DCS MS-016

March 2, 1983

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Docket No. 50-336

Mr. W. C. Counsil, Vice President
Nuclear Engineering & Operations
Northeast Nuclear Energy Company
P. O. Box 270
Hartford, Connecticut 06101

Dear Mr. Counsil:

This confirms our telephoned authorization given yesterday (March 1, 1983) for a change in Technical Specifications for Millstone Nuclear Power Station Unit 2, as requested by your telecopy dated March 1, 1983. Facility Operating License No. DPR-65 was amended on that date by making the following Technical Specificationschange:

Paragraph 3.4.6.2 Action requirement b was modified by adding a footnote as follows:

b. With any Reactor Coolant System leakage greater than any one of the above limits, excluding PRESSURE BOUNDARY LEAKAGE, reduce the leakage rate to within limits within 4 hours or be in COLD SHUTDOWN within the next 36 hours.**

**For the shutdown commencing on March 1, 1983, the unit shall be placed in HOT STANDBY within the next 6 bours and COLD SHUTDOWN Within the next 54 hours.

Copies of the license amendment, our evaluation and Federal Register Notice for this Technical Specification change will be sent to you when completed.

Sincerely,

Original signed by

Gus C. Lainas, Assistant Director
for Operating Reactors
Division of Licensing

cc: See next page

OFFICE	ORB#3:DL	ORB#3:DL	ORB#3:DL	AD:OR:DL			
SURNAME	PMKreutzer	PLeech/pn	RAClark	GCLainas			
DATE	3/2/83	3/2/83	3/2/83	3/2/83			

Safety Evaluation Report
for
Millstone 2 Technical Specification
Change to Specification 3.4.6.2

Background

The Millstone 2 unidentified leakage limit of 1.0 GPM was exceeded at 2 PM on March 1, 1983. The measured (calculated) leakage was found to be 1.3 GPM. The Action statement for Technical Specification 3.4.6.2 b. requires the plant to be in Cold Shutdown within 36 hours if the leakage is not reduced to below 1 gpm within the first 4 hours. The licensee has requested a one-time Technical Specification change to extend the time to Cold Shutdown to 60 hours. This will allow time to identify the

source of the leakage and put in place a collection system so the leakage can continue to be considered as Identified Leakage (for which the limit is 10 gpm).

Evaluation

The licensee will place the plant in Hot Shutdown thereby mitigating the consequences of any events which could be associated with excessive unidentified leakage (ie LOCA). The licensee will confirm the current expectation that the leakage is associated with valve stem leakage (PORV Block Valve, stem leakage). If the licensee's investigation indicate that there is any Pressure Boundary Leakage, the plant will be taken to Cold Shutdown.

The licensees actions will meet the intent of the Technical Specifications in that any Pressure Boundary Leakage will result in a Cold Shutdown; and leakage below 10 gpm which can be classified as Identified Leakage will not require a shutdown at all. In addition, if the licensees investigation determines that some of the leakage is Pressure Boundary Leakage, the period of exposure to such a condition will be short (a maximum of 60 hours vs the current 36 hour Specification) and the plant will already have been placed in Hot Shutdown.

Conclusion

Therefore the proposed actions do not constitute a significant change in the currently allowed plant conditions and will not result in any

undue risk to the health and safety of the public.

SE - prepared by Gary Holahan, Section Leader
Safety Assessment Section, ORAB, DL

concurred in by Paul H. Leech, Project Manager
ORB-3, DL

March 1, 1983

Northeast Nuclear Energy Company

cc:

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