

~~NRC PDR~~



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

August 25, 1979

Docket No.: 50-336

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

Dear Mr. Council:

The Commission is issuing the enclosed Safety Evaluation to document our analysis of the acceptability of interim operation of the Millstone Unit No. 2 with the feedwater line crack indications as described in your presentation to the NRC Staff on August 21, 1979 and in subsequent documentation dated August 22, 1979 and August 24, 1979 (two submittals). Based on our review, we conclude that the facility may be operated at the licensed power level until October 31, 1979.

This conclusion is based on your commitments to:

1. Install monitoring equipment for temperature and stress measurements on the steam generator no. 2 feedwater line.
2. Establish action points from on-site and off-site acceptance criteria as presented in the August 24, 1979 letter for initiating controlled plant shutdown if the limits are exceeded.
3. Initiate a controlled shutdown to perform an ultrasonic examination of the most severe indications on the affected lines in the event of a feedwater flow instability (water-hammer);
4. By October 1, 1979, submit a thorough program for repairing the affected welds. The program will address the modifications required in the steam generator shield wall section.
5. By October 31, 1979, commence an approach to cold shutdown to perform ultrasonic examination of the four affected welds using the same methods, techniques and conditions as was used to previously characterize the indications.
6. Prior to startup, install local leak monitoring equipment capable of detecting a 0.5 gal/minute leak on both steam generator loops in the vicinity of the cracks.

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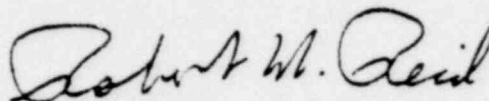
Mr. W. G. Council

- 2 -

August 25, 1979

7. Initiate a controlled shutdown and inspect the affected welds should combined dynamic stress greater than 40 ksi be measured by the on-site monitoring equipment.

Sincerely,



Robert W. Reid, Chief
Operating Reactors Branch #4
Division of Operating Reactors

Enclosure:
Safety Evaluation

cc: w/enclosure
See next page

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Northeast Nuclear Energy Company

cc w/enclosure(s):

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