SEP 30 1976

Distribution
Docket
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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:

RE: NINE MILE POINT UNIT NO. 1

In accordance with the requirements of the Mark I Containment Evaluation Short Term Program (STP), you have recently submitted a Plant Unique Analysis (PUA) of the effects of potential post-LOCA hydrodynamic loads on the suppression chamber (torus) support system and on the piping attached to the torus for your Mark I BWR facility. The hydrodynamic loads which were considered in your PUA had been adjusted to reflect certain assumed initial conditions for operation of your facility; i.e: operation with a specified differential pressure between the drywell and the torus, and operation near the minimum torus water level allowed by Technical Specifications. Both of these assumptions result in a reduction in post-LOCA hydrodynamic loads on the Mark I Containment structures. Consequently, in order to assure that the PUA results may be conservatively applied to the STP evaluation of your facility's primary containment, the NRC staff has determined that the above-mentioned assumptions utilized in your PUA must be reflected in the Technical Specifications for your facility.

With respect to drywell-torus differential pressure control assumed in your PUA, we request that you submit an application for license amendment to incorporate the requirements of the enclosed model technical specifications. Your application should include the following supporting information:

a. A description of the methods used to establish and maintain drywell-torus differential pressure at your facility.

b. A description of any system changes or valve lineup changes which are required to implement drywell-torus differential pressure control.

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SURNAME ➤						
DATE ➤						

c. A description of the instrumentation which you will utilize to monitor the drywell-torus differential pressure. This description should include (1) the range and accuracy of the instrumentation, (2) the number of instrument channels available, (3) the location of instrument channel readouts, and (4) the Technical Specification requirements which currently exist for the instrumentation. If Technical Specification requirements do not currently exist for this instrumentation, your application for license amendment should include proposed changes to incorporate appropriate Limiting Conditions for Operation and Surveillance Requirements.

With respect to the effects of variations in the torus water level on the PUA results for your facility, if you determine that the PUA results are not applicable for the range of torus water levels currently allowed by your Technical Specifications, you must either provide supplemental information which demonstrates that the PUA structural acceptance criteria are met for the currently specified range of torus water levels or submit an application for license amendment to change your Technical Specification limits for torus water level to a range over which the PUA structural acceptance criteria are met. In either case we request that you provide a description of the torus water level instrumentation at your facility. This description should include (1) the range and accuracy of the instrumentation, (2) the number of instrument channels available, (3) the location of instrument channel readouts, and (4) the Technical Specification requirements which currently exist for the instrumentation. If Technical Specification requirements do not currently exist for this instrumentation, your application for license amendment should include proposed changes to incorporate appropriate Limiting Conditions for Operation and Surveillance Requirements.

We require that the above-mentioned application for license amendment and supporting information be submitted within 30 days of receipt of this letter. Three signed originals and 40 copies of your response will be required.

This request for generic information was approved by GAO under a blanket clearance number B-180225 (R0072); this clearance expires July 31, 1977.

Sincerely,

Original signed by

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

Enclosure:
Model Technical Specifications

OFFICE	cc: See next page		ORB #3	ORB #3	ORB #3
SURNAME			SNowicki	JGuibert:mjf	GLear
DATE			9/29/76	9/29/76	9/30/76

cc: Arvin E. Upton, Esquire
LeBoeuf, Lamb, Leiby & MacRae
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Oswego City Library
120 E. Second Street
Oswego, New York 13126

LIMITING CONDITIONS FOR OPERATION	SURVEILLANCE REQUIREMENTS
3.7 CONTAINMENT SYSTEMS	4.7 CONTAINMENT SYSTEMS
Drywell-Suppression Chamber Differential Pressure	Drywell-Suppression Chamber Differential Pressure
a. Differential pressure between the drywell and suppression chamber shall be maintained at equal to or greater than 1.XX psid except as specified in (1) and (2) below: (1) This differential shall be established within 24 hours of achieving operating temperature and pressure. (2) This differential may be decreased to less than 1.XX psid for a maximum of two hours during required operability testing of the HPCI system pump, the RCIC system pump, and the drywell-pressure suppression chamber vacuum breakers.	a. The pressure differential between the drywell and suppression chamber shall be recorded at least once each shift.
b. If the differential pressure of specification 3.7.a cannot be maintained, an orderly shutdown shall be initiated and the reactor shall be in the Hot Shutdown condition within 12 hours and the Cold Shutdown condition within the following 24 hours.	