



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION I
2100 RENAISSANCE BLVD.
KING OF PRUSSIA, PA 19406-2713

April 16, 2018

Mr. Mano Nazar
President and Chief Nuclear Officer
Nuclear Division
NextEra Energy Seabrook, LLC
Mail Stop: EX/JB
700 Universe Blvd.
Juno Beach, FL 33408

SUBJECT: SEABROOK STATION, UNIT NO. 1 – EVALUATED EMERGENCY
PREPAREDNESS EXERCISE INSPECTION REPORT 05000443/2018501

Dear Mr. Nazar:

On April 5, 2018, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Seabrook Station, Unit 1. The NRC inspectors discussed the results of this inspection with Mr. Eric McCartney, Regional Vice President, Northern Region, and other members of your staff. The results of this inspection are documented in the enclosed report.

The NRC inspectors did not identify any finding or violation of more than minor significance.

This letter, its enclosure, and your response (if any) will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> and the NRC Public Document Room in accordance with 10 CFR 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

/RA/

Raymond McKinley, Chief
Plant Support Branch
Division of Reactor Safety

Docket No. 50-443
License No. NPF-86

Enclosure:
Inspection Report 05000443/2018501

cc w/encl: Distribution via ListServ
S. Colman, RAC Chair, FEMA Region I

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 PREPAREDNESS EXERCISE INSPECTION REPORT
 05000443/2018501 DATED APRIL 16, 2018

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**U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report**

Docket Number: 50-443

License Number: NPF-86

Report Number: 05000443/2018501

Enterprise Identifier: I-2018-501-0034

Licensee: NextEra Energy Seabrook, LLC (NextEra)

Facility: Seabrook Station, Unit No. 1

Location: Seabrook, NH

Inspection Dates: April 3 – 5, 2018

Inspectors: J. Ambrosini, Senior Emergency Preparedness Inspector, Division of
Reactor Safety (DRS)
P. Cataldo, Senior Resident Inspector, Division of Reactor Projects (DRP)
J. DeBoer, Emergency Preparedness Inspector, DRS
P. Presby, Senior Operations Engineer, DRS
D. Silk, Senior Operations Engineer, DRS

Approved By: R. McKinley, Branch Chief
Plant Support Branch
Division of Reactor Safety

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring NextEra Energy's performance at Seabrook Station, Unit No. 1 by conducting an evaluated emergency preparedness exercise inspection in accordance with the Reactor Oversight Process. The Reactor Oversight Process is the NRC's program for overseeing the safe operation of commercial nuclear power reactors. Refer to <https://www.nrc.gov/reactors/operating/oversight.html> for more information. No findings or more-than-minor violations were identified.

INSPECTION SCOPE

The inspectors conducted the inspection using the appropriate portions of the inspection procedure in effect at the beginning of the inspection unless otherwise noted. Currently approved inspection procedures with their attached revision histories are located on the public website at <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>. The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel to assess licensee performance and compliance with Commission rules and regulations, license conditions, site procedures, and standards. The inspectors determined the following samples were complete when the inspection procedure requirements were met consistent with Inspection Manual Chapter 2515, "Light-Water Reactor Inspection Program - Operations Phase."

REACTOR SAFETY

71114.01 - Exercise Evaluation (1 sample)

The inspectors evaluated the adequacy of Next Era Energy's conduct of the exercise and its capability to assess staff performance via a formal critique process, as required by Title 10 of the Code of Federal Regulations (10 CFR) 50.47(b)(14).

71114.08 - Exercise Evaluation – Scenario Review (1 sample)

The inspectors reviewed and evaluated the proposed scenario for biennial emergency plan exercise on March 2.

71151 - Performance Indicator Verification (3 samples)

The inspectors verified licensee performance indicators submittals listed below for the period from April 2017 through December 2017.

- (1) Drill and Exercise Performance
- (2) Emergency Response Organization Drill Participation
- (3) Alert and Notification System

EXIT MEETINGS AND DEBRIEFS

On April 5, the inspectors presented the inspection results to Mr. Eric McCartney, Regional Vice President, Northern Region, and other members of the Next Era Energy staff. The inspectors verified no proprietary information was retained or documented in this report.

LIST OF DOCUMENTS REVIEWEDSection 1EP1: Exercise Evaluation

Seabrook Station Emergency Preparedness Plan

Seabrook Station Emergency Preparedness Plan Implementing Procedures

Seabrook April 4, 2018 NRC/FEMA Evaluated Exercise Scenario Package CFE 18-02

Condition Reports

02258097

02258101

02258167

Section 1EP8: Exercise Evaluation – Scenario Review

Seabrook Station Emergency Preparedness Plan

Seabrook Station Emergency Preparedness Plan Implementing Procedures

Seabrook April 4, 2018 NRC/FEMA Evaluated Exercise Scenario Package CFE 18-02

Section 4OA1: Performance Indicator (PI) Verification

DEP PI data, April 2017 – December 2017

ERO Drill Participation PI data, April 2017 – December 2017

ANS Reliability PI data, April 2017 – December 2017