



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

December 27, 2013

Mr. Kevin Walsh
Site Vice President
NextEra Energy Seabrook, LLC
P.O. Box 300
Seabrook, NH 03874

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE
SEABROOK STATION LICENSE RENEWAL APPLICATION-SEVERE
ACCIDENT MITIGATION ALTERNATIVES REVIEW (TAC NO. ME3959)

Dear Mr. Walsh:

By letter dated May 25, 2010, NextEra Energy Seabrook, LLC (NextEra), submitted an application to renew the operating license for Seabrook Station, Unit 1 (Seabrook), for an additional 20 years. In support of the application and in accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) Part 51 and 10 CFR Part 54, NextEra also submitted an environmental report for Seabrook. During the intervening year, NextEra updated their probabilistic risk assessment (PRA) and by letter dated March 19, 2012, provided a supplemental severe accident mitigation alternatives (SAMA) analysis based on a PRA update. The staff is reviewing the information contained in the license renewal application, the associated environmental report, and the supplemental SAMA analysis, and has identified, in the enclosure, an area where additional information is needed to complete the SAMA review.

The item in the enclosure was discussed with your staff and a mutually agreeable date for the response is within 30 days from the date of this letter. If you have any questions, please contact me at 301-415-3306 or by e-mail at lois.james@nrc.gov.

Sincerely,

A handwritten signature in cursive script, appearing to read "Lois James".

Lois J. James, Project Manager
Projects Branch 2
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket No. 50-443

Enclosure:
As stated

cc w/encl: Listserv

December 27, 2013

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Site Vice President
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P.O. Box 300
Seabrook, NH 03874

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/RA/

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*via email

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NAME	IKing*	LJames	JDozier*	BWittick	LJames
DATE	12/20/2013	12/24/2013	12/13/2013	12/26/2013	12/27/2013

OFFICIAL RECORD COPY

Letter to Kevin Walsh from Lois James dated December 27, 2013

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE
SEABROOK STATION LICENSE RENEWAL APPLICATION-SSEVERE
ACCIDENT MITIGATION ALTERNATIVES REVIEW (TAC NO. ME3959)

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**Request for Additional Information
Regarding the Analysis of Severe Accident Mitigation Alternatives
For the Seabrook Station License Renewal Review**

In order to support the staff analysis of conservatisms in the NextEra Energy Seabrook, LLC (NextEra), severe accident mitigation alternatives (SAMA) analysis, the following information is needed.

- A. Weather Files: The SAMA analysis included in the weather file for the year 2005. Weather files for all 5 years are needed to support the analysis of conservatisms. Provide the remaining 4 years of weather data.
- B. Dose Conversion Coefficient File: NextEra implemented what appears to be a custom dose conversion file in the SAMA analysis. The exact version of the dose conversion factor file used by NextEra in the SAMA analysis is needed to support our evaluation of conservatisms. Provide the exact version of the dose conversion factor file.

ENCLOSURE