NEXTera ENERGY SEABROOK

June 8, 2012

10 CFR 50.54(f)

SBK-L-12111
Docket No. 50-443

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
One White Flint North
11555 Rockville Pike
Rockville, MD 20852

Seabrook Station

Emergency Preparedness Information Requested by NRC Letter, Request for Information Pursuant to Title 10 of the Code of Federal Regulations 50.54(f) Regarding Recommendations 2.1, 2.3, and 9.3, of the Near-Term Task Force Review of Insights from the Fukushima Dai-Ichi Accident; dated March 12, 2012

References:

1. NRC Letter, Request for Information Pursuant to Title 10 of the Code of Federal Regulations 50.54(f) Regarding Recommendations 2.1, 2.3, and 9.3, of the Near-Term Task Force Review of Insights from the Fukushima Dai-Ichi Accident, dated March 12, 2012. (ML12053A340)

2. NextEra Energy Seabrook, LLC letter to NRC, 60-Day Response to March 12, 2012 10 CFR 50.54(f) Request for Information, dated May 9, 2012.

On March 12, 2012, the NRC staff issued Reference 1. Enclosure 5 of the letter contains specific Requested Actions and Requested Information associated with Recommendation 9.3 for Emergency Preparedness (EP) programs. In accordance with 10 CFR 50.54, "Conditions of licenses," paragraph (f), addressees were requested to submit a written response to the information requests within 90 days. The letter also provided requested due dates for written responses.

In Reference 2, NextEra Energy Seabrook, LLC (NextEra Energy Seabrook), provided a response within 60 days of the date of Reference 1 describing the alternative course of action that it proposes to take, including the basis of the acceptability of the proposed alternative course of action and estimated completion date. The alternative course of action included revised information due dates and the basis for those dates. As described

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in the alternative course of action, the Enclosure to this letter transmits the responses to the following information requests:

- Enclosure 5, Communications request #2
- Enclosure 5, Staffing request #3
- Enclosure 5, Staffing request #4
- Enclosure 5, Staffing request #5

There are no regulatory commitments contained in this letter.

Should you have any questions regarding this letter, please contact Mr. Michael O'Keefe, Licensing Manager, at (603) 773-7745.

Sincerely,

NextEra Energy Seabrook, LLC

Paul O. Freeman
Site Vice President

Enclosures

cc: E. J. Leeds, Director of Office of Nuclear Reactor Regulation
W. M. Dean, NRC Region I Administrator
J. G. Lamb, NRC Project Manager
W. J. Raymond, NRC Senior Resident Inspector

Mr. Christopher M. Pope, Director Homeland Security and Emergency Management
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NEXTera ENERGY SEABROOK

AFFIDAVIT

SEABROOK STATION UNIT 1

Facility Operating License NPF-86

Docket No. 50-443

Emergency Preparedness Information Requested by NRC Letter, Request for Information Pursuant to Title 10 of the Code of Federal Regulations 50:54(f) Regarding Recommendations 2.1, 2.3, and 9.3, of the Near-Term Task Force Review of Insights from the Fukushima Dai-Ichi Accident; dated March 12, 2012

I, Tom Vehec, Plant General Manager of NextEra Energy Seabrook, LLC hereby affirm that the information and statements contained within this Response to the 10 CFR 50.54(f) Request for Information 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 8 **day of** June **, 2012**

Shirley Sweeney
Notary Public

Tom Vehec
Plant General Manager

SHIRLEY SWEENEY
MY COMMISSION EXPIRES NOV. 18, 2014
NOTARY PUBLIC NEW HAMPSHIRE

Communications

NRC Requested Information – Enclosure 5

Request No. 2. **Describe any interim actions that have been taken or are planned to be taken to enhance existing communications systems power supplies until the communications assessment and the resulting actions are complete.**

NextEra Energy Seabrook Response

Seabrook Station normal and emergency communication systems were evaluated as part of the station response to INPO IER 11-4. In the event of the postulated beyond design basis external event that results in an extended loss of all AC power, onsite communications will be ensured using radio equipment in point-to-point communications mode along with sound powered phones inside safety related structures. While the Sound Powered Telephone System is not specifically designed to withstand seismic events, the portions of that system that are contained in seismically rated structures are likely to remain operational. Radios would be the primary source of communications in this event with sound powered phones as backup.

Approximately 200 portable radios that operate on the station UHF trunked radio system are maintained onsite. There are an additional 39 VHF portable radios utilized by plant security personnel. Spare batteries are maintained onsite for these radios. There are approximately 40 charging units available onsite for the portable radio batteries. The charging units have varying numbers of battery bays. Sufficient charging capacity exits for spare batteries for the available portable radios.

NextEra Energy Seabrook has recently acquired 10 portable satellite telephones for onsite and offsite emergency communications. Each of the satellite telephones is equipped with its own battery and an additional spare battery. Each battery when charged has a talk time of 8 hours and a standby time of 100 hours. Three 4-bay charging units have been acquired for the satellite telephone batteries.

NextEra Energy Seabrook has recently procured three 6 kW portable generators for emergency power in the event of loss of all installed AC power sources. One of these generators will be dedicated to emergency power for charging radio and satellite telephone batteries.

Staffing

NRC Requested Information – Enclosure 5

Request No. 3. **Identify how the augmented staff would be notified given degraded communications capability.**

NextEra Energy Seabrook Response

NextEra Energy Seabrook has implemented guidance for the station Emergency Response Organization (ERO) in the event of conditions when normal notification methods may not be available. This guidance was implemented in response to INPO SOER 99-01. The guidance is contained in Seabrook Station Management Manual procedure NM11700, Emergency Preparedness Responsibilities of Primary, Subject to Call, and Secondary Emergency Response Organization Members, and reads as follows:

> "When on-duty/off-duty Primary Responders and subject-to-call pager wearers become aware of a loss or degradation of the electrical grid that has the potential to negatively impact ERO notification systems (i.e., the pager system, cellular telephones or home telephones that require electric power to operate), they are expected to report to their assigned emergency response facilities. Example: If, during a wide-spread loss or degradation of electrical grid events, your cell phone and your home phone and your pager are inoperable, report to your assigned facility."

ERO members are trained on this guidance in initial web-based ERO training, in annual web-based emergency response facility training and in annual ERO Command and Control re-qualification training.

Staffing

NRC Requested Information – Enclosure 5

Request No. 4. **Identify the methods of access (e.g. roadways, navigable bodies of water and dockage, airlift, etc.) to the site that are expected to be available after a widespread large scale natural event.**

NextEra Energy Seabrook Response

Seabrook Station is located on a 900 acre tract of land on the western shore of Hampton Harbor in Rockingham County, near the northern border of the Town of Seabrook, New Hampshire (NH). The station is served by two, 2-lane access roads (North Access Road and South Access Road) that run east from US Route 1 for about 1 mile into the site. US Route 1 is a major north-south roadway that is situated approximately 0.6 of a mile west of the plant. Interstate-95 is a six lane north-south highway that lies about 1.5 miles west of the plant. Directly west of Seabrook Station, Interstate-95 and US Route 1 are connected by NH Route 107, a 2-lane east-west roadway with its eastern terminus at US Route 1, directly across US Route 1 from the Seabrook Station Main (South) Access Road. NextEra Energy Seabrook personnel normally approach the station via one of the following routes:

- North or south on US Route 1 to either the North or South Access Road into the site.
- North or south on I-95, then on to NH 107 east directly onto the South Access Road into the site.
- East on NH 107 from communities west of I-95 directly onto the South Access Road into the site.

The western edge of Hampton Harbor in the vicinity of Seabrook Station is not navigable and does not provide access to the site via water.

NextEra Energy Seabrook maintains heavy machinery capable of clearing the site access roads of debris and heavy snow for credible events that have the potential to impede access to the site and sufficient qualified personnel for operation of the available heavy equipment. For heavy snow storms, NextEra Energy Seabrook Maintenance assigns priority to clearing the main access road (South Access Road) into the site. The main access road is generally cleared within one hour following termination of a heavy snow event.

NH Department of Transportation (DOT) and the NH Bureau of Turnpikes maintain road clearance equipment at facilities adjacent to I-95 at the Hampton Toll Plaza (about 5 miles from Seabrook Station) and at NH DOT District 6 facilities located in five nearby towns. NH assigns priority for ice/snow clearance to roadways based on traffic volume. I-95 is assigned the highest priority (1A). Interstate highways only are assigned the 1A priority. US Route 1 and NH Route 107 are assigned the next highest priority (1B).

The site access roads are situated above the design basis flood of 20.6 feet above mean sea level. They would not be expected to be impeded by tidal surge flooding. One portion of US Route 1, approximately 2 miles north of the Seabrook Station North Access Road, is subject to tidal flooding. Personnel approaching the station from the north via US Route 1 can readily double back to I-95 via NH Route 101 (1B priority for snow/ice clearance) to proceed to the station if they encounter US Route 1 flooding.

The most credible impediments to site access via the site access roads would be heavy snow or fallen trees, limbs and other debris due to high winds. NextEra Energy Seabrook has sufficient machinery and qualified operators to remove these impediments from the access roads to allow access by NextEra Energy Seabrook emergency responders. It has been the practice of NextEra Energy Seabrook management to pre-stage ERO personnel at local accommodations within 1-2 miles of the station in anticipation of severe weather conditions that have the potential to impede access to the site. Once the access roads are clear, it would be expected that NextEra Energy Seabrook ERO personnel would use their personal vehicles to access the site. There are also vehicles available onsite to shuttle ERO personnel from nearby accommodations to the plant if necessary.

Staffing

NRC Requested Information – Enclosure 5

Request No. 5. **Identify any interim actions that have been taken or are planned prior to the completion of the staffing assessment.**

NextEra Energy Seabrook Response

NextEra Energy Seabrook has not identified any interim actions related to ERO staffing prior to completion of the staffing assessment.