

MAR 15 1990

Mr. Edward A. Brown
President and Chief Executive Officer
New Hampshire Yankee Division
Public Service Company of New Hampshire
Post Office Box 300
Seabrook, New Hampshire 03874

Dear Mr. Brown:

SUBJECT: ISSUANCE OF FACILITY OPERATING LICENSE NPF-86 - SEABROOK STATION,
UNIT NO. 1

The U. S. Nuclear Regulatory Commission (NRC) has issued the enclosed Facility Operating License NPF-86, together with the Technical Specifications and the Environmental Protection Plan for the Seabrook Station, Unit No. 1. License No. NPF-86 authorizes operation of Seabrook Station, Unit No. 1 to power levels not in excess of 3411 megawatts thermal (100 percent rated power).

The technical basis for the license is included in the Safety Evaluation Report related to the Operation of Seabrook Station Units 1 and 2 (NUREG-0896) and Supplements 1 through 9. Supplement No. 9 (SSER 9) is enclosed. All previously open issues have been reviewed by the staff. All these open issues have been satisfactorily resolved.

Enclosed is a copy of a related notice, the original of which has been forwarded to the Office of the Federal Register for publication.

Thirteen copies of Amendment No. 4 to Indemnity Agreement No. B-106 which covers the activities authorized under License No. NPF-86 are also enclosed. Please return one signed copy to this office.

Sincerely,

151
Steven A. Varga, Director
Division of Reactor Projects I/II
Office of Nuclear Reactor Regulation

Enclosures:

- 1. Facility Operating License No. NPF-86
- 2. Federal Register Notice
- 3. Amendment No. 4 to Indemnity Agreement No. B-106
- 4. Safety Evaluation Report, Supplement 9

cc w/enclosures: See next page

PD/3 MRushbrook 3/13/90	PD/3 Vverses 3/13/90	PTSB EMckenna 3/13/90	OGC JRutberg 3/13/90	OGC LChandler 1/190	DCR/PDI-3 RWessman 3/14/90	D/RA/II BBoger 3/14/90
PMAS FGillespie 1/190	D/RA/II SVarga 3/14/90	NRR:ADT FMiraglia 1/190	ADP JPattlow 1/190	DDONRR JSniezek 1/190	DDONRR TMurley 3/15/90	

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Document Name: SEABROOK LICENSE NPE86

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MAR 15 1990

MEMORANDUM FOR: James M. Taylor
 Executive Director for Operations

FROM: Thomas E. Murley, Director
 Office of Nuclear Reactor Regulation

SUBJECT: SEABROOK FULL POWER LICENSE

At the Congressional Hearing on March 14, 1990, testimony was given to the effect that information contained in certain INPO reports raised new issues concerning the readiness of Seabrook for full power operation.

In anticipation of executing the full power license, I requested the licensee to provide me with information concerning the referenced INPO reports. The reports were sent to NRC today, March 15, 1990. Both the Regional and Headquarters staffs reviewed the three INPO reports cited in the Congressional testimony. Based on the staff's review, we conclude there is no information in the three INPO reports that would change the staffs' conclusion that there is reasonable assurance that the Seabrook plant can be operated safely.

The licensee has separately certified to NRC that they have reviewed these three INPO reports as well as the INPO reports from the INPO Construction Evaluations of 1983 and 1984, the Station and Corporate Assistance Visits of 1986 and 1987 and the Emergency Preparedness Assistance Visits of 1986 and 1987. The licensee stated that there are no open items from any of these reports that present a safety concern or would prevent the safe and conservative operation of Seabrook Station.

Further, the Regional Administrator of Region I reaffirmed that there have not been any developments since his memo to me dated January 9, 1990, that would alter his conclusion that Seabrook can be operated safely.

Based on the above information, in addition to the findings of all the staff reviews and inspections, I have concluded that there is reasonable assurance that the Seabrook plant can be operated safely. Accordingly, on this date, March 15, 1990, I executed the full power license for Seabrook.

Original signed by
 Thomas E. Murley

Thomas E. Murley, Director
 Office of Nuclear Reactor Regulation

DISTRIBUTION
 SEE NEXT PAGE

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CC	: NRR	:	:	:	:	:	:
NAME	: TE Murley:kb	:	:	:	:	:	:
DATE	: 3/15/90	:	:	:	:	:	:



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

MAR 15 1990

Docket No. 50-443

Mr. Edward A. Brown
President and Chief Executive Officer
New Hampshire Yankee Division
Public Service Company of New Hampshire
Post Office Box 300
Seabrook, New Hampshire 03874

Dear Mr. Brown:

SUBJECT: ISSUANCE OF FACILITY OPERATING LICENSE NPF-86 - SEABROOK STATION,
UNIT NO. 1

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The technical basis for the license is included in the Safety Evaluation Report related to the Operation of Seabrook Station Units 1 and 2 (NUREG-0896) and Supplements 1 through 9. Supplement No. 9 (SSER 9) is enclosed. All previously open issues have been reviewed by the staff. All these open issues have been satisfactorily resolved.

Enclosed is a copy of a related notice, the original of which has been forwarded to the Office of the Federal Register for publication.

Thirteen copies of Amendment No. 4 to Indemnity Agreement No. B-106 which covers the activities authorized under License No. NPF-86 are also enclosed. Please return one signed copy to this office.

Sincerely,

A handwritten signature in black ink, appearing to read "Steven A. Yarga".

Steven A. Yarga, Director
Division of Reactor Projects I/II
Office of Nuclear Reactor Regulation

Enclosures:

1. Facility Operating License No. NPF-86
2. Federal Register Notice
3. Amendment No. 4 to Indemnity Agreement
No. B-106
4. Safety Evaluation Report, Supplement 9

cc w/enclosures: See next page

Mr. Edward A. Brown

cc:

Thomas Dignan, Esq.
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Boston, Massachusetts 02110

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Assistant Attorney General
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Augusta, Maine 04333

Seacoast Anti-Pollution League
5 Market Street
Portsmouth, New Hampshire 03801

Mr. T. Feigenbaum
Public Service Company
of New Hampshire
Post Office Box 330
Seabrook, New Hampshire 03874

Resident Inspector
U.S. Nuclear Regulatory Commission
Seabrook Nuclear Power Station
Post Office Box 1149
Seabrook, New Hampshire 03874

Mr. A. M. Ebner, Project Manager
United Engineers & Constructors
Post Office Box 8223
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D. Pierre G. Cameron, Jr., Esq.
General Counsel
Public Service Company of New Hampshire
Manchester, New Hampshire 03105

Mr. T. L. Harpster
Public Service Company of New Hampshire
P. O. Box 300
Seabrook, New Hampshire 03874

Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, Pennsylvania 19406

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Bradford, Massachusetts 01830

Mr. Alfred V. Sargent
Chairman
Board of Selectmen
Town of Salisbury, Massachusetts 01950

Senator Gordon J. Humphrey
U.S. Senate
ATTN: Tom Burack
Washington, D.C. 20510

Mr. Owen B. Durgin, Chairman
Durham Board of Selectmen
Town of Durham
Durham, New Hampshire 03824

Mr. John Traficante
Chief, Nuclear Safety Unit
Department of the Attorney General
One Ashburton Place
Boston, Massachusetts 02108-1698

Mr. Edward A. Brown

cc:

Board of Selectmen
RFD Dalton Road
Brentwood, New Hampshire 03833

Ms. Suzanne Breiseth
Board of Selectmen
Town of Hampton Falls
Drinkwater Road
Hampton Falls, New Hampshire 03844

Mr. Guy Chichester, Chairman
Rye Nuclear Intervention
Committee
c/o Rye Town Hall
10 Central Road
Rye, New Hampshire 03870

Chairman, Board of Selectmen
RFD 2
South Hampton, New Hampshire 03827

R. Scott Hill - Whilton
Lagoulis, Clark, Hill-Whilton
& McGuire
79 State Street
Newburyport, Massachusetts 01950

Ms. R. Cashman, Chairman
Board of Selectmen
Town of Amesbury
Town Hall
Amesbury, Massachusetts 01913

Mr. Donald E. Chick, Town Manager
Town of Exeter
10 Front Street
Exeter, New Hampshire 03823

Jane Spector
Federal Energy Regulatory Commission
825 North Capital Street, N.E.
Room 8105
Washington, D.C. 20426

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Three Metro Center
Suite 610
Bethesda, Maryland 20814

Mr. George L. Iverson, Director
New Hampshire Office of Emergency
Management
State Office Park South
107 Pleasant Street
Concord, New Hampshire 03301

Adjudicatory File (2)
Atomic Safety and Licensing Board
Panel Docket
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Congressman Nicholas Mavroules
U.S. House of Representatives
70 Washington Street
Salem, Washington 01970

Mr. John C. Duffett
President and Chief Executive Officer
Public Service Company of New Hampshire
1000 Elm St., P. O. Box 330
Manchester, New Hampshire 03105

Mr. Jack Dolan
Federal Emergency Management Agency
Region I
J. W. McCormack Post Office and
Courthouse Building, Room 442
Boston, Massachusetts 02109

Mr. Edward A. Brown
Public Service Company of New Hampshire (other)

Seabrook Nuclear Power Station

cc:
Governor of New Hampshire
State House
Concord, New Hampshire 03301

Massachusetts Department of
Environmental Quality Engineering
100 Cambridge Street
Boston, Massachusetts 02108

State Planning Officer
Executive Department
State of Maine
189 State Street
Augusta, Maine 04330

Office of the First Selectman
Town of Seabrook
Seabrook, New Hampshire 03874

Chairman
Vermont Public Service Board
State Office Building
120 State
Montpelier, Vermont 05502

Director, Criteria and Standards (SSERS)
(ANR-460)
Office of Radiation Programs
U.S. Environmental Protection Agency
Washington, D.C. 20460

Director, Eastern Environmental
Radiation Facility (SSERS)
U.S. Environmental Protection Agency
Post Office Box 3009
Montgomery, Alabama 36193

EIS Review Coordinator
Environmental Protection Agency
Region I
JFK Federal Building
Boston, Massachusetts 02203

FACILITY OPERATING LICENSE NPF-86 - SEABROOK STATION, UNIT NO. 1

DISTRIBUTION:

Docket 50-443 ←

NRC PDR

LPDR

PD I-3 Reading

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S. Turk, OGC

W. Lambe, PTSB

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ARM.LFMB

E. Jordan*

Dennis Hagan*

E. Butcher*

T. Meek (4)*

ARCS (10)

J. Kopeck, PA

C. Moon*

*with Technical Specifications



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

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE, ET AL.*

DOCKET NO. 50-443

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 Public Service Company of New Hampshire, acting for itself and as agent and representative of the 11 other utilities listed below and 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),
 - E. Public Service Company of New Hampshire 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;

*Public Service Company of New Hampshire is authorized to act as agent for the: Canal Electric Company, 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 Lighting 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.

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- 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 conditions 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, which is hereby issued to Public Service Company of New Hampshire, et al. (the licensees), 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) Public Service Company of New Hampshire (PSNH), 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) PSNH, 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) PSNH, 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) PSNH, 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; and
 - (6) PSNH, 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.
- 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; and is subject to the additional conditions specified or incorporated below:

(1) Maximum Power Level

PSNH 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 and Environmental Protection Plan

The Technical Specifications contained in Appendix A and the Environmental Protection Plan contained in Appendix B, both of which are attached hereto, are hereby incorporated into this license. PSNH shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

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

Before startup following the first refueling outage, PSNH shall resolve the following remaining Safety Parameter Display System 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.

D. Exemptions

PSNH 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. PSNH 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

PSNH 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

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

Amendments and Search 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

PSNH 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: PSNH 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 safe shutdown in the event of a fire.

G. Reporting to the Commission

Except as otherwise provided in the Technical Specifications or Environmental Protection Plan, PSNH 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 followup 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. 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

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE*SEABROOK STATION, UNIT NO. 1DOCKET NO. 50-443NOTICE OF ISSUANCE OF FACILITY OPERATING LICENSE

Notice is hereby given that the U. S. Nuclear Regulatory Commission (the Commission or NRC), has issued Facility Operating License No. NPF-86 to Public Service Company of New Hampshire (PSNH) and the owners listed below (the utilities listed below including PSNH collectively referred to as the licensees) which authorizes operation of the Seabrook Station, Unit No. 1, (the facility) at reactor core power levels not in excess of 3411 megawatts thermal (100% of rated power) in accordance with the provisions of the license, the Technical Specifications and the Environmental Protection Plan.

On October 17, 1986, the Commission issued Facility Operating License NPF-56 to the licensee for the Seabrook Station, Unit 1 which authorized fuel loading. On May 26, 1989, the Commission issued Facility Operating License NPF-67 to operate at 5% of rated power (170 megawatts thermal).

*Public Service Company of New Hampshire is authorized to act as agent for the: Canal Electric Company, Connecticut Light and Power Company, EUA Power Corporation, Hudson Light & Power Company, Massachusetts Municipal Wholesale Electric Company, Montaup Electric Company, New England Power Company, New Hampshire Electric Corporation, Inc., Taunton Municipal Lighting 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.

The Seabrook Station, Unit No. 1 (Seabrook Unit 1) is a pressurized water reactor located on the southeast coast of New Hampshire in Seabrook Township, Rockingham County, New Hampshire. The license is effective as of the date of issuance.

The application for the license complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations. The Commission has made appropriate findings as required by the Act and the Commission's regulations in 10 CFR Chapter I which are set forth in the license. Prior public notice of the overall action involving the proposed issuance of an operating license was published in the FEDERAL REGISTER on October 19, 1981 (46 FR 51330).

The Commission has determined that the issuance of this license will not result in any environmental impacts other than those evaluated in the Final Environmental Statement since the activity authorized by the license is encompassed by the overall action evaluated in the Final Environmental Statement.

For further details with respect to this action, see (1) Facility Operating License No. NPF-86, with Technical Specifications (NUREG-1386) and the Environmental Protection Plan; (2) the report of the Advisory Committee on Reactor Safeguards, dated September 1989; (3) the Commission's Safety Evaluation Report, dated March 1983 (NUREG-0896), and Supplements 1 through 9; (4) the Final Safety Analysis Report and Amendments thereto; (5) the Environmental

Report and supplements thereto; and (6) the Final Environmental Statement dated December 1982 (NUREG-0895).

These items are available for inspection at the Commission's Public Document Room located in the Gelman Building, Lower Level, 2120 L St., N.W., Washington, D.C. and in the Exeter Public Library, 47 Front Street, Exeter, New Hampshire 03833. A copy of Facility Operating License NPF-86 may be obtained upon request addressed to the U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Director, Project Directorate No. I-3. Copies of the Safety Evaluation Report and Supplements 1 through 9 (NUREG-0896) may be purchased at current rates from the Superintendent of Documents, U.S. Government Printing Office, Post Office Box 37082, Washington, D.C. 20013-7982 or by calling (202) 275-2060 or (202) 275-2171.

Dated at Rockville, Maryland this 15th day of March 1990

FOR THE NUCLEAR REGULATORY COMMISSION

Jon R. Johnson

Jon R. Johnson, Acting Director
Project Directorate I-3
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation



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

Docket Nos. 50-443

AMENDMENT TO INDEMNITY AGREEMENT NO. B-106
Amendment No. 4

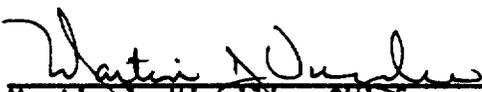
Effective March 15, 1990, Indemnity Agreement No. B-106, between Public Service Company of New Hampshire, The United Illuminating Company, Massachusetts Municipal Wholesale Electric Company, New England Power Company, the Connecticut Light and Power Company, Canal Electric Company, Montaup Electric Company, New Hampshire Electric Cooperative, Inc., Vermont Electric Generation and Transmission Cooperative, Taunton Municipal Lighting Plant, Hudson Light and Power Department, EUA Power Corporation, and the Nuclear Regulatory Commission, dated December 18, 1985 as amended, is hereby further amended as follows:

Item 3 of the Attachment to the indemnity agreement is deleted in its entirety and the following substituted therefor:

Item 3 - License number or numbers

- SNM-1963 (From 12:01 a.m., December 18, 1985, to
12 midnight, October 16, 1986
inclusive)
- NPF-56 (From 12:01, October 17, 1986, to
12 midnight, May 25, 1989
inclusive)
- NPF-67 (From 12:01 a.m., May 26, 1989, to
12 midnight, March 14, 1990
inclusive)
- NPF-86 (From 12:01 a.m., March 15, 1990)

FOR THE U.S. NUCLEAR REGULATORY COMMISSION



Martin J. Virgilio, Chief
Policy Development and Technical Support Branch
Program Management, Policy Development
and Analysis Staff
Office of Nuclear Reactor Regulation

Accepted _____, 1990

By _____
EUA Power Corporation

Accepted _____, 1990

By _____
Canal Electric Company

Accepted _____, 1990

By _____
Vermont Electric Generation
and Transmission Cooperative

Accepted _____, 1990

By _____
Taunton Municipal Lighting
Plant

Accepted _____, 1990

By _____
Public Service Company of
New Hampshire

Accepted _____, 1990

By _____
Massachusetts Municipal
Wholesale Electric Company

Accepted _____, 1990

By _____
The Connecticut Light and Power
Company

Accepted _____, 1990

By _____
Montaup Electric Company

Accepted _____, 1990

By _____
New Hampshire Electric
Cooperative, Inc.

Accepted _____, 1990

By _____
Hudson Light and Power
Department

Accepted _____, 1990

By _____
The United Illuminating Company

Accepted _____, 1990

By _____
New England Power Company

APPENDIX B
TO FACILITY OPERATING LICENSE NO. NPF- 86
SEABROOK STATION, UNIT 1
PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
DOCKET NO. 50-443
ENVIRONMENTAL PROTECTION PLAN
(NONRADIOLOGICAL)

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P PDC

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SEABROOK STATION, UNIT NO. 1

ENVIRONMENTAL PROTECTION PLAN
(NONRADIOLOGICAL)

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1.0 Objectives of the Environmental Protection Plan

The Environmental Protection Plan (EPP) is to provide for protection of non-radiological environmental values during operation of the nuclear facility. The principal objectives of the EPP are as follows:

- (1) Verify that the facility is operated in an environmentally acceptable manner, as established by the Final Environmental Statement - Operating Licensing Stage (FES-OL) and other NRC environmental impact assessments.
- (2) Coordinate NRC requirements and maintain consistency with other Federal, State and local requirements for environmental protection.
- (3) Keep NRC informed of the environmental effects of facility construction and operation of actions taken to control those effects.

Environmental concerns identified in the FES-OL which relate to water quality matters are regulated by way of the licensee's NPDES permit.

2.0 Environmental Protection Issues

In the FES-0L (NUREG-0895) dated December, 1982, the staff considered the environmental impacts associated with the operation of Seabrook Station, Unit No. 1. No aquatic/water quality, terrestrial, or noise issues were identified.

Aquatic matters are addressed by the effluent limitations and monitoring requirements contained in NPDES Permit No. NH0020338 issued by the U. S. Environmental Protection Agency (Region I) on July 26, 1985. The NRC will rely on the U.S.E.P.A and the NPDES Permit for regulation of matters involving water quality and aquatic biota.

3.0 Consistency Requirements

3.1 Plant Design and Operation

The licensee may make changes in station design or operation or perform tests or experiments affecting the environment provided such activities do not involve an unreviewed environmental question and do not involve a change in the EPP*. Changes in station design or operation or performance of tests or experiments which do not affect the environment are not subject to the requirements of this EPP. Activities governed by Section 3.3 are not subject to the requirements of this Section.

Before engaging in additional construction or operational activities which may significantly affect the environment, the licensee shall prepare and record an environmental evaluation of such activity. Activities are excluded from this requirement if all measurable nonradiological environmental effects are confined to the onsite areas previously disturbed during site preparation and plant construction. When the evaluation indicates that such activity involves an unreviewed environmental question, the licensee shall provide a

* This provision does not relieve the licensee of the requirements of 10 CFR 50.59.

written evaluation of such activity and obtain prior NRC approval. When such activity involves a change in the EPP, such activity and change to the EPP may be implemented only in accordance with an appropriate license amendment as set forth in Section 5.3 of this EPP.

A proposed change, test or experiment shall be deemed to involve an unreviewed environmental question it concerns: (1) a matter which may result in a significant increase in any adverse environmental impact previously evaluated in the FES-OL, environmental impact appraisals, or in any decisions of the Atomic Safety and Licensing Board; or (2) a significant change in effluents or power level; or (3) a matter, not previously reviewed and evaluated in the documents specified in (1) of this Subsection, which may have a significant adverse environmental impact.

The licensee shall maintain records of changes in facility design or operation and of tests and experiments carried out pursuant to this Subsection. These records shall include written evaluations which provide bases for the determination that the change, test, or experiment does not involve an unreviewed environmental question or constitute a decrease in the effectiveness of this EPP to meet the objectives specified in Section 1.0. The licensee shall include as part of the Annual Environmental Operating Report (per Subsection 5.4.1) brief descriptions, analyses, interpretations, and evaluations of such changes, tests and experiments.

3.2 Reporting Related to the NPDES Permit and State Certification

Changes to, or renewals of, the NPDES Permits or the State certification shall be reported to the NRC within 30 days following the date the change or renewal is approved. If a permit or certification, in part or in its entirety, is appealed and stayed, the NRC shall be notified within 30 days following the date the stay is granted.

The licensee shall notify the NRC of changes to the effective NPDES Permit proposed by the licensee by providing NRC with a copy of the proposed change at the same time it is submitted to the permitting agency. The licensee shall provide the NRC a copy of the application for renewal of the NPDES Permit at the same time the application is submitted to the permitting agency.

3.3 Changes Required for Compliance with Other Environmental Regulations

Changes in plant design or operation and performance of tests or experiments which are required to achieve compliance with other Federal, State, and local environmental regulations are not subject to the requirements of Section 3.1.

4.0 Environmental Conditions

4.1 Unusual or Important Environmental Events

Any occurrence of an unusual or important event that indicates or could result in significant environmental impact causally related to plant operation shall be recorded and reported to the NRC within 24 hours followed by a written report per Subsection 5.4.2. The following are examples: excessive bird impaction events, onsite plant or animal disease outbreaks; mortality or unusual occurrence of any species protected by the Endangered Species Act of 1973; fish kills; increase in nuisance organisms or conditions; and unanticipated or emergency discharge of waste water or chemical substances.

No routine monitoring programs are required to implement this condition.

4.2 Environmental Monitoring

4.2.1 Aquatic Monitoring

The certifications and permits required under the Clean Water Act provide mechanisms for protecting water quality and, indirectly, aquatic biota. The NRC will rely on the decisions made by the U. S. Environmental Protection Agency and the State of New Hampshire under the authority of the Clean Water Act, for any requirements for aquatic monitoring.

4.2.2 Terrestrial Monitoring

Terrestrial monitoring is not required.

4.2.3 Noise Monitoring

Noise monitoring is not required

5.0 Administrative Procedures

5.1 Review and Audit

The licensee shall provide for review and audit of compliance with the EPP. The audits shall be conducted independently of the individual or groups responsible for performing the specific activity. A description of the organization structure utilized to achieve the independent review and audit function and results of the audit activities shall be maintained and made available for inspection.

5.2 Records Retention

Records and logs relative to the environmental aspects of station operation shall be made and retained in a manner convenient for review and inspection. These records and logs shall be made available to NRC on request.

Records of modifications to station structures, systems and components determined to potentially affect the continued protection of the environment shall be retained for the life of the station. All other records, data and logs relating to this EPP shall be retained for five years or, where applicable, in accordance with the requirements of other agencies.

5.3 Changes in Environmental Protection Plan

Requests for changes in the EPP shall include an assessment of the environmental impact of the proposed change and a supporting justification. Implementation of such changes in the EPP shall not commence prior to NRC approval of the proposed changes in the form of a license amendment incorporating the appropriate revision to the EPP.

5.4 Plant Reporting Requirements

5.4.1 Routine Reports

An Annual Environmental Operating Report describing implementation of this EPP for the previous year shall be submitted to the NRC prior to May 1 of each year. The period of the first report shall begin with the date of issuance of the operating license, and the initial report shall be submitted prior to May 1 of the year following issuance of the operating license.

The report shall include summaries and analyses of the results of the environmental protection activities required by Subsection 4.2 (if any) of this EPP for the report period, including a comparison with related preoperational studies, operational controls (as appropriate), and previous nonradiological environmental monitoring reports, and an assessment of the observed impacts of the plant operation on the environment. If harmful effects or evidence of trends toward irreversible damage to the environment are observed, the

licensee shall provide a detailed analysis of the data and a proposed course of mitigating action.

The Annual Environmental Operating Report shall also include:

- (1) A list of EPP noncompliances and the corrective actions taken to remedy them.
- (2) A list of all changes in station design or operation, tests, and experiments made in accordance with Subsection 3.1 which involved a potentially significant unreviewed environmental question.
- (3) A list of nonroutine reports submitted in accordance with Subsection 5.4.2.

In the event that some results are not available by the report due date, the report shall be submitted noting and explaining the missing results. The missing results shall be submitted as soon as possible in a supplementary report.

5.4.2 Nonroutine Reports

A written report shall be submitted to the NRC within 30 days of occurrence of a nonroutine event. The report shall: (a) describe, analyze, and evaluate the event, including extent and magnitude of the impact, and plant operating

characteristics; (b) describe the probable cause of the event, (c) indicate the action taken to correct the reported event; (d) indicate the corrective action taken to preclude repetition of the event and to prevent similar occurrences involving similar components or systems; and (e) indicate the agencies notified and their preliminary responses.

Events reportable under this subsection which also require reports to other Federal, State or local agencies shall be reported in accordance with those reporting requirements in lieu of the requirements of this Subsection. The NRC shall be provided with a copy of such report at the same time it is submitted to the other agency.