

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. 62 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 13, 1984, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's 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.
- 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 License No. DPR-63 is hereby amended to read as follows:

8406210083 840524

PDR ADOCK



·

·

,

(2) <u>Technical Specifications</u>

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 62, 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

Moranalie.

Domenic B. Vassallo, Chief Operating Reactors Branch #2 Division of Licensing

Attachment: Changes to the Technical Specifications

Date of Issuance: May 24, 1984

. .

.

· · · ·

· ·

ATTACHMENT TO LICENSE AMENDMENT NO. 62

FACILITY OPERATING LICENSE NO. DPR-63

DOCKET NO. 50-220

Revise the Appendix A Technical Specifications by removing and inserting the following pages:

Existing <u>Pag</u> e	Revised <u>pag</u> e		
iiia	iiia		
-	241 jj		
-	241 ii1		
-	241 ii2		
-	241 ii3		

The revised areas are indicated by marginal lines.

• •

ч

SECTI	ON	DESCRIPTION		PAGE
3.6.5	Radioactive Material Sources	4.6.5	Radioactive Material Sources	241k
3.6.6	Fire Detection	4.6.6	Fire Detection	241m
3.6.7	Fire Suppression	4.6.7	Fire Suppression	24] q
3.6.8	Carbon Dioxide Suppression System	4.6.8	Carbon Dioxide Suppression System	241u
3.6.9	Fire Hose Stations	4.6.9	Fire Hose Stations	241y [.]
3.6.10	Fire Barrier Penetration Fire Seals	4.6.10	Fire Barrier Penetration Fire Seals	241cc
3.6.11	Accident Monitoring Instrumentation	4.6.11	Accident Monitoring Instrumentation	241ee
3.6.12	Reactor Protection System Motor Generator Set Monitoring	4.6.12	Reactor Protection System Motor Generator Set Monitoring	241111

. ••

.

1

.

. .

,

. .

•

•

LIMITING CONDITION FOR OPERATION

.

3.6.12 REACTOR PROTECTION SYSTEM MOTOR GENERATOR SET MONITORING

Applicability:

Applies to the operability of instrumentation that provides protection of Motor Generator sets and the maintenance bus that supplies power to the reactor protection system and reactor trip system.

Objective:

To assure the operability of the instrumentation required for safe operation of the Motor Generator sets and the maintenance bus that supplies power to the reactor protection system and reactor trip system.

Specification:

a. Except as specified in specifications b and c below, two protective relay systems shall be operable for each Motor Generator set and the maintenance bus.

SURVEILLANCE REQUIREMENT

4.6.12 REACTOR PROTECTION SYSTEM MOTOR GENERATOR SET MONITORING

Applicability:

Applies to the surveillance of instrumentation that provides protection of the reactor protection Motor Generator sets and maintenance bus that supplies power to the reactor protection system and reactor trip system.

Objective:

To verify the operability of protection instrumentation on the Motor Generator sets and maintenance bus that supplies power to the reactor protection and reactor trip buses.

Specification:

a. <u>At least once every six months</u> Demonstrate operability of the overvoltage, undervoltage and under frequency protective instrumentation by performing an instrument channel test. This instrument channel test will consist of simulating abnormal Motor Generator Set conditions by applying from a test source, an overvoltage signal, an undervoltage signal and an underfrequency signal to verify that the tripping logic up to but not including the output contactors functions properly. v

t.

· · · · · · · ·

.

,

.

LIMITING CONDITION FOR OPERATION

SURVEILLANCE REQUIREMENT

3.6.12 <u>REACTOR · PROTECTION · SYSTEM · MOTOR GENERATOR</u> <u>SET MONITORING</u> (cont'd)

Specification: (cont'd)

.

 b. With one protective relaying system inoperable, restore the inoperable system to an operable status within 72 hours or remove the Motor Generator set or maintenance bus from service.

c. With both protective relaying systems inoperable, restore at least one to an operable status within 30 minutes or remove the associated Motor Generator sets or maintenance bus from service.

4.6.12 REACTOR PROTECTION SYSTEM MOTOR GENERATOR SET MONITORING (cont'd)

Specification:

b. At least once per refueling cycle Demonstrate operability of the overvoltage, undervoltage and underfrequency protective instrumentation by performing an instrument channel. test. This instrument channel test will consist of simulating abnormal Motor Generator Set conditions by applying from a test source an overvoltage signal, an undervoltage signal and an underfrequency signal to verify that the tripping logic including the output contactors functions properly at least once. In addition, a sensor calibration will be performed to verify the following setpoints.

i. Overvoltage ≤ 132 volts, ≤ 4 seconds ii. Undervoltage ≥ 108 volts, ≤ 4 seconds iii. Underfrequency ≥ 57 hertz, ≤ 2 seconds · ·

•

· · ·

.

x

t. .

•

BASES FOR 3.6.12 and 4.6.12 REACTOR PROTECTION SYSTEM MOTOR GENERATOR SET MONITORING

To eliminate the potential for undetectable single component failure which could adversely affect the operability of the reactor protection system, protection relaying schemes installed on MG sets 131, 141, 162, 172 and maintenance bus 130, provide for overvoltage, undervoltage and underfrequency protection.

.

.

·

.

t. X

, ,

•

. .

· · ·

η