July 12, 1989

Docket No. 50-410

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Mr. Lawrence Burkhardt III
Executive Vice President, Nuclear Operations
Niagara Mohawk Power Corporation
301 Plainfield Road
Syracuse, New York 13212

Dear Mr. Burkhardt:

SUBJECT: ISSUANCE OF AMENDMENT (TAC NO. 68154)

The Commission has issued the enclosed Amendment No. 10 to Facility Operating License No. NPF-69 for the Nine Mile Point Nuclear Station Unit No. 2 (NMP-2). The amendment consists of changes to the Technical Specifications in response to your application transmitted by letter dated April 21, 1988.

This amendment revises the Technical Specifications by transferring the air start receiver requirements for EDG *2 from 4.8.1.1.2.a.7 to 4.8.1.1.2.a.8 and reducing the minimum allowable pressure for the Division III (EDG*2) emergency standby diesel generator air start receivers from 225 psig to 190 psig.

A copy of the related Safety Evaluation is enclosed. A Notice of Issuance will be included in the Commission's next regular bi-weekly Federal Register notice.

Sincerely,

Original signed by

Marylee M. Slosson, Project Manager
Project Directorate I-1
Division of Reactor Projects, I/II

Enclosures:
1. Amendment No. 10 to NPF-69
2. Safety Evaluation

cc: w/enclosures
See next page

DF01
1/1

[AMEND 68154 NMP2]

* See previous concurrence

OFC	:PDI-1 *	:PDI-1 *	:PDI-1	:~~SELB~~ SPLB *	:OGC *	:PDI-1
NAME	:CVogan	:VMcCree/bah	:MSlosson MS	:~~FRosa~~ IWERMIEL	:CBARTH	:RCapra
DATE	:6/12/89	:6/19/89	:6/11/89	:6/21/89	:6/29/89	:7/12/89

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

NIAGARA MOHAWK POWER CORPORATION

DOCKET NO. 50-410

NINE MILE POINT NUCLEAR STATION, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 10
License No. NPF-69

1. The Nuclear Regulatory Commission (the Commission) has found that:

   A. The application for amendment by Niagara Mohawk Power Corporation (the licensee) dated April 21, 1988 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. NPF-69 is hereby amended to read as follows:

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A and the Environmental Protection Plan contained in Appendix B, both of which are attached hereto, as revised through Amendment No. 10 are hereby incorporated into this license. Niagara Mohawk Power Corporation shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. This license amendment is effective as of the date of its issuance to be implemented within 30 days.

FOR THE NUCLEAR REGULATORY COMMISSION

Robert A. Capra

Robert A. Capra, Director
Project Directorate I-1
Division of Reactor Projects, I/II

Attachment:
Changes to the Technical
Specifications

Date of Issuance: July 12, 1989

ATTACHMENT TO LICENSE AMENDMENT

AMENDMENT NO. 10 TO FACILITY OPERATING LICENSE NO. NPF-69

DOCKET NO. 50-410

Revise Appendix A as follows:

Remove Page	Insert Page
3/4 8-5	3/4 8-5

4.8.1.1.2.a.4 (Continued)

b) That diesel engine EDG*2 accelerates to at least 870 rpm and at least 3750 volts in less than or equal to 10 seconds.* The generator voltage and frequency shall be 4160 ± 416 volts and 60 ± 1.2 Hz within 15 seconds after the start signal.

c) Each diesel generator shall be started for this test by using one of the following signals:

1) Manual.

2) Simulated loss of offsite power by itself.

3) Simulated loss of offsite power in conjunction with an ESF actuation test signal.

4) An ESF actuation test signal by itself.

5. Verifying that after the diesel generator is synchronized, it is loaded to greater than or equal to 4400 KW for diesel generators EDG*1 and EDG*3 and greater than or equal to 2600 KW for diesel generator EDG*2 in less than or equal to 90 seconds* and operates with these loads for at least 60 minutes.

6. Verifying the diesel generator is aligned to provide standby power to the associated emergency buses.

7. Verifying the pressure in diesel generator air start receivers for EDG*1 and EDG*3 to be greater than or equal to 225 psig.

8. Verifying the pressure in diesel generator air start receivers for EDG*2 to be greater than or equal to 190 psig.

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* All diesel generator starts for the purpose of this surveillance test may be preceded by an engine prelube period. Further, all surveillance tests, with the exception of once per 184 days, may also be preceded by warmup procedures and may also include gradual loading as recommended by the manufacturer so that the mechanical stress and wear on the diesel engine is minimized.

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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 10 TO FACILITY OPERATING LICENSE NO. NPF-69

NIAGARA MOHAWK POWER CORPORATION

NINE MILE POINT NUCLEAR POWER STATION, UNIT NO. 2

DOCKET NO. 50-410

INTRODUCTION

The licensee, Niagara Mohawk Corporation (NMPC), by letter dated April 21, 1988, proposed a Technical Specification change to Section 4.8.1.1.2.a.7 that reduces the minimum allowable pressure for the Division III (EDG*2) emergency standby diesel generator air start receivers from greater than or equal to ($\geq$) 225 psig to $\geq$190 psig.

EVALUATION

The NMP-2 Electrical Power System uses three separate and independent diesel generators, EDG*1 (Division I), EDG*2 (Division III) and EDG*3 (Division II). Each standby diesel generator has a separate and independent diesel starting system. Although the basic starting system is the same for the three standby diesel generators, the components for EDG*2 differ from those of EDG*1 and EDG*3. Due to these differences, the surveillance requirement for verifying the pressure in the EDG*2 air start receivers requires revision.

The existing surveillance requires that the pressure in EDG*2 air start receivers be $\geq$225 psig. This pressure coincides with the diesel generator air compressor start setpoint and is based upon the requirement that the Division III diesel be capable of conducting five consecutive 10-second starts without starting the air compressors to recharge the air start receivers. With the surveillance requirement and the compressor start setpoint both at 225 psig, there is the possibility that through inherent instrument drift, the pressure could fall below 225 psig, thus violating Technical Specification requirements and rendering EDG*2 inoperable.

The licensee tested the Division III DG to determine if it could meet Technical Specification starting requirements at a reduced air receiver pressure. The Division III DG was demonstrated to be capable of five consecutive 10-second starts without recharging air receivers from an initial air start receiver pressure of 150 psig, and is therefore capable of starting when required at a reduced pressure in the air receivers.

Section 4.8.1.1.2 of the Technical Specifications, which provides the DG surveillance requirements, is being revised as follows: Air start receiver surveillance requirements for EDG*2 are being transferred to Section 4.8.1.1.2.a.8 from Section 4.8.1.1.2.a.7. Section 4.8.1.1.2.a.8 requires that the pressure in EDG*2 air start receivers be $\geq$190 psig. The minimum air receiver pressure of 190 psig allows a 40 psig margin beyond the 150 psig initial air start receiver pressure that has been tested and verified capable of meeting Technical Specification starting requirements.

SUMMARY

As a result of our review, which is described in the evaluation, we conclude that the proposed Technical Specification changes are acceptable.

ENVIRONMENTAL CONSIDERATION

This amendment involves a change in the installation or use of the facility components located within the restricted areas as defined in 10 CFR 20 and changes to surveillance requirements. The staff has determined that this 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 Sec 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

CONCLUSION

We have 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 these amendments will not be inimical to the common defense and security or to the health and safety of the public.

Dated: July 12, 1989

PRINCIPAL CONTRIBUTOR:

V. McCree