

January 18, 1995

Mr. B. Ralph Sylvia
Executive Vice President, Nuclear
Niagara Mohawk Power Corporation
Nine Mile Point Nuclear Station
P. O. Box 63
Lycoming, NY 13093

SUBJECT: ISSUANCE OF AMENDMENT FOR NINE MILE POINT NUCLEAR STATION,
UNIT 2 (TAC NO. M90585)

Dear Mr. Sylvia:

The Commission has issued the enclosed Amendment No. 60 to Facility Operating License No. NPF-69 for the Nine Mile Point Nuclear Station, Unit 2. The amendment consists of changes to the Technical Specifications (TSs) in response to your application transmitted by letter dated October 5, 1994.

The amendment revises the applicability requirements of TS 3.7.3 to require operability of the Control Room Outdoor Air Special Filter Train System in Operational Conditions 1, 2, 3 and ** rather than in all Operational Conditions and **. The applicability requirements for Action Statement b. of TS 3.7.3 and for the Radiation Monitoring Instrumentation required operable by TS Tables 3.3.7.1-1 and 4.3.7.1-1 are being changed in a similar manner. The amendment also adds a notation to Action Statement b.1. of TS 3.7.3 stating that the provisions of TS 3.0.4 are not applicable for entry into Operational Condition ** when one filter train is inoperable provided an operable filter train is in operation in the emergency pressurization mode of operation.

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

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

Docket No. 50-410

Enclosures: 1. Amendment No. 60 to NPF-69
2. Safety Evaluation

cc w/encls: See next page

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AMENDMENT NO. 60 TO FACILITY OPERATING LICENSE NO. NPF-69-NINE MILE POINT
UNIT 2

Docket File

PUBLIC

PDI-1 Reading

S. Varga, 14/E/4

J. Zwolinski, 14/H/3

M. Case

C. Vogan

D. Brinkman

OGC

D. Hagan, T-4 A43

G. Hill (2), T-5 C3

C. Grimes, 11/E/22

C. McCracken

ACRS (4)

OPA

OC/LFDCB

PD plant-specific file

C. Cowgill, Region I

cc: Plant Service list



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

January 18, 1995

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Executive Vice President, Nuclear
Niagara Mohawk Power Corporation
Nine Mile Point Nuclear Station
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Sincerely,

A handwritten signature in cursive script that reads "Donald S. Brinkman".

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

Docket No. 50-410

Enclosures: 1. Amendment No. 60 to NPF-69
2. Safety Evaluation

cc w/encls: See next page

B. Ralph Sylvia
Niagara Mohawk Power Corporation

Nine Mile Point Nuclear Station
Unit 2

cc:

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

NIAGARA MOHAWK POWER CORPORATION

DOCKET NO. 50-410

NINE MILE POINT NUCLEAR STATION, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 60
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 October 5, 1994, 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 1;
 - 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. 60 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



Michael J. Case, Acting Director
Project Directorate I-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: January 18, 1995

ATTACHMENT TO LICENSE AMENDMENT

AMENDMENT NO. 60 TO FACILITY OPERATING LICENSE NO. NPF-69

DOCKET NO. 50-410

Revise Appendix A as follows:

Remove Pages

3/4 3-68

3/4 3-70

3/4 7-11

Insert Pages

3/4 3-68

3/4 3-70

3/4 7-11

TABLE 3.3.7.1-1

RADIATION MONITORING INSTRUMENTATION

	<u>INSTRUMENTATION</u>	<u>MINIMUM CHANNELS OPERABLE</u>	<u>APPLICABLE CONDITIONS</u>	<u>ALARM/TRIP SETPOINT (a)</u>	<u>ACTION</u>
1.	Main Control Room Ventilation Radiation Monitors	2/System(b)(e)	1, 2, 3 and *	$\leq 5.92 \times 10^{-6} \mu\text{Ci/cc(c)}$	74 (
2.	Area Monitors				
a.	Criticality Monitor (New Fuel Storage Vault)	1	**	$\leq 1.0 \times 10^2 \text{ mR/hr(d)}$	76
b.	Control Room Direct Radiation Monitor	1	At all times	$\leq 2.5 \times 10^{-1} \text{ mR/hr(d)}$	76

TABLE 4.3.7.1-1

RADIATION MONITORING INSTRUMENTATION SURVEILLANCE REQUIREMENTS

<u>INSTRUMENTATION</u>		<u>CHANNEL CHECK</u>	<u>SOURCE CHECK</u>	<u>CHANNEL FUNCTIONAL TEST</u>	<u>CHANNEL CALIBRATION</u>	<u>OPERATIONAL CONDITIONS FOR WHICH SURVEILLANCE REQUIRED</u>
1.	Main Control Room Ventilation Radiation Monitors	S	NA	Q	R	1, 2, 3 and *
2.	Area Monitors					
a.	Criticality Monitors (New Fuel Storage Vault)	S	M	SA	R	**
b.	Control Room Direct Radiation Monitor	S	M	SA	R	At all times

* When handling irradiated fuel in the reactor building and during CORE ALTERATIONS and operations with a potential for draining the reactor vessel.

** With fuel in the new fuel storage vault.

PLANT SYSTEMS

3/4.7.3 CONTROL ROOM OUTDOOR AIR SPECIAL FILTER TRAIN SYSTEM

LIMITING CONDITIONS FOR OPERATION

3.7.3 Two independent control room outdoor air special filter trains* shall be OPERABLE.

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, 3 and **.

ACTION:

- a. In OPERATIONAL CONDITION 1, 2, or 3 with one control room filter train inoperable, restore the inoperable filter train to OPERABLE status within 7 days or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
- b. In OPERATIONAL CONDITION **:
 1. With one control room filter train inoperable, restore the inoperable filter train to OPERABLE status within 7 days or initiate and maintain operation of the OPERABLE filter train in the emergency pressurization mode of operation. The provisions of Specification 3.0.4 are not applicable provided an operable control room filter train is in the emergency pressurization mode of operation.
 2. With both control room filter trains inoperable, suspend CORE ALTERATIONS, handling of irradiated fuel in the reactor building and operations with a potential for draining the reactor vessel.
- c. The provisions of Specification 3.0.3 are not applicable in OPERATIONAL CONDITION **.

SURVEILLANCE REQUIREMENTS

4.7.3 Each control room outdoor air special filter train shall be demonstrated OPERABLE:

- a. At least once per 12 hours by verifying that the control room air temperature is less than or equal to 90°F.
- b. At least once per 31 days on a STAGGERED TEST BASIS by initiating, from the control room, flow through the HEPA filters and charcoal adsorbers and verifying that the filter train operates for at least 10 hours with the heaters OPERABLE.

* This includes the control room chiller subsystem.

** When irradiated fuel is being handled in the reactor building and during CORE ALTERATIONS and operations with a potential for draining the reactor vessel and uncovering irradiated fuel.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 60 TO FACILITY OPERATING LICENSE NO. NPF-69
NIAGARA MOHAWK POWER CORPORATION
NINE MILE POINT NUCLEAR STATION, UNIT 2
DOCKET NO. 50-410

1.0 INTRODUCTION

By letter dated October 5, 1994, Niagara Mohawk Power Corporation (the licensee) submitted a request for changes to the Nine Mile Point Nuclear Station, Unit 2 (NMP-2), Technical Specifications (TSs). The requested changes would revise the applicability requirements of TS 3.7.3 to require operability of the Control Room Outdoor Air Special Filter Train System (CROASFTS) in Operational Conditions 1, 2, 3 and ** rather than in all Operational Conditions and **. The applicability requirements for Action Statement b. of TS 3.7.3 and for the Radiation Monitoring Instrumentation required operable by TS Tables 3.3.7.1-1 and 4.3.7.1-1 would be changed in a similar manner. The proposed amendment would also add a notation to Action Statement b.1. of TS 3.7.3 stating that the provisions of Specification 3.0.4 are not applicable for entry into Operational Condition ** when one filter train is inoperable provided an operable filter train is in operation in the emergency pressurization mode of operation.

2.0 EVALUATION

The CROASFTS is provided to ensure that the control room will remain habitable and will be maintained within the exposure requirements of General Design Criterion (GDC) 19 of Appendix A to 10 CFR Part 50 following all design basis accidents. This system consists of two independent 100% capacity, safety-related emergency filter trains with HEPA filters and charcoal absorbers.

Each filter train contains a filter booster fan which discharges air drawn through the filter train into the common duct supplying air to the two safety-related, 100% capacity air conditioning units, one of which is normally in operation maintaining the control room at a slight positive pressure relative to the outdoors.

The normal air supply to the air conditioning units is from either one of two outside intakes. Redundant seismic Category I radiation detectors are provided to monitor the air intakes. If high radiation levels or if a loss-of-coolant accident is detected, the air supply to the control room is automatically diverted to the intake of the CROASFTS and both filter booster

fans are automatically started. This action places each filter train in the emergency pressurization mode of operation. Operation of the booster fans pulls outside air through the HEPA filters and charcoal absorbers, thereby ensuring that the control room will remain habitable and that exposures to control room personnel will be within the requirements of GDC 19.

The applicability requirements for TS 3.7.3 currently require two trains of the CROASFTS to be operable in all Operational Conditions and in Operational Condition ** ("When irradiated fuel is being handled in the reactor building and during core alterations and operations with a potential for draining the reactor vessel and uncovering irradiated fuel"). The proposed amendment would revise the applicability requirements for TS 3.7.3 such that two trains of the CROASFTS would be required operable only in Operational Conditions 1, 2, 3, and Operational Condition ** (i.e., the system would no longer be required to be operable in Operational Conditions 4 and 5).

In Operational Conditions 4 and 5, the average reactor coolant temperature is ≤ 200 °F. This temperature limit also limits the reactor coolant system pressure such that the probability and consequences of a design basis accident are reduced sufficiently that operation of the CROASFTS is unnecessary.

Therefore, the proposed change in the applicability requirements for TS 3.7.3 is acceptable. Since operability of the CROASFTS is not required in Operational Conditions 4 and 5, operability of the radiation detectors (TS Tables 3.3.7.1-1 and 4.3.7.1-1) which initiate automatic actuation of this system is not required either. Therefore, the proposed change to these tables is also acceptable.

NMP-2 TS 3.0.4 prohibits entry into an operational condition unless the conditions of the Limiting Condition for Operation are met without reliance on the provisions of the Action statement. The proposed amendment would add a notation to Action Statement b.1. of TS 3.7.3 stating that the provisions of TS 3.0.4 are not applicable for entry into Operational Condition ** when one filter train is inoperable provided an operable filter train is in operation in the emergency pressurization mode of operation. This part of the proposed amendment is acceptable since placing the operable filter train in operation ensures that its safety function (filtering of air being brought into the control room) is being accomplished. This part of the proposed amendment is also consistent with the guidance provided in NRC Generic Letter 87-09, "Sections 3.0 and 4.0 of the Standard Technical Specifications (STS) on the Applicability of Limiting Conditions for Operation and Surveillance Requirements." Therefore, the NRC staff concludes that this part of the proposed amendment is also acceptable.

3.0 STATE CONSULTATION

In accordance with the Commission's regulations, the New York State official was notified of the proposed issuance of the amendment. The State official had no comments.

4.0 ENVIRONMENTAL CONSIDERATION

The amendment changes a requirement with respect to installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The NRC 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 the amendment involves no significant hazards consideration, and there has been no public comment on such finding (59 FR 55874). Accordingly, the 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 or environmental assessment need be prepared in connection with the issuance of the amendment.

5.0 CONCLUSION

The Commission 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, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: Donald S. Brinkman

Date: January 18, 1995