

May 7, 1990

Docket No. 50-410

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. 75791)

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The Commission has issued the enclosed Amendment No. 14 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 January 8, 1990

This amendment revises the Technical Specifications, Section 6.2.2f., Unit Staff, and Note (e) in Table 6.2.2-1, Minimum Shift Crew Composition. This revision will allow Licensed Senior Operators Limited to Fuel Handling to supervise fuel handling activities and non-licensed operators to manipulate fuel handling equipment. This revision will also correct a typographical error in Table 6.2.2-1, Note (b).

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,

/s/

Robert E. Martin, Senior Project Manager  
Project Directorate I-1  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 14 to NPF-69
2. Safety Evaluation

cc w/enclosures:

See next page

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Mr. Lawrence Burkhardt III  
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

NIAGARA MOHAWK POWER CORPORATION

DOCKET NO. 50-410

NINE MILE POINT NUCLEAR STATION, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 14  
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 January 8, 1990, 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:

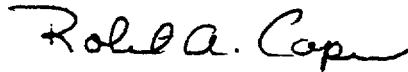
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(2) Technical Specifications and Environmental Protection Plan

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. 14 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.

FOR THE NUCLEAR REGULATORY COMMISSION



Robert A. Capra, 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: May 7, 1990

ATTACHMENT TO LICENSE AMENDMENT

AMENDMENT NO. 14 TO FACILITY OPERATING LICENSE NO. NPF-69

DOCKET NO. 50-410

Revise Appendix A as follows:

<u>Remove Pages</u>	<u>Insert Pages</u>
6-2	6-2
6-6	6-6

## 6.0 ADMINISTRATIVE CONTROLS

### ORGANIZATION

#### UNIT STAFF

##### 6.2.2 (Continued)

- f. A Licensed Senior Operator or Licensed Senior Operator Limited to Fuel Handling shall be responsible for all movement of new and irradiated fuel within the site boundary. All core alterations shall be directly supervised by a Licensed Senior Operator or Licensed Senior Operator Limited to Fuel Handling who has no other concurrent responsibilities during this operation. All fuel moves within the core shall be directly monitored by a member of the reactor analyst group.
- g. A Fire Brigade\* of five members shall be maintained on site at all times. The Fire Brigade shall not include the Shift Supervisor and the two other members of the minimum shift crew necessary for safe shutdown of the unit and any personnel required for other essential functions during a fire emergency.
- h. Administrative procedures shall be developed and implemented to limit the working hours of unit staff who perform safety-related functions; e.g., Licensed Senior Operators, licensed operators, health physicists, auxiliary operators, and key maintenance personnel.
- i. Adequate shift coverage shall be maintained without routine heavy use of overtime. The objective shall be to have operating personnel work a normal 8-hour day, 40-hour week while the unit is operating. However, in the event that unforeseen problems require substantial amounts of overtime to be used, or during extended periods of shutdown for refueling, major maintenance, or major unit modifications, on a temporary basis the following guidelines shall be followed:
  - 1. An individual should not be permitted to work more than 16 hours straight, excluding shift turnover time.
  - 2. An individual should not be permitted to work more than 16 hours in any 24-hour period, nor more than 24 hours in any 48-hour period, nor more than 72 hours in any 7-day period, all excluding shift turnover time.
  - 3. A break of at least 8 hours should be allowed between work periods, including shift turnover time.

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\* The radiation protection qualified individual and Fire Brigade composition may be less than the minimum requirements for a period of time not to exceed 2 hours, in order to accommodate unexpected absence, provided immediate action is taken to fill the required positions.

TABLE 6.2.2-1

MINIMUM SHIFT CREW COMPOSITION(a)(b)

<u>LICENSE</u>	<u>OPERATIONAL CONDITIONS</u>			
	<u>1</u>	<u>3, 4, 5</u>	<u>1, 2, 3</u> <u>4, 5</u>	<u>2</u>
Senior Operator (Station Shift Supervisor)	1(d)	1(e)(d)	1(c)	1(d)
Operator	2	1(i),2(h)	2(c)	3
Unlicensed(f)	2	1(i),2(h)	3(c)	2
Senior Operator(g) (Asst. Station Shift Supervisor, Shift Technical Advisor Function)	1	1(h)	1(c)	1

TABLE NOTATIONS

- (a) At any one time, more licensed or unlicensed operating people could be present for maintenance, repairs, refuel outages, etc.
- (b) The shift crew composition may be one less than the minimum requirements of Table 6.2.2-1 for a period of time not to exceed 2 hours in order to accommodate unexpected absence of on-duty shift crew members, provided immediate action is taken to restore the shift crew composition to within the minimum requirements of Table 6.2.2-1. This provision does not permit any shift crew position to be unmanned upon shift change because an oncoming shift crewman scheduled to come on duty is late or absent.
- (c) For operation longer than 8 hours without process computer.
- (d) Any time the Shift Supervisor is absent from the control room while the unit is in OPERATIONAL CONDITION 1, 2, or 3, the Assistant Station Shift Supervisor when not in the STA function, or other individuals with a valid Senior Operator license shall be designated to assume the control room command function. During any absence of the Shift Supervisor from the control room while the unit is in OPERATIONAL CONDITION 4 or 5, an individual with a valid Senior Operator license or Operator license shall be designated to assume the control room command function.
- (e) An additional Senior Reactor Operator or Senior Reactor Operator Limited to Fuel Handling who has no other concurrent responsibilities shall supervise all core alterations.
- (f) Those operating personnel not holding an Operator or Senior Operator license.
- (g) The Assistant Station Shift Supervisor shall hold a Senior Operator's license and performs the Shift Technical Advisor function when the Site Emergency Plan is activated in OPERATIONAL CONDITIONS 1, 2, or 3.
- (h) OPERATIONAL CONDITION 3 only.
- (i) OPERATIONAL CONDITIONS 4 and 5 only.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 14 TO FACILITY OPERATING LICENSE NO. NPF-6  
NIAGARA MOHAWK POWER CORPORATION  
NINE MILE POINT NUCLEAR POWER STATION, UNIT NO. 2  
DOCKET NO. 50-410

INTRODUCTION

By letter dated January 8, 1990, Niagara Mohawk Power Corporation (the licensee) requested changes to Nine Mile Point Unit 2 Technical Specifications Section 6.2.2, Unit Staff. This section of Administrative Controls provides the staffing requirements during fuel movement and core alterations. The changes requested by the licensee will allow a Licensed Senior Operator Limited to Fuel Handling to supervise fuel handling activities and non-licensed operators to manipulate fuel handling equipment.

DISCUSSION

The current Nine Mile Point Unit 2 Technical Specifications Section 6.2.2f. requires that a Licensed Senior Operator be responsible for movement of new and irradiated fuel within the site boundary and that all core alterations be directly supervised by a Licensed Senior Operator. The Code of Federal Regulations, Part 50.54(m)(2)(iv), does not restrict the responsibility of core alterations supervisor to Senior Operators. It states that: "Each licensee shall have present, during alteration of the core of a nuclear power unit (including fuel loading or transfer), a person holding a senior operator license or a senior operator license limited to fuel handling to directly supervise the activity and, during this time, the licensee shall not assign other duties to this person."

The licensee's proposed revision to Technical Specification Section 6.2.2f. is consistent with 10 CFR Part 50.54. It would allow persons with senior operator license limited to fuel handling to supervise core alteration which includes fuel loading or transfer.

In addition, Nine Mile Point Unit 2 current Technical Specification Section 6.2.2f. states that a Licensed Operator will be required to manipulate the controls of all fuel handling equipment except movement of new fuel from receipt through dry storage.

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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 this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Dated: May 7, 1990

PRINCIPAL CONTRIBUTORS:

Ronald B. Eaton

Daniele Oudinot

The licensee's proposed deletion of this requirement would allow non-licensed operators to operate fuel handling equipment. The Code of Federal Regulation, Part 55.13(b), General Exemptions, states that the regulations do not require a license for an individual who, under the direction and in the presence of a licensed senior operator, manipulates the controls of a facility to load or unload the fuel into, out of, or within the reactor vessel.

The licensee proposed revision to Technical Specification Section 6.2.2f. is consistent with 10 CFR Part 55.13(b). It would allow operation of fuel handling equipment by non-licensed operators.

Table 6.2.2-1 Note (e), Minimum Shift Crew Composition, will be revised accordingly to be consistent with the changes made in Section 6.2.2f.

A typographical error in Section 6.2.2-1 Note (b) will also be corrected. An extraneous to will be removed in the following sentence: This provision does not permit any shift crew position to be unmanned upon shift change because to an oncoming shift crewman scheduled to come on duty is late or absent.

#### SUMMARY

Nine Mile Point 2 Technical Specifications Section 6.2.2 requirements are more restrictive than the Standard Technical Specifications or Technical Specifications of operating Boiling Water Reactors with similar fuel handling equipment.

The changes proposed by the licensee would correct this discrepancy and be consistent with the Code of Federal Regulations. The staff has reviewed the proposed changes for Nine Mile Point Unit 2 Technical Specification Section 6.2.2 and found these changes acceptable.

#### ENVIRONMENTAL CONSIDERATION

This amendment involves only changes in administrative procedure and requirements. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR Section 51.22(c)(10). 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.