CONSUMERS POWER COMPANY
Docket 50-155
Request for Change to the Technical Specifications
License DPR-6

For the reasons hereinafter set forth, it is requested that the Technical Specifications contained in the Facility Operating License DPR-6, Docket 50-155, issued to Consumers Power Company on May 1, 1964, for the Big Rock Point Plant be changed as described in Section I below:

I. Changes

A. Section 4.3.3.8.1.a

Revise to read, "Once per six months by a CHANNEL FUNCTIONAL TEST except for detectors located in the recirculation pump room which shall be tested at each refueling outage, and...."

B. Table 3.3-8, "Fire Detection Instruments"

Add: "Zone 3 Elevation 599'" to Item 1.

Add: New Items 4 through 12 as shown on attached revised page.

C. Section 3.7.11.2

Add: "c. Recirculation pump sump area."

D. Section 3.7.11.2 - Action a

Revise to read, "With one or more of the spray and/or sprinkler systems required by a or b above inoperable, ..."

E. Section 3.7.11.2

Add new Action b reading,

"With the spray and/or sprinkler system required by c above inoperable, stage backup fire suppression equipment for the area within one (1) hour. If the inoperable condition is due to equipment outside the recirculation pump room, 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 within the next 30 days outlining the action to be taken, the cause of the inoperability, and the plans and schedule for restoring the system to OPERABLE status. If the inoperable condition is due to equipment inside the recirculation pump room, restore the system to OPERABLE status before the next start-up from cold shutdown. If the system is not returned to OPERABLE status within 14 days, submit, in lieu of any other report required by

Specification 6.9.2, a Special Report to the Commission pursuant to Specification 6.9.4 within the next 30 days outlining the cause of the inoperability and the plans and schedule for restoring the system to OPERABLE status."

F. Section 4.7.11.2.b

Add a note reading, "NOTE: The airflow test requirement is not applicable to the closed head recirculation pump sump area system."

G. Section 3.7.11.5

Add: New Items 9 and 10 as shown on attached revised page.

NOTE: Revised Technical Specifications pages are attached. Proposed changes are shown by a vertical line in the right-hand margin.

II. Discussion

Amendment No 25 to License DPR-6, issued April 4, 1979, requires certain modifications at Big Rock Point for purposes of fire protection. This change adds the new equipment to the existing Technical Specifications operability and surveillance requirements for similar equipment.

III. Conclusion

Based on the foregoing, both the Big Rock Point Plant Review Committee and the Safety and Audit Review Board have reviewed these changes and find them acceptable.

CONSUMERS POWER COMPANY

By R B DeWitt
R B DeWitt, Vice President
Nuclear Operations

Sworn and subscribed to before me this 22nd day of September 1980.

Linda K. Carstens
Linda K Carstens, Notary Public
Jackson County, Michigan
My commission expires June 10, 1981.

PROPOSED

TECHNICAL SPECIFICATIONS CHANGES

FOR

BIG ROCK POINT

INSTRUMENTATION

FIRE DETECTION

LIMITING CONDITION FOR OPERATION

3.3.3.8 As a minimum, the fire detection instrumentation for each fire detection zone shown in Table 3.3-8 shall be OPERABLE.

APPLICABILITY: At all times when the equipment in the area is required to be OPERABLE.

ACTIONS:

With the number of instruments OPERABLE less than required by Table 3.3-8;

a. Within one (1) hour, establish a fire watch patrol to inspect the zone with the inoperable instrument(s) at least once per hour, and

b. Restore the inoperable instrument(s) 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 6.9.4 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.

SURVEILLANCE REQUIREMENTS

4.3.3.8.1 Each of the above fire detection instruments shall be demonstrated OPERABLE:

a. Once per six months by a CHANNEL FUNCTIONAL TEST except for detectors located in the recirculation pump room which shall be tested at each refueling outage; and

b. Once per 31 days by verifying proper alignment of power sources to the circuits.

TABLE 3.3-8

FIRE DETECTION INSTRUMENTS

Instrument Location	Total Instruments	Minimum Instruments Operable	
		Heat	Smoke
1. Electrical Equipment Room			
Zone 1 Elevation 614'	5	-	3
Zone 2 Elevation 603'	2	-	1
Zone 3 Elevation 599'	4	-	2
2. Exterior Cable Penetration Room			
Zone 1 Elevation 614'	5	-	3
3. Interior Cable Penetration Room			
Zone 1 Elevation 614'	6	-	4
4. Emergency Diesel Generator Room	2	1	-
5. Screenwell and Pump House	4	2	-
6. Control Room			
Zone 1 Elevation 627'-9"	2	-	1
Zone 2 Elevation 626'-0"	3	-	2
7. Core Spray Pump Room	2	-	1
8. Computer Room	2	-	1
9. Condensate Pump Room	2	-	1
10. Control Rod Drive Accumulator Room			
Zone 1 Elevation 599'	2	-	1
11. Shutdown Heat Exchanger Room	2	-	1
12. Recirculation Pump Room	3	2	-

FIRE SPRAY AND/OR SPRINKLER SYSTEMS

LIMITING CONDITION FOR OPERATION

3.7.11.2 The spray and/or sprinkler systems located in the following areas shall be OPERABLE.

a. Cable spreading area under the control room.

b. Exterior cable penetration area.

c. Recirculation pump sump area.

APPLICABILITY: At all times when the equipment in the area is required.

ACTIONS:

a. With one or more of the spray and/or sprinkler systems required by a or b above inoperable, establish a continuous fire watch with backup fire suppression equipment for the unprotected area(s) within one (1) hour; 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 6.9.4 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.

b. With the spray and/or sprinkler system required by c above inoperable, stage backup fire suppression equipment for the area within one (1) hour. If the inoperable condition is due to equipment outside the recirculation pump room, 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 6.9.4 within the next 30 days outlining the action to be taken, the cause of the inoperability and the plans and schedule for restoring the system to OPERABLE status. If the inoperable condition is due to equipment inside the recirculation pump room, restore the system to OPERABLE status before the next start-up from cold shutdown. If the system is not returned to OPERABLE status within 14 days, submit, in lieu of any other report required by Specification 6.9.2, a Special Report to the Commission pursuant to Specification 6.9.4 within the next 30 days outlining the cause of the inoperability and the plans and schedule for restoring the system to OPERABLE status.

SURVEILLANCE REQUIREMENTS

4.7.11.2 The spray and/or sprinkler systems shall be demonstrated to be OPERABLE:

a. Once per 18 months:

1. By visual inspection of spray headers to verify their integrity.

2. By visual inspection of each nozzle to verify no external blockage.

b. Once per three (3) years by an airflow test of the open head spray and/or open head sprinkler system and verifying each open head spray and/or sprinkler nozzle is unobstructed.

NOTE: The airflow test requirement is not applicable to the closed head recirculation pump sump area system.

PLANT SYSTEMS

FIRE HOSE STATIONS

LIMITING CONDITIONS FOR OPERATION

3.7.11.5 The fire hose stations in the following locations shall be OPERABLE:

1. Electrical equipment room.
2. Emergency condenser level.
3. Equipment lock laydown area.
4. Third floor corridor.
5. Screenhouse.
6. Machine shop.
7. Condensate pump area.
8. Core spray pump room (hydrant and hose house west of pump room).
9. Reactor cooling water pump area.
10. Interior cable penetration area.

APPLICABILITY:

Whenever equipment in the areas protected by the fire hose stations is required to be OPERABLE:

ACTION:

With a hose station inoperable, provide an additional hose for the unprotected area at an OPERABLE hose station within one hour and designate the new hose and station as safety related.

SURVEILLANCE REQUIREMENTS

4.7.11.5 Each fire station shall be verified to be OPERABLE:

a. Once per 31 days by visual inspection of the station to assure all equipment is available at the station.

b. Once per 18 months by removing the hose for inspection and reracking and replacing (as required) all gaskets in the couplings that are degraded.

c. At least once per 3 years by:

1. Partially opening each hose station valve to verify valve OPERABILITY and no flow blockage.

2. Conducting a hose hydrostatic test at a pressure at least 50 psig greater than the maximum pressure available at that hose station.