

DEC 30 1983

Docket No. 50-336

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Mr. W. G. Council, Senior Vice President
Nuclear Engineering and Operations
Northeast Nuclear Energy Company
P.O. Box 270
Hartford, Connecticut 06141-0270

Dear Mr. Council:

The Commission has issued the enclosed Amendment No. to Facility Operating License No. DPR-65 for Millstone Nuclear Power Station, Unit 2, in response to your application dated April 13, 1983, and supplements dated June 2, July 1, August 12, September 15, November 2, 4, and 17, and December 1, 1983. These changes reflect changes to the Technical Specifications necessary for plant operation in Cycle 6. These changes include:

- Reduced Reactor Coolant Flow Rate
- Reduced CEA Drop Time
- New Axial Shape Index Tent
- Revised Total Planar Peaking Factor Curve
- Revised Total Radial Peaking Factor Curve.
- Revised Auxillary Feedwater Pump LCOs and Surveillance Requirements.

The above referenced supplements:

- Provided discussion of fuel degradation and failed fuel assemblies.
- Provided discussion of plant operation with broken fuel holdown springs
- Provided reassessments of LOCA type accidents with thermal shield removed.
- Provided a redesign of Cycle 6 to reflect changes made to the planned fuel loading, and
- Provided, additional information to support Cycle 6 and analysis of STGR's.

In our letter dated November 14, 1983, we transmitted to you a draft Safety Evaluation (SE) concerning the non-LOCA transient and accident analyses for the Cycle 6 reload, and your qualifications to perform licensing calculations. That draft SE is incorporated in this SE. The confirmatory items requested in our letter dated November 14, 1983 remain outstanding.

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Mr. W. G. Council

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Additionally, in response to your analysis of LOCA consequences after the removal of the thermal shield, we request you commit to provide by the next re-fueling outage, either:

- Confirmation that the peak clad temperature does not increase by more than 20°F, or
- An ECCS analysis for the limiting large break (per Section II.1.b. to 10 CFR Part 50, Appendix K).

We request that your commitment to provide this additional confirmatory submittal be made within 60 days of your receipt of this letter. The information requested affects fewer than 10 respondents; therefore OMB clearance is not required under P.L. 96-511.

A copy of our Safety Evaluation is enclosed. The notice of issuance will be included in the Commission's next monthly Federal Register notice.

Sincerely,

Original signed by:

Kenneth L. Heitner, Project Manager
Operating Reactors Branch #3
Division of Licensing

Enclosures:

1. Amendment No. to DPR-65
2. Safety Evaluation

cc: See next page

See previous concurrence page*

ORB#3:DL*	ORB#3:DL*	ORB#3:DL*
PKreutzer	KHeitner:dd	JRMiller
12/27/83	12/23/83	12/27/83

AD:ORB/DL
GCLainas
12/27/83

OELD*
MKarmax
12/28/83

Mr. W. G. Council

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A copy of our Safety Evaluation is enclosed. The notice of issuance will be included in the Commission's next monthly Federal Register notice.

Sincerely,

Original signed by:

Kenneth L. Heitner, Project Manager
Operating Reactors Branch #3
Division of Licensing

Enclosures:

1. Amendment No. 90 to DPR-65
2. Safety Evaluation

ORB#3:DL
PKreutzer
12/21/83

ORB#3:DL ^{KLH}
KHeitner:dd
12/13/83

ORB#3:DL
JRMiller
12/17/83

AD:OR:DL
GCLainas
12/ /83

OELD
M. KARMAK
12/28/83
WLL

cc: See next page