

May 5, 1995

Mr. B. Ralph Sylvia
Executive Vice President, Nuclear
Niagara Mohawk Power Corporation
Nine Mile Point Nuclear Station
P.O. Box 63
Lycoming, NY 13093

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SUBJECT: NINE MILE POINT NUCLEAR STATION UNIT NO. 1 - REQUEST FOR
ADDITIONAL INFORMATION (TAC NO. M91221)

Dear Mr. Sylvia:

The purpose of this letter is to request additional information related to your license amendment proposal regarding instrument calibration frequency and fuel cladding integrity limits.

In a letter dated December 23, 1994, you submitted a request to amend the technical specifications for fuel cladding integrity limits and for certain instrumentation. In order to complete our review, we require additional information (enclosure).

This requirement affects 9 or fewer respondents and, therefore, is not subject to the Office of Management and Budget Review under P.L. 96-511.

Please provide your response by May 31, 1995, so that we can continue our review consistent with your schedular needs. The enclosure and schedule were discussed with D. Baker of your staff on April 28, 1995.

Sincerely,

Original signed by:

Gordon E. Edison, Senior Project Manager
Project Directorate I-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Docket No. 50-220

Enclosure: Request For Additional
Information

cc w/encl: See next page

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

May 4, 1995

Mr. B. Ralph Sylvia
Executive Vice President, Nuclear
Niagara Mohawk Power Corporation
Nine Mile Point Nuclear Station
P.O. Box 63
Lycoming, NY 13093

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Sincerely,

A handwritten signature in cursive script that reads "Gordon E. Edison".

Gordon E. Edison, Senior Project Manager
Project Directorate I-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Docket No. 50-220

Enclosure: Request For Additional
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cc w/encl: See next page



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B. Ralph Sylvia
Niagara Mohawk Power Corporation

Nine Mile Point Nuclear Station
Unit No. 1

cc:

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Regional Administrator, Region I
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475 Allendale Road
King of Prussia, PA 19406

Ms. Donna Ross
New York State Energy Office
2 Empire State Plaza
16th Floor
Albany, NY 12223



REQUEST FOR ADDITIONAL INFORMATION FOR
NINE MILE POINT NUCLEAR STATION UNIT NO. 1

1. Please provide assurance that the limiting neutron flux transients remain limiting with the new setpoints and with subsequent reloads, or that a new limiting transient will be identified for establishing operating limits. Provide assurance that the limiting Minimum Critical Power Ratio (MCPR) transient is identified with each reload and has not changed with this new setpoint change.
2. Please discuss your analysis of the limiting Anticipated Operational Occurrences (AOOs) assuming a single failure, i.e. the direct position scram, and assume the transient is mitigated by the new higher setpoint neutron flux scram. If the Safety Limit MCPR (SLMCPR) is exceeded assume the fuel rods that are predicted to be in boiling transition are failed and show that the consequences are still an acceptable small fraction of 10 CFR Part 100. See pages 15.1.1-3&4 and 15.2.1-4 of the Standard Review Plan (SRP) for guidance.
3. The discussion of the Control Rod Withdrawal Error (CRWE) needs clarification. The discussion of the CRWE discusses mitigation with the APRM flow-biased rod block system and states this parameter setpoint is increased by 8%. The GE discussion states that the parameter setpoint is increased by 2%. Please clarify this possible inconsistency. The submittal also states that no credit is assumed for the function of this system in the analysis. How is this transient mitigated? What fuel design limits were evaluated when analyzing this event? See pages 15.4.1-3&4 and 15.4.2-3&4 of the SRP for guidance.
4. Please provide assurance that the Inadvertent Startup of a Cold Loop will not become a limiting MCPR event and that all fuel design limit acceptance criteria will not be violated.
5. Please provide assurance that the fuel design limits for the low power transients are always bounded by the reload-specific limiting MCPR full power transients for the changes requested in this license amendment.

Enclosure

