

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 FACIL:50-261 H. B. Robinson Plant, Unit 2, Carolina Power and Light 05000261
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 RECIP.NAME: RECIPIENT AFFILIATION
 SCHWENCER,A. Operating Reactors Branch 1

SUBJECT: Forwards amend to 790517 request to revise fire protection
 Tech Specs,Encl revised pages correct typographical &
 numbering errors & change specifications re reactor
 containment.

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 TITLE: FIRE PROTECTION INFORMATION (AFTER ISSUANCE OF OP.LIC.)

NOTES: -----

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	19 WAMBACH	1	1	20 MURANAKA,R	1	1
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Carolina Power & Light Company

June 7, 1979

FILE: NG-3514(R)

SERIAL: GD-79-1501

Office of Nuclear Reactor Regulation
ATTENTION: Mr. Albert Schwencer, Chief
Operating Reactors Branch No. 1
United States Nuclear Regulatory Commission
Washington, D.C. 20555

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261
LICENSE NO. DPR-23
REVISION OF TECHNICAL SPECIFICATIONS - FIRE PROTECTION

Dear Mr. Schwencer:

On May 17, 1979, Carolina Power & Light Company submitted a request to revise the Technical Specifications for the H. B. Robinson Plant to reflect changes and additions to the plant as a result of modifications to the fire protection system. This letter is an amendment to that request. The attached revised replacement pages for the affected specifications correct typographical and numbering errors and change the specifications for areas located within the Reactor Containment. Please substitute these revised pages for the ones originally submitted.

Yours very truly,

E. E. Utley
Executive Vice President
Power Supply & Customer Services

EEU/kc
Attachments

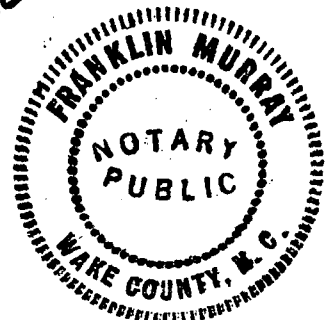
Sworn to and subscribed before me this 7th day of June, 1979.

Notary Public

My Commission Expires: October 4, 1981

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411 Fayetteville Street • P. O. Box 1551 • Raleigh, N. C. 27602

Applicability:

Applies to the operating status of the fire detection instrumentation, fire suppression systems, fire barriers, and to the administrative controls required for a comprehensive fire protection and prevention program. The requirements of these specifications shall apply to an area or areas when equipment in that area or areas is required to be operable as specified by other Limiting Conditions for Operation.

Objectives:

To assure the operability of Fire Protection Systems.

Reports:

Except as specified by the Limiting Conditions for Operation, the reporting requirements of 6.9.2 shall not apply for Fire Protection Systems.

Specification:3.14.1 Fire Detection and Actuation Instrumentation

- 3.14.1.1 As a minimum, the fire detection and actuation instrumentation for each fire detection zone shown in Table 3.14.1 shall be OPERABLE.
- 3.14.1.2 With the number of operable fire detection and actuation instruments less than required by Table 3.14.1:
 - a. For Fire Zones 24, 25 and 26 (inside Reactor Containment) initiate a daily inspection of the affected zone with particular emphasis on identifying any potential hazards for fire, or prepare and submit a thirty-day written report pursuant to 6.9.2.b.
 - b. For all other fire zones, within one (1) hour increase the inspection frequency of the zone with the inoperable instrument(s) to at least once per hour, or prepare and submit a thirty-day written report pursuant to 6.9.2.b.
 - c. Restore the inoperable instrument(s) to operable status within 14 days or prepare and submit a Special Report to the Commission pursuant to Specification 6.9.3.g within the next 30 days outlining the action taken, the cause of the inoperability and the plans and schedule for restoring the instrument(s) to operable status.

BASIS:

Operability of the fire detection and actuation instrumentation ensures that adequate warning capability is available for prompt detection of fires and provides for the actuation of automatic isolation and suppression systems which protect various safety related areas of the plant. The capabilities are required in order to detect, locate, isolate and extinguish fires in their early stages. Prompt detection of fires will reduce the potential for damage to safety related equipment and is an integral element in the overall facility fire protection program.

3.14.5 CO₂ Fire Protection System (Continued)

- 3.14.5 b. Restore the affected system to OPERABLE status within 14 days or prepare and submit a Special Report to the Commission pursuant to Specification 6.9.3.g within the next 30 days outlining the action taken, the cause of the inoperability and the plans and schedule for restoring the system to OPERABLE status.
- c. If a diesel generator CO₂ Fire Protection System is inoperable and the affected diesel generator is running, immediately post a continuous fire watch. A continuous fire watch shall be maintained until the CO₂ fire protection system is restored to operability or until the diesel generator has been shut down.

3.14.6 Halon Fire Protection System

- 3.14.6.1 The Halon Fire Protection System for the Cable Spread Room Emergency Switchgear Room and the Safeguards Room shall be OPERABLE:
 - a. With a complete bank of fully charged Halon cylinders in service.
 - b. With the systems aligned to deliver to the protected areas.
 - c. With automatic initiation logic operable.
 - d. A Halon cylinder shall be deemed to be fully charged if it contains not less than 90% of its full charge pressure and not less than 95% of its full charge weight.
- 3.14.6.2 With the Halon Fire Protection System in a condition of readiness less than required by the above:
 - a. Ensure that backup fire suppression equipment is available within one hour, or prepare and submit a thirty-day written report pursuant to 6.9.2.b.
 - b. Restore the system to OPERABLE status within 14 days or, in lieu of any other report required by Specification 6.9.2, prepare and submit a Special Report to the Commission pursuant to Specification 6.9.3.g within the next 30 days outlining the action taken, the cause of the inoperability and the plans and schedule for restoring the system to OPERABLE status.

TABLE 3.14.1
FIRE DETECTION AND ACTUATION INSTRUMENTATION

<u>FIRE ZONE NO.</u>	<u>ROOM</u>	<u>TRAINS A&B**</u>	<u>TRAIN A*</u>	<u>TRAIN B*</u>
1	Diesel Gen. B.	3	1	1
2	Diesel Gen. A	3	1	1
3	SIS Pump	2		
4	Charging Pump	2		
5	Component Cooling	4		
7	Aux. FW Pump	1		
8	Boron Injection	1		
9	Cable Vault N	1	1	1
10	Cable Vault S	6	1	1
11	Aux. Bldg. Corridor (N) 1st Floor	4		
12	Aux. Bldg. Corridor (Cent.) 1st Floor	4	1	1
13	Aux. Bldg. Corridor (S) 1st Floor	5		

FIRE ZONE
NO.

ROOM

TRAINS A&B**

TRAIN A*

TRAIN B*

15	Aux. Bldg Corridor 2nd Floor	5		
16	Battery Room	2		
17	HVAC Equipment	2		
19	Cable Spread Room #2	6	1	1
20	Emergency Switchgear Room	6		
21	Rod Control Room	2		
22	Control Room	6		
23	Hagan Relay Room	2		
24	Containment Elect. Penetrations	4		
25	RCP A RCP B RCP C	1 1 1		
26	HVH-1 HVH-2 HVH-3 HVH-4	1 1 1 1		
27	RHR Pit	2		
28	Pipe Space	6		

* Minimum number of detectors per train needed for suppression actuation.

** Minimum number of detectors needed for area coverage as per NFPA 72-E, 1978.

4.14 FIRE PROTECTION SYSTEM

Applicability :

Applies to periodic testing and surveillance program for Fire Protection System.

Objective:

To verify the ability of the Fire Protection System components to function as required and to prevent system degradation.

Specification:

4.14.1 Fire Detection Instrumentation

Each of the fire detectors in the fire detection zones in Table 3.14.1 shall be demonstrated OPERABLE by performance of a CHANNEL FUNCTIONAL TEST:

- a. At least once per operating cycle for Fire Zones 24, 25 and 26.
- b. At least once per six months for all other zones.

4.14.2 Fire Suppression Water System

The Fire Suppression Water System shall be demonstrated OPERABLE:

- a. At least once per month on a STAGGERED TEST BASIS by starting each pump from ambient conditions and operating it for $\geq N$ minutes. Note: $N = 15$ for the electric motor driven fire pump, and $N = 60$ for the propane engine driven fire pump.
- b. At least once per month by verifying that each valve (manual, power operated or automatic) in the flow path is in its correct position.
- c. At least once per 12 months by cycling each valve in the flow path through at least one complete cycle of full travel.
- d. At least once per 18 months by performing a system functional test which includes simulated automatic actuation of the system throughout its operating sequence, and:
 1. Verifying that each pump develops at least 2500 gpm at a system pressure of 125 psig.
 2. Verifying that each high pressure pump starts sequentially from ambient conditions to restore the fire suppression water supply pressure to ≥ 125 psig and runs for $\geq N$ minutes while loaded with the fire pump. Note: $N = 15$ for the electric motor driven fire pump, and $N = 60$ for the propane engine driven fire pump.
- e. At least once per 3 years by performing flow tests of the system in accordance with Section II, Chapter 5 of Fire Protection Handbook, 14th Edition published by Nation Fire Protection Associates.