



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555

Docket Nos. 50-220  
and 50-410

June 24, 1991

Mr. B. Ralph Sylvia  
Executive Vice President, Nuclear  
Niagara Mohawk Power Corporation  
301 Plainfield Road  
Syracuse, New York 13211

Dear Mr. Sylvia:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION RE: GENERIC LETTER (GL) 89-10,  
SUPPLEMENT 3: "CONSIDERATION OF THE RESULTS OF NRC-SPONSORED TESTS  
OF MOTOR-OPERATED VALVES" (TAC NOS. 77787 AND 77788)

By letters dated March 7, 1991, for Unit 1 and March 12, 1991, for Unit 2, Niagara Mohawk Power Corporation submitted a response to the 120-day, 10 CFR 50.54(f), reporting requirements of GL 89-10, Supplement 3, for Nine Mile Point Nuclear Station Units 1 and 2. After reviewing your responses, the NRC staff has concluded that the additional information identified in the enclosures is necessary to make a safety determination regarding the subject motor-operated valves.

Response to the enclosed Request for Additional Information (RAI) is requested within 30 days from receipt of this letter.

This request is covered by Office of Management and Budget Clearance Number 3150-0011, which expires June 30, 1991. The estimated average burden hours are 80 person-hours per licensee response, including searching data sources, gathering and analyzing the data, performing data evaluations, and preparing the required letters. These estimated average burden hours pertain only to the identified response-related matters and do not include the time for actual implementation of the requested action. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Information and Records Management Branch, Division of Information Management, U.S. Nuclear Regulatory Commission, Washington, DC, 20555, and to the Paperwork Reduction Project (3150-0011), Office of Management and Budget, Washington, DC, 20503.

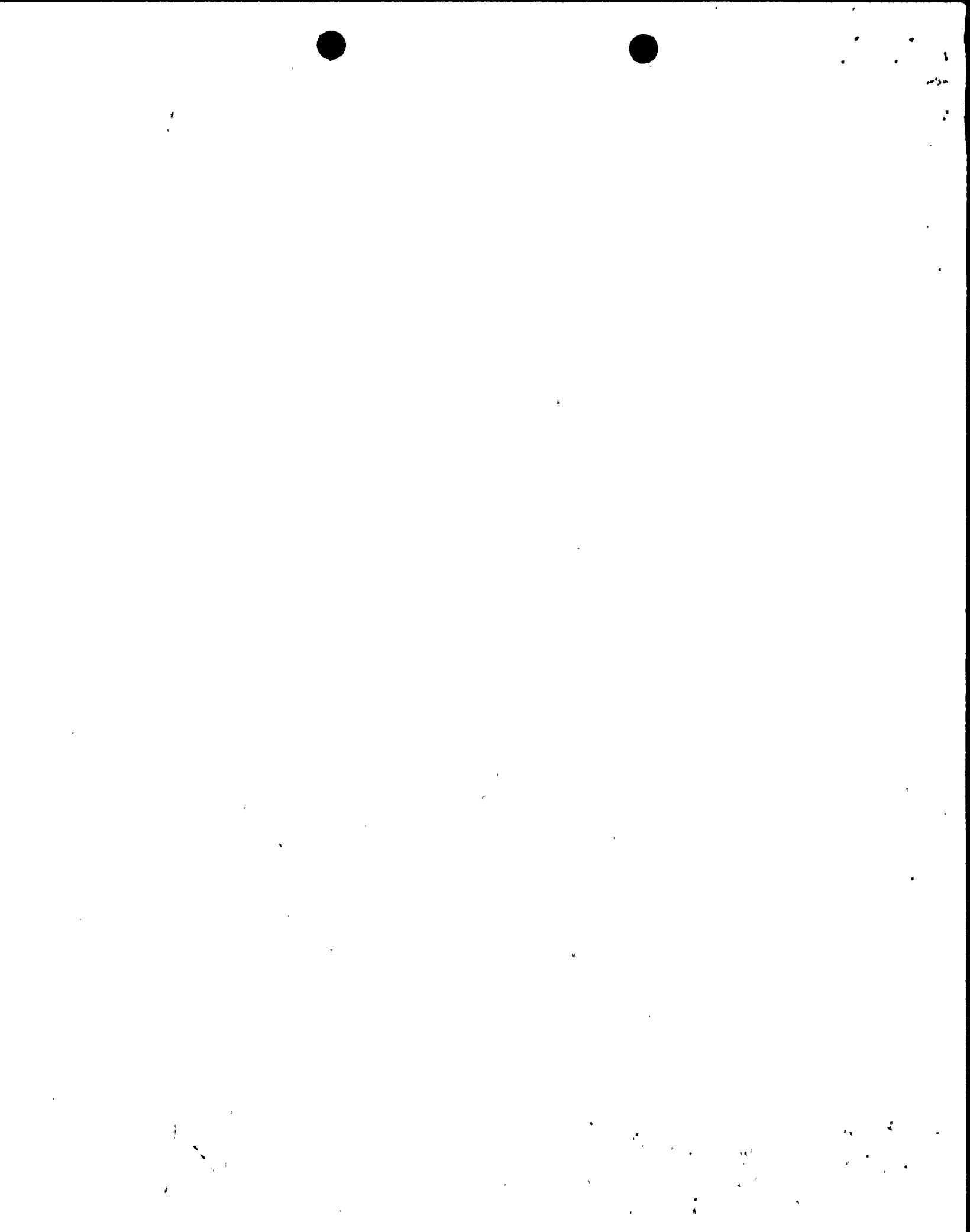
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June 24, 1991

Should you have any questions regarding this RAI, please contact me at (301) 492-1409.

Sincerely,

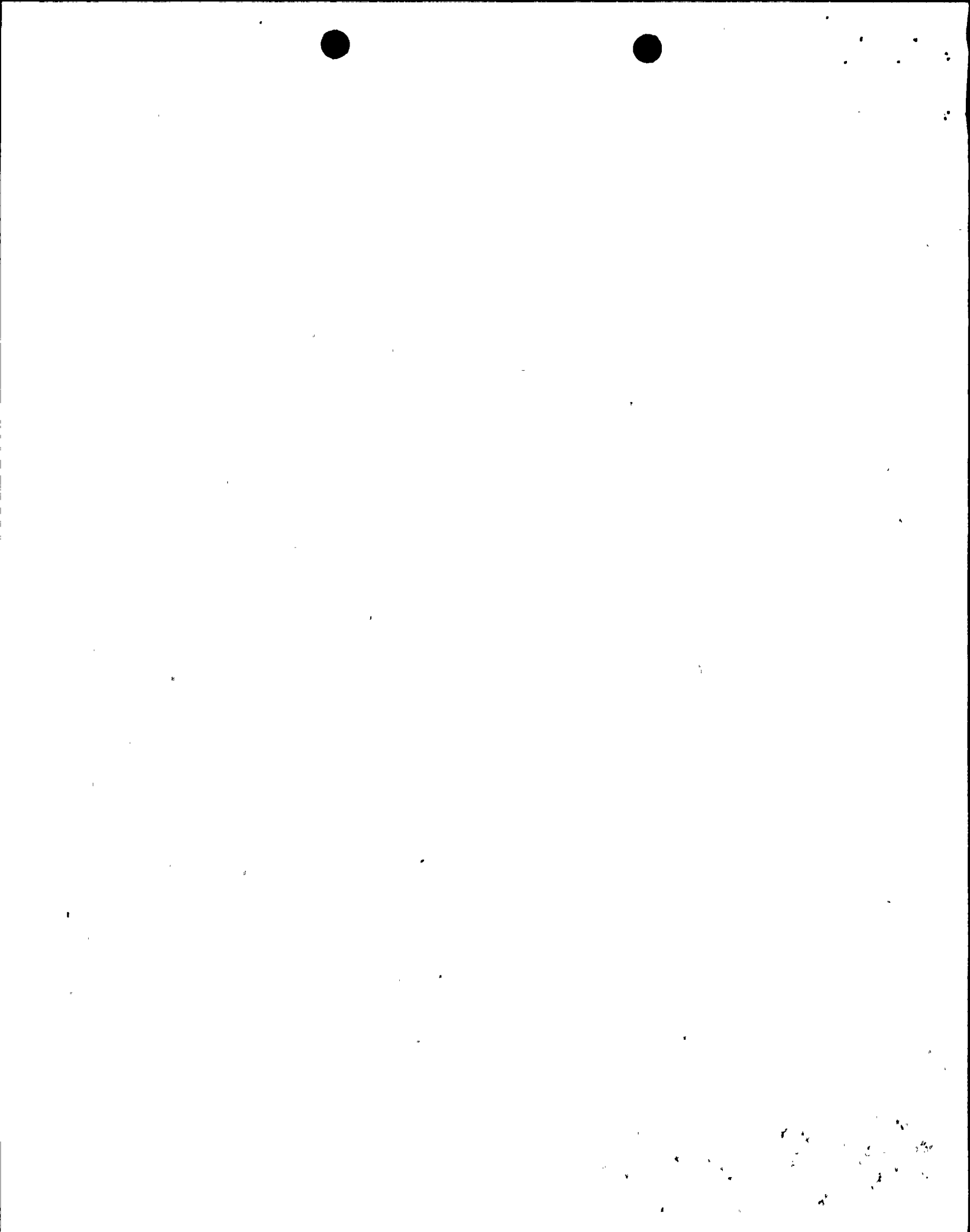
*Donald S. Brinkman*

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

Enclosures:

1. Unit 1 RAI
2. Unit 2 RAI

cc w/enclosures:  
See next page



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Niagara Mohawk Power Corporation

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Mr. Martin J. McCormick Jr.  
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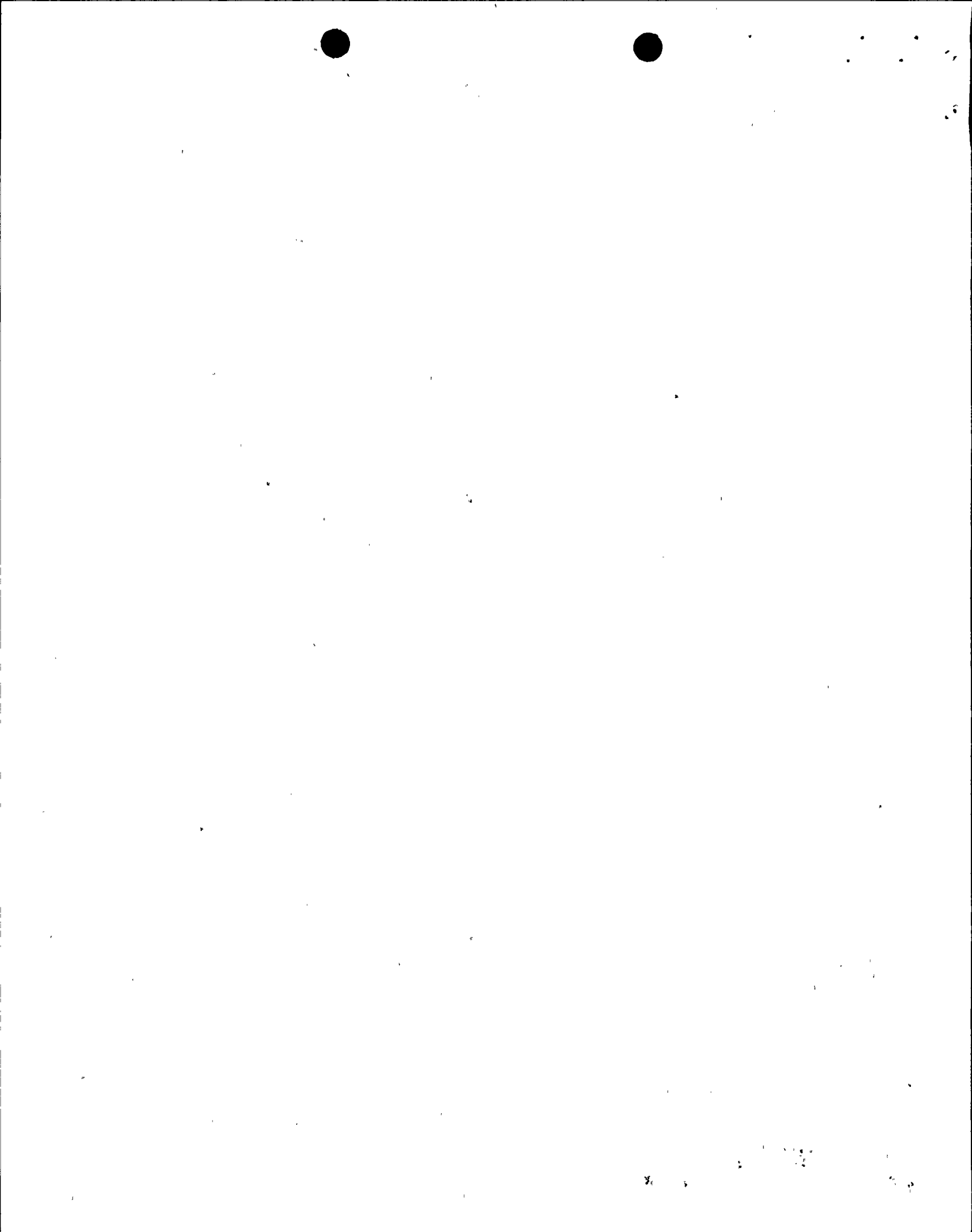
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Chair and Executive Director  
State Consumer Protection Board  
99 Washington Avenue  
Albany, New York 12210



REQUEST FOR ADDITIONAL INFORMATION  
REGARDING SUPPLEMENT 3 TO GENERIC LETTER 89-10,  
"CONSIDERATION OF THE RESULTS OF NRC-SPONSORED TESTS OF  
MOTOR-OPERATED VALVES"  
NIAGARA MOHAWK POWER CORPORATION  
NINE MILE POINT NUCLEAR STATION UNIT NO. 1  
DOCKET NO. 50-220

The following information is requested to continue our review of your response to Supplement 3 of GL 89-10:

1. Identify any modifications (e.g., torque switch setting adjustments, gearing changes, or motor/actuator replacement) for each MOV within the scope of Supplement 3 to GL 89-10 since June 1990 or planned for the future.
2. Provide the actuator and motor sizes, and information necessary to confirm motor adequacy for each MOV within the scope of Supplement 3 to GL 89-10.
3. In Information Notice 90-72 (November 28, 1990), "Testing of Parallel Disc Gate Valves in Europe," the NRC staff indicates that foreign utilities are using a valve factor of 0.4 for a new German design of parallel disk gate valves. What is your justification for using a valve factor of 0.2 for parallel disk gate valves? How do you plan to confirm the sizing of the motor operator and its torque switch settings for the parallel disk design in your valves?
4. Has the leakage rate with an MOV 95% closed been evaluated? Will the Appendix J or ASME Code leakage limits be met at that percent closure?
5. How have you addressed the rate of loading phenomenon in MOV sizing and torque switch settings?





REQUEST FOR ADDITIONAL INFORMATION  
REGARDING SUPPLEMENT 3 TO GENERIC LETTER 89-10  
"CONSIDERATION OF THE RESULTS OF NRC-SPONSORED TESTS OF  
MOTOR-OPERATED VALVES"  
NIAGARA MOHAWK POWER CORPORATION  
NINE MILE POINT NUCLEAR STATION, UNIT 2  
DOCKET NO. 50-410

The following information is requested to continue our review of your response to Supplement 3 of GL 89-10:

1. Identify any modifications (e.g., torque switch setting adjustments, gearing changes, or motor/actuator replacement) for each MOV within the scope of Supplement 3 to GL 89-10 since June 1990 or planned for the future.
2. Has the leakage rate with an MOV 95% closed been evaluated? Will the leakage limits of Appendix J or ASME Code be met with this percent MOV closure?
3. Provide the actuator and motor type/size, and information necessary to confirm motor adequacy for each MOV within the scope of Supplement 3 to GL 89-10.
4. What are the current torque switch settings for RCIC MOV (2ICS\*MOV128) in pounds thrust?
5. How have you addressed the rate of loading phenomenon in MOV sizing and torque switch settings?



1



June 24, 1991

Should you have any questions regarding this RAI, please contact me at (301) 492-1409.

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

Enclosures:

- 1. Unit 1 RAI
- 2. Unit 2 RAI

cc w/enclosures:  
See next page

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