

September 14, 1995

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

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SUBJECT: AMENDMENT NO. 41 TO FACILITY OPERATING LICENSE NPF-86: POSITIVE  
MODERATOR COEFFICIENT - LICENSE AMENDMENT REQUEST 95-05  
(TAC NO. M92006)

Dear Mr. Feigenbaum:

The Commission has issued the enclosed Amendment No. 41 to Facility Operating License No. NPF-86 for the Seabrook Station, Unit No. 1, in response to your application dated May 30, 1995.

The amendment revises the Appendix A Technical Specifications (TS) relating to Moderator Temperature Coefficient. The amendment changes the upper limit for the moderator temperature coefficient (MTC) for certain operating conditions. Specifically, the upper limit specified in Technical Specification 3.1.1.3 for the MTC is changed to  $+0.5 \times 10^{-4} \Delta k/k/^{\circ}F$  for all rods out at the beginning of cycle for power levels up to 70% rated thermal power with a linear ramp to 0  $\Delta k/k/^{\circ}F$  at 100% rated thermal power. Additionally, a reference for the analytical method used to determine the cycle-specific MTC upper limit is added to TS 6.8.1.6.b.

In addition to the changes described above, your application and supplemental letter of August 28, 1995, requested a paragraph be added to the Basis to Technical Specification 3.1.1.3 providing a commitment to comply with the ATWS Rule and the basis for the Rule by assuring ATWS core damage frequency will remain below the Commission established target of  $1.0 \times 10^{-5}$  per reactor year. The commitment would be implemented by determining a more restrictive, cycle-specific upper MTC limit and placing it in the Core Operating Limits Report (COLR).

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-3  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket No. 50-443  
Serial No. SEA-95-018

Enclosures: 1. Amendment No. 41 to NPF-86  
2. Safety Evaluation

cc w/encls: See next page

DOCUMENT NAME: G:\DEAGAZIO\92006AMD

OFFICE	LA:PDI-3	PM:PDI-3	D:PDI-3	OGC	
NAME	SNorris	ADeAgazio:cn	PMcKee	EBoller	
DATE	08/31/95	08/16/95	08/16/95	08/11/95	08/ /95

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(TAC NO. M92006)

Dear Mr. Feigenbaum:

The Commission has issued the enclosed Amendment No. 41 to Facility Operating License No. NPF-36 for the Seabrook Station, Unit No. 1, in response to your application dated May 30, 1995.

The amendment revises the Appendix A Technical Specifications (TS) relating to Moderator Temperature Coefficient. The amendment changes the upper limit for the moderator temperature coefficient (MTC) for certain operating conditions. Specifically, the upper limit specified in Technical Specification 3.1.1.3 for the MTC is changed to  $+0.5 \times 10^{-4} \Delta k/k/^{\circ}F$  for all rods out at the beginning of cycle for power levels up to 70% rated thermal power with a linear ramp to 0  $\Delta k/k/^{\circ}F$  at 100% rated thermal power. Additionally, a reference for the analytical method used to determine the cycle-specific MTC upper limit is added to TS 6.8.1.6.b.

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NAME	SNorris	ADeAgazio:cn	PMcKee	EBoller	
DATE	08/31/95	08/16/95	08/16/95	08/11/95	08/ /95

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

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(TAC M92006)

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T. Feigenbaum  
North Atlantic Energy Service Corporation

Seabrook Station, Unit No. 1

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