



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

July 12, 2011

Mr. Paul Freeman, Site Vice President  
c/o Mr. Michael O'Keefe  
NextEra Energy Seabrook, LLC  
P.O. Box 300  
Seabrook, NH 03874

SUBJECT: SCHEDULE REVISION FOR THE SAFETY REVIEW OF THE SEABROOK  
STATION LICENSE RENEWAL APPLICATION (TAC NO. ME4028)

Dear Mr. Freeman:

By letter dated May 25, 2010, NextEra Energy Seabrook, LLC (NextEra) submitted an application pursuant to Title 10 of the *Code of Federal Regulations* Part 54, to renew the Operating License NPF-86 for Seabrook Station, Unit 1 (Seabrook) for review by the U.S. Nuclear Regulatory Commission (NRC or the staff). By letter dated April 14, 2011, NextEra provided responses to staff requests for additional information (RAIs) related to the aging management of the alkali-silica reaction (ASR) affected structures. Based on this RAI response, the staff notes that the analysis of the ASR issue is ongoing. Specifically, NextEra provided a schedule to complete an engineering evaluation of the ASR of concrete at Seabrook in March 2012. NextEra noted that the content of the evaluation will include: discussion of degradation mechanisms in concrete, identification of areas susceptible to ASR, results of in-situ testing of concrete and impact on current licensing basis calculations and analyses, results of lab testing to establish ASR degradation rates in concrete, and mitigation techniques. In addition, NextEra plans to update the structures monitoring program, as appropriate, to manage aging related to ASR in concrete structures based on the engineering evaluation results.

Since NextEra has delayed providing aging management programs that include the evaluation of ASR, the NRC is revising the review schedule. The staff is revising the proposed license renewal schedule so that the staff can complete a thorough review of NextEra's aging management programs for the ASR-affected structures. This change to the schedule has been discussed with Rich Cliche of your staff. Enclosed is the staff's revised review schedule for the Seabrook license renewal application. You will note that environmental review milestone dates remain on schedule.

P. Freeman

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If you have any questions on the revised schedule, please contact Mr. Richard Plasse, Project Manager for the review of the Seabrook LRA, by telephone at 301-415-1427 or by e-mail at [richard.plasse@nrc.gov](mailto:richard.plasse@nrc.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "B. E. Holian". The signature is stylized with a large, looped initial "H" and a long horizontal stroke under the "B".

Brian E. Holian, Director  
Division of License Renewal  
Office of Nuclear Reactor Regulation

Docket No. 50-443

Enclosure:  
As stated

cc w/encl: Listserv

SEABROOK STATION  
LICENSE RENEWAL APPLICATION  
UPDATED SAFETY REVIEW SCHEDULE

Milestones	Schedule Date	Actual Date
Receive license renewal application (LRA)	6/1/10	6/1/10
Publish Federal Register Notice (FRN) – LRA availability	6/14/10	6/16/10
Publish FRN – acceptance/rejection and opportunity for hearing	7/23/10	7/21/10
Publish FRN – environmental scoping meeting	7/23/10	7/20/10
Public Meeting – License Renewal Overview and Environmental Scoping Meeting	8/19/10	8/19/10
Audit - Scoping & Screening Audit Methodology	9/20/10	9/20/10
Deadline for filing hearing requests and petitions for intervention	9/20/10*	10/20/10
Environmental scoping period ends	9/21/10	9/21/10
Audit – Environmental	10/04/10	10/05/10
Audit – Aging Management Programs	10/12/10	10/12/10
Issue safety evaluation report (SER) with open items	5/2012**	
Issue draft supplemental environmental impact statement (SEIS)	8/2011	
Publish FRN – draft SEIS available for comments	8/2011	
Public Meeting – draft SEIS meeting	9/2011	
Advisory Committee on Reactor Safeguards (ACRS) Subcommittee meeting	7/2012**	
End of draft SEIS comment period	10/2011	
Issue final SER	12/2012**	
ACRS full committee meeting	1/2013**	
Issue final SEIS	3/2012	
U.S. Environmental Protection Agency FRN Published – availability of final SEIS	3/2012	
Commission decision	TBD	

\* Extended to 10/20/10 for the State of New Hampshire, Beyond Nuclear, Friends of the Coast, the New England Coalition, the Seacoast Anti-Pollution League, and the New Hampshire Sierra Club per Order of the Secretary of the Commission.

\*\*Pending acceptable submission of additional information related to the aging management of structures affected by alkali-silica reaction.

ENCLOSURE

P. Freeman

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Sincerely,

*/RA/*

Brian E. Holian, Director  
Division of License Renewal  
Office of Nuclear Reactor Regulation

Docket No. 50-443

Enclosure:  
As stated

cc w/encl: Listserv

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\*concurrence via e-mail

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<b>NAME</b>	SFiguroa	RPlasse	DWrona	SFiguroa	BHolian
<b>DATE</b>	06/29/2011	07/06/2011	07/06/2011	07/06/2011	07/12/2011

**OFFICIAL RECORD COPY**

Letter to Paul Freeman from Brian E. Holian dated July 12, 2011

SUBJECT: SCHEDULE REVISION FOR THE SAFETY REVIEW OF THE SEABROOK  
STATION LICENSE RENEWAL APPLICATION (TAC NO. ME3959)

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