

## SeabrookNPEM Resource

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**From:** Cunanan, Arthur  
**Sent:** Wednesday, September 19, 2012 3:06 PM  
**To:** Sun, Robert; Iqbal, Naeem  
**Cc:** Milano, Patrick  
**Subject:** FW: Advance Copy, Annual Update  
**Attachments:** SBK-L-12186.pdf

Robert and Naeem,

Attached is Seabrook's second annual update on the LRA. It contains additional information on bolting integrity and fire protection. Please review and let Pat and me know if you have further questions regarding the submittal.

Sincerely,  
Arthur Cunanan  
Project Manager  
Division of License Renewal  
U.S. Nuclear Regulatory Commission  
301-415-3897  
[arthur.cunanan@nrc.gov](mailto:arthur.cunanan@nrc.gov)

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**From:** Cliche, Richard [<mailto:Richard.Cliche@nexteraenergy.com>]  
**Sent:** Tuesday, September 18, 2012 1:35 PM  
**To:** Cunanan, Arthur  
**Subject:** Advance Copy, Annual Update

Arthur,  
Attached is an advance copy of the second annual update letter, SBK-L-12186.

### **Rick Cliche**

*License Renewal Project Manager*

*Seabrook Station*

[richard.cliche@fpl.com](mailto:richard.cliche@fpl.com)

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**Hearing Identifier:** Seabrook\_License\_Renewal\_NonPublic  
**Email Number:** 3397

**Mail Envelope Properties** (Arthur.Cunanan@nrc.gov20120919150500)

**Subject:** FW: Advance Copy, Annual Update  
**Sent Date:** 9/19/2012 3:05:34 PM  
**Received Date:** 9/19/2012 3:05:00 PM  
**From:** Cunanan, Arthur

**Created By:** Arthur.Cunanan@nrc.gov

**Recipients:**

"Milano, Patrick" <Patrick.Milano@nrc.gov>  
Tracking Status: None  
"Sun, Robert" <Robert.Sun@nrc.gov>  
Tracking Status: None  
"Iqbal, Naeem" <Naeem.Iqbal@nrc.gov>  
Tracking Status: None

**Post Office:**

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September 18, 2012

SBK-L-12186  
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  
Second Annual Update to the  
NextEra Energy Seabrook License Renewal Application

References:

1. NextEra Energy Seabrook, LLC letter SBK-L-10077, "Seabrook Station Application for Renewed Operating License," May 25, 2010. (Accession Number ML101590099)
2. NextEra Energy Seabrook, LLC letter SBK-L-11173, "Seabrook Station First Annual Update to the Seabrook Station License Renewal Application," August 25, 2011. (Accession Number ML11241A142)

In Reference 1, NextEra Energy Seabrook, LLC (NextEra) submitted an application for a renewed facility operating license for Seabrook Station Unit 1 in accordance with the Code of Federal Regulations, Title 10, Parts 50, 51, and 54.

The License Renewal Rule, 10 CFR 54.21(b) requires that each year following submittal of a license renewal application (LRA), and at least 3 months before scheduled completion of the NRC review, an update to the license renewal application must be submitted that identifies any change to the current licensing basis (CLB) of the facility that materially affects the content of the LRA including the FSAR supplement.

In accordance with the License Renewal Rule, NextEra Energy Seabrook, LLC performed a review of CLB changes since the submittal of Reference 1, to determine whether any sections of the LRA were affected by these changes. The results of this first review were documented in

Reference 2 and submitted to the NRC in August of 2011.

NextEra Energy Seabrook, LLC has subsequently performed a second review of CLB changes since the submittal of Reference 2, to determine whether any sections of the LRA were affected by these changes. The results of the review are reported in Enclosure 1. This update also includes a review of plant specific and industry operating experience for the same time period.

There are no new or revised regulatory commitments contained in this letter.

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.



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Kevin T. Walsh  
Site Vice President

Enclosures:

Enclosure 1 - Second Annual Update to the Seabrook Station License Renewal Application

cc:

W.M. Dean,	NRC Region I Administrator
J. G. Lamb,	NRC Project Manager, Project Directorate I-2
J. Gieves,	NRC Resident Inspector
A.D. Cunanan	NRC Project Manager, License Renewal
M. Wentzel,	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  
Frammingham, MA 01702-5399



I, Kevin T. Walsh, 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

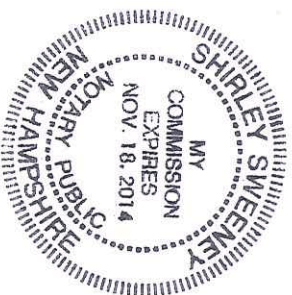
Before me this 18<sup>th</sup> day of September, 2012

A blue ink signature of Kevin T. Walsh, consisting of a stylized 'K' and 'W' followed by a horizontal line.

Kevin T. Walsh  
Site Vice President

A black ink signature of Shirley Sweeney, written in a cursive style.

Notary Public



**Enclosure 1 to SBK-L-12186**

**Second Annual Update to the Seabrook Station License Renewal Application**



1. During the period covered by this update, a body to bonnet leak on a 6" Safety Injection system (SI) valve necessitated installation of a seal cap. This cap is designed to encapsulate the body to bonnet joint as well as the bonnet closure studs and nuts. This design, if left as a permanent installation, would preclude inspection of the bolting and a portion of the valve bolting as required by the applicable Aging Management Programs. In Seabrook Letter SBK-L-12123 (ML12178A405), dated June 19, 2012, NextEra changed the License Renewal Application Appendix A, Section A.2.1.9, Page A-9, and added a statement that "removal of the seal cap enclosures and restoration of the original configuration is planned to be completed no later than December 31, 2014".

Because the condition created by installation of this seal cap is planned to be removed by no later than December 31, 2014 (which is prior to entering the Period of Extended Operation), no further change to the License Renewal Application is necessary.

2. A normally closed valve was installed in the Fire Protection header supplying the Control Building and Diesel Generator Building hose reels. A bypass line with a flow-restricting orifice was installed around this valve to limit the flow from a rupture of downstream piping. As a result, the following changes to the LRA have been made:

a) In Section 2.3.3-15, on page 2.3-146, under the System Description for the Fire Protection System, a new paragraph is added after the 3<sup>rd</sup> paragraph as follows:

*To limit break flow in the event of a Fire Protection piping rupture, a normally closed valve is installed in the header supplying the Control Building and Diesel Generator Building hose reels. A bypass line with a flow-restricting orifice is installed around this valve to limit the flow from a rupture of downstream piping, but still allow adequate flow to support use of downstream hose reels. The valve is installed to allow additional flow to the downstream hose reels at the firefighters' discretion. The valve, bypass line, and orifice are installed in the Radiological Controlled Area Walkway.*

b) In Table 2.3.3-15, on page 2.3-151, a new row is added after the 6<sup>th</sup> row as follows:

<i>Orifice</i>	<i>Pressure Boundary</i>
	<i>Throttle</i>



c) In Table 3.3.2-15, on page 3.3-306, new 1<sup>st</sup> and 2<sup>nd</sup> rows are added as follows:

<i>Orifice</i>	<i>Pressure Boundary Throttle</i>	<i>Stainless Steel</i>	<i>Air-Indoor Uncontrolled (External)</i>	<i>None</i>	<i>None</i>	<i>VII-J-15 (AP-17)</i>	<i>3.3.1-94</i>	<i>A</i>
<i>Orifice</i>	<i>Pressure Boundary Throttle</i>	<i>Stainless Steel</i>	<i>Raw Water (Internal)</i>	<i>Loss of Material</i>	<i>Five Water System Program</i>	<i>VII-G-19 (A-55)</i>	<i>3.3.1-69</i>	<i>A</i>