

May 12, 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, New York 13202

Dear Mr. Mangan:

SUBJECT: EMERGENCY COOLING SYSTEM OPERABILITY (TAC 60580)

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

The Commission has issued the enclosed Amendment No. 82 to Facility Operating License No. DPR-63 for the Nine Mile Point Nuclear Station, Unit No. 1. This amendment is in response to your application dated January 28, 1986. The amendment modifies the Technical Specifications to eliminate the requirement for Emergency Cooling System (Emergency Condenser) operability during hydrostatic testing with the reactor not critical and reactor coolant temperature greater than 212°F.

A copy of our related Safety Evaluation is also enclosed. The Notice of Issuance will be included in the Commission's biweekly Federal Register notices.

Sincerely,

**ORIGINAL SIGNED BY**

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

Enclosures:

- 1. Amendment No. 82 to License No. DPR-63
- 2. Safety Evaluation

cc w/enclosures:  
See next page

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Mr. C. V. Mangan  
Niagara Mohawk Power Corporation

Nine Mile Point Nuclear Station,  
Unit No. 1

cc:

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

NIAGARA MOHAWK POWER CORPORATION

DOCKET NO. 50-220

NINE MILE POINT NUCLEAR STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No.82  
License No. DPR-63

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Niagara Mohawk Power Corporation (the licensee) dated January 28, 1986, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-63 is hereby amended to read as follows:

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P PDR

ATTACHMENT TO LICENSE AMENDMENT NO. 82

FACILITY OPERATING LICENSE NO. DPR-63

DOCKET NO. 50-220

Revise the Appendix A Technical Specifications by removing the pages identified below and inserting the attached pages. The revised pages are identified by the captioned amendment number and contain marginal lines indicating the area of change.

REMOVE

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INSERT

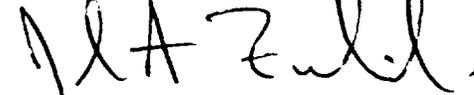
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(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No.82 , are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



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

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: May 12, 1986.

LIMITING CONDITION FOR OPERATION

3.1.3 EMERGENCY COOLING SYSTEM

Applicability:

Applies to the operating status of the emergency cooling system.

Objective:

To assure the capability of the emergency cooling system to cool the reactor coolant in the event the normal reactor heat sink is not available.

Specification:

- a. During power operating conditions and whenever the reactor coolant temperature is greater than 212°F except for hydrostatic testing with the reactor not critical, both emergency cooling systems shall be operable except as specified in 3.1.3.b and c.
- b. During the remainder of Cycle 8 with one emergency cooling system inoperable, Specification 3.1.3a shall be considered fulfilled, provided the additional surveillance required in 4.1.3.f is performed.
- c. During Cycle 9 and subsequent cycles, if one emergency cooling system becomes inoperable, Specification 3.1.3.a shall be considered fulfilled, provided that the inoperable system is returned to an operable condition within 7 days and the additional surveillance required in 4.1.3.f is performed.

SURVEILLANCE REQUIREMENT

4.1.3 EMERGENCY COOLING SYSTEM

Applicability:

Applies to periodic testing requirements for the emergency cooling system.

Objective:

To assure the capability of the emergency cooling system for cooling of the reactor coolant.

Specification:

The emergency cooling system surveillance shall be performed as indicated below:

- a. At least once every five years -  
The system heat removal capability shall be determined.
- b. At least once daily -  
The shell side water level and makeup tank water level shall be checked.
- c. At least once per month -  
The makeup tank level control valve shall be manually opened and closed.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 82 TO FACILITY OPERATING LICENSE NO. DPR-63

NIAGARA MOHAWK POWER CORPORATION

NINE MILE POINT NUCLEAR STATION, UNIT NO. 1

DOCKET NO. 50-220

1.0 INTRODUCTION

By application dated January 28, 1986, Niagara Mohawk Power Corporation (the licensee) requested an amendment to Appendix A of Facility Operating License No. DPR-63 for Nine Mile Point Nuclear Station, Unit No. 1. The amendment would modify the Technical Specifications (TS) to eliminate the requirement for Emergency Cooling System (Emergency Condenser) operability during hydrostatic testing with the reactor not critical and reactor coolant temperature greater than 212°F.

2.0 EVALUATION

The proposed change to the TS requested by the licensee deletes the requirement for operability of the Emergency Condenser during hydrostatic testing while the reactor coolant temperature is in excess of 212°F and the reactor is not critical.

The Emergency Cooling System provides removal of decay heat in the event that feedwater capability is lost and the main condenser is not available. The system is designed as a redundant backup to the main condenser following reactor vessel isolation and scram. It is not a part of the Emergency Core Cooling or Residual Heat Removal Systems. Further, during hydrostatic testing, control rods are fully inserted and the reactor is maintained in a shutdown mode. Therefore, the intended function of the Emergency Cooling System is not required when the hydrostatic test is performed. Based on the above, the staff concludes that the proposed change to TS Section 3.1.3 is acceptable.

3.0 ENVIRONMENTAL CONSIDERATION

This amendment involves a change to a requirement with respect to the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical

exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement nor environmental assessment need be prepared in connection with the issuance of this amendment.

#### 4.0 CONCLUSION

The staff has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security nor to the health and safety of the public.

Principal Contributor: T. M. Su

Dated: May 12, 1986.