

February 14, 1995

Mr. Ted C. Feigenbaum  
Senior Vice President  
and Chief Nuclear Officer  
North Atlantic Energy Service Corporation  
Post Office Box 300  
Seabrook, NH 03874

SUBJECT: AMENDMENT NO. 35 TO FACILITY OPERATING LICENSE NPF-86: INDEPENDENT  
SAFETY ENGINEERING GROUP - LICENSE AMENDMENT REQUEST 93-08  
(TAC M86501)

Dear Mr. Feigenbaum:

The Commission has issued the enclosed Amendment No. 35 to Facility Operating License No. NPF-86 for the Seabrook Station, Unit No. 1, in response to your application dated June 18, 1993, as modified by letter dated November 23, 1994.

The amendment revises the Appendix A Technical Specifications (TS) relating to the Independent Safety Engineering Group. Specifically, the amendment revises the title of TS 6.2.3 from *Independent Safety Engineering Group* to *Independent Technical Reviews*, and replaces the requirements for the five person Independent Safety Engineering Group with requirements relating to a technical review program to perform independent technical reviews.

A copy of the related Safety Evaluation is also enclosed. The Notice of Issuance will be included in the Commission's biweekly Federal Register notice.

Sincerely,

Original signed by:

Albert W. De Agazio, Sr. Project Manager Project  
Directorate I-4  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket No. 50-443  
Serial No. SEA-95-002

Enclosures: 1. Amendment No. 35 to NPF-86  
2. Safety Evaluation

cc w/encls: See next page

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Docket File	PUBLIC	PDI-4 Plant	SVarga
JZwolinski	PMcKee	ADe Agazio	SNorris
OGC	GHill (2)	CGrimes	ACRS (4)
OPA	OC/LFDCB	JRogge, RGI	FAllenspach

DOCUMENT NAME: G:\DEAGAZIO\867501.AMD

OFFICE	LA:PDI-4	PM:PDI-4	BC:OTSB	D:PDI-4	OGC
NAME	SNorris	ADeAgazio.bf	CGrimes	PMcKee	
DATE	02/2/95	02/2/95	02/7/95 95-032	02/9/95	02/13/95

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

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Sincerely,

A handwritten signature in cursive script, reading "Albert W. De Agazio", is written over the typed name.

Albert W. De Agazio, Sr. Project Manager  
Project Directorate I-4  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket No. 50-443  
Serial No. SEA-95-002

Enclosures: 1. Amendment No. 35 to NPF-86  
2. Safety Evaluation

cc w/encls: See next page

Mr. Ted C. Feigenbaum  
North Atlantic Energy Service Corporation

Seabrook Station, Unit No. 1

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

NORTH ATLANTIC ENERGY SERVICE CORPORATION, ET AL\*

DOCKET NO. 50-443

SEABROOK STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 35  
License No. NPF-86

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by North Atlantic Energy Service Corporation, et al. (the licensee), dated June 18, 1993, as modified by letter dated November 23, 1994, 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.

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

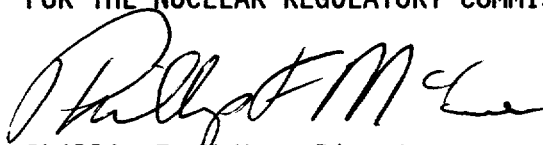
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. NPF-86 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 35, 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. This license amendment is effective as of the date of its issuance, to be implemented within 60 days of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Phillip F. McKee, Director  
Project Directorate I-4  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: February 14, 1995

ATTACHMENT TO LICENSE AMENDMENT NO. 35

FACILITY OPERATING LICENSE NO. NPF-86

DOCKET NO. 50-443

Replace the following pages of Appendix A, Technical Specifications, with the attached pages as indicated. The revised pages are identified by amendment number and contain vertical lines indicating the areas of change. Overleaf pages have been provided.\*

Remove

6-5

6-6\*

Insert

6-5

6-6\*

### 6.2.3 INDEPENDENT TECHNICAL REVIEWS

A Technical Review Program shall be established, implemented and maintained to encompass the following Technical Review responsibilities.

#### FUNCTION

6.2.3.1 The Technical Review Program responsibilities shall encompass:

- a. NRC issuances, industry advisories, Licensee Event Reports, and other sources that may indicate areas for improving plant safety;
- b. Internal and external operating experience information that may indicate areas for improving plant safety;
- c. Plant operating characteristics, plant operations, modifications, maintenance and surveillance to verify independently that these activities are performed safely and correctly and that human errors are reduced as much as practical, and
- d. Making detailed recommendations to the Senior Site Official for procedure revisions, equipment modifications or other means of improving nuclear safety and plant reliability.

The Technical Review Program shall utilize several on-site personnel who are independent of the plant management chain to perform the reviews.

#### RECORDS

6.2.3.2 Written records of technical reviews shall be maintained. As a minimum these records shall include the results of the activities conducted, the status of recommendations made pursuant to Specification 6.2.3.1 and an assessment of company operations related to the reviews performed. A copy of the monthly Technical Review Program report shall be provided to the Senior Site Official.

#### QUALIFICATIONS

6.2.3.3 Personnel performing reviews pursuant to Technical Specification 6.2.3.1 shall have either a bachelor's degree in engineering or related science and at least 2 years professional level experience, at least 1 year of which shall be in the nuclear field, or equivalent education and experience as defined in ANSI/ANS 3.1, 1981, Section 4.1.

### 6.2.4 SHIFT TECHNICAL ADVISOR

6.2.4.1 The Shift Technical Advisor shall provide advisory technical support to the Control Room Commander in the areas of thermal hydraulics, reactor engineering, and plant analysis with regard to the safe operation of the station.

### 6.3 TRAINING

6.3.1 A retraining and replacement licensed training program for the station staff shall be maintained under the direction of the Training Manager and shall meet or exceed the requirements and recommendations of Section 5.5 of ANSI N18.1-1971 and the supplemental requirements specified in NUREG-1021, and shall include familiarization with relevant industry operational experience.

## 6.4 REVIEW AND AUDIT

### 6.4.1 STATION OPERATION REVIEW COMMITTEE (SORC)

#### FUNCTION

6.4.1.1 The SORC shall function to advise the Station Manager on all matters related to nuclear safety.

#### COMPOSITION

6.4.1.2 The SORC shall, as a minimum, be composed of the Chairman and nine individuals who collectively have experience and expertise in the following areas:

- Nuclear Power Plant Administrative Controls
- Mechanical Maintenance
- Electrical Maintenance
- Instrumentation & Control
- Chemistry
- Health Physics
- Operations
- Technical Support/Engineering
- Reactor Engineering

The Station Manager shall serve as Chairman of the SORC and shall appoint the SORC members in writing. Members shall have a minimum of eight years power plant experience of which a minimum of three years shall be nuclear power experience. At least one member shall have an SRO license for Seabrook Station.

#### ALTERNATES

6.4.1.3 All alternate members shall be appointed in writing by the SORC Chairman to serve on a temporary basis and shall have qualifications equivalent to those of the members.

#### MEETING FREQUENCY

6.4.1.4 The SORC shall meet at least once per calendar month and as convened by the SORC Chairman or one of his designated alternate(s).

#### QUORUM

6.4.1.5 The quorum of the SORC necessary for the performance of the SORC responsibility and authority provisions of these Technical Specifications shall consist of the Chairman or one of his designated alternate(s) and sufficient SORC members including alternates to equal at least 50 percent of the SORC composition.





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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 35 TO FACILITY OPERATING LICENSE NO. NPF-86

NORTH ATLANTIC ENERGY SERVICE CORPORATION

SEABROOK STATION, UNIT NO. 1

DOCKET NO. 50-443

**1.0 INTRODUCTION**

By application dated June 18, 1993, as amended by letter of November 23, 1994, North Atlantic Energy Service Corporation (North Atlantic) proposed an amendment to the Appendix A Technical Specifications (TS) for the Seabrook Station, Unit 1 (Seabrook). The proposed changes would revise the Appendix A Technical Specifications (TS) relating to the Independent Safety Engineering Group. Specifically, the amendment would revise the title of TS 6.2.3 from *Independent Safety Engineering Group* to *Independent Technical Reviews*, and would replace the requirements for the five person Independent Safety Engineering Group (ISEG) with requirements relating to a technical review program to perform independent technical reviews.

North Atlantic's letter dated November 23, 1994, provided a minor revision to the application but does not change the initial proposed no significant hazards consideration determination.

**2.0 EVALUATION**

North Atlantic has proposed to revise TS 6.2.3 by:

- 1) Changing the title of TS 6.2.3 from *Independent Safety Engineering Group* to *Independent Technical Reviews*.

Staff evaluation: North Atlantic's proposal to change the title of TS 6.2.3 reflects an organizational change. The ISEG function, which previously was in the Quality Programs Division has been combined with the Operating Experience Review Group within the Licensing Services Division to create an integrated organization known as the Nuclear Safety Engineering Group. This change is acceptable to the staff since the ISEG function is unchanged.

- 2) Combining TS 6.2.3.1 (Functions) and TS 6.2.3.3 (Responsibilities) into a new TS 6.2.3.1 (Functions) that combines the elements of the current TS 6.2.3.1 and 6.2.3.3. The revision would include the responsibility for making detailed recommendations to the Senior Site Official.

Staff evaluation: The proposal to combine TS 6.2.3.1 (Functions) and TS 6.2.3.3 (Responsibilities) is acceptable as the substance of the current TS is retained.

- 3) Deleting the current requirement of TS 6.2.3.2 (Composition) for at least five, dedicated full-time engineers located on site, and replacing it with the requirement that the Independent Technical Review Program shall utilize several on-site personnel who are independent of the plant management chain to perform the reviews.

Staff evaluation: The proposed changes conform to the improved Standard Technical Specifications, Westinghouse Plants, NUREG-1431. Therefore, the staff finds these changes acceptable.

- 4) Deleting the requirement of TS 6.2.3.4 (Records) that records shall be forwarded each calendar month to the Senior Vice President and replacing that with the requirement that a copy of the monthly Technical Review Program report shall be provided to the Senior Site Official.

Staff evaluation: The staff finds this change acceptable as the records will be forwarded to a senior level official.

The staff concludes that the requested changes meet the appropriate acceptance criteria of Section 13.4 of NUREG 0800, the Standard Review Plan and conform to Section 5.5 of the improved Standard Technical Specifications, NUREG-1431 (September 1992). Therefore, the staff finds the proposed changes acceptable.

### 3.0 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 had no comments.

### 4.0 ENVIRONMENTAL CONSIDERATION

The amendment changes an administrative procedure or requirement. Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(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 amendment.

### 5.0 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 Contributor: F. Allenspach

Date: February 14, 1995