



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

September 2, 2010

Mr. Paul Freeman
Site Vice President
c/o Michael O'Keefe
Seabrook Station
NextEra Energy Seabrook, LLC
P.O. Box 300
Seabrook, NH 03874

SUBJECT: SEABROOK STATION, UNIT NO. 1 - ISSUANCE OF AMENDMENT RE:
OPERATIONS MANAGER QUALIFICATION REQUIREMENTS
(TAC NO. ME3585)

Dear Mr. Freeman:

The Commission has issued the enclosed Amendment No. 124 to Facility Operating License No. NPF-86 for the Seabrook Station, Unit No. 1 (Seabrook). This amendment consists of changes to the Technical Specifications (TSs) in response to your application dated March 16, 2010, as supplemented by letter dated July 9, 2010. The letter dated July 9, 2010, provided additional information and did not change the scope of the amendment request as originally noticed.

The amendment revises the Seabrook TSs requirements regarding qualification of the Operations Manager position. Specifically, the change revises the requirement that the Operations Manager have held a senior reactor operator license for Seabrook to a requirement that the Operations Manager meet one of the following: (1) hold a senior operator license; (2) have held a senior operator license for a similar unit; or (3) have been certified for equivalent senior operator knowledge.

A copy of our safety evaluation is also enclosed. Notice of Issuance will be included in the Commission's biweekly *Federal Register* notice.

Sincerely,

A handwritten signature in black ink, appearing to read "G. Edward Miller".

G. Edward Miller, Project Manager
Plant Licensing Branch I-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-443

Enclosures:

1. Amendment No.124 to NPF-86
2. Safety Evaluation

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

NEXTERA ENERGY SEABROOK, LLC, ET AL.*

DOCKET NO. 50-443

SEABROOK STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No.124
License No. NPF-86

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment filed by NextEra Energy Seabrook, LLC, et al., (the licensee) dated March 16, 2010, as supplemented by letter dated July 9, 2010, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance: (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

*NextEra Energy Seabrook, LLC is authorized to act as agent for the: Hudson Light & Power Department, Massachusetts Municipal Wholesale Electric Company, and Taunton Municipal Light Plant and has exclusive responsibility and control over the physical construction, operation and maintenance of the facility.

2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. NPF-86 is hereby amended to read as follows:

- (2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 124 and the Environmental Protection Plan contained in Appendix B are incorporated into the Facility License No. NPF-86. NextEra Energy Seabrook, LLC shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. This license amendment is effective as of its date of issuance and shall be implemented within 60 days.

FOR THE NUCLEAR REGULATORY COMMISSION

Peter Bamford for

Harold K. Chernoff, Chief
Plant Licensing Branch I-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Attachment: Changes to the License and
Technical Specifications

Date of Issuance: September 2, 2010

ATTACHMENT TO LICENSE AMENDMENT NO. 124

FACILITY OPERATING LICENSE NO. NPF-86

DOCKET NO. 50-443

Replace the following page of Facility Operating License No. NPF-86 with the attached revised page. The revised page is identified by amendment number and contains a marginal line indicating the area of change.

Remove
3

Insert
3

Replace the following pages of the Appendix A, Technical Specifications, with the attached revised page as indicated. The revised page is identified by amendment number and contains marginal lines indicating the areas of change.

Remove
6-2

Insert
6-2

- (4) NextEra Energy Seabrook, LLC, pursuant to the Act and 10 CFR 30, 40, and 70, to receive, possess, and use at any time any byproduct, source, and special nuclear material as sealed neutron sources for reactor startup, sealed sources for reactor instrumentation and radiation monitoring equipment calibration, and as fission detectors in amounts as required;
- (5) NextEra Energy Seabrook, LLC, pursuant to the Act and 10 CFR 30, 40, and 70, to receive, possess, and use in amounts as required any byproduct, source, or special nuclear material without restriction to chemical or physical form, for sample analysis or instrument calibration or associated with radioactive apparatus or components;
- (6) NextEra Energy Seabrook, LLC, pursuant to the Act and 10 CFR 30, 40, and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the facility authorized herein; and
- (7) DELETED

C. This license shall be deemed to contain and is subject to the conditions specified in the Commission's regulations set forth in 10 CFR Chapter I and is subject to all applicable provisions of the Act and to the rules, regulations, and orders of the Commission now or hereafter in effect; is subject to the additional conditions specified or incorporated below:

(1) Maximum Power Level

NextEra Energy Seabrook, LLC, is authorized to operate the facility at reactor core power levels not in excess of 3648 megawatts thermal (100% of rated power).

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No.124 *, and the Environmental Protection Plan contained in Appendix B are incorporated into the Facility License No. NPF-86. NextEra Energy Seabrook, LLC shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

(3) License Transfer to FPL Energy Seabrook, LLC**

- a. On the closing date(s) of the transfer of any ownership interests in Seabrook Station covered by the Order approving the transfer, FPL Energy Seabrook, LLC**, shall obtain from each respective transferring owner all of the accumulated decommissioning trust funds for the facility, and ensure the deposit of such funds and additional funds, if necessary, into a decommissioning trust or trusts for Seabrook Station established by FPL Energy Seabrook, LLC**, such that the amount of such funds deposited meets or exceeds the amount required under 10 CFR 50.75 with respect to the interest in Seabrook Station FPL Energy Seabrook, LLC**, acquires on such dates(s).

* Implemented

** On April 16, 2009, the name "FPL Energy Seabrook, LLC" was changed to "NextEra Energy Seabrook, LLC".

6.2.2 STATION STAFF

- a. Each on-duty shift shall be composed of at least the minimum shift crew composition shown in Table 6.2-1;
- b. At least one licensed Operator shall be in the control room when fuel is in the reactor. In addition, while the unit is in MODE 1, 2, 3, or 4, at least one licensed Senior Operator shall be in the control room;
- c. A Health Physics Technician* shall be on site when fuel is in the reactor;
- d. All CORE ALTERATIONS shall be observed and directly supervised by either a licensed Senior Operator or licensed Senior Operator Limited to Fuel Handling who has no other concurrent responsibilities during this operation; and
- e. Deleted
- f. The Operations Manager shall meet one of the following:
 - 1. Hold a senior operator license,
 - 2. Have held a senior operator license on a similar unit (PWR), or
 - 3. Have been certified for equivalent senior operator knowledge.
- g. The Assistant Operations Manager shall hold a senior reactor operator license.

*The Health Physics Technician may be less than the minimum requirements for a period of time not to exceed 2 hours, in order to accommodate unexpected absence, provided immediate action is taken to fill the required positions.



UNITED STATES
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SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 124

TO FACILITY OPERATING LICENSE NO. NPF-86

SEABROOK STATION, UNIT NO. 1

DOCKET NO. 50-443

1.0 INTRODUCTION

By letter dated March 16, 2010 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML100810098), as supplemented by letter dated July 9, 2010 (ADAMS Accession No. ML101960051), NextEra Energy Seabrook, LLC (NextEra or the licensee) submitted license amendment request (LAR) LAR 10-01 to revise the technical specifications (TSs) of Seabrook Station, Unit No. 1 (Seabrook). The amendment would revise the Seabrook TSs requirements regarding qualification of the Operations Manager position. Specifically, the change would revise the requirement that the Operations Manager have held a senior reactor operator (SRO) license for Seabrook to a requirement that the Operations Manager meet one of the following: (1) hold a senior operator license; (2) have held a senior operator license for a similar unit; or (3) have been certified for equivalent senior operator knowledge.

The July 9, 2010, letter provided additional information that clarified the application, did not expand the scope of the application as originally noticed, and did not change the staff's original proposed no significant hazards consideration determination as published in the *Federal Register* on May 4, 2010 (75 FR 23816).

2.0 REGULATORY EVALUATION

10 CFR 50.36 requires that each licensee operate in accordance with plant TSs. 10 CFR 50.36(c) specifies that the TS will include a section on Administrative Controls. The Administrative Controls provide provisions relating to organization and management, procedures, recordkeeping, review and audit, and reporting necessary to assure operation of the facility in a safe manner. At Seabrook Station, Administrative Controls are located in Section 6.0 of the TS. Specifically, Section 6.2.2, "Station Staff," provides the requirements that must be met to fill the positions of Operations Manager and Assistant Operations Manager.

10 CFR 50.54(!) requires, in part, that the licensee "...designate individuals to be responsible for directing the licensed activities of licensed operators. These individuals shall be licensed as

senior operators pursuant to part 55 of this chapter.” The licensee currently meets this requirement with the Assistant Operations Manager, who directs the activities of the Shift Managers (licensed senior operators) and is required by TS Section 6.2.2.g to hold a senior operator license. The Assistant Operations Manager reports directly to the Operations Manager who in turn reports to the Plant General Manager. The Plant General Manager is responsible for the safety and operation of the facility. The Operations Manager is currently required by TS Section 6.2.2.f to have held a senior operator license for Seabrook prior to assuming the Operations Manager position which does not meet the requirements specified in 10 CFR 50.54(l) if the license is not current. However, the Operations Manager may meet the 10 CFR 50.54(l) requirement if they hold a current senior operator license for Seabrook.

3.0 TECHNICAL EVALUATION

3.1 Proposed Changes to the TSs

NextEra has proposed to replace the current requirement of TS 6.2.2.f of:

The Operations Manager shall have held a Senior Reactor Operator license for Seabrook Station prior to assuming the Operations Manager position.

With the following requirement:

The Operations Manager shall meet one of the following:

1. Hold a senior operator license,
2. Have held a senior operator license on a similar unit (PWR), or
3. Have been certified for equivalent senior operator knowledge.

3.2 Technical Evaluation

The Administrative Control section of the TS for Seabrook currently provides the requirements for station staff that relate to the organization and management as specified in 10 CFR 50.36(c). Section 6.2.2.f currently specifies that the Operations Manager must have held an SRO license for Seabrook Station prior to assuming the Operations Manager position. The proposed change will revise the Operations Manager requirement to meet one of the following: 1) hold a senior operator license, 2) have held a senior operator license on a similar unit (PWR), or 3) have been certified for equivalent senior operator knowledge. This change is consistent with ANSI/ANS-3.1-1993, “Selection, Qualification, and Training of Personnel for Nuclear Power Plants,” Section 4.2.2, Special Requirements (1)(a), (b) and (c) which was endorsed by Regulatory Guide 1.8, Revision 3, “Qualification and Training of Personnel for Nuclear Power Plants.” Additionally, ANSI/ANS-3.1-1993 specifies that if the Operations Manager doesn’t hold a senior operator license then the Operations Middle Manager (equivalent to the Assistant Operations Manager for Seabrook Station) will hold a senior operator license. TS Section 6.2.2.g will continue to require that the Assistant Operations Manager hold a senior operator license.

Although Seabrook Station is not committed to ANSI/ANS-3.1-1993; they will meet the Special Requirements for the Operations Manager as specified in this standard based on their revised TS Section 6.2.2.f and the existing TS Section 6.2.2.g. Therefore, the proposed changes to TS Section 6.2.2.f are consistent with RG 1.8, Revision 3.

The current Seabrook Station TS Section 6.2.2.f only requires the Operations Manager to have held an SRO license for Seabrook Station prior to assuming the Operations Manager position. If the Seabrook Station senior operator license is not current then this would not allow the Operations Manager to meet the 10 CFR 50.54(l) requirement for directing the licensed activities of licensed operators since 10 CFR 50.54(l) also requires that individual to be a licensed senior operator. In this case, the Assistant Operations Manager will meet this requirement based on TS Section 6.2.2.g which requires the Assistant Operations Manager to hold a senior operator license. The proposed change provides an allowance for the Operations Manager to hold a senior operator license and if this option is used then the Operations Manager would meet the requirements of 10 CFR 50.54(l). Additionally, the proposed change provides an option to have held a senior operator license on a similar unit (PWR) or have been certified for equivalent senior operator knowledge. These options would not meet the 10 CFR 50.54(l) requirement for the Operations Manager, however, as discussed above, the Assistant Operations Manager would meet this requirement. In all cases, the proposed change does not affect Seabrook Station's ability or responsibility to meet the requirement of 10 CFR 50.54(l).

Seabrook Station's submittal stated that "The Operations Manager is responsible for the safety and operation of Seabrook Station's equipment in accordance with written and approved station procedures, and he supervises the Assistant Operations Manager. The Assistant Operations Manager directs the activities of the Shift Managers (NRC licensed senior operators)." Since the Assistant Operations Manager directs the activities of the Shift Managers then the Operations Manager can perform higher level duties such as the management of the planning and coordinating of the operating activities with more general senior operator knowledge. The proposed change provides additional alternatives for the Operations Manager to meet experience requirements yet still retains the required senior operator knowledge for a manager level individual. Additionally, in response to a request for additional information, NextEra stated that administrative controls are in place to prevent unlicensed personnel from directing the licensed activities of licensed operators including the situation where the Assistant Operations Manager is unexpectedly unable to perform his duties. Given that the proposed change is consistent with RG 1.8, Revision 3 and will continue to meet 10 CFR 50.54(l), the NRC staff finds the proposed change to be acceptable.

4.0 STATE CONSULTATION

In accordance with the Commission's regulations, the New Hampshire and Massachusetts State officials were notified of the proposed issuance of the amendment. The State officials provided no comments.

5.0 ENVIRONMENTAL CONSIDERATION

The amendment changes a requirement with respect to the installation or use of facility components located within the restricted area as defined in 10 CFR Part 20. The NRC staff has determined that the amendment involves no significant increase in the amounts and no significant change in the types of any effluents that may be released offsite and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that the amendment involves no significant hazards consideration, and there has been no public comment on such finding (75 FR 23816). Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9) and (10). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendments.

6.0 CONCLUSION

The Commission has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner; (2) such activities will be conducted in compliance with the Commission's regulations; and (3) the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributors: T. Kolb
G. Lapinsky

Date: September 2, 2010

September 2, 2010

Mr. Paul Freeman
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Seabrook, NH 03874

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(TAC NO. ME3585)

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A copy of our safety evaluation is also enclosed. Notice of Issuance will be included in the Commission's biweekly *Federal Register* notice.

Sincerely,
/ra/

G. Edward Miller, Project Manager
Plant Licensing Branch I-2
Division of Operating Reactor Licensing
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Docket No. 50-443

Enclosures:

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*SE input

OFFICE	LPL1-2/PM	LPL1-2/LA	IOLB/BC	IHPB/BC	OGC (NLO w/comment)	LPL1-2/BC
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DATE	8/16/10	8/16/10	7/8/10	8/4/10	8/17/10	9/2/10