

August 27, 1987

MEMORANDUM FOR: Sholly Coordinator
FROM: Robert A. Capra, Acting Director
Project Directorate I-1
Division of Reactor Projects, I/II
SUBJECT: REQUEST FOR PUBLICATION IN BI-WEEKLY FR NOTICE -
NOTICE OF CONSIDERATION OF ISSUANCE OF AMENDMENTS
TO FACILITY OPERATING LICENSE AND PROPOSED NO
SIGNIFICANT HAZARDS CONSIDERATION DETERMINATION
AND OPPORTUNITY FOR A HEARING (TAC 62288)

DISTRIBUTION
Docket File
NRCPDR J. Scinto
C. Vogan
B. Benedict
PDI-1 Rdg.

Niagara Mohawk Power Corporation, Docket No. 50-220, Nine Mile Point Nuclear
Station, Unit No. 1, Oswego County, New York

Date of amendment request: August 21, 1986

Description of amendment request: The proposed amendment would: (1) revise the end-of-cycle thermal power limit to "forty (40) percent minimum", (2) revise the existing end-of-cycle limiting condition for operation from license condition 2.C.(3), and (3) add the new end-of-cycle limiting condition for operation to Technical Specification (TS) Section 3.1.7h.

Basis for proposed no significant hazards consideration determination: The Commission has provided standards for determining whether a significant hazards consideration exists as stated in 10 CFR 50.92(c).

The licensee has determined and the NRC staff agrees that the proposed amendment will not:

(1) Involve a significant increase in the probability or consequences of an accident previously evaluated. The original intent of the end-of-cycle thermal power limit was to provide a precautionary measure to

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prevent operation in unanalyzed areas. The proposed revision takes credit for the General Electric generic BWR analysis which is a part of Amendment No. 7 to GESTAR (NEDE-24011-P-A-7-US) dated August 1985. GESTAR is the licensing topical report for reload analysis applicable to Nine Mile Point Unit 1 which has received NRC approval. General Electric concluded that the end-of-cycle licensing analysis conservatively bounds coastdown operation to 40 percent power. The proposed change does not change the original intent of License Condition 2.C.(3), but revises it to reflect more recent analyses. Removing this limiting condition for operation from the license and adding it to Section 3.1.7H of the TS is requested for administrative purposes. This change also provides clarification that this limiting condition for operation applies to coastdown operations for all fuel cycles.

(2) Create the possibility of a new or different kind of accident from any accident previously evaluated. The proposed amendment would restrict plant operation to the area analyzed and approved for end-of-cycle coastdown, thus precluding the possibility of an unanalyzed accident or malfunction.

(3) Involve a significant reduction in the margin of safety. The General Electric analysis was performed over a range of power with the safety limits analyzed including MCPR, Peak Heat Flux and peak vessel pressurization. The margin to all safety limits analyzed increased linearly as power decreased. The change to 40 percent power merely reflects the boundary conditions of the end-of-cycle licensing analysis.

Accordingly, the staff has made a proposed determination that the application for amendment involves no significant hazards consideration.

Local Public Document Room location: State University of New York, Penfield Library, Reference and Documents Department, Oswego, New York 13126.

Attorney for licensee: Troy B. Conner, Jr., Esquire, Conner & Wetterhahn, Suite 1050, 1747 Pennsylvania Avenue, N.W., Washington, DC 20006.

NRC Project Director: Robert A. Capra, Acting Director

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