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 FACIL: 50-410 Nine Mile Point Nuclear Station, Unit 2, Niagara Moha 05000410
 AUTH. NAME AUTHOR AFFILIATION
 MANGAN, C. V. Niagara Mohawk Power Corp.
 RECIP. NAME RECIPIENT AFFILIATION
 ADENSAM, E. G. BWR Project Directorate 3

SUBJECT: Forwards response to questions re MSIVs based on review of
 861216 ltr. Specific concerns re Section VIII, prototype
 testing schedule. CV Mangan 870107 affidavit encl.

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January 7, 1987
(NMP2L 0967)

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

This letter responds to questions identified by your staff with respect to the Main Steam Isolation Valves (MSIVs). These questions are based on your staff's review of our letter dated December 16, 1986 (NMP2L 0955). Specific concerns relate to Section VIII, Prototype Testing Schedule, and responses are provided as an attachment.

Very truly yours,



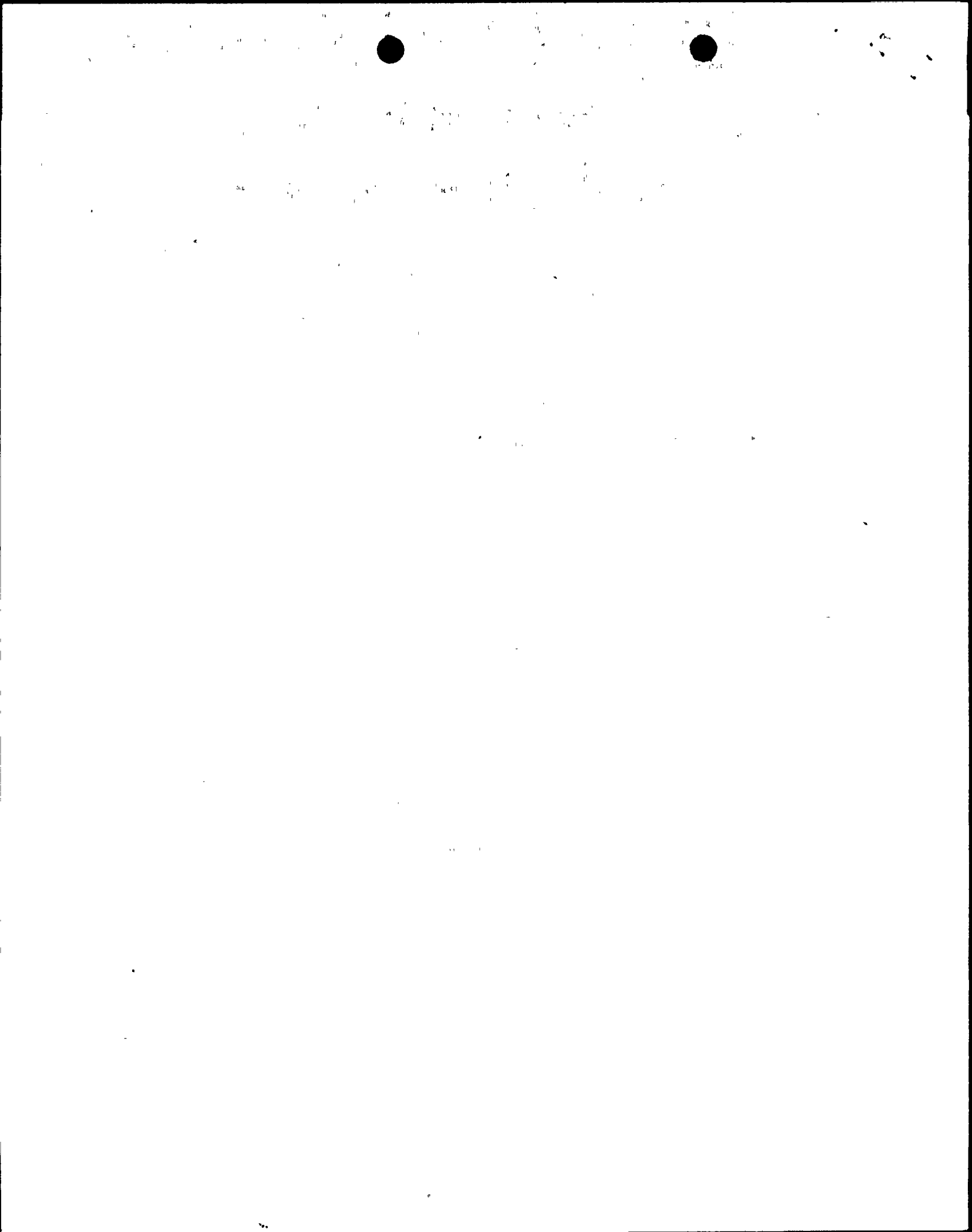
C. V. Mangan
Senior Vice President

TS/pns
2400G

xc: W. A. Cook, NRC Resident Inspector
Project File (2)

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ATTACHMENT

Question 1: With respect to the use of the word "similar" describing the test valve and actuator, provide the particulars of any differences between the test valve and actuator and the ones installed at Nine Mile Point Unit 2.

Response: The prototype test valve body will be the same nominal size and materials as the installed MSIVs. The ball and seats will be the same size and materials as the installed MSIVs. All other valve components will be physically the same. There may be some minor differences in materials and material documentation due to availability. Also, ASME Code classification will not be maintained on the test valve.

The prototype test valve actuator will be the spare Niagara Mohawk actuator used in all previous testing programs. It will be modified to incorporate all of the hydraulic system changes made on the installed actuators. Therefore, the test actuator will be functionally the same. However, some components will not necessarily have the same level of documentation. There will also be some minor differences, not affecting actuator function, in a few structural members.

The exact configuration of the test valve and actuator will be fully described, and any differences with the installed valves and actuators justified, in the final report.

Question 2: With respect to the description of "steam flow consistent with test facility limitations," provide the limitations and how the steam flow will compare to actual steam flow at Nine Mile Point Unit 2.

Response: The test facility is capable of developing approximately 400,000 lb/hr steam flow for a 5 to 10 second duration. A minimum of 300,000 lb/hr is required to develop the desired differential pressure. This steam flow is equivalent to approximately 10% full power steam flow at Nine Mile Point Unit 2. While full power steam flow is not available, the differential pressure and temperature experienced at full power will be simulated at the test facility, thereby testing the assembly at operating conditions.



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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 7th day of January, 1987.

Beth A. Menikheim
Notary Public in and for
Onondaga County, New York

My Commission expires:
BETH A. MENIKHEIM
Notary Public in the State of New York
Qualified in Onondaga County No. 480407
My Commission Expires August 31, 1988

10-11-44

FORM 100
U.S. DEPARTMENT OF AGRICULTURE
WASHINGTON, D. C.