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 FACIL: 50-410 Nine Mile Point Nuclear Station, Unit 2, Niagara Moho 05000410  
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 RHODE, G.K. Niagara Mohawk Power Corp.  
 RECIPIENT NAME: RECIPIENT AFFILIATION  
 DENTON, H.R. Office of Nuclear Reactor Regulation

SUBJECT: Responds to Vassalle 760730 ltr re feedwater nozzle cracking. Util will employ triple thermal sleeve & sparger design as recommended by GE. Feedwater sys contains low flow control sys capable of controlling flow down to 0.5%.

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January 31, 1980

Mr. Harold Denton, Director  
Office of Nuclear Reactor Regulation  
US Nuclear Regulatory Commission  
Washington, DC 20555

Dear Mr. Denton:

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

This letter is in response to Mr. D. Vassallo's question in his letter dated July 30, 1976 regarding feedwater nozzle cracking. Nine Mile Point Unit 2 will employ a triple thermal sleeve and sparger design. This design is recommended in General Electric Company's Proprietary Topical Report NEDE 21821-02, "Boiling Water Reactor Feedwater Nozzle/Sparger Final Report (Supplement 2)," dated August 1979. This report discusses General Electric's test program results and technical justification for this design.

The Nine Mile Point Unit 2 reactor pressure vessel is manufactured as recommended by Section 3.2 of NEDE 21821-02, without clad in the area of the feedwater nozzles.

To gain additional margin against high thermal cyclic duty, the feedwater system contains a low flow control system. This system is capable of controlling flow down to 0.5 percent of rated flow, thereby reducing cyclic flow.

Details of this flow scheme, including operating procedures, plans for examination of the feedwater nozzles and the feedwater sparger design, will be described in the Final Safety Analysis Report.

Very truly yours,

NIAGARA MOHAWK POWER CORPORATION



Gerald K. Rhode,  
Vice President  
System Project Management

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