



May 25, 2010

SBK-L-10077

Docket No. 50-443

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
One White Flint North
11555 Rockville Pike
Rockville, MD 20852

Seabrook Station
Application for Renewed Operating License

Pursuant to the Code of Federal Regulations, Title 10, Parts 50, 51, and 54; NextEra Energy Seabrook, LLC hereby applies for renewal of the Seabrook Station Unit No. 1 Facility Operating License No. NPF-86, which expires at midnight on March 15, 2030. By this application, NextEra Energy Seabrook, LLC requests that the NextEra Energy Seabrook, LLC; Facility Operating License for Seabrook Station Unit No. 1 be extended for 20 years beyond the current expiration date. The application is filed within the interval specified in 10 CFR 54.17 (c) and meets the timeliness requirements of 10 CFR 2.109 (b). The application also applies to the source, special nuclear and by-product materials licenses that are subsumed in the facility operating license.

NextEra Energy Seabrook, LLC submits the enclosed Seabrook Station "Application for Renewed Operating License" in accordance with the applicable NRC operating license renewal requirements of 10 CFR Parts 54 and 51. The application includes the "Applicant's Environmental Report – Operating License Renewal Stage" (Environmental Report) prepared pursuant to 10 CFR 54.23 and 10 CFR Part 51, Subpart A. In addition to the signed original application enclosed are 13 electronic copies (CD) of the application.

Pursuant to 10 CFR 54.21 (b), current licensing basis changes which have a material effect on the content of this application will be identified annually while the application is under NRC review, and at least three months prior to the scheduled completion of the NRC review.

Additional consent to PM

*A035
NER*

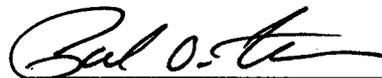
The enclosure provides the NextEra Energy Seabrook, LLC, application in hard copy format. The Licensee Commitments identified in Table A-1 of Appendix A, Seabrook Station Updated Final Safety Analysis Report Supplement, are proposed to support approval of the renewed operating License and may change during the NRC review period.

If there are any questions or additional information is needed, please contact Mr. Richard R.Cliche, License Renewal Project Manager, at (603) 773-7003.

If you have any questions regarding this correspondence, please contact Mr. Michael O'Keefe, Licensing Manger, at (603) 773-7745.

Sincerely,

NextEra Energy Seabrook, LLC



Paul O. Freeman
Site Vice President

cc:

S. J. Collins, NRC Region I Administrator
G. E. Miller, NRC Project Manager, Project Directorate I-2
W. J. Raymond, NRC Resident Inspector
R. A. Plasse Jr., NRC Project Manager, License Renewal (4 Copies)
J. J. Susco, NRC Project Manager, License Renewal

Mr. Christopher M. Pope
Director Homeland Security and Emergency Management
New Hampshire Department of Safety
Division of Homeland Security and Emergency Management
Bureau of Emergency Management
33 Hazen Drive
Concord, NH 03305

John Giarrusso, Jr., Nuclear Preparedness Manager
The Commonwealth of Massachusetts
Emergency Management Agency
400 Worcester Road
Framingham, MA 01702-5399



I, Paul O. Freeman, Site Vice President of NextEra Energy Seabrook, LLC hereby affirm that the information and statements contained within are based on facts and circumstances which are true and accurate to the best of my knowledge and belief.

Sworn and Subscribed

Before me this

25 day of May, 2010

A handwritten signature in cursive script, appearing to read "Paul O. Freeman".

Paul O. Freeman

Site Vice President

A handwritten signature in cursive script, appearing to read "Michael O'Keefe".

Notary Public



Attachment to SBK-L-10077

**LICENSE RENEWAL APPLICATION
NEXTERA ENERGY SEABROOK, LLC
DOCKET NO. 50-443
SEABROOK STATION, UNIT NO. 1
FACILITY OPERATING LICENSE No. NPF-86**