



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

January 5, 1993

Docket No. 50-220

Mr. B. Ralph Sylvia
Executive Vice President, Nuclear
Niagara Mohawk Power Corporation
301 Plainfield Road
Syracuse, New York 13212

Dear Mr. Sylvia:

SUBJECT: ISSUANCE OF AMENDMENT FOR NINE MILE POINT NUCLEAR STATION UNIT NO. 1
(TAC NO. M84855)

The Commission has issued the enclosed Amendment No. 137 to Facility Operating License No. DPR-63 for the Nine Mile Point Nuclear Station Unit No. 1 (NMP-1). The amendment consists of changes to the Technical Specifications (TS) in response to your application transmitted by letter dated October 28, 1992.

The amendment revises TS 6.2.2.f and TS Table 6.2-1 to be consistent with current NRC requirements regarding supervision and performance of core alterations. The amendment requires that all core alterations be performed by qualified personnel and be supervised by a Senior Reactor Operator or by a Senior Reactor Operator Limited to Fuel Handling.

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,

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

Enclosures:

1. Amendment No. 137 to DPR-63
2. Safety Evaluation

cc w/enclosures:
See next page

9301130061 930105
PDR ADOCK 05000220
P PDR

110007

THIS FILE CONTAINS COPY

January 5, 1993

Mr. B. Ralph Sylvia
Executive Vice President, Nuclear
Niagara Mohawk Power Corporation
301 Plainfield Road
Syracuse, New York 13212

Dear Mr. Sylvia:

SUBJECT: ISSUANCE OF AMENDMENT FOR NINE MILE POINT NUCLEAR STATION UNIT NO. 1
(TAC NO. M84855)

The Commission has issued the enclosed Amendment No. 137 to Facility Operating License No. DPR-63 for the Nine Mile Point Nuclear Station Unit No. 1 (NMP-1). The amendment consists of changes to the Technical Specifications (TS) in response to your application transmitted by letter dated October 28, 1992.

The amendment revises TS 6.2.2.f and TS Table 6.2-1 to be consistent with current NRC requirements regarding supervision and performance of core alterations. The amendment requires that all core alterations be performed by qualified personnel and be supervised by a Senior Reactor Operator or by a Senior Reactor Operator Limited to Fuel Handling.

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

- Enclosures:
1. Amendment No. 137 to DPR-63
2. Safety Evaluation

cc w/enclosures:
See next page

OFFICE	PDI-1:LA	PDI-1:PM	NRR/HFB	NRR/LOLR	OGC	PDI-1:D
NAME	CVogan	DBrinkman	JWeymeil	RGallo	CPW	RACapra
DATE	12/17/92	12/7/92	12/10/92	12/11/92	12/15/92	01/06/93

OFFICIAL RECORD COPY
FILENAME: G:\NMP1\NM184855.AMD

Mr. B. Ralph Sylvia
Niagara Mohawk Power Corporation

Nine Mile Point Nuclear Station
Unit No. 1

cc:

Mark J. Wetterhahn, Esquire
Winston & Strawn
1400 L Street, NW
Washington, DC 20005-3502

Mr. Kim Dahlberg
Unit 1 Station Superintendent
Nine Mile Point Nuclear Station
Post Office Box 32
Lycoming, New York 13093

Supervisor
Town of Scriba
Route 8, Box 382
Oswego, New York 13126

Mr. David K. Greene
Manager Licensing
Niagara Mohawk Power Corporation
301 Plainfield Road
Syracuse, New York 13212

Mr. Neil S. Carns
Vice President - Nuclear Generation
Niagara Mohawk Power Corporation
Nine Mile Point Nuclear Station
Post Office Box 32
Lycoming, New York 13093

Charles Donaldson, Esquire
Assistant Attorney General
New York Department of Law
120 Broadway
New York, New York 10271

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

Mr. Paul D. Eddy
State of New York
Department of Public Service
Power Division, System Operations
3 Empire State Plaza
Albany, New York 12223

Gary D. Wilson, Esquire
Niagara Mohawk Power Corporation
300 Erie Boulevard West
Syracuse, New York 13202

Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, Pennsylvania 19406

Ms. Donna Ross
New York State Energy Office
2 Empire State Plaza
16th Floor
Albany, New York 12223

DATED: January 5, 1993

AMENDMENT NO. 137 TO FACILITY OPERATING LICENSE NO. DPR-63-NINE MILE POINT
UNIT 1

Docket File

NRC & Local PDRs

PDI-1 Reading

S. Varga, 14/E/4

J. Calvo, 14/A/4

R. Capra

C. Vogan

D. Brinkman

OGC-WF

D. Hagan, 3302 MNBB

G. Hill (4), P1-22

Wanda Jones, P-370

C. Grimes, 11/F/23

W. Swenson, 10/D/24

J. Wermiel, 10/D/24

R. Gallo, 10/D/22

ACRS (10)

OPA

OC/LFMB

PD plant-specific file

C. Cowgill, Region I

cc: Plant Service list



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. 137
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 October 28, 1992, 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:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 137, 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 to be implemented within 30 days.

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: January 5, 1993

ATTACHMENT TO LICENSE AMENDMENT

AMENDMENT NO. 137 TO FACILITY OPERATING LICENSE NO. DPR-63

DOCKET NO. 50-220

Revise Appendix A as follows:

Remove Pages

246
250

Insert Pages

246
250

Facility Staff (Cont'd)

- e. **A licensed Senior Reactor Operator shall be required in the Control Room during power operations, hot shutdown, and when the emergency plan is activated. This may be the Station Shift Supervisor-Nuclear or the Assistant Station Shift Supervisor-Nuclear or another Senior Reactor Operator during power operations or hot shutdown. When the emergency plan is activated during normal operations or hot shutdown, the Assistant Station Shift Supervisor-Nuclear becomes the Shift Technical Advisor and the Station Shift Supervisor-Nuclear is restricted to the control room until an additional licensed Senior Reactor Operator arrives.**
- f. **A licensed Senior Reactor Operator or licensed Senior Reactor 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 Reactor Operator or licensed Senior Reactor 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 (5) members* shall be maintained on site as defined by 5.1 at all times.**
- h. **Administrative procedures shall be developed and implemented to limit the working hours of facility staff who perform safety-related functions; e.g., licensed Senior Operators, licensed Operators, health physicists, auxiliary operators and key maintenance personnel.**

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 facility 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 plant modifications on a temporary basis, the following guidelines shall be followed:

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

Table 6.2-1
MINIMUM SHIFT CREW COMPOSITION⁽¹⁾⁽⁶⁾

<u>License</u>	<u>Normal Operation</u>	<u>Shutdown Condition</u>	<u>Operation</u> ⁽³⁾ <u>W/O Process Computer</u>	<u>Reactor Startups</u>
Senior Operator	1	1 ⁽⁵⁾	1	1
Operator	2	2 ⁽⁴⁾	2	3
Unlicensed ⁽²⁾	2	1	3	2
Asst. Station Shift Supervisor (Shift Technical Advisor Function) (Senior Operator License) ⁽⁷⁾	1	1 ⁽⁴⁾	1	1

Notes:

- (1) At any one time, more licensed or unlicensed operating people could be present for maintenance, repairs, refuel outages, etc.
- (2) Those operating personnel not holding an "Operator" or "Senior Operator" License.
- (3) For operation longer than eight hours without process computer.
- (4) Hot shutdown condition only. For cold shutdown and refueling conditions, only one senior operator and one operator are required to be on shift.
- (5) An additional Senior Reactor Operator or Senior Reactor Operator Limited to Fuel Handling who has no other concurrent responsibilities shall supervise all core alterations.
- (6) The Shift Crew Composition may be one less than the minimum requirements of Table 6.2-1 for a period of time not to exceed two 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 6.2-1. This provision does not permit any shift crew position to be unmanned upon shift change due to an oncoming shift crewman being late or absent.
- (7) The Assistant Station Shift Supervisor performs the Shift Technical Advisor function when the emergency plan is activated during normal operations or hot shutdown and shall hold a senior reactor operator license. Normally, the Assistant Station Shift Supervisor is a combined Assistant Station Shift Supervisor/Shift Technical Advisor; however, there may be instances when a shift may be staffed by two Senior Reactor Operators plus a dedicated Shift Technical Advisor



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 137 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 letter dated October 28, 1992, Niagara Mohawk Power Corporation (the licensee) submitted a request for changes to the Nine Mile Point Nuclear Station Unit No. 1, Technical Specifications (TS). The requested changes would revise TS 6.2.2.f. and TS Table 6.2-1 to be consistent with current NRC requirements regarding supervision and performance of core alterations. The current Nine Mile Point Unit 1 TS require that core alterations be supervised by a licensed Senior Reactor Operator and that a licensed Reactor Operator manipulate the controls of all fuel handling equipment except movement of new fuel from receipt through dry storage. The proposed amendment would require that all core alterations be performed by qualified personnel and be supervised by a Senior Reactor Operator or by a Senior Reactor Operator Limited to Fuel Handling.

2.0 EVALUATION

The staffing requirements during fuel movement and core alterations are specified in TS 6.2.2.f and TS Table 6.2-1. The current TS requires that a licensed Senior Reactor Operator shall be responsible for the movement of new and irradiated fuel within the site boundary. The current TS also specify that only a licensed Reactor Operator may operate the controls of fuel handling equipment except for movement of new fuel from receipt through dry storage.

The proposed change would allow a licensed Senior Reactor Operator Limited to Fuel Handling as well as a licensed Senior Reactor Operator to supervise all core alterations. The proposed change would also delete the requirement that only licensed Reactor Operators may operate the controls of fuel handling equipment; trained and qualified nonlicensed personnel would be permitted to operate the fuel handling equipment under the supervision of a licensed Senior Reactor Operator Limited to Fuel Handling or a licensed Senior Reactor Operator.

Senior Reactor Operators Limited to Fuel Handling have the same qualifications, skills, and receive the same training relative to fuel handling as licensed Senior Reactor Operators. Their training includes appropriate areas of nuclear theory, plant systems, and plant procedures. They are licensed in accordance with 10 CFR Part 55. The Code of Federal Regulation at 10 CFR 50.54(m)(2)(iv) requires that a person holding a Senior Reactor Operator license or a Senior Reactor Operator Limited to Fuel Handling license directly supervise core alterations and shall not be assigned other duties during this time. The proposed change also requires another Senior Reactor Operator to be in the control room during core alternations. The proposed change for having Senior Reactor Operators or Senior Reactor Operators Limited to Fuel Handling supervise core alterations at NMP-1 meets the requirements of 10 CFR 50.54(m)(2)(i) and 10 CFR 50.54(m)(2)(iv) and is, therefore, acceptable.

Personnel designated to operate the fuel handling equipment in accordance with the proposed change will be skilled and qualified technicians who have been trained to use NMP-1 fuel handling equipment and procedures. The Code of Federal Regulations at 10 CFR 55.13(b) does not require a Reactor Operator license for individuals who, under the direction and in the presence of a licensed senior operator, manipulate the controls of fuel handling equipment. The proposed change permitting nonlicensed personnel to operate the NMP-1 fuel handling equipment meets the requirements of 10 CFR 55.13(b) and is, therefore, 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 relates to changes in administrative procedures and requirements. Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 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 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:
D. Brinkman

Date: January 5, 1993