



JUL 26 2016

L-2016-146  
10 CFR 50.46(a)(3)(ii)  
Docket No. 50-443

U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555

Seabrook Station  
Annual Reporting of Changes to, or Errors in  
Emergency Core Cooling System Models or Applications

The purpose of this letter is to submit the 10 CFR 50.46 annual reporting information for NextEra Energy Seabrook, LLC.

Attached, please find the current Seabrook Station status including the results for years 2014 and 2015. Key references regarding this information are also provided in the attached.

There are no new commitments contained in the letter. Should you have any questions regarding this report, please contact Mr. Kevin J. Randall, Reactor Engineering Supervisor, at (603) 773-7992.

Sincerely,

A handwritten signature in cursive script, appearing to read "Larry Nicholson".

Larry Nicholson  
Director, Nuclear Licensing and Regulatory Compliance

Enclosure

cc: D. Dorman, NRC Region I Administrator  
J. Lamb, NRC Project Manager, Project Directorate I-2  
P. Cataldo, NRC Senior Resident Inspector

ADD2  
NRR

**ENCLOSURE TO L-2016-146**

**Seabrook SBLOCA and LBLOCA PCTs**

	<b><u>Peak Clad Temperature</u></b>	<b><u>Cumulative Change</u></b>
<b><u>LBLOCA</u></b>		
2014 10 CFR 50.46 Annual Report <sup>(1)</sup>	1939 °F	155 °F
<u>Errors in 2015</u> <sup>(2)</sup> Modeling errors in the lower support plate core barrel, and vessel cladding unheated conductors.	0 °F	0 °F
<b>2015 10 CFR 50.46 Annual Report</b>	<b>1939 °F</b>	<b>155 °F</b>
 <b><u>SBLOCA</u></b>		
2014 10 CFR 50.46 Annual Report <sup>(1)</sup>	1373 °F	0 °F
<b><u>No Errors in 2015</u></b>		
<b>2015 10 CFR 50.46 Annual Report</b>	<b>1373 °F</b>	<b>0 °F</b>

**References**

1. Letter from M. Ossing to U. S. Nuclear Regulatory Commission, "Seabrook Station Annual Reporting of Changes to, or Errors in Emergency Core Cooling System Models or Applications," SBK-L-15140, Accession No. ML15194A041, July 9, 2015.
2. Letter from M. Ossing to U. S. Nuclear Regulatory Commission, "Seabrook Station Best-Estimate Large Break Loss of Coolant Accident 10 CFR 50.46 30-Day Report," SBK-L-15195, Accession No. ML15317A008, November 7, 2015