

Mr. Ted C. Feigenbaum
Executive Vice President and
Chief Nuclear Officer
North Atlantic Energy Service Corporation
c/o Mr. James M. Peschel
P.O. Box 300
Seabrook, NH 03874

June 16, 2000

SUBJECT: SEABROOK STATION, UNIT NO. 1 - ISSUANCE OF AMENDMENT RE:
RELOCATION OF EMERGENCY DIESEL GENERATOR INSPECTION
SURVEILLANCE REQUIREMENT (TAC NO. MA7707)

Dear Mr. Feigenbaum:

The Commission has issued the enclosed Amendment No. 71 to Facility Operating License No. NPF-86 for the Seabrook Station, Unit No. 1, in response to your application dated November 29, 1999.

The amendment would relocate Surveillance Requirement 4.8.1.1.2f.1 which requires inspection of the Emergency Diesel Generators (EDGs) at least once per 18 months in accordance with procedures prepared in conjunction with its manufacturer from the Technical Specifications to the Seabrook Station Technical Requirements Manual.

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

Sincerely,

/RA/

Robert M. Pulsifer, Project Manager, Section 2
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-443

Enclosures: 1. Amendment No. 71 to NPF-86
2. Safety Evaluation

cc w/encls: See next page

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NAME	RPulsifer:cn	TLClark:LA	DThatcher:ET	RWeisman	JClifford
DATE	5/30/99	5/23/99	5/30/00	July 12/99	6/16/99

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UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

June 16, 2000

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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. 71
License No. NPF-86

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment filed by the North Atlantic Energy Service Corporation, et al. (the licensee), dated November 29, 1999, 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.

*North Atlantic Energy Service Corporation (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 & Power Department, Massachusetts Municipal Wholesale Electric Company, Little Bay Power Corporation, New England Power Company, New Hampshire Electric Cooperative, Inc., Taunton Municipal Light Plant, 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. 71 , 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 its date of issuance and shall be implemented within 90 days of issuance. In addition, in implementing the amendment the licensee shall include the relocated information in the Seabrook Station Technical Requirements Manual as was described in the licensee's application dated November 29, 1999, and evaluated in the staff's safety evaluation dated June 16 , 2000 for use by licensee personnel.

FOR THE NUCLEAR REGULATORY COMMISSION



James W. Clifford, Chief, Section 2
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Attachment: Changes to the Technical
Specifications

Date of Issuance: June 16, 2000

ATTACHMENT TO LICENSE AMENDMENT NO. 71

FACILITY OPERATING LICENSE NO. NPF-86

DOCKET NO. 50-443

Replace the following page 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 area of change.

Remove

3/4 8-5

Insert

3/4 8-5

ELECTRICAL POWER SYSTEMS

A.C. SOURCES

OPERATING

SURVEILLANCE REQUIREMENTS

4.8.1.1.2 (Continued)

- b) A kinematic viscosity at 40°C of greater than or equal to 1.9 centistokes, but less than or equal to 4.1 centistokes, if gravity was not determined by comparison with the supplier's certification;
 - c) A flash point greater than or equal to 125°F; and
 - d) A clear and bright appearance with proper color when tested in accordance with ASTM-D4176-82.
- 2) By verifying within 30 days of obtaining the sample that the other properties specified in Table 1 of ASTM-D975-81 are met when tested in accordance with ASTM-D975-81 except that the analysis for sulfur may be performed in accordance with ASTM-D1552-79 or ASTM-D2622-82.
- e. At least once every 31 days:
- 1) By obtaining a sample of fuel oil in accordance with ASTM-D2276-78, and verifying that total particulate contamination is less than 10 mg/liter when checked in accordance with ASTM-D2276-78, Method A, and
 - 2) By visually inspecting the lagging in the area of the flanged joints on the silencer outlet of the diesel exhaust system for leakage (also after an extended operation of greater than 24 hours).
- f. At least once per 18 months, during shutdown[#], by:
- 1) (NOT USED)
 - 2) Verifying the generator capability to reject a load of greater than or equal to 671 kW while maintaining voltage at 4160 ± 420 volts and frequency at 60 ± 4.0 Hz;

[#]selected surveillance requirements, or portions thereof, may be performed during conditions or modes other than shutdown, provided a 10 CFR 50.59 Safety Evaluation supports safe conduct of that surveillance in a condition or mode that is consistent with safe operation of the plant. (Ref. NRC GL 91-04)



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 71 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 letter dated November 29, 1999, North Atlantic Energy Service Corporation (North Atlantic, the licensee) submitted a License Amendment Request for the Seabrook Station (Seabrook) Technical Specification (TSs). The TS amendment request proposes to relocate the Surveillance Requirement (SR) 4.8.1.1.2f.1, which requires inspection of the Emergency Diesel Generator (EDGs) at least once per 18 months in accordance with procedures prepared in conjunction with its manufacturer, from the TSs to the licensee-controlled Seabrook Station Technical Requirements (SSTR) Manual.

2.0 BACKGROUND

The current SR 4.8.1.1.2f.1 requires that, at least once per 18 months, each EDG be inspected in accordance with procedures prepared with its manufacturer's recommendations for this class of standby service. The licensee has proposed to relocate this SR from the TSs to the licensee-controlled SSTR Manual.

Section 182a of the Atomic Energy Act requires applicants for nuclear power plant operating licenses to state the TS to be included as part of the license. The Commission's regulatory requirements related to the content of the TSs are set forth in 10 CFR 50.36. That regulation requires the TS to include items in five specific categories, including (1) safety limits, limiting safety system settings and limiting control settings; (2) limiting conditions for operation; (3) surveillance requirements; (4) design features; and (5) administrative controls. However, the regulation does not specify the particular requirements to be included in a plant's TS.

The four criteria defined in 10 CFR 50.36 to be used in determining whether a particular limiting condition for operation (LCO) is required to be included in the TS are as follows:

1. Installed instrumentation that is used to detect, and indicate in the control room a significant abnormal degradation of the reactor coolant pressure boundary;

2. A process variable, design feature, or operating restriction that is an initial condition of a design basis accident or transient analysis that either assumed the failure of, or presents a challenge to, the integrity of a fission product barrier;
3. A structure, system, or component that is part of the primary success path and which functions or actuates to mitigate a design basis accident or transient that either assumes the failure of, or presents a challenge to, the integrity of a fission product barrier; and
4. A structure, system, or component which operating experience or probabilistic safety assessment has shown to be significant to public health and safety.

As a result, existing LCO requirements which fall within or satisfy any of the criteria in 10 CFR 50.36 must be retained in the TSs, while those LCO requirements that do not fall within or satisfy these criteria may be relocated to other licensee controlled documents. The licensee has requested a change to a surveillance requirement, and the four criteria do not literally apply to such a requirement; however, similar considerations may be applied to the level of detail necessary to be included in surveillance TS.

3.0 EVALUATION

SR 4.8.1.1.2f.1 requires, every refueling outage, that the two EDGs at Seabrook are inspected using the manufacturer's recommended inspection guidelines. The licensee states that the relocation of requirements to perform the inspection of the EDGs to the SSTR with procedures prepared in conjunction with its manufacturer's recommendations will not adversely affect the reliability of the EDGs. No changes to the requirements are made, the requirements are simply relocated to the licensee-controlled document. The EDG's will remain fully capable of performing their specified safety function. Further, the licensee states that the relocation of the requirements of

SR 4.8.1.1.2f.1 to the SSTR will continue to be administratively controlled in accordance with TS Section 6.0, "Administrative Controls." The SSTR is a licensee-controlled document that contains certain requirements and the implementing manual for the Technical Specification Improvement Program. Changes to these requirements require a 10 CFR 50.59 evaluation.

The staff concludes that the prescriptive details are not required to be in the TSs under 10 CFR 50.36, and are not required to obviate the possibility of an abnormal situation or event giving rise to an immediate threat to the public health and safety. Accordingly, they may be relocated from the TSs to the licensee-controlled SSTR Manual. The proposed change is also consistent with NUREG-1431, "Standard Technical Specifications-Westinghouse Plants." Based on the above evaluation, we find the proposed removal of SR 4.8.1.1.2f.1 from the TS to the licensee controlled document 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 had no comments.

5.0 ENVIRONMENTAL CONSIDERATION

The amendment changes a requirement with respect to surveillance requirements. 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 (65 FR 4281). Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). 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.

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 Contributor: S. Saba

Date: June 16, 2000