

3.14.B.3 (Cont'd)

- b. an operable flow path to each room and
 - c. sixteen heat detectors in each diesel room, except that one detector or both detectors in one zone in each room may be inoperable for a period not to exceed seven days.
4. If the requirements of 3.14.B.1, 2, or 3 cannot be met,
- a. establish a continuous fire watch with back-up fire suppression equipment for the unprotected area (HPCI, Cable Spreading, Computer, Diesel Generator) within 1 hour
 - b. restore the system to an operable status within 14 days, or in lieu of any other report required by Specification 6.9.2, submit a Special Report to the Commission pursuant to Specification 6.9.3 within 31 days outlining the cause of the malfunction and the plans for restoring the system to an operable status. Reactor startup and/or continued reactor operation is permissible.

<u>Location</u>	<u>Detector Type/ Designation (1)</u>	<u>Minimum Detectors Operable</u>
Core Spray Pump Rooms	S133, S134, S135, S136	4
Vac. Breaker Area- Room 160,161	S158, S159, S160	3
RHR Rooms		
Room 156	S120, S121	2
Room 157	S122, S123, S124	3
Room 158	S125, S126, S127	3
Room 159	S128, S129, S130	3
Torus Area	S150, S151, S152, S153 S154, S155, S156, S157	7
M-G Set Lube Oil Room (Rm 162)	S161, S162, S163 S164, S165	4
Recirc. Pump MG Set Room	S111, S112, S113 S114, S116, S117	5
Emerg. Switchgear Rooms	S107, S108, S109 S110	4
Battery Rooms		
Room 266	S147, S148	2
Room 268	S145, S146	2
13KV Switchgear Area (116')	S75, S76, S77	3
HPSW Pump Room	S391	1
<u>COMMON</u>		
Control Room	S21, S22, S23, S24	4
Control Room Offices	S137, S138, S139 S140, S141, S142	6
Cable Spreading Room	S4, S7, S9, S10 S47 through S67 (total: 25)	23
Computer Room	S5, S6	2
Diesel Generator Rooms	H550A, B thru H557A, B and H796A, B thru H819A, B (16 in each room)	(See 3.14.B.3.c)
D-G Bldg.-Cardox Room	S540, S541, S542	3

PBAPS

3.14 BASES

The water and CO₂ Fire Protection Systems provide fire suppression capabilities in those areas of the plant where protection of plant equipment is deemed necessary.

A. Water Fire Protection System

Two fire pumps supply water to sprinklers, manual hose stations, and hydrants in or surrounding the plant. One electrically driven pump is powered from an emergency power bus; the other pump is diesel driven. The capacity of each pump is in excess of the system design load.

In the event that both fire pumps become inoperable, immediate corrective measures are taken since this system is a major portion of the fire suppression capability of the plant. The requirement for a twenty-four hour report to the Commission provides for prompt evaluation of the acceptability of the corrective measures to provide adequate fire suppression capability for the continued protection of the plant.

B. CO₂ Fire Protection Systems

The CO₂ Fire Protection Systems provide fire suppression capability for the Cable Spreading Room, Computer Room, Control Room, HPCI Rooms, and the Diesel Generator Rooms. The specified minimum quantities of CO₂ provide the capability to flood the Cable Spreading Room and Computer Room simultaneously, a HPCI room, or a Diesel Generator Room with sufficient CO₂ to meet concentration objectives.

In the event that portions of the CO₂ Fire Protection System are inoperable, alternate backup fire fighting equipment is required to be made available in the affected areas until the affected fire suppression equipment can be returned to service.

C. Fire Detection

Operability of the fire detectors ensures that adequate warning is available for the prompt detection of fires. This capability is required in order to detect and locate fires in their early stages. Prompt detection of fires will reduce the potential for damage to plant equipment and is an integral element in the overall plant fire protection program. Table 3.14.C.1 specifies the minimum number of operable detectors in each room.

There are sixteen heat detectors in each diesel generator room, two detectors located in close proximity to each other at each of eight locations (each constituting a "zone"). Actuation of both detectors in any zone will initiate Cardox discharge in the room and a trip signal to the diesel generator in the room. One detector or both detectors in one zone of each diesel generator room may be inoperable for a period not to exceed seven days without compensatory measures being taken.

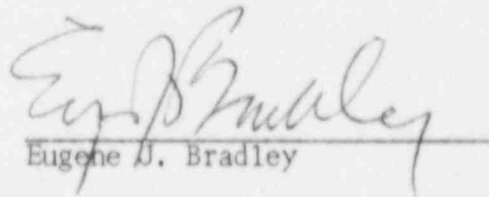
CERTIFICATE OF SERVICE

I hereby certify that copies of the foregoing Application were served on the following by deposit in the United States Mail, first class postage prepaid, on the 7th day of September, 1988

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