



P.O. Box 300
Seabrook, NH 03874
Telephone (603) 474-9521
Facsimile (603) 474-2987

Ted C. Feigenbaum
Senior Vice President and
Chief Nuclear Officer

NYN- 92162

November 25, 1992

United States Nuclear Regulatory Commission
Washington, D.C. 20555

Attention: Document Control Desk

References: (a) Facility Operating License No. NPF-86, Docket No. 50-443
(b) NRC Letter, G. Edison to Docket No. 50-443 dated February 27, 1992, "Summary of Meeting With Public Service Company of New Hampshire Regarding Replacement of the Movable Incore Detector System with a Fixed Incore Detector System at Seabrook Station (TAC NO. M82546)"

Subject: License Amendment Request 92-14; Incore Detector System

Gentlemen:

North Atlantic Energy Service Corporation (North Atlantic) has enclosed License Amendment Request 92-14. This License Amendment Request is submitted pursuant to 10CFR50.90 and is distributed pursuant to 10CFR50.4.

The purpose of License Amendment Request 92-14 is to propose changes to the Seabrook Station Technical Specifications. The proposed changes will allow the fixed incore detectors to be used as an independent system to perform Technical Specification Surveillances.

License Amendment Request 92-14 has been reviewed and approved by the North Atlantic Station Operation Review Committee and the Nuclear Safety Audit Review Committee.

As discussed in the enclosed License Amendment Request 92-14, Section V, the proposed changes have been determined not to involve a significant hazards consideration pursuant to 10CFR50.92. A copy of this letter and the enclosed License Amendment Request 92-14 has been forwarded to the State of New Hampshire State Liaison Officer pursuant to 10CFR50.91(b).

During Seabrook Station's first and second fuel cycles, in excess of four hundred thousand dollars, six hundred man-hours, and one man-rem was expended in repairs to the movable incore detectors. This expenditure resulted from frequent failures of the movable incore detectors and associated drive equipment. In comparison, the fixed incore detectors have been relatively maintenance free for the first two fuel cycles. With NRC approval of License Amendment Request 92-14, North Atlantic will be able to utilize an Incore

9211300357 921125
PDR ADDCK 05000443
P PDR

a member of the Northeast Utilities system

APOL
11/11

Instrumentation System with a much higher degree of reliability. In addition, the fixed incore detectors are operationally superior to the movable incore detectors. The fixed incore detectors have the capability of providing almost continuous reactor core flux monitoring. The fixed incore detectors provide flux map data every minute. Using the movable incore detectors it takes greater than two hours to obtain equivalent data.

North Atlantic requests NRC review of License Amendment Request 92-14 and issuance of a license amendment by May 31, 1993 (see enclosed License Amendment Request 92-14, Section VI).

Yankee Atomic Electric Company (YAEC) Report YAEC-1855P, "Seabrook Station Unit 1 Fixed Incore Detector System Analysis", is enclosed in Section VIII in support of the License Amendment Request. This report contains extensive comparisons between the power distributions determined by the fixed and moveable incore detectors. These comparisons show excellent agreement which demonstrates that the fixed incore detectors are a viable alternative to the moveable incore detectors. As YAEC-1855P contains information proprietary to Yankee Atomic Electric Company it is supported by an affidavit signed by Yankee Atomic Electric Company. The affidavit sets forth the basis on which information may be withheld from public disclosure by the Commission and addresses with specificity the conditions listed in paragraph (b)(4) of Section 2.790 of the Commission's regulations. Accordingly, it is respectfully requested that the information which is proprietary to YAEC be withheld from public disclosure in accordance with 10CFR2.790.

Should you have any questions regarding this letter, please contact Mr. Terry L. Harpster, Director of Licensing Services at (603) 474-9521 extension 2765.

Very truly yours,

T. C. Feigenbaum
Ted C. Feigenbaum *for*

TCF:MDO/act

Enclosure

United States Nuclear Regulatory Commission
Attention: Document Control Desk

November 25, 1992
Page three

cc with enclosure:

Mr. Thomas T. Martin
Regional Administrator
United States Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406

Mr. Gordon Edison, Sr. Project Manager
Project Directorate I-3
Division of Reactor Projects
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Mr. Noel Dudley
NRC Senior Resident Inspector
P.O. Box 1149
Seabrook, NH 03874

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