

February 15, 1990

Docket No. 50-423

Mr. Edward J. Mroczka
Senior Vice President
Nuclear Engineering and Operations
Connecticut Yankee Atomic Power Company
Northeast Nuclear Energy Company
Post Office Box 270
Hartford, Connecticut 06141-0270

Dear Mr. Mroczka:

SUBJECT: MILLSTONE NUCLEAR POWER STATION, UNIT NO. 3 - ENVIRONMENTAL
ASSESSMENT (TAC 74110)

Enclosed is a copy of an "Environmental Assessment and Finding of No Significant Impact" for your information. This assessment relates to your application dated July 20, 1989, as supplemented by letter dated October 16, 1989, regarding proposed changes to the Technical Specifications for power distribution limits, main steam isolation valves and radiation monitors.

The assessment has been sent to the Office of the Federal Register for publication.

Sincerely,

/s/

David H. Jaffe, Project Manager
Project Directorate I-4
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosure:
As stated

cc w/enclosure:
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NORTHEAST NUCLEAR ENERGY COMPANY
MILLSTONE NUCLEAR POWER STATION, UNIT NO. 3
DOCKET NO. 50-423
ENVIRONMENTAL ASSESSMENT AND FINDING OF
NO SIGNIFICANT IMPACT

The U.S. Nuclear Regulatory Commission (NRC or the Commission) is considering issuance of an amendment to Facility Operating License No. NPF-49 to Northeast Nuclear Energy Company (the licensee), for Millstone Unit 3 located in the Town of Waterford, Connecticut.

ENVIRONMENTAL ASSESSMENT

Identification of Proposed Action:

The proposed amendment would provide revised Technical Specifications regarding power distribution limits, main steam isolation valves and radiation monitors.

The proposed action is in accordance with the licensee's application dated July 20, 1989, as supplemented by letter dated October 16, 1989.

The Need for the Proposed Action:

The need for the proposed changes to the Technical Specifications is addressed in the licensee's application dated July 20, 1989 as supplemented by letter dated October 16, 1989 as follows:

- ° TS 4.2.2.2.2 would be changed to revise the formula for calculation of power distribution limits. This change is needed to resolve inconsistency between calculations performed with three reactor coolant pumps (RCPs) in operation and calculations performed with four RCPs in operation.

- ° TS 3/4.7.1.5 would be changed to require that the main steam isolation valves (MSIVs) be operable in Mode 4 with a closure time of 120 seconds. This change is needed to reflect revised calculations concerning a main steam line break accident at hot zero power.
- ° TS Tables 3.3-6, 3.3-10, 4.3-3 and 4.3-7 would be changed to reflect the proper functions of radiation monitors RE41 and RE42. These changes are needed to avoid unnecessary reactor shutdown in the event that RE41 or RE42 become inoperable.

Environmental Impacts of the Proposed Action:

The proposed changes to the Technical Specifications would not affect plant effluents during normal or accident conditions. Accordingly, there are no significant radiological/non-radiological environmental impacts associated with the proposed licensing action.

Alternatives to the Proposed Action:

Since the staff concluded that there are no significant environmental effects that would result from the proposed action, any alternatives with equal or greater environmental impacts need not be evaluated.

The principal alternative would be to deny the requested amendment. This would not reduce environmental impacts of plant operation.

Alternative Use of Resources:

The action would involve no use of resources not previously considered in the "Final Environmental Statement related to the operation of Millstone Nuclear Power Station Unit No. 3," dated December 1984.

Agencies and Persons Consulted:

The NRC staff reviewed the licensee's request and did not consult other agencies or persons.

FINDING OF NO SIGNIFICANT IMPACT

The staff has determined not to prepare an environmental impact statement for the proposed license amendment.

Based upon the foregoing environmental assessment, we conclude that the proposed actions will not have a significant effect on the quality of the human environment.

For further details with respect to this action, see the application for amendment dated July 20, 1989, as supplemented by letter dated October 16, 1989, which is available for public inspection at the Commission's Public Document Room, the Gelman Building, 2120 L Street, N.W., Washington, D.C. 20555 and at the Waterford Public Library, 49 Rope Ferry Road, Waterford, Connecticut 06385.

Dated at Rockville, Maryland, this 13th day of February 1990.

FOR THE NUCLEAR REGULATORY COMMISSION



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