



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D. C. 20555

AUG 06 1986

Docket No. 50-220

Niagara Mohawk Power Corporation  
ATTN: Mr. C. V. Mangan  
Senior Vice President  
c/o Miss Catherine R. Seibert  
300 Erie Boulevard West  
Syracuse, NY 13202

Dear Mr. Mangan:

SUBJECT: SAFETY EVALUATION - APPENDIX R, FULL COVERAGE DETECTION AND  
SUPPRESSION SYSTEMS (TAC 53390)

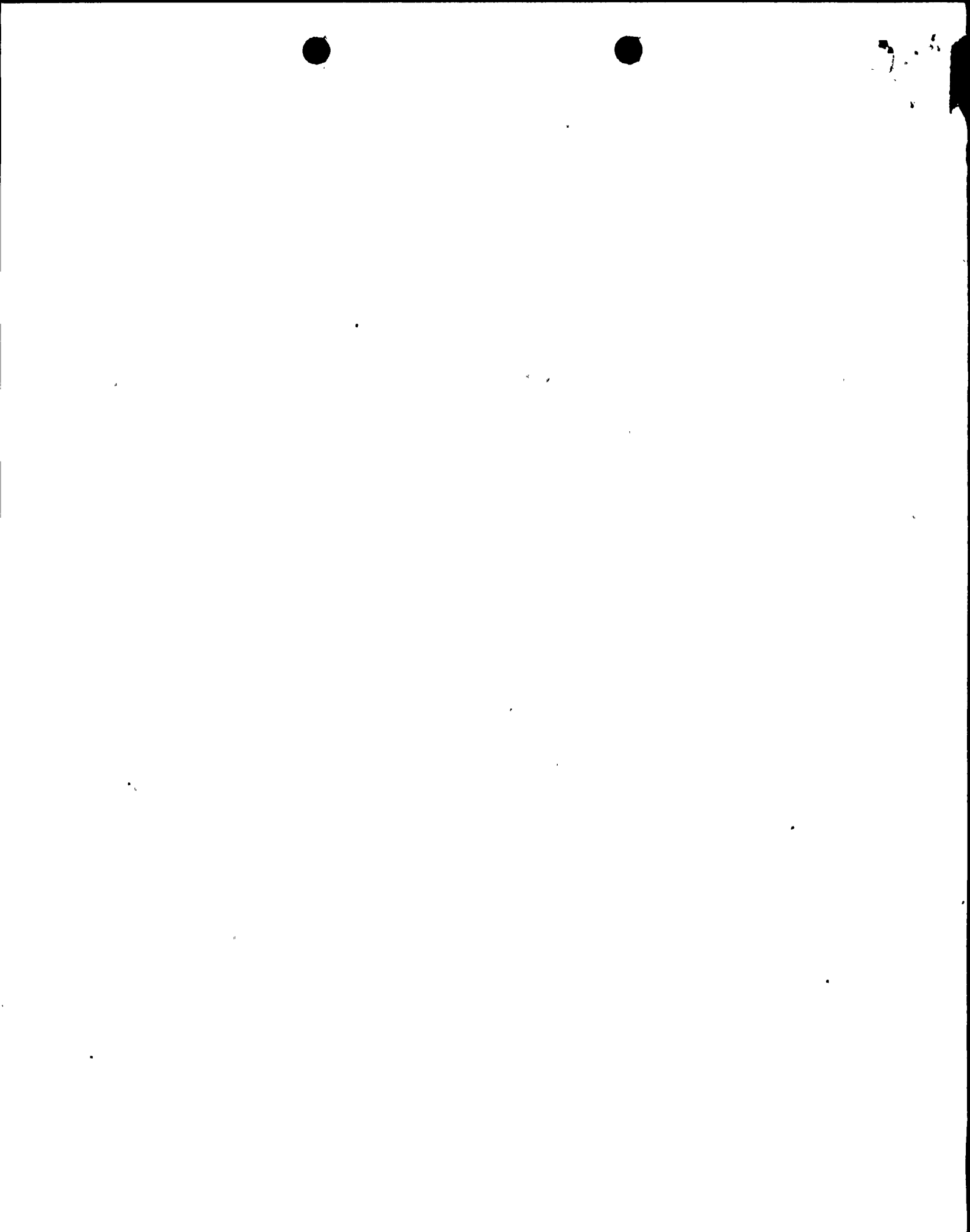
Re: Nine Mile Point Nuclear Station, Unit No. 1

Generic Letter 83-33, dated October 19, 1983, stated that to satisfy the requirements of Subsections III.G.2.b., III.G.2.c and III.G.2.e of Appendix R to 10 CFR Part 50, fire detectors and automatic suppression systems need to be installed "throughout" the fire area. By letter dated December 22, 1983, you requested an exemption from these requirements, as interpreted in GL 83-33, for the Reactor Building. At the Appendix R Lessons Learned Workshop held in Region I on April 18, 1984, the NRC informed the industry of a draft revised interpretation of the above noted subsections that would accept partial coverage detection and automatic suppression systems that were supported by a fire hazards analysis as meeting the requirements of the subsections.

Accordingly, by letter dated May 11, 1984, you withdrew the exemption request dated December 22, 1983. However, the supporting analysis for the partial coverage detection and suppression systems remained for staff review and approval. During the period January 21-25, 1985, the NRC inspected the facility and reviewed your analysis for the reactor building. The inspection team requested additional information, and the issues were referred to NRR for resolution. By letter dated February 11, 1985, you provided the additional information requested by the inspection team.

The above-mentioned revised interpretation was approved by the Commission on March 6, 1986 (SECY 85-306/306B). Therefore, we have evaluated the lack of full coverage detection and suppression systems for compliance with this interpretation, and find it acceptable. In addition, we find your Fire Break

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C. V. Mangan

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Zone concept to be acceptable. The Safety Evaluation supporting our findings is enclosed.

Sincerely,

ORIGINAL SIGNED BY

John A. Zwolinski, Director  
BWR Project Directorate #1  
Division of BWR Licensing

Enclosure:  
Safety Evaluation

cc w/enclosure:  
See next page

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AUG 06 1986

Mr. C. V. Mangan  
Niagara Mohawk Power Corporation

Nine Mile Point Nuclear Station,  
Unit No. 1

cc:

Troy B. Conner, Jr., Esquire  
Conner & Wetterhahn  
Suite 1050  
1747 Pennsylvania Avenue, N. W.  
Washington, D. C. 20006

Frank R. Church, Supervisor  
Town of Scriba  
R. D. #2  
Oswego, New York 13126

Niagara Mohawk Power Corporation  
ATTN: Mr. Thomas Perkins  
Plant Superintendent  
Nine Mile Point Nuclear Station  
Post Office Box 32  
Lycoming, New York 13093

Resident Inspector  
U. S. Nuclear Regulatory Commission  
Post Office Box 126.  
Lycoming, New York 13093

John W. Keib, Esquire  
Niagara Mohawk Power Corporation  
300 Erie Boulevard West  
Syracuse, New York 13202

Regional Administrator, Region I  
U. S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, Pennsylvania 19406

Mr. Jay Dunkleberger  
Division of Policy Analysis  
and Planning  
New York State Energy Office  
Agency Building 2  
Empire State Plaza  
Albany, New York 12223

