

March 11, 1991

see Rpt

Docket No. 50-423

Mr. Edward J. Mroccka
Senior Vice President
Nuclear Engineering and Operations
Connecticut Yankee Atomic Power Company
Northeast Nuclear Energy Company
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Dear Mr. Mroccka:

SUBJECT: ISSUANCE OF AMENDMENT (TAC NO. 77924)

The Commission has issued the enclosed Amendment No. 60 to Facility Operating License No. NPF-49 for Millstone Nuclear Power Station, Unit No. 3, in response to your Cycle 4 reload application dated November 1, 1990, and supplemented by letters dated November 2, November 30, and December 4, 1990 and February 15 and 22, 1991. The amendment also responds to your application dated October 25, 1990, as supplemented February 11, 1991, requesting removal of the residual heat removal system autoclosure interlock (ACI).

The amendment supports refueling and Cycle 4 operation of Millstone Unit 3 using the VANTAGE 5 Hybrid fuel design. The amendment addresses changes in the fuel design, use of improved analysis methods, and associated fuel and reactor core controls. The amendment also removes cycle-specific restrictions for discharge of nuclear fuel to the spent fuel pool. Finally, the amendment permits removal of the autoclosure interlock from the residual heat removal system. ACI removal is expected to decrease the potential for inadvertent loss of residual heat removal.

A copy of the related Safety Evaluation is also enclosed. Also enclosed is the Notice of Issuance which has been forwarded to the Office of the Federal Register for publication.

Sincerely,

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

Enclosures:

1. Amendment No. 60 to NPF-49
2. Safety Evaluation
3. Notice

cc w/enclosures:
See next page

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| OFC | :PDI-4:LA | :PDI-4:PM | :PDI-4:D | :OGC | : |
| NAME | :SNorris | :DJaffe/cn | :JFStolz | :J. Hull | :J. Williams |
| DATE | :2/26/91 | :2/27/91 | :2/28/91 | :2/5/91 | :2/26/91 |

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*c/p
JFOL*

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