

August 12, 1994

Docket No. 50-410

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

Dear Mr. Sylvia:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING PROPOSED POWER UPRATE
FOR NINE MILE POINT NUCLEAR STATION, UNIT 2 (NMP2) (TAC NO. M87088)

By letter dated July 22, 1993, Niagara Mohawk Power Corporation (NMPC),
proposed a license amendment to allow NMP2 to operate at an uprated power of
3467 megawatts thermal.

The NRC staff has begun its review of NMPC's July 22, 1993, submittal.
However, we have determined that additional information, as identified in the
enclosure, is required to complete our review of the submittal. As indicated
in the attached request for additional information (RAI), justification for
deviating from the guidance provided in Regulatory Guide 1.52 (Revision 2)
with regards to charcoal loading capacity of the Standby Gas Treatment System
is required. NMPC is requested to respond to this RAI within 30 days of
receipt of this letter in order for us to complete our review in a timely
manner.

This requirement affects one respondent and, therefore, is not subject to
Office of Management and Budget review under P.L. 96-511.

Sincerely,

Original signed by:

Donald S. Brinkman, Senior Project Manager
Project Directorate I-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

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PDR ADOCK 05000410
P PDR

Enclosure:
Request for Additional
Information

cc w/enclosure:
See next page

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UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

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Sincerely,

A handwritten signature in cursive script that reads "Donald S. Brinkman".

Donald S. Brinkman, Senior Project Manager
Project Directorate I-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosure:
Request for Additional
Information

cc w/enclosure:
See next page

Mr. B. Ralph Sylvia
Niagara Mohawk Power Corporation

Nine Mile Point Nuclear Station
Unit 2

cc:

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REQUEST FOR ADDITIONAL INFORMATION
REGARDING PROPOSED POWER UPRATE
NIAGARA MOHAWK POWER CORPORATION
NINE MILE POINT NUCLEAR STATION, UNIT 2
DOCKET NO. 50-410

The Standby Gas Treatment System (SGTS) at Nine Mile Point Nuclear Station, Unit 2 (NMP2), is designed to minimize offsite dose rates during venting and purging of both the primary and secondary containment atmosphere under accident or abnormal conditions, while containing airborne particulate and halogens that might be present.

Enclosure 3, page 4-8 of the July 22, 1993, power uprate submittal states:

"The current charcoal loading (1260 lbs) is designed to be in compliance with Regulatory Guide 1.52 (Rev 2) with the exception of charcoal loading capacity. The NMP2 SGTS is designed for a charcoal loading capacity of 10mgI/gC per USAR [Update Safety Analysis Report] Table 1.8-1, as compared to a value of 2.5mgI/gC per Regulatory Guide 1.52 (Rev 2), and meets the design requirements for 30-day and 100-day LOCA [loss-of-coolant accident] scenarios. The total post-LOCA iodine loading increases less than 4.3% at the uprated conditions and remains within the 10mgI/gC loading capability of the system as documented in USAR Table 1.8-1, and is sufficient for uprated operation."

Provide justification for deviating from the guidance provided in Regulatory Guide 1.52 (Rev 2) with regards to the charcoal loading capacity of the SGTS.