



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

NORTHEAST NUCLEAR ENERGY COMPANY, ET AL.

DOCKET NO. 50-123

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 3

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 44
License No. NPF-49

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Northeast Nuclear Energy Company, et al. (the licensee) dated August 22, 1989, 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.

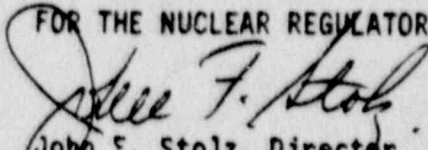
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. NPF-49 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 44, and the Environmental Protection Plan contained in Appendix B, both of which are attached hereto are hereby incorporated in the license. The licensee 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 of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION


John F. Stolz, Director
Project Directorate 1-4
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: December 27, 1989

ATTACHMENT TO LICENSE AMENDMENT NO. 44

FACILITY OPERATING LICENSE NO. NPF-49

DOCKET NO. 50-423

Replace the following pages of the Appendix A Technical Specifications with the enclosed pages. The revised pages are identified by amendment number and contain vertical lines indicating the areas of change. The corresponding overleaf pages are provided to maintain document completeness.

Remove

3/4 3-64

3/4 3-65

3/4 3-66

3/4 3-67

Insert

3/4 3-64

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3/4 3-67

TABLE 4.3-7 (Continued)

ACCIDENT MONITORING INSTRUMENTATION SURVEILLANCE REQUIREMENTS

<u>INSTRUMENT</u>	<u>CHANNEL CHECK</u>	<u>CHANNEL CALIBRATION</u>
16. Containment Area - High Range Radiation Monitor	M	R*
17. Reactor Vessel Water Level	M	R
18. Containment Hydrogen Monitor	M	R
19. Neutron Flux	M	R

*CHANNEL CALIBRATION may consist of an electronic calibration of the channel, not including the detector, for range decades above 10 R/h and a one point calibration check of the detector below 10 R/h with an installed or portable gamma source.

INSTRUMENTATION

FIRE DETECTION INSTRUMENTATION

LIMITING CONDITION FOR OPERATION

3.3.3.7 As a minimum, the fire detection instrumentation for each fire detection zone shown in Table 3.3-11 shall be OPERABLE.

APPLICABILITY: Whenever equipment protected by the fire detection instrument is required to be OPERABLE.

ACTION:

- a. With any, but not more than one-half the total in any fire zone, Function A fire detection instruments shown in Table 3.3-11 inoperable, restore the inoperable instrument(s) to OPERABLE status within 14 days or within the next 1 hour establish a fire watch patrol to inspect the zone(s) with the inoperable instrument(s) at least once per hour, unless the instrument(s) is located inside the containment, then inspect that containment zone at least once per 8 hours (or monitor the containment air temperature at least once per hour at the locations listed in Specification 4.6.1.6).
- b. With more than one-half of the Function A fire detection instruments in any fire zone shown in Table 3.3-11 inoperable, or with any Function B fire detection instruments shown in Table 3.3-11 inoperable, or with any two or more adjacent fire detection instruments shown in Table 3.3-11 inoperable, within 1 hour establish a fire watch patrol to inspect the zone(s) with the inoperable instrument(s) at least once per hour, unless the instrument(s) is located inside the containment, then inspect that containment zone at least once per 8 hours (or monitor the containment air temperature at least once per hour at the locations listed in Specification 4.6.1.5).
- c. The provisions of Specifications 3.0.3 and 3.0.4 are not applicable.

SURVEILLANCE REQUIREMENTS

4.3.3.7.1 Each of the above required fire detection instruments which are accessible during plant operation shall be demonstrated OPERABLE at least once per 6 months by performance of a FIRE DETECTOR OPERATIONAL TEST. Fire detectors which are not accessible during plant operation(*) shall be demonstrated OPERABLE by the performance of a FIRE DETECTOR OPERATIONAL TEST during each COLD SHUTDOWN exceeding 24 hours unless performed in the previous 6 months.

4.3.3.7.2 The NFPA Standard 72D supervised circuits supervision associated with the detector alarms of each of the above required fire detection instruments shall be demonstrated OPERABLE at least once per 6 months.

*Includes detectors in the Reactor Containment, HIGH Radiation Areas, and areas contaminated in excess of 100,000 dpm per 100 cm².

TABLE 3.3-11

FIRE DETECTION INSTRUMENTS

<u>INSTRUMENT LOCATION</u>	<u>TOTAL NUMBER OF INSTRUMENTS*</u>		
	<u>HEAT</u> (x/y)	<u>FLAME</u> (x/y)	<u>SMOKE</u> (x/y)
1. <u>Containment**</u>			
a. Elevation -24'6"	8/0		
b. RCP Cubicle D	4/0		
c. RCP Cubicle A	4/0		
d. RCP Cubicle C	4/0		
e. RCP Cubicle B	4/0		
f. Electrical Penetration Area, El. 24'6"			16/0
g. Outer Annulus, El. 3'8" and 24'6"			17/0
2. <u>Auxiliary Building</u>			
a. East MCC/Rod Area, X-Zone 1			0/16
b. West MCC/Rod Area, X-Zone 1			0/16
c. North Floor Area, El. 4'6"			19/0
d. RPCCW Pump Area, El. 24'6"			19/0
e. Charging Pump Area			3/0
f. General Area, El. 43'6"			26/0
g. General Area, El. 66'6"			23/0
h. East MCC/Rod Area, X-Zone 2			0/12
i. West MCC/Rod Area, X-Zone 2			0/12
j. General Area, El. 4'6"			8/0
3. <u>ESF Building</u>			
a. RSS Pump 1 Area			4/0
b. RSS Pump 2 Area			4/0
c. RHR HX Area North			8/0
d. RHR HX Area South			4/0
e. General Area, El. 4'6"			2/0
f. FWA Pump Area 1A Area			2/0
g. QSS Pump Area			4/0
h. FWA Pump 1B Area			4/0
i. FWA Pump 2 Area			5/0
j. North HVAC Area			2/0
k. South HVAC Area			2/0
l. H ₂ Recombiner Bldg.			7/0

*(x/y): x is number of Function A (early warning fire detection and notification only) instruments.
y is number of Function B (actuation of Fire Suppression Systems and early warning and notification) instruments.

**The fire detection instruments located within the containment Electrical Penetration Area, El. 24'6", are required to be OPERABLE during the performance of Type A containment leakage rate tests. All other fire detection instruments located within the containment are not required to be OPERABLE during the performance of Type A containment leakage rate tests.

TABLE 3.3-11 (Continued)

FIRE DETECTION INSTRUMENTS

<u>INSTRUMENT LOCATION</u>	<u>TOTAL NUMBER OF INSTRUMENTS*</u>		
	<u>HEAT</u> (x/y)	<u>FLAME</u> (x/y)	<u>SMOKE</u> (x/y)
<u>4. Control Building</u>			
a. Switchgear A, X-Zone 1			0/19
b. Cable Tray A, El. 4'6", X-Zone 1			0/19
c. A Battery Rooms			8/0
d. Switchgear B, X-Zone 1			0/20
e. Cable Tray B, El. 4'6", X-Zone 1			0/16
f. B Battery Rooms			6/0
g. Cable Spreading Rcom, NE X-Zone 1			0/8
h. Cable Spreading Room, SE X-Zone 1			0/11
i. Cable Spreading Room, NW X-Zone 1			0/8
j. Cable Spreading Room, SW X-Zone 1			0/11
k. Computer Room Floor			2/0
l. Instrument Rack Room East Floor			3/0
m. Instrument Rack Room West Floor			5/0
n. Computer Room			4/0
o. Instrument Rack Room East			7/0
p. Instrument Rack Room West			12/0
q. Computer Room HALON	0/4		
r. Instrument Rack HALON	0/17		
s. Control Room	1/0		28/0
t. HVAC Room			9/0
u. Chiller Room			3/0
v. Switchgear A, X-Zone 2			0/21
w. Switchgear B, X-Zone 2			0/26
x. Cable Spreading Room South, X-Zone 2			0/23
y. Cable Spreading Room South, X-Zone 2			0/16
<u>5. Emergency Diesel Building</u>			
a. Diesel Generator A Area	14/0	4/0	1/0
b. Diesel Generator B Area	14/0	4/0	1/0
c. Fuel Oil Vault A	0/3		2/0
d. Fuel Oil Vault B	0/3		2/0
<u>6. Intake Structure</u>			
a. Service Water Pump A			4/0
b. Service Water Pump B			4/0
c. Screen Wash Area			6/0
<u>7. Service Building</u>			
a. Cable Tunnel North, X-Zone 1			0/6
b. Cable Tunnel South, X-Zone 1			0/7
c. Cable Tunnel North, X-Zone 2			0/5
d. Cable Tunnel South, X-Zone 2			0/6

TABLE 3.3-11 (Continued)

FIRE DETECTION INSTRUMENTS

<u>INSTRUMENT LOCATION</u>	<u>TOTAL NUMBER OF INSTRUMENTS*</u>		
	<u>HEAT</u> (x/y)	<u>FLAME</u> (x/y)	<u>SMOKE</u> (x/y)
8. <u>Fuel Building</u>			
a. General Area			17/0
b. Fuel Pool Cooling Pump Area			4/0
c. RSST A	0/10		
d. RSST B	0/10		

INSTRUMENTATION

LOOSE-PART DETECTION SYSTEM

LIMITING CONDITION FOR OPERATION

3.3.3.8 The Loose-Part Detection System shall be OPERABLE.

APPLICABILITY: MODES 1 and 2.

ACTION:

- a. With one or more Loose-Part Detection System channels inoperable for more than 30 days, prepare and submit a Special Report to the Commission pursuant to Specification 6.9.2 within the next 10 days outlining the cause of the malfunction and the plans for restoring the channel(s) to OPERABLE status.
- b. The provisions of Specifications 3.0.3 and 3.0.4 are not applicable.

SURVEILLANCE REQUIREMENTS

4.3.3.8 Each channel of the Loose-Part Detection Systems shall be demonstrated OPERABLE by performance of:

- a. A CHANNEL CHECK at least once per 24 hours,
- b. An ANALOG CHANNEL OPERATIONAL TEST at least once per 31 days, and
- c. A CHANNEL CALIBRATION at least once per 18 months.