



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

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE, ET AL.*

NORTH ATLANTIC ENERGY SERVICE COMPANY

DOCKET NO. 50-443

SEABROOK STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 10
License No. NPF-86

1. The Nuclear Regulatory Commission (the Commission or the NRC) has found that:
 - A. The application for amendment filed by the Public Service Company of New Hampshire (the licensee), acting for itself and as agent and representative of the 11 other utilities listed below and hereafter referred to as licensees, dated November 13, 1990 and supplemented by letters dated January 15, 1991, January 22, 1991, April 9, 1991, June 12, 1991, and September 16, 1991, 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 set forth in 10 CFR Chapter I;
 - 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

*Public Service Company of New Hampshire was authorized to act as agent for the: Canal Electric Company, The Connecticut Light and Power Company, EUA Power Corporation, Hudson Light & Power Department, Massachusetts Municipal Wholesale Electric Company, Montaup Electric Company, New England Power Company, New Hampshire Electric Cooperative, Inc., Taunton Municipal Light Plant, The United Illuminating Company, and Vermont Electric Generation and Transmission Cooperative, Inc., and has exclusive responsibility and control over the physical construction, operation and maintenance of the facility. By this amendment the North Atlantic Energy Service Co. will become that agent.

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- 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.
2. Accordingly, Facility Operating License No. NPF-86 is hereby amended to read as follows:*
- a) The Title on page 1 of the license shall read:
North Atlantic Energy Service Co. et al.*
Docket No. 50-443
Seabrook Station, Unit No. 1
Facility Operating License
 - b) Paragraph 1.A of the license shall read:
The application for a license filed by the Public Service Company of New Hampshire, acting for itself and as agent and representative of the utilities listed in the footnote below, and for the North Atlantic Energy Service Company (NAESCO), all of whom are hereafter referred to as licensees, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations set forth in 10 CFR Chapter I; and all required notifications to other agencies or bodies have been duly made;
 - c) Paragraph 1.E of the license shall read:
"North Atlantic Energy Service Company is technically qualified to engage in the activities authorized by this license in accordance with the Commission's regulations set forth in 10 CFR Chapter I;"
 - d) The footnote on page 1 of the license shall read:
"North Atlantic Energy Service Company (NAESCO) is authorized to act as agent for the: Public Service Company of New Hampshire, Canal Electric Company, The Connecticut Light and Power Company, EUA Power Corporation, Hudson Light & Power Department, Massachusetts Municipal Wholesale Electric Company, Montaup Electric Company, New England Power Company, New Hampshire Electric Cooperative, Inc., Taunton Municipal Light Plant, The United Illuminating Company, and Vermont Electric Generation and Transmission Cooperative, Inc., and has exclusive responsibility and control over the physical construction, operation and maintenance of the facility."

*Pages 1, 2, 3, 3a, 3b, 4, 5 and 6 are attached, for convenience, for the composite license to reflect these changes. Please remove pages 1, 2, 3, 3a, 4, 5 and 6 of the existing license and replace with the attached pages.

- e) Paragraph 2 shall read as follows:

"Based on the foregoing findings and the Commission's Memorandum and Order, CLI-90-03, (dated March 1, 1990), Facility Operating License NPF-86, issued to the licensees, is hereby amended to read as follows:"

- f) Paragraph 2.B.(1) shall be modified by substituting "North Atlantic Energy Service Company" ("NAESCO") for "Public Service Company of New Hampshire" ("PSNH").
- g) Paragraphs 2.B.(3), 2.B.(4), 2.B.(5), 2.B.(6), 2.C.(1), 2.C.(2) and 2.C.(3) shall each be modified by substituting "NAESCO" for "PSNH".
- h) Paragraph 2.C.(4) shall be added as a new condition. Paragraph 2.C.(4) reads as follows:

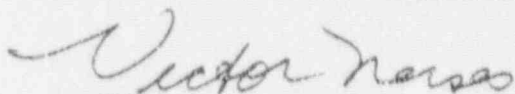
(4) Transfer of Managing Authority

- (a) For a period of three years from the date of issuance of the NRC license amendment approving the transfer of management authority to NAESCO, the licensee shall inform the Director, NRR, at least 60 days in advance, of any change in the senior site official for the Seabrook facility, or in the principal duties of such official, unless such change is due to unforeseen circumstances. In such circumstances, the licensee shall inform the Director, NRR, of such change as soon as it can reasonably do so.
- (b) For a period of three years from the date of issuance of the NRC license amendment approving the transfer of management authority to NAESCO, the Joint Owners shall provide to the Director, NRR, promptly any report of the Oversight Committee or any report of the Operator or of any contractor or consultant which has been provided to the Joint Owners relating to: plant design, equipment or personnel performance or plant operations that could have potentially adverse effects on facility safety; any substantive programmatic or procedural changes to the employee concerns program; any allegation of employee harassment, intimidation or discrimination; changes to any compensation incentive program which could have potentially adverse effects on facility safety; and any changes to the annual operations and maintenance and capital expenditure budgets. These reporting requirements are in addition to other requirements of NRC regulations.

- (c) The oversight reports in 2.C.(4)(b) shall be followed promptly by a report to the Director, NRR, by the Operator, reflecting the Operator's assessment of such report and proposed corrective action, if any. Submission of the Operator's assessment and proposed corrective action shall not delay submission of the report called for by license condition 2.C.(4)(b). A review and assessment of the Operator's report by the Joint Owners shall be provided to the Director, NRR, together with any corrective actions and disposition of the Operator's report.
 - (d) For a period of three years from the date of issuance of the NRC license amendment approving the transfer of management authority to NAESCO, the licensee shall inform the Director, NRR, of any changes to certain sections of the Joint Ownership Agreement and the Managing Agent Operating Agreement. These sections are: Sections 3.c, 7.a, 7.e, 8, 10, 11 and 16.b, as described in Appendix 1 of the Settlement Agreement dated as of July 19, 1990 between Northeast Utilities Service Company and New England Power Company.
 - i) Paragraph 2.D., 2.E., 2.F. and 2.G. shall each be modified by substituting "NAESCO" for "PSNH" wherever the latter appears.
 - j) Paragraph 2.I shall be renumbered as 2.J and a new condition is added as 2.I.
 - k) The final page of the license shall be marked "Revised: May 29, 1992."
- I. Marketing of Energy (Amendment No. 10, Section 3.0 of SER)
- NAESCO is prohibited from marketing or brokering power or energy from the plant. In addition, all licensees other than NAESCO are responsible and accountable for the actions of their agent to the extent said agent's actions effect the marketing or brokering of power and energy from Seabrook Station, Unit No. 1.

3. This license amendment is effective as of its date of issuance, and shall be implemented within 180 days.

FOR THE NUCLEAR REGULATORY COMMISSION



Victor Nerses, Acting Director
Project Directorate 1-3
Division of Reactor Projects - 1/II
Office of Nuclear Reactor Regulation

Attachment:

Pages 1, 2, 3, 3a, 3b, 4, 5
and 6 of Facility Operating License NPF-86

Date of Issuance: May 29, 1992

ATTACHMENT TO LICENSE AMENDMENT NO. 10
TO FACILITY OPERATING LICENSE NO. NPF-86
DOCKET NO. 50-443

Replace the following pages of the License with the attached pages. The revised pages contain vertical lines indicating the areas of change.

Remove Pages

1

2

3

3a

4

5

6

Insert Pages

1

2

3

3a

3b

4

5

6



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

NORTH ATLANTIC ENERGY SERVICE COMPANY, ET AL.*

DOCKET NO. 50-413

SEABROOK STATION, UNIT NO. 1

FACILITY OPERATING LICENSE

License No. NPF-86

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for a license filed by the Public Service Company of New Hampshire, acting for itself and as agent and representative of the utilities listed in the footnote below, and for the North Atlantic Energy Service Company (NAESCO), all of whom are hereafter referred to as licensees, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations set forth in 10 CFR Chapter I; and all required notifications to other agencies or bodies have been duly made;
 - B. Construction of the Seabrook Station, Unit No. 1 (the facility) has been substantially completed in conformity with Construction Permit No. CPPR-135 and the application, as amended, the provisions of the Act, and the regulations of the Commission;
 - C. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the regulations of the Commission (except as exempted from compliance in Section 2.D below);
 - D. There is reasonable assurance: (i) that the activities authorized by this operating license 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 set forth in 10 CFR Chapter I (except as exempted from compliance in Section 2.D below);

*North Atlantic Energy Service Company (NAESCO) is authorized to act as agent for the: Public Service Company of New Hampshire, Canal Electric Company, The Connecticut Light and Power Company, EUA Power Corporation, Hudson Light & Power Department, Massachusetts Municipal Wholesale Electric Company, Montaup Electric Company, New England Power Company, New Hampshire Electric Cooperative, Inc., Taunton Municipal Light Plant, The United Illuminating Company, and Vermont Electric Generation and Transmission Cooperative, Inc., and has exclusive responsibility and control over the physical construction, operation and maintenance of the facility.

- E. North Atlantic Energy Service Company is technically qualified to engage in the activities authorized by this license in accordance with the Commission's regulations set forth in 10 CFR Chapter I;
 - F. The licensees have satisfied the applicable provisions of 10 CFR 140, "Financial Protection Requirements and Indemnity Agreements," of the Commission's regulations;
 - G. The issuance of this license will not be inimical to the common defense and security or to the health and safety of the public;
 - H. After weighing the environmental, economical, technical, and other benefits of the facility against environmental and other costs and considering available alternatives, the issuance of Facility Operating License No. NPF-86 subject to the condition for protection of the environment set forth in the Environmental Protection Plan attached as Appendix B, is in accordance with 10 CFR 51 of the Commission's regulations and all applicable requirements have been satisfied; and
 - I. The receipt, possession and use of source, byproduct, and special nuclear material as authorized by this license will be in accordance with the Commission's regulations in 10 CFR 30, 40, and 70.
2. Based on the foregoing findings and the Commission's Memorandum and Order, CLI-90-03 (March 1, 1990), Facility Operating License No. NPF-67 is superseded by Facility Operating License No. NPF-86, issued to the licensees. is hereby amended to read as follows:
- A. This license applies to the Seabrook Station, Unit 1, a pressurized water nuclear reactor and associated equipment (the facility), owned by the licensees. The facility is located in Seabrook Township, Rockingham County, on the southeast coast of the State of New Hampshire, and is described in the licensees' "Final Safety Analysis Report," as supplemented and amended, and in the licensees' Environmental Report, as supplemented and amended.
 - B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses:
 - (1) North Atlantic Energy Service Company (NAESCO), pursuant to Section 103 of the Act and 10 CFR 50, to possess, use and operate the facility at the designated location in Rockingham County, New Hampshire, in accordance with the procedures and limitations set forth in this license;
 - (2) The licensees to possess the facility at the designated location in Rockingham County, New Hampshire, in accordance with the procedures and limitations set forth in this license;

- (3) NAESCO, pursuant to the Act and 10 CFR 70, to receive, possess, and use at any time special nuclear material as reactor fuel, in accordance with the limitations for storage and amounts required for reactor operation, as described in the Final Safety Analysis Report, as supplemented and amended;
- (4) NAESCO, 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) NAESCO, 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) NAESCO, 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) The United Illuminating Company (UI) is authorized to transfer any portion of its 17.5% interest in Seabrook Station, Unit 1 and rights with respect to its interest in the Seabrook common facilities (up to and inclusive of \$250 million of aggregate appraised value) to certain equity investors and at the same time to lease back from such purchasers such interests and rights transferred in the Seabrook Station, Unit 1 facility. The expected initial term of the lease is for approximately 32 years, subject to the rights of renewal. Such sale and leaseback transactions are subject to the condition that lessors and anyone else who may acquire an interest under these transactions are prohibited from exercising directly or indirectly any control over (i) Seabrook Station, Unit 1, (ii) power and energy produced by Seabrook Station, Unit 1, or (iii) the licensees of Seabrook Station, Unit 1. Further, any rights acquired under this authorization may be exercised only in compliance with and subject to the requirements and restrictions of this operating license, the Atomic Energy Act of 1954, as amended, and the Commission's regulations. For purposes of this condition the limitations in 10 CFR 50.81, as now in effect and as may be subsequently amended, are fully applicable to the lessor and any successor in interest to that lessor as long as the license for Seabrook Station, Unit 1 remains in effect.

Further, the licensees are also required to notify the NRC in writing prior to any change in: (i) the terms or conditions of any lease agreements executed as part of these transactions; (ii) the Seabrook Operating Agreement, or (iii) the existing property insurance coverage for Seabrook Station, Unit 1. In addition, the licensees are required to notify the NRC of any action by a lessor or others that may have an effect on the safe operation of the facility.

20. 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 1 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; and is subject to the additional conditions specified or incorporated below:

(1) Maximum Power Level

NAESCO is authorized to operate the facility at reactor core power levels not in excess of 3411 megawatts thermal (100% of rated power).

(2) Technical Specifications

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

(3) Human Factors Engineering (Section 18, SSFR 7)*

Before startup following the first refueling outage, NAESCO shall resolve the following remaining Safety Parameter Display Systems issues:

- (a) Perform system availability calculations including Reactor Vessel Level Indication System and Radiation Data Management System and provide a report to the staff.
- (b) Perform system load test under heavily loaded plant conditions and provide a report of the evaluation to the staff.

*The parenthetical notation denotes the section of the Safety Evaluation Report (SER) and/or its supplements (SSER) wherein the license condition is discussed.

(4) Transfer of Managing Authority

- (a) For a period of three years from the date of issuance of the NRC license amendment approving the transfer of management authority to NAESCO, the licensee shall inform the Director, NRR, at least 60 days in advance, of any change in the senior site official for the Seabrook facility, or in the principal duties of such official, unless such change is due to unforeseen circumstances. In such circumstances, the licensee shall inform the Director, NRR, of such change as soon as it can reasonably do so.
- (b) For a period of three years from the date of issuance of the NRC license amendment approving the transfer of management authority to NAESCO, the Joint Owners shall provide to the Director, NRR, promptly any report of the Oversight Committee or any report of the Operator or of any contractor or consultant which has been provided to the Joint Owners relating to: plant design, equipment or personnel performance or plant operations that could have potentially adverse effects on facility safety; any substantive programmatic or procedural changes to the employee concerns program; any allegation of employee harassment, intimidation or discrimination; changes to any compensation incentive program which could have potentially adverse effects on facility safety; and any changes to the annual operations and maintenance and capital expenditure budgets. These reporting requirements are in addition to other requirements of NRC regulations.
- (c) The oversight reports in 2.C.(4)(b) shall be followed promptly by a report to the Director, NRR, by the Operator, reflecting the Operator's assessment of such report and proposed corrective action, if any. Submission of the Operator's assessment and proposed corrective action shall not delay submission of the report called for by license condition 2.C.(4)(b). A review and assessment of the Operator's report by the Joint Owners shall be provided to the Director, NRR, together with any corrective actions and disposition of the Operator's report.
- (d) For a period of three years from the date of issuance of the NRC license amendment approving the transfer of management authority to NAESCO, the licensee shall

inform the Director, NRR, of any changes to certain sections of the Joint Ownership Agreement and the Managing Agent Operating Agreement. These sections are: Sections 3.c, 7.a, 7.e, 8, 10, 11 and 16.b, as described in Appendix 1 of the Settlement Agreement dated as of July 19, 1990 between Northeast Utilities Service Company and New England Power Company.

D. Exemptions

NAESCO is exempted from the Section III.D.2(b)(ii) containment airlock testing requirements of Appendix J to 10 CFR 50, because of the special circumstances described in Section 6.2.6 of SER Supplement 5 and authorized by 10 CFR 50.12(a)(2)(ii) and (iii) (51 FR 37684 October 23, 1986).

NRC Materials License No. SNM-1963, issued December 19, 1985, granted an exemption pursuant to 10 CFR 70.24 with respect to requirements for criticality alarms. NAESCO is hereby exempted from provisions of 10 CFR 70.24 insofar as this section applies to the storage and handling of new fuel assemblies in the new fuel storage vault, spent fuel pool (when dry), and shipping containers.

These exemptions, authorized by law, will not present an undue risk to the public health and safety and are consistent with the common defense and security. These exemptions are hereby granted pursuant to 10 CFR 50.12. With the granting of these exemptions, the facility will operate, to the extent authorized herein, in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission.

E. Physical Security

NAESCO shall fully implement and maintain in effect all provisions of the physical security, guard training and qualification, and safeguards contingency plans, previously approved by the Commission and all amendments and revisions to such plans made pursuant to the authority of 10 CFR 50.90 and 10 CFR 50.54(p) including amendments and revisions made pursuant to provisions of the Miscellaneous Amendments and Search F requirements of 10 CFR 73.55. The plans which contain Safeguards Information protected under 10 CFR 73.21, are entitled: "Seabrook Station Physical Security Plan," with revisions submitted through June 9, 1988; "Seabrook Station Security Training and Qualification Plan," with revisions submitted through November 4, 1987; and "Seabrook Station Safeguards Contingency Plan," with revisions submitted through May 19, 1987. Changes made in accordance with 10 CFR 73.55 shall be implemented in accordance with the schedule set forth therein.

F. Fire Protection

NAESCO shall implement and maintain in effect all provisions of the approved fire protection program as described in the Final Safety Analysis Report, the Fire Protection Program Report, and the Fire Protection of Safe Shutdown Capability Report for the facility, as supplemented and amended, and as approved in the Safety Evaluation Report, dated March 1983; Supplement 4, dated May 1986; Supplement 5, dated June 1986; Supplement 6, dated October 1986; Supplement 7, dated October 1987; and Supplement 8, dated May 1989 subject to the following provisions: NAESCO may make changes to the approved fire protection program without prior approval of the Commission only if those changes would not adversely affect the ability to achieve and maintain shutdown in the event of a fire.

G. Reporting to the Commission

Except as otherwise provided in the Technical Specifications or Environmental Protection Plan, NAESCO shall report any violations of the requirements contained in Section 2.C of this license in the following manner: Initial notification shall be made within 24 hours to the NRC Operations Center via the Emergency Notification System, with written follow-up within 30 days in accordance with the procedures described in 10 CFR Part 50.73(b), (c), and (e).

H. Financial Protection

The licensees shall have and maintain financial protection of such type and in such amounts as the Commission shall require in accordance with Section 170 of the Atomic Energy Act of 1954, as amended, to cover public liability claims.

I. Marketing of Energy (Amendment No. 10, Section 3.0 of SER)

NAESCO is prohibited from marketing or brokering power or energy from the plant. In addition, all licensees other than NAESCO are responsible and accountable for the actions of their agent to the extent said agent's actions effect the marketing or brokering of power and energy from Seabrook Station, Unit 1.

J. Effective Date and Expiration

This license is effective as the date of issuance and shall expire at midnight on October 17, 2026.

FOR THE NUCLEAR REGULATORY COMMISSION

Thomas E. Murley, Director
Office of Nuclear Reactor Regulation

Attachments/Appendices:

1. Appendix A - Technical Specifications (NUREG-1386)
2. Appendix B - Environmental Protection Plan

Date of Issuance: MAR 15 1990

Revised: May 29, 1992