June 3, 1983

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Docket No. 50-220

Mr. G. K. Rhode
Senior Vice President
Niagara Mohawk Power Corporation
300 Erie Boulevard West
Syracuse, New York 13202

Dear Mr. Rhode:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION ON MPA C-11, BWR RPS POWER SUPPLY MODIFICATION

Re: Nine Mile Point Nuclear Station, Unit No. 1

Reference is made to your submittal dated December 1, 1982 which provided information on your review and proposed modifications to the power supply for the Reactor Protection System.

The information was reviewed by our staff and we find that the items identified in the enclosure are required to complete our review.

In order to support our review schedule for this multi-plant activity, you are requested to provide the information within 45 days of the date of receipt of this letter.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,

ORIGINAL SIGNED BY

Domenic B. Vassallo, Chief
Operating Reactors Branch #2
Division of Licensing

Enclosure:
As stated

cc w/enclosure
I. Ahmed
J. Selan (Livermore)

OFFICE	DL:ORB#2	DL:ORB#2	DL:ORB#2				
SURNAME	SNorris	BHermann:pg	DVassallo				
DATE	6/3/83	6/3/83	6/3/83				

Mr. G. K. Rhode
Niagara Mohawk Power Corporation
Nine Mile Point Nuclear Station, Unit No. 1

cc:

Troy B. Conner, Jr., Esq.
Conner & Wetterhahn
Suite 1050
1747 Pennsylvania Ave., NW
Washington, D.C. 20006

Director,
Technological Development Programs
State of New York
Energy Office
Swan Street Building
CORE 1 - Second Floor
Empire State Plaza
Albany, New York 12223

Mr. Robert P. Jones, Supervisor
Town of Scriba
R. D. #4
Oswego, New York 13126

Niagara Mohawk Power Corporation
ATTN: Mr. Thomas Perkins
Plant Superintendent
Nine Mile Point Nuclear Station
P.O. Box 32
Lycoming, New York 13093

U.S. Environmental Protection Agency
Region II Office
Regional Radiation Representative
26 Federal Plaza
New York, New York 10007

Resident Inspector
c/o U.S. NRC
P. O. Box 126
Lycoming, New York 13093

John W. Keib, Esquire
Niagara Mohawk Power Corporation
300 Erie Boulevard West
Syracuse, New York 13202

Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

Mr. Jay Dunkleberger
Division of Policy Analysis and Planning
New York State Energy Office
Agency Building 2, Empire State Plaza
Albany, New York 12223

REQUEST FOR ADDITIONAL INFORMATION

NINE MILE POINT NUCLEAR STATION, UNIT NO. 1

MONITORING OF ELECTRIC POWER TO THE REACTOR PROTECTION SYSTEM

(1) Submit the nominal voltage and frequency at the input to the monitoring system from which the setpoints are selected. Verify that this voltage will ensure the General Electric required normal operating RPS component terminal voltage of 115± 2 volts.

(2) Submit verification that the design and installation of the monitoring system (including control power, independence, etc.) meet the requirements of GDC 2, GDC 21, IEEE 279-1971 and IEEE 384-1974.

(3) Provide procedures for testing the design modifications after installation to ensure that acceptable voltages and frequency are present at the terminals of the RPS components, such as the scram discharge solenoid valve.

(4) Verify from manufacturer data that the overvoltage, undervoltage, and underfrequency trip setpoints with their associated time delays (including tolerances) are acceptable. The acceptable setpoints should ensure adequate protection of all RPS components, such as the scram solenoid discharge valve.

(5) Submit draft proposed Technical Specification changes to incorporate the design modifications in accordance with the standard Technical Specifications (i.e., LCO's, surveillance requirements and trip setpoints). The proposed changes should also include the time delays associated with each trip setpoint.

(6) The underfrequency setpoint (pick up frequency) is to protect the RPS components from abnormal frequency. Explain why the underfrequency setpoints for MG sets 162 and 172 are different from those for MG sets 131 and 141.