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 AUTH. NAME: AUTHOR AFFILIATION
 RHODE, G.K. Niagara Mohawk Power Corp.
 RECIP. NAME: RECIPIENT AFFILIATION
 TEDESCO, R.L. Assistant Director for Licensing

SUBJECT: Responds to NRC 800610 ltr requesting info re jet pump supports. Beam design used at facility operates at peak stress less than BWR/3 beams. Preload on beams will be reduced from 30,000 to 25,000 lbs.

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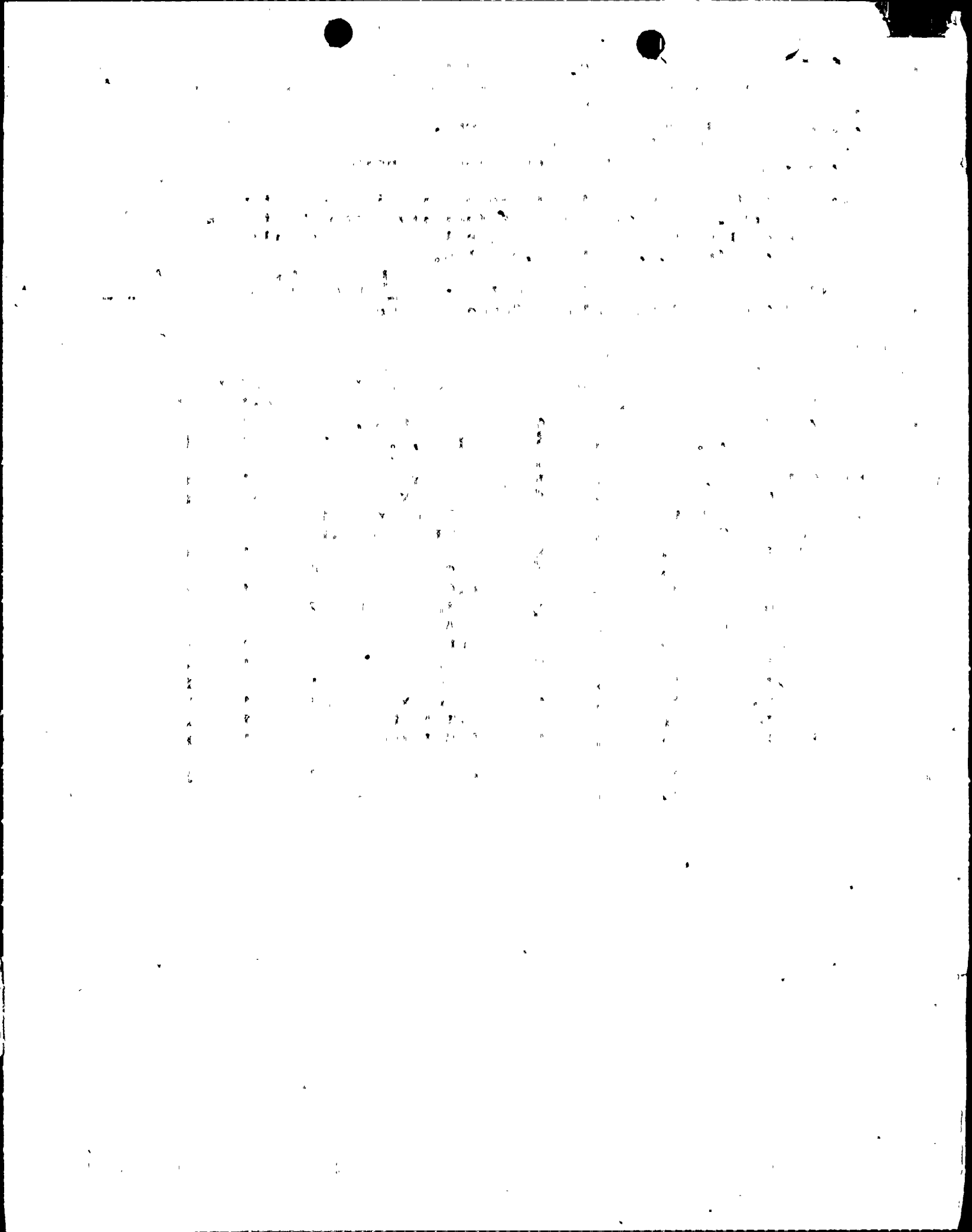
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January 9, 1981

Robert L. Tedesco, Assistant Director
for Licensing
Division of Licensing
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Tedesco:

Re: Nine Mile Point Unit 2
Docket No. 50-410

1981 JAN 12 PM 4 50
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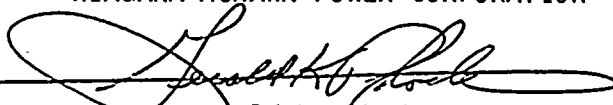
Your letter of June 10, 1980 requested information regarding jet pump supports at Nine Mile Point Unit 2. Cracking of the jet pump hold down beams had been discovered at operating boiling water reactors.

In response, the beam design used for Nine Mile Point Unit 2 operates at a peak stress less than the BWR/3 beams which failed (72 versus 86 ksi). In addition, the preload on the jet pump beams for Unit 2 will be reduced from 30,000 to 25,000 pounds. Since the time to crack initiation is dependent on applied stress, the Unit 2 beams, as presently designed and with reduced preload, are predicted to have a longer life. Using relationships developed from field experience and laboratory stress corrosion tests, the minimum time to crack initiation for the Unit 2 jet pump beam is estimated to increase by at least a factor of four with respect to the BWR/3 jet pump beam.

Based on the evaluation performed on the jet pump beam design, this is considered an adequate long term solution to reduce the occurrence of cracking.

Very truly yours,

NIAGARA MOHAWK POWER CORPORATION



Gerald K. Rhode
Vice President
System Project Management

PEF:ja

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[The body of the document contains several paragraphs of text that are extremely faint and illegible due to the high contrast of the scan. The text appears to be organized into sections, possibly separated by headings or sub-headings, but the specific content cannot be discerned.]