



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

DUKE POWER COMPANY

DOCKET NO. 50-359

MCGUIRE NUCLEAR STATION, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Facility Operating License No. NPF-9  
Amendment No. 1

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Duke Power Company (Licensee), dated June 17, 1981, 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 license, as amended, the provisions of the Act, and the 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.
  - F. Prior public notice of this amendment was not required since it does not involve a significant hazards consideration.

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2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment. Facility Operating License No. NPF-9 is hereby amended to read as follows:

- (2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 1 are hereby incorporated into this 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.

FOR THE NUCLEAR REGULATORY COMMISSION

*K. Tolson for*

Elinor G. Adensam, Acting Chief  
Licensing Branch No. 4  
Division of Licensing

Attachment:  
Page changes to Technical Specifications, Appendix A

Date of Issuance: JUN 19 1981

ATTACHMENT TO LICENSE AMENDMENT NO. 1

FACILITY OPERATING LICENSE NO. NPF-9

DOCKET NO. 50-369

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 area of change.

Pages

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TABLE 3.3-11 (Continued)

FIRE DETECTION INSTRUMENTS

Fire Zone	Description	Location	MINIMUM INSTRUMENTS OPERABLE*	
			Smoke	Fixed Temperature/ Rate of Rise
79	Safety Inj. Pump 1B	GG-54 EL. 716	2	2
80	Aisle/Cables	GG-55 EL. 716	12	12
91	Corridor/Cables	EE-53 EL. 733	4	4
92	Corridor/Cables	JJ-51 EL. 733	6	6
93	Corridor/Cables	NN-52 EL. 733	11	11
94	Aisle/Cables	JJ-55 EL. 733	8	8
95	600V MCC IEMXB-IEMXB3	FF-55 EL. 733	1	1
96	Cable Tray Access	EE-55 EL. 733	1	1
103	Corridor/Cables	MM-51 EL. 750	6	6
104	Hatch Area Cables	LL-53 EL. 750	7	7
106	600V MCC IEMXA	FF-54 EL. 750	2	2
108	Aisle/Cables	JJ-55 EL. 750	13	13
115	Corridor/Cables	JJ-54 EL. 767	13	13
116	HVAC Equip. Area/Cables	NN-52 EL. 767	7	7
130	Cables/Oil Fuel Pool	PP-52 EL. 750	4	4
134	RB Pipe Corridor	215° - 270°	5	0
135	RB Pipe Corridor	270° - 315°	5	0
136	RB Pipe Corridor	315° - 0°	6	0
137	RB Pipe Corridor	0° - 44°	4	0
138	RB Pipe Corridor	44° - 90°	4	0
139	RB Pipe Corridor	90° - 126°	4	0
140	RB Pipe Corridor	126° - 173°	7	0
141	RB Below Oper. Floor	329° - 349°	7	0
142	RB Below Oper. Floor	13° - 29°	4	0
143	RB Below Oper. Floor	34° - 51°	3	0
144	RB Below Oper. Floor	51° - 124°	13	0
145	RB Below Oper. Floor	124° - 143°	3	0
146	RB Below Oper. Floor	143° - 167°	8	0
147	RB Below Oper. Floor	RCP - 1A	4	1

TABLE 3.3-11 (Continued)  
FIRE DETECTION INSTRUMENTS

Fire Zone	Description	Location	MINIMUM INSTRUMENTS OPERABLE*	
			Smoke	Fixed Temperature/ Rate of Rise
148	RB Below Oper. Floor	RCP - 1B	1	1
149	RB Below Oper. Floor	RCP - 1C	3	1
150	RB Below Oper. Floor	RCP - 1D	4	1
151	RB Below Oper. Floor	VP Filter Bed	2	2
152	RB Below Oper. Floor	VP Filter Bed	2	2
153	RB Annulus	293° - 331°	10	0
154	RB Annulus	324° - 0°	4	0
155	RB Annulus	0° - 50°	5	0
156	RB Annulus	50° - 80°	4	0
157	RB Annulus	80° - 123°	24	0
158	RB Annulus	123° - 165°	22	0
159	RB Annulus	333° - 16°	13	0
160	RB Annulus	16° - 54°	23	0
161	RB Annulus	122° - 180°	16	0
162	RB Annulus	180° - 256°	13	0
127	Fuel Pool Area	MM-50, EL. 731+6	10	10

\*The fire detection instruments located within the containment are not required to be operable during the performance of Type A Containment Leakage Rate Tests.

## ELECTRICAL POWER SYSTEMS

### SURVEILLANCE REQUIREMENTS (Continued)

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8. Verifying the diesel generator operates for at least 24 hours. During the first 2 hours of this test, the diesel generator shall be loaded to greater than or equal to 4400 kw and during the remaining 22 hours of this test, the diesel generator shall be loaded to greater than or equal to 4000 kw. The generator voltage and frequency shall be at least 4160 volts and 57 Hz within 11 seconds after the start signal. The steady state generator voltage and frequency shall be maintained within  $4160 \pm 420$  volts and  $60 \pm 1.2$  Hz during this test. Within 5 minutes after completing this 24-hour test, perform Specification 4.8.1.1.2.d.7.b.\*
9. Verifying that the auto-connected loads to each diesel generator do not exceed the 2-hour rating of 4400 kw.
10. Verifying the diesel generator's capability to:
  - a) Synchronize with the offsite power source while the generator is loaded with its emergency loads upon a simulated restoration of offsite power,
  - b) Transfer its loads to the offsite power source, and
  - c) Be restored to its standby status.
11. Verifying that with the diesel generator operating in a test mode (connected to its bus), a simulated safety injection signal overrides the test mode by (1) returning the diesel generator to standby operation and (2) automatically energizing the emergency loads with offsite power.
12. Verifying that the fuel transfer pump transfers fuel from each fuel storage tank to the day tank of each diesel via the installed cross-connection lines.
13. Verifying that the load sequencing times are within the tolerances shown in Table 4.8-2.
14. Verifying that the following diesel generator lockout features prevent diesel generator starting only when required:
  - a) turning gear engaged,
  - b) emergency stop.

\*This test shall be performed at the first refueling outage and at least once per 18 months thereafter. This is a one time change to plant operations prior to initial criticality.