



*Via electronic submission*

**UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION  
BEFORE THE COMMISSION**

In the Matter of:  
NEXTERA ENERGY SEABROOK, LLC  
(Seabrook Station Unit 1)

Docket No. 50-443-LA-2  
January 3, 2018

**C-10 Research and Education Foundation, Inc. Summary of Discovery Items and List of Experts**

Pursuant to 10 C.F.R. § 2.336 and 10 C.F.R. § 2.1203, the C-10 Research and Education Foundation, Inc. ("C-10") hereby files its initial disclosures in support of its contentions in NRC Docket No. 50-443-LA-2, regarding the license amendment request ("LAR") 16-03 from NextEra Energy Seabrook, LLC ("NextEra")<sup>1</sup> to adopt a methodology to monitor the impacts of alkali-silica reaction ("ASR") on concrete structures at Seabrook Station, Unit No. 1 ("Seabrook"). C-10 reserves the right to supplement these disclosures as this matter progresses in accordance with the Atomic Safety and Licensing Board's orders.

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<sup>1</sup> License Amendment Request 16-03, Revise Current Licensing Basis to Adopt a Methodology for the Analysis of Seismic Category I Structures with Concrete Affected by Alkali-Silica Reaction, (Aug. 1, 2016) (ADAMS Accession No. ML16216A240)

**List of Experts Supporting C-10's contentions in NRC Docket No. 50-443-LA-2:**

**Dr. Paul W. Brown**

Principal  
Chemhydration, LLC  
352 E. Irvin Ave  
State College, PA 16801  
T: 959-769-1102

**Dave Lochbaum**

Director, Nuclear Safety Program  
Union of Concerned Scientists  
P.O. Box 15316  
Chattanooga, TN 37415  
T: 413- 468-9272

**Dr. Gordon Thompson**

Executive Director  
Institute for Resource & Security Studies  
27 Ellsworth Ave  
Cambridge, MA 02139  
T: 617-491-5177

**Note:** These experts will be preparing reports and analysis as this case progresses, including after reviewing the discovery produced by NextEra and the NRC, and C-10 anticipates providing such reports and analysis as part of its supplemental disclosures in this matter.

**Following is a Summary of Selected Relevant Commentary by Dr. Brown:**

<b>Date</b>	<b>Commentary</b>	<b>Select Items Reviewed</b>
Sept. 30, 2016	Commentary on:	"Seabrook Station License Amendment Request 16-03" and "Revise Current Licensing Basis to Adopt a Methodology for the Analysis of Seismic Category I Structures with Concrete Affected by Alkali-Silica Reaction" (Aug. 1, 2016) and enclosures 2,3,4,7 and 8 of that document,
Sept. 29, 2013	Commentary on:	Seabrook Station, Unit No. 1; Confirmatory Action Letter Follow-Up Inspection; NRC Inspection Report 05000443/2012010 (ML13321A172)
March 14, 2012	Commentary on the Alkali-Silica Reaction in Concrete Structures at the Seabrook Nuclear Plant	ML103420273 - Dec. 14, 2010 SBK-L-10204 - Dec. 7, 2010 ML111330689 - May 12, 2011 ML111360432- May 23, 2011 ML11178A338 - June 29, 2011 ML112241543 - Aug. 12, 2011
Dec. 2, 2012	Commentary on:	Enclosure 2 to SBK-L-12106 The Evaluation, "Impact of ASR on Concrete Structures and Attachments"
July 10, 2012	Testimony on Concrete Durability, Repair Strategies and Limitations, Dr. Brown's testimony listed on pages 142-179) of 600 page document entitled:	Official Transcript of Proceedings Nuclear Regulatory Commission Advisory Committee on Reactor Safeguards Structural Analysis/Plant License Renewal Subcommittee (July 10, 2012)

**Summary of Discovery Items**

The attached spreadsheet includes:

- 1) A list of relevant documents available on the NRC's ADAMS database or as noted, if elsewhere.
- 2) Relevant emails available on the C-10 mail server.

**Documents, Data Compilations, and Tangible Things**

Please see the attached spreadsheet for a list of all documents, data compilations, or tangible things relevant to C-10's contentions which have been identified in C-10's possession, custody, or control following a reasonable search.

Respectfully Submitted on behalf of C-10,

Signed (electronically) by Natalie Hildt Treat



Natalie Hildt Treat  
Executive Director  
C-10 Research & Education Foundation  
44 Merrimac Street, Newburyport, MA 01950  
Ph: (978) 465-6646 Email: [natalie@c-10.org](mailto:natalie@c-10.org)

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CERTIFICATE OF SERVICE

Pursuant to 10 C.F.R. § 2.305, I certify that on this date, the foregoing C-10 Research and Education Foundation, Inc. ("C-10") Discovery was served upon the Electronic Information Exchange (the NRC's E-Filing System) in the above-captioned proceeding.

Signed (electronically) by Natalie Hildt Treat



Natalie Hildt Treat  
Executive Director  
C-10 Research & Education Foundation  
44 Merrimac Street, Newburyport, MA 01950  
Ph: (978) 465-6646 Email: [natalie@c-10.org](mailto:natalie@c-10.org)