

SEP 1 0 1975

Docket No. 50-220

Niagara Mohawk Power Corporation  
ATTN: Mr. Gerald K. Rhode  
Vice President - Engineering  
300 Erie Boulevard West  
Syracuse, New York 13202

Gentlemen:

A preliminary review of your applications for license amendments dated June 30, 1975 and August 18, 1975 indicated that we will require additional information. The requested information is contained in the enclosure.

In order that we may complete our review on a timely basis and accommodate your earliest anticipated Cycle 4 startup date of November 1, 1975, please submit your written response to the items contained in the enclosure within 14 days following receipt of this letter.

If you have any questions regarding the requested information, we would be pleased to meet with you.

Sincerely,

131

George Lear, Chief  
Operating Reactors Branch #3  
Division of Reactor Licensing

Enclosure:  
Requested Information on ECCS and  
GETAB Analyses for Nine Mile Point  
Unit 1

cc: See next page

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OFFICE	ORB#3	TR	ORB#3			
SURNAME	JGuibert:kmf	RWoods	GLear			
DATE	9/10/75	9/10/75	9/10/75			



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Niagara Mohawk Power Corporation - -

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cc:

Arvin E. Upton, Esquire  
LeBoeuf, Lamb, Leiby & MacRae  
1757 N Street, N. W.  
Washington, D. C. 20036

Anthony Z. Roisman, Esquire  
Berlin, Roisman & Kessler  
1712 N Street, N. W.  
Washington, D. C. 20036

Dr. William Seymour, Staff Coordinator  
New York State Atomic Energy Council  
New York State Department of Commerce  
112 State Street  
Albany, New York 12207

Oswego City Library  
120 E. Second Street  
Oswego, New York 13126

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

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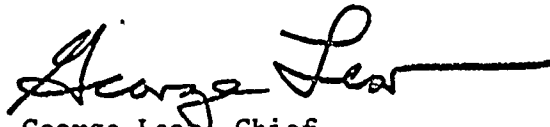
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ENCLOSURE  
REQUEST FOR ADDITIONAL INFORMATION  
ECCS AND GETAB ANALYSES FOR NINE MILE POINT UNIT 1

1. Provide the axial power distribution used in the GETAB analyses.
2. For the two most limiting (MCPR) transients as determined by the GETAB analyses, provide the maximum steamline pressure obtained and the time of limiting MCPR.
3. For the most limiting (MCPR) transient, provide time plots of the following parameters:
  - a) neutron flux
  - b) surface heat flux
  - c) steamline pressure
  - d) vessel pressure
  - e) actual skirt submersion (inches)
  - f) peak fuel center temperature
  - g) feedwater flow
  - h) vessel steam flow
  - i) turbine steam flow
  - j) core inlet flow
  - k) recirculation flow
  - l) turbine pressure rise
  - m) bypass valve flow
  - n) relief valve flow
  - o) safety valve flow
4. For the most limiting (MCPR) transient, provide curves of neutron flux and surface heat flux versus core flow.
5. The general description of the SAFE Code model used in the ECCS analysis is not consistent with the results provided as Figures A-1a through A-1h. Specifically, there is no change in the time of boiling transition for large and small breaks as was described. Provide clarification of the SAFE Code model description.
6. The information provided in support of partial loop operation by your letter dated July 25, 1975 is not acceptable. Our letter of June 18, 1975 provides guidelines in this matter. If partial loop operation is desired, provide adequate justification.
7. Provide an explanation of the different values used for the void coefficient of reactivity as presented in Tables 5-1 and 6-1 of NEDO-20772, "General Electric BWR Reload-5 Licensing Submittal for Nine Mile Point Nuclear Station, Unit 1".

