pat.

MS. SKIBBEE: This is Pat Skibbee, C-10

Board. I think one important consideration here is according to our research there are many, many times that NRC information has been cited and confirmed saying that the only way to really ascertain the degree and existence of ASR at the Seabrook Nuclear Power Plant is through core sampling and using the ASTM and ACR standards. So I think we feel that that's a really important thing to do and it's the only way to really ascertain what is going on at the plant.

I want to add here that the current situation where NextEra is using not samples from the plant, but using pieces of concrete at their Ferguson, Texas study facility, we do feel is at all appropriate, because I think the only way that you can actually ascertain what's going on at the Seabrook plant is to test core samples that actually come from the Seabrook plant.

And last, these standards are incorporated and made compulsory in NRC regulation. It would seem to me that this can't happen, that the licensees will always have -- not only NextEra, but others; and of course our concern is Seabrook, will always have this option of using what we would consider completely inappropriate testing. It does not really confirm

1 what's actually going on at the specific plants. This information comes from NRC staff, 2 3 also from Union of Concerned Scientists, from our own 4 research that without actual petrographic testing of 5 the actual cores from the containment and other vessels at the Seabrook plants, we cannot know what is 6 really going on there. And apparently the only what 7 8 that can be enforced is for NRC to grant C-10's 9 petition and make these standards compulsory. 10 that concludes my comments at this time. MS. GRINNELL: Well, if we haven't heard 11 from Paul at this moment, I would like to ask Chris if 12 he would like to offer comments for C-10. 13 14 (Telephonic interference.) 15 I'm sorry. This is the COURT REPORTER: 16 court reporter. Is Chris speaking? I can't hear him. 17 MS. GRINNELL: Yes. Yes, hold a second. He's just changing his location a little. He'll be 18 19 back when -- I mean, he's right here. On the line in 20 a sec. MR. NORD: This is Chris Nord, board 21 member for C-10. I just wanted to draw the attention 22 of NRC to --23 24 COURT REPORTER: Can you get closer to the 25 phone?

1 MS. GRINNELL: Chris, it's not working.

MR. NORD: Can you hear me now? Can anyone hear me now?

COURT REPORTER: Yes, now I can hear you.

MR. NORD: Okay. All right. This is Chris Nord, board member of C-10, and I would like to draw the NRC's attention right now to the notion that NextEra, their off-site research test program must represent -- I'm quoting -- the actual in situ conditions of Seabrook's primary containment. And to all of us at C-10 that have looked at this, this seems for all the world like a quick break (phonetic) because it isn't possible to represent the in situ conditions at Seabrook through the use of data gathered from some very remote site. The conditions are much too particular and the ASR has grown over a period of many years where they're propagating ASR over very short periods of time at this remote site in Texas, and we believe that this really is unrealistic.

And from a scientific point of view that seems to be the case. In other words, I think that we will discover that experts like Dr. Brown basically agree with this point of view that it's fine to go ahead and do that kind of testing, but to say that that kind of testing may stand in the place of

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petrographic analysis in situ at the Seabrook plant is unworkable. We must have in situ testing. So that's one comment.

The other comment I want to make is that citizens within а 10-mile radius of Seabrook particularly call upon the Nuclear Regulatory Commission to actually regulate in this matter this issue of alkaline-silica reaction that has come up at Seabrook. It is unprecedented, as we all know, in the nuclear suite in the United States. And many citizens that for the Nuclear who C-10 represents see Regulatory Commission to passively wait for NextEra to simply the way they want without conduct tests imposing some kind of guidance according to some kind of code standards is impractical in many ways and may in fact be unethical when you take into account the NRC's mandate to protect public health and safety.

If what you really want to do is protect the general public from the potentials for severe accidents from a nuclear plant such as Seabrook; and in fact parenthetically I will say this could be happening at other plants around the country, and I believe we don't know whether that's true or not, then you must -- NRC must take a more active position in requiring the use of certain regulatory standards.

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1	And because this is a new issue for NRC, the
2	regulatory standards that we are falling into, as Dave
3	Lochbaum just pointed out, you're using already.
4	So it's a simple step. But involving that
5	step then as the requirement that petrographic testing
6	be done in in situ at the reactor at Seabrook. And
7	for us those must include the petrographic testing and
8	core sampling specifically for the containment
9	structure and for the spent fuel pool. And I think
LO	the reasons why those are important must be obvious to
L1	everyone on this call. Those are my comments for the
L2	moment. Thank you.
L3	MS. GRINNELL: Thank you, Chris.
L4	I don't know if we've had Dave, if
L5	we've had Paul Brown enter our group. Do you know if
L6	he's entered?
L7	MEMBER KING: Paul Brown, are you on the
L8	line?
L9	DR. BROWN: Yes, I am.
20	MS. GRINNELL: Terrific. Paul, we would
21	like you to add your comments to the NRC.
22	DR. BROWN: Beyond what I've written?
23	MS. GRINNELL: Yes.
24	DR. BROWN: Oh, okay. Well, primarily my
25	comments relate to the fact that the utility seems to
J	I and the second

1 be reluctant to extract and examine cores in compression and tension. While it would have been 2 really beneficial had they done that when the ASR was 3 4 first discovered, it's still not too late. It would 5 have provided a data point in time. And if they link that campaign with the testing of cores from areas 6 7 where ASR has not been observed, then it provides a 8 basis for understanding the extent to which the 9 the concrete shell have presently properties of 10 degraded. And that's really the substance of my 11 12 And I'm happy to answer any questions comments. related to that. 13 14 MEMBER KING: Debbie, are there any more 15 presentations? MS. GRINNELL: I think we have covered our 16 17 comments. We have the benefit of having Dave Lochbaum and Paul Brown here. If there are any technical or 18 19 specific questions that you might have on petition, we would be so pleased to have you direct a 20 question directly to our experts. 21 22 MEMBER KING: Great. Thank you. So at this time does the NRC staff here at headquarters have 23 24 any questions for C-10, or any headquarters staff on

the phone?

1	(No response.)
2	MEMBER KING: Hearing none, what about the
3	region? Any staff in the region have any questions?
4	MR. COOK: No questions from Bill Cook.
5	Thank you.
6	MEMBER KING: Okay. Hearing none, does
7	the Licensee have any questions?
8	MR. HAMRICK: This is Steve Hamrick for
9	NextEra. No, we don't have any questions right now.
10	Thank you.
11	MEMBER KING: Okay. Well, Deborah
12	Grinnell, thank you for taking the time to provide the
13	NRC staff with clarifying information on the petition
14	you submitted.
15	Before we close does the court reporter
16	need any additional information for the teleconference
17	transcript?
18	COURT REPORTER: Just questions I'll ask
19	after we're off the record.
20	MEMBER KING: Okay. Great. With that,
21	this meeting is concluded
22	MR. GUNTER: Excuse me. This is Paul
23	Gunter, Beyond Nuclear.
24	MEMBER KING: Okay.
25	MR. GUNTER: It's my understanding that

1 you do open an opportunity up for the public to ask 2 questions about the process. MEMBER KING: 3 Yes, this is not a public 4 meeting. They asked for a teleconference, but we are 5 open to answering questions about the process. requested not a public meeting. 6 They requested a 7 teleconference, which is --8 MR. GUNTER: Okay. Well, that answers my 9 question, because I was looking to see if you were --10 you know, the meeting was not publicly posted to the --11 Yes, because typically in 12 MEMBER KING: Management Directive 8.11 the Petitioner 13 14 offered a teleconference or a meeting here. And as 15 you know, Paul, typically you're nearby, so you come and you have a public meeting. 16 I quess because the distance and travel-wise they elected to have 17 teleconference --18 19 MR. GUNTER: Yes. 20 MEMBER KING: -- which is non-public. MR. GUNTER: So this is their first --21 MEMBER KING: 22 Yes. This is a Petition Review MR. GUNTER: 23 24 Board meeting, their first Petition Review Board 25 meeting?

1 MEMBER KING: This is the request supply supplemental information prior to the 2 3 meeting. 4 MR. GUNTER: And then they will get an 5 additional opportunity to address --MEMBER KING: Yes. 6 7 MR. GUNTER: -- the Petition Review 8 Board --9 MEMBER KING: That's correct. 10 MR. GUNTER: -- after you -- yes. fact they'll get two opportunities to address the 11 Petition Review Board? 12 MEMBER KING: Well, this is the first. 13 14 think there's a second one after, but --15 MR. GUNTER: Okay. 16 MEMBER KING: That's my understanding at this time. 17 MR. GUNTER: Yes, I'm sorry. I quess the 18 19 concern here is that this is very likely -- it should be reviewed as a generic issue and an opportunity for 20 public to be informed, just have some transparency as 21 might 22 how this impact other sites or open opportunities for other public interest experts to 23 24 listen in. That's our concern. I apologize for being 25 thick, but this does not represent their first

1 Petition Review Board meeting open to public scrutiny and transparency. 2 3 MEMBER KING: Tanya, are you on the line? 4 MS. MENSAH: I am. This is Tanya Mensah. 5 I'm the senior project manager, 2.206 coordinator. they're following 6 process is outlined 7 described in the Management Directive 811. 8 look in there, if the Petitioner requests a meeting 9 with the public -- with the NRC, that is noticed as a 10 public meeting, and that is typically held at NRC Headquarters where any stakeholders are invited to 11 comment at the end of the meeting. 12 Now, the Petitioner --13 14 MR. GUNTER: But let me just stop you 15 Those meetings that I participate in right there. open a bridge line for broader public interest --16 So if the Petitioner --17 MS. MENSAH: (Simultaneous speaking) 18 19 MR. GUNTER: -- the Petitioners. If you're interested 20 MS. MENSAH: joining as a co-petitioner, you would coordinate that 21 through the Petitioner. I don't know if that's been 22 done, if you've expressed that before this call. 23 24 Because they could have included you on the discussion so that you could also have submitted comments. 25

1	transcript the way that this is made transparent is
2	that following the meeting the transcript will be made
3	public in ADAMS and then the Petitioner will be
4	informed of the initial recommendation, they'll have
5	a second opportunity, as you commented, in accordance
6	with the management directive to make a second
7	presentation if they want to add additional facts.
8	MR. GUNTER: Have they been provided
9	that
10	MS. MENSAH: Is that clear or do I need to
11	go back through the process?
12	MR. GUNTER: Well, first of all, if you
13	would, could you make it clear that you are offering
14	them a second opportunity?
15	MS. MENSAH: That's in accordance with the
16	management directive and it's offered for every
17	petitioner. It's not just for this petition. It's
18	spelled out that a second opportunity is in the
19	management directive. Every petitioner receives two
20	opportunities. The first is before the Board meets to
21	make their initial recommendation. And then once
22	they're informed, they receive a second opportunity.
23	And that's the system for all petitions.
24	MR. GUNTER: Okay. Thank you. I
25	apologize for missing the opening here. Did you offer

1 the Petitioner an opportunity for a second -- to make them aware that they have an opportunity for a second 2 3 meeting? 4 MS. MENSAH: I believe that the PRB Chair 5 expressed in his opening remarks that following today's discussion that the PRB will be deliberating 6 7 internally and that following that they will informed of the initial recommendation and have 8 9 another opportunity. And I believe also that in 10 accordance with the process that John Lamb would have provided the Petitioners with a copy of the management 11 directive so that they have the process and they know 12 what we're following. 13 14 MR. **GUNTER:** So this phone call 15 satisfying that initial meeting with the PRB that we're familiar with. 16 17 MS. MENSAH: That's correct. And that is their choice. They were offered either a meeting 18 19 where they could have requested to meet face to face, and that would have been a public meeting, or they are 20 offered a teleconference, which at that point they can 21 also, as they've done, invite other experts out to 22 speak on their behalf for their petition. And that's 23 24 what has occurred today. MR. GUNTER: Can I indulge you just one --25

1	just for clarification? You do not publicize PRB
2	meetings with petitioners on your web-based schedule,
3	calendar
4	MS. MENSAH: Only public meetings.
5	MR. GUNTER: With petitioners for the PRB
6	do you have have you published meeting dates on
7	these PRB meetings on your regular calendar? I mean
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9	MS. MENSAH: Are you referring to on the
10	public web site where they have the list of public
11	meetings?
12	MR. GUNTER: Yes, ma'am.
13	MS. MENSAH: So that would be for if there
14	were a public 2.206 meeting. There would be a meeting
15	notice, and those are on there.
16	MR. GUNTER: Right.
17	MS. MENSAH: This is a teleconference, so
18	they're not public meetings.
19	MR. GUNTER: I see.
20	MS. MENSAH: They are calls between the
21	petitioner
22	MR. GUNTER: I see.
23	MS. MENSAH: so that the petitioner can
24	provide additional information on behalf of their
25	2.206
	I .

1	MR. GUNTER: I see.
2	MS. MENSAH: to the Board. So those
3	are not on the public web site.
4	MR. GUNTER: Thank you. So if they
5	request this second meeting as a public meeting at
6	which they attend in the Commission hearing room, that
7	meeting will be timely posted in advance of the
8	meeting to the public?
9	MS. MENSAH: That's correct.
10	MR. GUNTER: If they receive a bridge line
11	from the NRC, those are typically not posted for
12	public to listen in on?
13	MS. MENSAH: Unless the petitioner invites
14	other stakeholders that are familiar with the topic on
15	their behalf to say we want to have other experts or
16	other members of the public speak during our
17	teleconference. And they provide the number to
18	whoever they want.
19	MR. GUNTER: Okay. Well, thank you for
20	that clarification, because
21	MS. MENSAH: Okay.
22	MR. GUNTER: it's one of these fine
23	lines where again we view this as potentially generic
24	issue that has much broader interest than the Seabrook
25	Petitioners and their experts, and we would like to

1	recommend that these kinds of meetings you know,
2	it's not that difficult to post a telephone conference
3	line. I mean, I don't think that it was C-10's
4	intention to request that this meeting be exclusive or
5	private, but again, we feel that there's a broader
6	concern here. And just for a matter for the record,
7	the process should be inclusive in terms of
8	transparency that these meetings are happening and
9	that the NRC timely posts them as opportunities for
10	broader public interest and in the sake of
11	transparency. That concludes my comment.
12	MS. MENSAH: Okay. Thank you. And this
13	is Tanya Mensah again. So do you have a comment that
14	you need to coordinate through the Petitioner, or have
15	you already informed them that you have comments?
16	MR. GUNTER: My comment is again on the
17	2.206 process with regard
18	MS. MENSAH: Okay.
19	MR. GUNTER: to providing public
20	transparency to potentially generic issues of public
21	health and safety, and that I think it's something of
22	a shortcoming to bias the public notification process
23	to those of us who can by convenience attend these
24	meetings in person and get that public notification

and transparency out there. But in the same sense to

not -- just because you can't participate in person doesn't mean that you exclude broader public interest by participation in these telephone conference calls on a public Petition Review Board meeting. That's my point. So my comment again is process, and it's directed to the U.S. Nuclear Regulatory Commission.

MS. MENSAH: Thank you.

This is Chris Nord. MR. NORD: I'd like to just follow up very quickly on something Paul just said, and that is to point out that a way that we at C-10 believe that this does touch on a generic issue is that as long as the heretofore relied on method of visual inspection is continued and used by U.S. NRC as an initial look at the possibility of ASR, whether ASR exists or doesn't exist at other nuclear plants, you will not know whether in fact there is ASR at other plants. So we need to move to petrographic analysis in order to know for sure whether you have ASR at other plants. That's my comment. Thank you.

MR. GUNTER: Let me just -- this is Paul Gunter again. One point again on the transparency for this particular meeting. I was trying to find out the exact time of the call. And since this meeting was not posted on the NRC schedule as a calendar event, I called the switchboard. And when I spoke with your

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1	switchboard operator and requested the time for this
2	particular meeting, the and I at that point
3	provided the operator with the petition manager's
4	name, and the switchboard operator informed me that
5	the PRB meeting with John Lamb is tomorrow at 2:00
6	p.m.
7	So that again, I'm just telling you
8	this is feedback on where public interest is could
9	use a little work in terms of providing the Agency
10	providing transparency to its processes, particularly
11	these emergency enforcement petitions. And apparently
12	the switchboard has got the wrong date.
13	MEMBER KING: Okay. Any other questions
14	from any phone participants.
15	MS. GRINNELL: Yes, I would like to make
16	a contribution to this meeting today. We wrote a
17	petition for rulemaking
18	COURT REPORTER: Excuse me. Can you
19	identify yourself?
20	(Simultaneous speaking)
21	MS. GRINNELL: 2.206. Can you hear me?
22	COURT REPORTER: I'm asking if you can
23	identify yourself.
24	MS. GRINNELL: Yes, it's Debbie Grinnell,
25	C-10 Foundation. We sent the petition because we know
l	I and the second

that the NRC is sending in their final Safety Evaluation Report before the NRC and this study will be done. And we were very encouraged by the fact that the NRC had invested into a very important study.

In the meantime, NextEra has invested into a study, and certainly the results of those studies in terms of what can be learned, because all of us have needed to learn this as a new form of degradation. So this is all valuable.

But what's concerning to us is that the very basic interests of what is happening at Seabrook at the site is a deep concern to the public here because we do not know the extent or the rate of the containment building or the spent fuel pool. And this is seven years after this was discovered at Seabrook, and they are in violation of their license.

We cannot be making decisions on safety when we have no idea what the extent, rate or even if we've confirmed that ASR is occurring at containment or at the -- it's been too many years with no action from the NRC. And these are standard code testing that we've required that -- as Dave has spoken and also as Paul Brown has told us, that these are standards and the very best that we have. And I think given the fact that the studies have been done, you

have an obligation to utilize the most important and existing certified testing that's possible and use that to know at least the degree of ASR and the most important and most critical structures at Seabrook.

There has been growing Seabrook concern because they are very aware, we are all very aware that NextEra continues to operate in something that is active and progressive and there is no way to repair these structures and we can't predict on how they are going to respond. And there's a great deal of anxiety. And I think that the NRC is obligated as they are on their current license to at least test with the most sophisticated ability that you have and wait for the studies. And I would think that the NIST and NRC study will give you the guidance that you need. But in the meantime, we have a plant and we have no idea the condition of the plant.

I appreciate the time you have given me.

I don't know if anyone else would like to speak, but

I'd like to open this up to C-10.

MS. SKIBBEE: I'd like to follow up Debbie's extremely cogent comments with a comment also. This is Pat Skibbee, C-10 Board. And I'm thinking that if the petrographic analyses from ACI and ASTM standards had been adopted by the NRC years

ago, we would not be in this quandary because the core sampling would have been done, the testing would have would been done. Ιt be possible therefore comparing testing from some years ago and currently to see what the progress, if any, of the ASR is, what the extent is, but because it wasn't done we are, Debbie Grinnell said, in the situation of ignorance on this.

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Also, point I'm going to out that according to our materials that we submitted to you yesterday, in 2010 comments by the NRC staff said NextEra said that they would be conducting examinations petrographic and that, structure will be precluded from continued monitoring for the effects of ASR concrete degradation until: (1) core bore petrographic examination has been completed on the Seabrook structure to confirm the absence of ASR; and (2) that ASR is no longer active. These things have not been done. And we're talking about something that happened three-and-a-half years ago, statements that were made three-and-a-half years ago.

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Then apparently later in the same year, 2012, NextEra's position changed and instead of doing core sampling according to ACI and ASTM accepted standards, they switched their strategy to again,

1	supposedly similar, but of course not really similar,
2	cores, pull cores at the Ferguson, Texas site. And
3	clearly this is not adequate. I mean, one might
4	wonder why NextEra's position changed. If these
5	standards were mandatory, as C-10's petition is
6	asking, they couldn't have done that. The licensee
7	would have had to take the responsible route by using
8	actual core samples from the actual nuclear power
9	plant, which is what should be happening and which I
10	hope and trust that the NRC will understand and
11	therefore approve our petition. Thank you.
12	MEMBER KING: Okay. NRC has no further
13	questions. So with that, this meeting is concluded
14	and we'll be terminating the phone connection.
15	MS. SKIBBEE: All right. Thank you for
16	listening.
17	(Whereupon, the above-entitled matter went
18	off the record at 2:54 p.m.)
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