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RECIP. NAME RECIPIENT AFFILIATION
ADENSAM, E. G. BWR Project Directorate 3

SUBJECT: Modifies 860702 request for schedular exemption for electrical hydraulic control sys, adding footnote to clarify meaning of term, "opening MSIVs."

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NIAGARA MOHAWK POWER CORPORATION/300 ERIE BOULEVARD WEST, SYRACUSE, N.Y. 13202/TELEPHONE (315) 474-1511

August 29, 1986
(NMP2L 0862)

Ms. Elinor G. Adensam, Director
BWR Project Directorate No. 3
U.S. Nuclear Regulatory Commission
7920 Norfolk Avenue
Washington, DC 20555

Dear Ms. Adensam:

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

My letter of July 2, 1986 (NMP2L 0763), had attached a request that exemption be granted, in accordance with the requirements of 10CFR50.12(a), to permit the completion of construction, pre-operational testing and post test review for the Electrical Hydraulic Control System subsequent to fuel loading. (See Attachment I of NMP2L 0763.)

In the request for schedular exemption of the Electrical Hydraulic Control System, the phrase "after opening of the main steam isolation valve" or "prior to opening the main steam isolation valve" appears several times.

In the "Application for Schedular Exemption Related to Further Analysis of and Possible Modification to Main Steam Isolation Valves" submitted with my letter of August 28, 1986 (NMP2L 0857), a requested exemption to permit fuel loading and performance of those startup tests which can be conducted within the Technical Specifications Operational Conditions 4 and 5, the commitment was made that, "At least one isolation valve in each line will be kept closed and deactivated at all times."

The staff has asked that we modify the request for the schedular exemption for the Electrical Hydraulic Control System to make the wording in it regarding the main steam line isolation valves consistent with that directly above. We are complying by adding a footnote to the request that states:

"Opening the main steam isolation valves," as used herein, means the simultaneous opening of both isolation valves in a main steam line.

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During the pre-operational test of the Electrical Hydraulic Control System, at least one isolation valve in each line will be kept closed and deactivated at all times. The isolation function of the valves is thus ensured.

The attachment to this letter is the revised request. A line appears in the margin to indicate the revision.

Very truly yours,

C. V. Mangan
Senior Vice President

RAC/ar
2027G

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of	)	
Niagara Mohawk Power Corporation	)	Docket No. 50-410
(Nine Mile Point Unit 2)	)	

AFFIDAVIT

C. V. Mangan, being duly sworn, states that he is Senior Vice President of Niagara Mohawk Power Corporation; that he is authorized on the part of said Corporation to sign and file with the Nuclear Regulatory Commission the documents attached hereto; and that all such documents are true and correct to the best of his knowledge, information and belief.

C. V. Mangan

Subscribed and sworn to before me, a Notary Public in and for the State of New York and County of Onondaga, this 29th day of August, 1986.

Christine Austin
Notary Public in and for
Onondaga County, New York

My Commission expires:

CHRISTINE AUSTIN
Notary Public in the State of New York
Qualified in Onondaga Co. No. 4787687
My Commission Expires March 30, 1988

CHRISTINE AUSTIN
Notary Public in the State of New York
Qualified in Onondaga Co. No. 4787607
Commission Expires March 30, 19[illegible]

Attachment I

Electrical Hydraulic Control System

It is requested that a schedular exemption be granted for the performance of the preoperational test of the Electrical Hydraulic Control System for the turbine generating system.

Electrical Hydraulic Control System

As described in FSAR Sections 1.2.5.3, 7.7.1.5 and 10.2.2, the Electrical Hydraulic Control System is used to maintain and control normal power generation of the turbine generating system and to provide protection for the Nine Mile Point Unit 2 turbine during transient conditions. The pressure regulator maintains control of the turbine, including control of the turbine bypass valves. The turbine generator speed-load controls can initiate rapid closure of the turbine control valves (rapid opening of turbine bypass valves) to prevent turbine overspeed on loss of generator electric load.

The system inherent reliability plus operability requirements ensure that the control system will be available to provide the required overspeed protection to the turbine generator and scram inputs to the Reactor Protection System when required.

The Electrical Hydraulic Control System can only perform its protective functions during Startup or Power Operation after opening the main steam* isolation valves. Prior to opening the main steam isolation valves, the turbine cannot be brought to an overspeed condition, nor is reactor power sufficient to require inputs to the Reactor Protection System from any components of the Electrical Hydraulic Control System.

Technical Specifications require that the Electrical Hydraulic Control System, which controls the bypass valves, turbine stop valves and control valves, are tested in accordance with Section 3/4.3.8. This equipment is required for operational conditions 1 and 2. The turbine overspeed protection specification is provided to ensure that turbine overspeed protection system instrumentation and turbine speed control valves are operable and will protect the turbine from excessive overspeed. Therefore, provided that the system is tested prior to opening of the main steam isolation valves, the unit will be in full conformance with the Technical Specifications.

Conclusion

Deferral of the completion of the Electrical Hydraulic Control System preoperational Testing until after opening the mainsteam isolation valves does not present an undue risk to the public health and safety, since this system does not provide any protection function until after the main steam isolation valves have been opened.

*Opening the main steam isolation valve, as used herein, means the simultaneous opening of both isolation valves in a main steam line.

During the pre-operational test of the Electrical Hydraulic Control System, at least one isolation valve in each line will be closed and deactivated at all times. The isolation function is thus ensured.

SPECIAL CIRCUMSTANCES ARE PRESENT

Special circumstances are present which warrant issuance of the requested exemption. These special circumstances are discussed in accordance with the classification contained in 10 CFR 50.12(a)(2):

(ii) Application of the regulation [10 CFR 50.12] in the particular circumstances would not serve the underlying purpose of the rule or is not necessary to achieve the underlying purpose of the rule.

Inasmuch as the Electrical Hydraulic Control System does not play any role in operation of the facility until after opening of the main steam isolation valves, the underlying purpose of the rule may be achieved without it. Thus, special circumstances exist.

(v) The exemption would provide only temporary relief from the applicable regulation and the licensee or applicant has made good faith efforts to comply with the regulation.

As discussed above, only temporary relief is being sought because the system is not needed until after opening of the main steam isolation valves. Good faith efforts are underway to expedite the testing effort on these systems. Thus, special circumstances are present which warrant the granting of the requested exemption.