



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

November 9, 1995

Mr. John F. Opeka
Executive Vice President, Nuclear
Connecticut Yankee Atomic Power Company
Northeast Nuclear Energy Company
P.O. Box 270
Hartford, CT 06141-0270

SUBJECT: ISSUANCE OF AMENDMENT (TAC NO. M93080)

Dear Mr. Opeka:

The U.S. Nuclear Regulatory Commission (NRC) has issued the enclosed Amendment No. 89 to Facility Operating License No. DPR-21 for Millstone Nuclear Power Station, Unit 1, in response to your application dated July 28, 1995, as supplemented September 12, October 18, and October 31, 1995.

The amendment adds License Condition 2.C(6), "Spent Fuel Pool Operations," which allows Northeast Nuclear Energy Company (NNECO) to conduct refueling operations that include full-core offload as a normal end-of-cycle event in accordance with the controls proposed in Attachment 4 of the application for amendment dated July 28, 1995, as supplemented September 12, 1995. The license condition further requires that NNECO update the Updated Final Safety Analysis Report (UFSAR) to reflect the revised description authorized by this amendment in accordance with 10 CFR 50.71(e). The bases information proposed in Attachment 4 of NNECO's submittal dated July 28, 1995, as supplemented September 12, 1995, should be placed in the Millstone Unit 1 UFSAR. The amendment does not specifically approve the ORIGIN2 code, however, the staff has determined through independent calculations that the ORIGIN2 code is conservative for this specific application and the results acceptable. The staff did not credit evaporative cooling (ONEPOOL code) in its independent calculations and, therefore, has not made a determination on its acceptability.

The NRC staff added the new license condition instead of the requested technical specifications (TS) since provisions are already contained in TS 6.8.1 which require that written procedures be established, implemented, and maintained covering certain activities. These activities include the applicable procedures recommended in Appendix A of Regulatory Guide 1.33, "Quality Assurance Program Requirements," (including shutdown cooling and spent fuel pool cooling) and refueling operations. In addition, the TS requested do not conform to those in the Standard Technical Specifications (NUREG-1433) and, as discussed in NNECO's October 18, 1995, letter, do not meet the criteria in 10 CFR 50.36 which describe what limiting conditions are required to be in TS. The staff notes that NNECO's controls are more conservative than NUREG-1433 and industry standards, and put tighter restrictions on refueling activities at Millstone Unit 1. Therefore, based on the above and the safety evaluation which is enclosed, the staff has approved the amendment request.

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J. Opeka

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The NRC staff also notes, as described in the safety evaluation, that it currently has ongoing programs reviewing generic shutdown risk and spent fuel pool issues. When these activities are completed, the NRC will inform the industry of the results and any required actions.

The NRC staff further notes that NRC inspectors are currently reviewing other issues at Millstone Unit 1 related to the spent fuel pool, but not related to the license amendment, and will have verified the satisfactory completion of NNECO procedures and design modifications, which need to be completed prior to the movement of the first fuel assembly.

As noted above a copy of the related Safety Evaluation is enclosed. Notice of Issuance will be included in the Commission's biweekly Federal Register notice.

Sincerely,

Original signed by Phillip F. McKee

for: James W. Andersen, Project Manager
Project Directorate I-3
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Docket No. 50-245

Enclosures: 1. Amendment No. 89 to DPR-21
2. Safety Evaluation

cc w/encs: See next page

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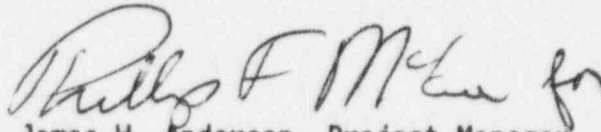
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The NRC staff further notes that NRC inspectors are currently reviewing other issues at Millstone Unit 1 related to the spent fuel pool, but not related to the license amendment, and will have verified the satisfactory completion of NNECO procedures and design modifications, which need to be completed prior to the movement of the first fuel assembly.

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Sincerely,

A handwritten signature in dark ink, appearing to read "James W. Andersen", followed by a small "for" written in the same ink.

James W. Andersen, Project Manager
Project Directorate I-3
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Docket No. 50-245

Enclosures: 1. Amendment No. 89 to DPR-21
2. Safety Evaluation

cc w/encls: See next page

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