



**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. 87  
License No. NPF-69

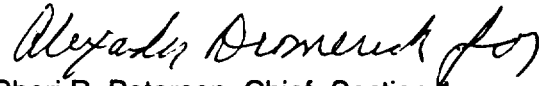
1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Niagara Mohawk Power Corporation (the licensee) dated November 8, 1999, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's 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.87 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



Sheri R. Peterson, Chief, Section 1  
Project Directorate I  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: December 16, 1999

ATTACHMENT TO LICENSE AMENDMENT NO. 87

TO FACILITY OPERATING LICENSE NO. NPF-69

DOCKET NO. 50-410

Replace the following pages of the Appendix A Technical Specifications with the attached revised pages. The revised pages are identified by Amendment number and contain marginal lines indicating the areas of change.

Remove

1-6  
3/4 6-3  
3/4 6-7  
3/4 6-13

Insert

1-6  
3/4 6-3  
3/4 6-7  
3/4 6-13

## DEFINITIONS

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### PRIMARY CONTAINMENT INTEGRITY

#### 1.31 (Continued)

1. Capable of being closed by an OPERABLE primary containment automatic isolation system, or
  2. Closed by at least one manual valve, blind flange, or deactivated automatic valve secured in its closed position, except as provided in Specification 3.6.3.
- b. All primary containment equipment hatches are closed and sealed.
  - c. Each primary containment air lock is in compliance with the requirements of Specification 3.6.1.3.
  - d. The primary containment leakage rates are within the limits of Specification 3.6.1.2, except as provided in Specification 3.6.1.2.
  - e. The suppression pool is in compliance with the requirements of Specification 3.6.2.1.
  - f. The sealing mechanism associated with each primary containment penetration (e.g., welds, bellows, or O-rings) is OPERABLE.

### PROCESS CONTROL PROGRAM

1.32 The PROCESS CONTROL PROGRAM (PCP) shall contain the current formula sampling, analyses, tests, and determinations to be made to ensure that the processing and packaging of radioactive wastes, based on demonstrated processing of actual or simulated wet or liquid wastes, will be accomplished in such a way as to assure compliance with 10 CFR 20, 10 CFR 61, 10 CFR 71, and Federal and State regulations and other requirements governing the transport and disposal of radioactive waste.

### PURGE - PURGING

1.33 PURGE and PURGING shall be the controlled process of discharging air or gas from a confinement to maintain temperature, pressure, concentration, or other operating condition, in such a manner that replacement air or gas is required to purify the confinement.

### RATED THERMAL POWER

1.34 RATED THERMAL POWER shall be a total reactor core heat transfer rate to the reactor coolant of 3467 MWt.

### REACTOR PROTECTION SYSTEM RESPONSE TIME

1.35 REACTOR PROTECTION SYSTEM RESPONSE TIME shall be the time interval from when the monitored parameter exceeds its trip setpoint at the channel sensor

## CONTAINMENT SYSTEMS

### PRIMARY CONTAINMENT

#### PRIMARY CONTAINMENT LEAKAGE

#### LIMITING CONDITIONS FOR OPERATION

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##### 3.6.1.2 (Continued)

##### ACTION:

- b. The measured combined leakage rate on a minimum pathway basis for all penetrations and all Primary Containment Isolation Valves, except for main steam line isolation valves\* and valves which are hydrostatically leak tested, subject to Type B and C tests equaling or exceeding 0.60 La, or
- c. The measured combined leakage rate for all containment isolation valves in hydrostatically tested lines which penetrate the primary containment exceeding 1 gpm times the total number of such valves, or
- d. The measured leakage rate through any valve that is part of a potential bypass leakage pathway exceeding the limit specified in Table 3.6.1.2-1

##### Restore:

- a. The overall integrated leakage rate to less than 1.0 La, and
- b. The combined leakage rate on a minimum pathway basis for all penetrations and all Primary Containment Isolation Valves, except for main steamline isolation valves\* and valves which are hydrostatically leak tested, subject to Type B and C tests to less than 0.60 La, and
- c. The combined leakage rate for all containment isolation valves in hydrostatically tested lines which penetrate the primary containment to less than or equal to 1 gpm times the total number of such valves, and
- d. The leakage rate to less than or equal to that specified in Table 3.6.1.2-1 for any valve that is part of a potential bypass leakage path. Alternatively, in lieu of restoring the inoperable valve to OPERABLE status, isolate the affected bypass leakage path by use of one closed and de-activated automatic valve, closed manual valve, or blind flange. The isolation device must meet the leakage limit of Table 3.6.1.2-1 associated with the inoperable valve. Enter applicable ACTION statement(s) for system(s) made inoperable by isolating a bypass leakage path.

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\* Exemption to Appendix J to 10 CFR 50.

TABLE 3.6.1.2-1 (Continued)

ALLOWABLE LEAK RATES THROUGH VALVES IN

POTENTIAL BYPASS LEAKAGE PATHS

<u>LINE DESCRIPTION</u>	<u>VALVE MARK NO.</u>	<u>TERMINATION REGION</u>	<u>PER VALVE LEAK RATE, SCFH</u>
Inst. Air to ADS Valve Accumulator	IAS*SOV164 IAS*V448	Yard Area	0.9375
Inst. Air to ADS Valve Accumulator	IAS*SOV165 IAS*V449	Yard Area	0.9375
N <sub>2</sub> Purge to TIP Index Mechanism	GSN*SOV166 GSN*V170	Yard Area	*
Inst. Air to SRV Accumulator	IAS*SOV166 IAS*SOV184	Yard Area	*
Inst. Air to Drywell	IAS*SOV167 IAS*SOV185	Yard Area	*
Inst. Air to Drywell	IAS*SOV168 IAS*SOV180	Yard Area	*
Inst. Air to CPS Valve in Suppression Chamber	CPS*SOV132 CPS*V50	Yard Area	*
Inst. Air to CPS Valve in Suppression Chamber	CPS*SOV133 CPS*V51	Yard Area	*

\* The combined leakage of these six penetrations shall not exceed 3.6 SCFH. The leakage through each penetration shall be that of the valve with the highest rate in that penetration. However, if a penetration is isolated by one closed and de-activated automatic valve, closed manual valve, or blind flange, the leakage through the penetration shall be that of the isolation device.

## CONTAINMENT SYSTEMS

### PRIMARY CONTAINMENT

#### PRIMARY CONTAINMENT PURGE SYSTEM

#### LIMITING CONDITIONS FOR OPERATION

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3.6.1.7 The drywell and suppression chamber 12-inch and 14-inch purge supply and exhaust isolation valves shall be OPERABLE and:

- a. The 12-inch (2CPS\*AOV105, 2CPS\*AOV107, 2CPS\*AOV109, 2CPS\*AOV111) and 14-inch (2CPS\*AOV104, 2CPS\*AOV106, 2CPS\*AOV108, 2CPS\*AOV110) valves in the purge system supply and exhaust lines may be open for up to 135 hours per 365 days for VENTING or PURGING.\*
- b. Purge system valves 2CPS\*AOV105 (12-inch), 2CPS\*AOV107 (12-inch), 2CPS\*AOV109 (12-inch), and 2CPS\*AOV110 (14-inch) shall be blocked to limit the opening to 70°. Purge system valve 2CPS\*AOV111 (12-inch) shall be blocked to limit the opening to 60°.

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, and 3.

#### ACTION:

- a. With the drywell and suppression chamber purge supply and/or exhaust isolation valve(s) inoperable, or open for more than 135 hours per 365 days for other than pressure control\*, close the open valve(s); otherwise isolate the penetration(s) within 4 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
- b. With a drywell and suppression chamber purge supply and/or exhaust isolation valve(s) with resilient material seals having a measured leakage rate exceeding the limit of Surveillance Requirement 4.6.1.7.2, restore the inoperable valve(s) to OPERABLE status within 24 hours or isolate the affected purge system line by use of one closed and deactivated automatic valve, closed manual valve, or blind flange within 24 hours, or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours. If a valve with resilient seals is utilized to satisfy the requirement of this ACTION statement, it must have been demonstrated to meet the leakage requirement of SR 4.6.1.7.2. In addition, SR 4.6.1.7.2 must be performed once per 92 days for the resilient seal valve closed to comply with this ACTION statement. Enter the applicable ACTION statement(s) for system(s) made inoperable by isolating the affected purge system line.

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\* The 135-hour limit shall not apply to the use of valves 2CPS\*AOV108 (14-inch) and 2CPS\*AOV110 (14-inch), or 2CPS\*AOV109 (12-inch) and 2CPS\*AOV111 (12-inch), for primary containment pressure control, provided 2GTS\*AOV101 is closed, and its 2-inch bypass line is the only flow path to the standby gas treatment system.