



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

NORTHERN STATES POWER COMPANY

DOCKET NO. 50-263

MONTICELLO NUCLEAR GENERATING PLANT

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 108  
License No. DPR-22

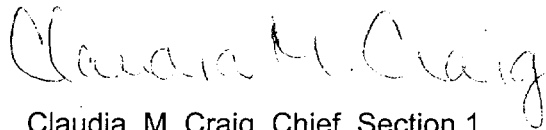
1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Northern States Power Company (the licensee) dated September 30, 1999, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter 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-22 is hereby amended to read as follows:

Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 108 , 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 its date of issuance and shall be implemented within 45 days.

FOR THE NUCLEAR REGULATORY COMMISSION



Claudia M. Craig, Chief, Section 1  
Project Directorate III  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Attachment: Changes to the Technical Specifications.

Date of Issuance: December 8, 1999

ATTACHMENT TO LICENSE AMENDMENT NO. 108

FACILITY OPERATING LICENSE NO. DPR-22

DOCKET NO. 50-263

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

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INSERT

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### 3.0 LIMITING CONDITIONS FOR OPERATION

- b. When both filter trains of the control room emergency filtration system are inoperable, restore at least one train to operable status within 24 hours or be in hot shutdown within the next 12 hours following the 24 hours and reduce the reactor coolant water temperature to below 212°F within the following 24 hours.

#### 2. Performance Requirements

##### a. Acceptance Criteria - Periodic Requirements

- (1) The results of the in-place DOP tests at 1000 cfm ( $\pm 10\%$ ) shall show  $\leq 1\%$  DOP penetration on each individual HEPA filter and shall show  $\leq 0.05\%$  DOP penetration on the combined HEPA filters.
- (2) The results of in-place halogenated hydrocarbon tests at 1000 cfm ( $\pm 10\%$ ) shall show  $\leq 0.05\%$  penetration on the combined charcoal banks.
- (3) The results of laboratory carbon sample analysis shall show  $\leq 0.4\%$  methyl iodide penetration when tested at 30°C and 95% relative humidity.

### 4.0 SURVEILLANCE REQUIREMENTS

#### 2. Performance Requirement Test

The in-place performance testing of HEPA filter banks and charcoal adsorber banks shall be conducted in accordance with Sections 10 and 11 of ASME N510-1989 with exceptions described in Section 6.7 of the USAR. The carbon sample test for methyl iodide shall be conducted in accordance with ASTM D 3803-1989.

- a. At least once per operating cycle, but not to exceed 18 months; or following painting, fire, or chemical release while the system is operating that could contaminate the HEPA filters or charcoal adsorbers, perform the following:
- (1) In-place DOP test the HEPA filter banks.
  - (2) In-place test the charcoal adsorber banks with halogenated hydrocarbon tracer.
  - (3) Remove one carbon test canister from the charcoal adsorber. Subject this sample to a laboratory analysis to verify methyl iodide removal efficiency.
  - (4) Initiate from the control room 1000 cfm ( $\pm 10\%$ ) flow through both trains of the emergency filtration treatment system.

**3.0 LIMITING CONDITIONS FOR OPERATION**

b. Acceptance Criteria - System Operation Requirements

The results of laboratory carbon sample analysis shall show  $\leq 0.4\%$  methyl iodide penetration when tested at 30°C and 95% relative humidity.

**4.0 SURVEILLANCE REQUIREMENTS**

b. At least once per 720 hours of system operation, remove one carbon test canister from the charcoal adsorber. Subject this sample to a laboratory analysis to verify methyl iodide removal efficiency.

### 3.0 LIMITING CONDITIONS FOR OPERATION

- c. The system shall be shown to be operable with:
  - (1) Combined filter pressure drop  $\leq 8$  inches water.
  - (2) Inlet heater power output  $5\text{kw} \pm 10\%$ .
  - (3) Automatic initiation upon receipt of a high radiation signal.

#### 3. Post Maintenance Requirements

- a. After any maintenance or testing that could affect the HEPA filter or HEPA filter mounting frame leak tight integrity, the results of the in-place DOP tests at 1000 cfm ( $\pm 10\%$ ) shall show  $\leq 1\%$  DOP penetration on each individual HEPA filter and shall show  $< 0.05\%$  DOP penetration on the combined HEPA filters.
- b. After any maintenance or testing that could affect the charcoal adsorber leak tight integrity, the results of in-place halogenated hydrocarbon tests at 1000 cfm ( $\pm 10\%$ ) shall show  $\leq 0.05\%$  penetration on the combined charcoal adsorber banks.

3.17/4.17

### 4.0 SURVEILLANCE REQUIREMENTS

- c. At least once per operating cycle, but not to exceed 18 months, the following conditions shall be demonstrated for each emergency filtration system train:
  - (1) Pressure drop across the combined filters of each train shall be measured at 1000 cfm ( $\pm 10\%$ ) flow rate.
  - (2) Operability of inlet heater at nominal rated power shall be verified.
  - (3) Verify that on a simulated high radiation signal, the train switches to the pressurization mode of operation and the control room is maintained at a positive pressure with respect to adjacent areas at the design flow rate of 1000 cfm ( $\pm 10\%$ ).

#### 3. Post Maintenance Testing

- a. After any maintenance or testing that could affect the leak tight integrity of the HEPA filters, perform in-place DOP tests on the HEPA filters.
- b. After any maintenance or testing that could affect the leak tight integrity of the charcoal adsorber banks, perform halogenated hydrocarbon tests on the charcoal adsorbers.

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