



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555 - 0001

July 23, 2019

Administrative Judge
Ronald M. Spritzer, Chair
Atomic Safety and Licensing Board Panel
Mail Stop T-3 F23
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Administrative Judge
Dr. Sekazi Mtingwa
Atomic Safety and Licensing Board Panel
Mail Stop T-3 F23
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Administrative Judge
Nicholas G. Trikouros
Atomic Safety and Licensing Board Panel
Mail Stop T-3 F23
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

In the Matter of
NEXTERA ENERGY SEABROOK, LLC
(Seabrook Station, Unit 1)
Docket No. 50-443-LA-2; ASLBP No. 17-953-LA-BD01

Dear Administrative Judges:

Under 10 C.F.R. §§ 2.336 and 2.1203, as modified by the Atomic Safety and Licensing Board's November 29, 2017 Initial Scheduling Order, the U.S. Nuclear Regulatory Commission Staff notifies the Board and the parties that the hearing file has been supplemented for this proceeding. On or about July 23, 2019, materials added to the hearing file may be accessed through the Agencywide Documents Access and Management System (ADAMS) and through the Electronic Hearing Docket (EHD). The EHD may be accessed at the following URL: <https://adams.nrc.gov/ehd/>. The hearing file is contained in a sub-folder entitled, "Seabrook Docket No. 50-443-LA-2" in the "Staff Discovery Materials" folder of the EHD. An index containing the ADAMS accession number, date, and title or description of each item in added to the hearing file is provided as Attachment 1.

The Staff is adding these documents to the hearing file in an abundance of caution as they are cited in the Staff's Initial Written Statement of Position. Additionally, both documents relate to previously disclosed documents. Specifically, the first document is a letter from the NRC to NextEra dated September 12, 2012, informing NextEra of the deviation from the Reactor Oversight Process (ROP) for Seabrook. The underlying memorandum explaining the deviation from the ROP for Seabrook (ROP Deviation Memo), and attached to the September 12, 2012

R. Spritzer
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letter, was added to the hearing file in the Staff's Initial Disclosures (NRC-00044).¹ The second document is a letter from the NRC to NextEra dated September 3, 2013, closing the 2012 Confirmation Action Letter (CAL) and the ROP Deviation Memo. The 2012 CAL was also added to the hearing file in the Staff's Initial Disclosures (NRC-00032).²

Separately, the Staff is providing as supplemental disclosures those documents that it may include as exhibits with its Initial Written Statement of Position but which are not part of the hearing file. An index containing the title or description and location of each item is provided as Attachment 2.

Attached is the affidavit of Justin C. Poole certifying that all materials required to be disclosed pursuant to 10 C.F.R. §§ 2.336 and 2.1203 and the Board's Initial Scheduling Order have been disclosed and that the disclosures are accurate and complete for documents identified as of July 22, 2019.

The Staff notes that it has made a good faith effort to identify and characterize all documents meeting the criteria of 10 C.F.R. §§ 2.336 and 2.1203 in this proceeding. In identifying these documents, the Staff does not concede their relevance to the issues to be decided in this proceeding.

Sincerely,

Jennifer E. Scro
Counsel for the NRC Staff
U.S. Nuclear Regulatory Commission
Office of the General Counsel
Mail Stop O14-A44
Washington, DC 20555
Telephone: (301) 287-9081
E-mail: Jennifer.Scro@nrc.gov

Enclosures: Attachment 1 - Hearing File Index
Attachment 2 - Supplemental Disclosures
Attachment 3 - Affidavit of Justin C. Poole

cc: Service List

¹ Staff Initial Disclosures (Jan. 4, 2018) (ML18004A107).

² *Id.*

Attachment 1 – Seabrook LA 2 Hearing File
Index Supplemental Disclosures – July 23, 2019

ID#	Accession Number	Document Date	Title
NRC-00374	ML12258A042	09/12/2012	Letter from Darrell J. Roberts, NRC, to Kevin Walsh, NextEra, “Deviation from the Reactor Oversight Process Action Matrix for Seabrook Station, Unit No. 1”
NRC-00375	ML13246A107	09/03/2013	Letter from Darrell J. Roberts, NRC, to Kevin Walsh, NextEra, “Mid-cycle Performance Review and Inspection Plan – Seabrook Station, Unit No. 1 (Report 05000443/2013006)”

Attachment 2—NRC Staff Supplemental Disclosures
July 23, 2019

No.	Category	Title/Description	Location
1	Code	Section III, Division 2, of the 1975 Edition of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code (ASME Code) for containment	NRC
2	Report	ACI 408R-03, "Bond and Development of Straight Reinforcing Bars in Tension" (reapproved 2012)	NRC
3	Code	ACI 349, "Code Requirements for Nuclear Safety-Related Concrete Structures and Commentary," 2013	NRC
4	Article	Madhu M. Karthik, et. al., "Experimental Behavior of Large Reinforced Concrete Specimen with Heavy ASR and DEF [delayed ettringite formation] Deterioration," J. Struct. Eng. (2018) (published online May 31, 2018)	https://ascelibrary.org/doi/pdf/10.1061/%28ASCE%29ST.1943-541X.0002102
5	Article	M. Kathleen Eck Olave, et. al., "Performance of RC Columns Affected by ASR. II: Experiments and Assessment," Vol. 20. ASCE J. of Bridge Eng'g (March 2015) (published online June 12, 2014)	https://ascelibrary.org/doi/pdf/10.1061/%28ASCE%29BE.1943-5592.0000657
6	Article	F. Habibi, et. al., "Alkali Aggregate Reaction in Nuclear Concrete Structures: Part 3: Structural Shear Wall Elements," Transactions, 23rd Conference on Structural Mechanics in Reactor Technology (SMiRT-23), Manchester, UK, August 10-14, 2015, Division I, Paper ID 044.	https://repository.lib.ncsu.edu/bitstream/handle/1840.20/33789/SMiRT-23_Paper_044.pdf?sequence=1&isAllowed=y
7	Article	Sherry Berhoft, EPRI Senior Program Manager, NRC Commissioner Briefing on the Status of Subsequent License Renewal Preparations, "EPRI Long Term Operations: Research & Development for Aging Management" (Apr. 26, 2017)	https://www.nrc.gov/readings-rm/doc-collections/commission/slides/2017/20170426/berhoft-20170426.pdf

Attachment 2—NRC Staff Supplemental Disclosures
July 23, 2019

No.	Category	Title/Description	Location
8	Article	Emma L. Wong & Sherry Bernhoft, "Overview of the Electric Power Research Institute's Research for Long Term Operations," 117 Transactions of the Am. Nuclear Soc'y, 648, 648 (Oct. 29–Nov. 2, 2017)	NRC
9	Report	Organisation for Economic Co-operation and Development, Nuclear Energy Agency, "Final Report on the Phase 1 of the Assessment of Structures Subjected to Concrete Pathologies," NEA/CSNI/R(2016)13 (July 2017)	https://www.oecd-nea.org/nsd/docs/2016/csni-r2016-13.pdf
10	Report	Organisation for Economic Co-operation and Development, Nuclear Energy Agency, "Phase II of the Assessment of Structures Subjected to Concrete Pathologies (ASCET): Final Report," NEA/CSNI/R(2018)4 (Jan. 21, 2019)	http://www.oecd.org/officialdocuments/publicdisplaydocumentpdf/?cote=NEA/CSNI/R(2018)4&docLanguage=En
11	Webpage	IRSN, <i>Research programs</i> , webpage	https://www.irsn.fr/EN/Research/Research-organisation/Research-programmes/Odoba-project/Pages/ODOBA.aspx
12	Book	R. Park and T. Paulay, "Reinforced Concrete Structures," (John Wiley & Sons, Inc. 1975).	NRC
13	Article	Stéphane Multon, et. al., "Flexural Strength of Beams Affected by ASR," 12th International Conference on Alkali-Aggregate Reaction, Beijing, China (2004)	NRC

Attachment 2—NRC Staff Supplemental Disclosures
July 23, 2019

No.	Category	Title/Description	Location
14	Report	Dean J., Deschenes, et. al., "ASR/DEF-Damaged Bent Caps: Shear Tests and Field Implications," Technical Report No. 12-8XXIA006 summarizing work conducted for the Texas Department of Transportation at Ferguson Structural Engineering Laboratory, The University of Texas at Austin (August 2009)	NRC
15	Report	Canadian Standards Association (CSA) A864-00, "Guide to the Evaluation and Management of Concrete Structures Affected by Alkali-Aggregate Reaction," (Feb. 2000) (Reaffirmed 2005)	NRC
16	Book	Geoffrey E. Blight, and Mark G. Alexander, "Alkali-Aggregate Reaction and Structural Damage to Concrete - Engineering Assessment, Repair and Management," (CRC Press Taylor & Francis Group, 2011)	NRC
17	ADAMS Document	NUREG/CR-5563, "A Technical Basis for Revision to Anchorage Criteria," March 1999	ML032740128
18	ADAMS Document	NRC Information Notice 2011-20: Concrete Degradation by Alkali-Silica Reaction (Nov. 18, 2011)	ML112241029
19	ADAMS Document	Standard Review Plan for Review of Subsequent License Renewal Applications for Nuclear Power Plants" (Final Report), NUREG-2192 (July 2017)	ML17188A158
20	ADAMS Document	Interagency Agreement between NRC and NIST (Mar. 31, 2014)	ML14147A221
21	ADAMS Document	Grant and Cooperative Agreement between NRC and Northwestern University (Sept. 30, 2014)	ML14275A015

Attachment 2—NRC Staff Supplemental Disclosures
July 23, 2019

No.	Category	Title/Description	Location
22	ADAMS Document	"Research Activities FY 2018-2020," NUREG-1925, Rev. 4 (Mar. 2018)	ML18071A139
23	ADAMS Document	Letter from Darrell J. Roberts, NRC, to Kevin Walsh, NextEra, "Deviation from the Reactor Oversight Process Action Matrix for Seabrook Station, Unit No. 1," (Sept. 12, 2012)	ML12258A042
24	ADAMS Document	Letter from Darrell J. Roberts, NRC, to Kevin Walsh, NextEra, "Mid-cycle Performance Review and Inspection Plan – Seabrook Station, Unit No. 1 (Report 05000443/2013006)," (Sept. 3, 2013)	ML13246A107
25	ADAMS Document	Regulatory Guide (RG) 1.29, Seismic Design Classification for Nuclear Power Plants (July 2016)	ML16118A148

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of

NEXTERA ENERGY SEABROOK, LLC

(Seabrook Station, Unit 1)

Docket No. 50-443-LA-2

AFFIDAVIT OF JUSTIN C. POOLE
CONCERNING MANDATORY DISCLOSURE REQUIREMENTS

I, Justin C. Poole, do hereby state as follows:

1. I am employed as a Project Manager in the U.S. Nuclear Regulatory Commission's Office of Nuclear Reactor Regulation. I currently serve as a project manager for Seabrook Station, Unit 1. Among other things, I have been assisting with the preparation of the hearing file and mandatory disclosures in connection with the license amendment request at issue in this proceeding.

2. I hereby certify that all materials required to be disclosed pursuant to 10 C.F.R. §§ 2.336 and 2.1203 and the Atomic Safety and Licensing Board's November 29, 2017 Initial Scheduling Order in the captioned proceeding have been disclosed, and that the disclosures are accurate and complete for documents identified as of July 22, 2019.

3. I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge, information, and belief.

Executed in Accord with 10 CFR 2.304(d)

Justin C. Poole
Project Manager
U.S. Nuclear Regulatory Commission
Washington, DC 20555
Telephone: (301) 415-2048
Email: Justin.Poole@nrc.gov

Executed in Rockville, Maryland
this 22nd day of July 2019

UNITED STATES OF AMERICA

NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of)	
)	
NEXTERA ENERGY SEABROOK, LLC)	Docket No. 50-443-LA-2
)	
(Seabrook Station, Unit 1))	ASLBP No. 17-953-LA-BD01
)	

CERTIFICATE OF SERVICE

I hereby certify that copies of the foregoing "NRC STAFF'S SUPPLEMENTAL DISCLOSURES" in the above captioned proceeding have been served this 23rd day of July, 2019, via the NRC's Electronic Information Exchange ("EIE"), which to the best of my knowledge resulted in transmittal of the foregoing to those on the EIE Service List for the above captioned proceeding.

Signed (electronically) by
Jennifer E. Scro
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U.S. Nuclear Regulatory Commission
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