

TABLE 3.3-10

FIRE DETECTION INSTRUMENTATION

<u>ZONE</u>	MINIMUM DETECTORS OPERABLE		<u>LOCATION</u>
	<u>THERMAL</u>	<u>SMOKE</u>	
2.02.01		6	ZONE-1B REACTOR AUX. BLDG. EL.0.50
2.02.02		3	ZONE-2B REACTOR AUX. BLDG. EL.0.50
2.02.03		12	ZONE-3B REACTOR AUX. BLDG. EL.19.50
2.02.04	3	2	ZONE-4B REACTOR AUX. BLDG. EL.43.00
2.02.05		4	ZONE-5B REACTOR AUX. BLDG. EL.19.50
2.02.06		7	ZONE-6B REACTOR AUX. BLDG. EL. 43.00
2.02.07		9	ZONE-7B REACTOR AUX. BLDG. EL. 43.00
2.02.08		1	ZONE-8B REACTOR AUX. BLDG. EL. 62.00
2.02.09		3	ZONE-9B REACTOR AUX. BLDG. EL. 43.00
2.02.10		3	ZONE-10B REACTOR AUX. BLDG. EL. 43.00
2.02.11		1	ZONE-11B ELECT. PENET. REC. (ANNULUS)
2.02.12		7	ZONE-12B ELECT. PENET. REC. AUX. BLDG. EL.19.60
2.02.13		1	ZONE 13-B REACTOR TUNNEL BELOW EL. 18.00
2.02.14		9	ZONE-14B REACTOR EL. 18.00
2.02.15	6	10	ZONE-15B REACTOR EL. 45.00
2.02.16		6	ZONE-16B TURBINE BLDG. SWITCHGEAR ROOM
2.02.20		2	ZONE-20B FUEL HANDLING BLDG. EL.19.50
2.02.21		3	ZONE-21B FUEL HANDLING BLDG. EL.48.00
2.02.22	8*	1	ZONE-22B DIESEL GEN. BLDG.
2.01.01		6	ZONE-1A REACTOR AUX. BLDG. EL.0.50
2.01.02		6	ZONE-2A REACTOR AUX. BLDG. EL.0.50
2.01.03		12	ZONE-3A REACTOR AUX. BLDG. EL.19.50

\*includes pre-action detectors

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TABLE 3.3-10 (Cont'd)

FIRE DETECTION INSTRUMENTATION

<u>ZONE</u>	MINIMUM DETECTORS OPERABLE		<u>LOCATION</u>
	<u>THERMAL</u>	<u>SMOKE</u>	
2.01.04	1	7	ZONE-4A REACTOR AUX. BLDG. EL.19.50
2.01.05		9	ZONE-5A REACTOR AUX. BLDG. EL.19.50
2.01.06		9	ZONE-6A REACTOR AUX. BLDG. EL.43.00
2.01.07		8	ZONE-7A REACTOR AUX. BLDG. EL.43.00
2.01.08		6	ZONE-8A REACTOR AUX. BLDG. EL.62.00
2.01.09		3	ZONE-9A REACTOR AUX. BLDG. EL.43.00
2.01.10		3	ZONE-10A REACTOR AUX. BLDG. EL.43.00
2.01.11		1	ZONE-11A ELECT. PENET. REC. (ANNULUS)
2.01.12		6	ZONE-12A ELECT. PENET. REC. AUX. BLDG. EL.19.60
2.01.13		3	ZONE-13A REACTOR TUNNEL BELOW EL.18.00
2.01.14		10	ZONE-14A REACTOR EL.18.00
2.01.15	2	7	ZONE-15A REACTOR EL.45.00
2.01.20		2	ZONE-20A FUEL HANDLING BLDG. EL.19.50
2.01.21		5	ZONE-21A FUEL HANDLING BLDG. EL.48.00
2.01.22	8*	1	ZONE-22A DIESEL GEN. BLDG.

\*includes pre-action detectors

PLANT SYSTEMS

3/4.7.11 FIRE SUPPRESSION SYSTEMS

FIRE SUPPRESSION WATER SYSTEM

LIMITING CONDITION FOR OPERATION

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- 3.7.11.1 The fire suppression water system shall be OPERABLE\* with:
- a. Two high pressure pumps, each with a capacity of 2350 gpm, with their discharge aligned to the fire suppression header,
  - b. Separate water supplies, each with a minimum contained volume of 300,000 gallons, and
  - c. An OPERABLE flow path capable of taking suction from the city water storage tank 1A and the city water storage tank 1B and transferring the water through distribution piping with OPERABLE sectionalizing control or isolation valves to the yard hydrants, the last valve ahead of the water flow alarm device on each sprinkler or hose standpipe required to be OPERABLE per Specifications 3.7.11.2, 3.7.11.3, and 3.7.11.4.

APPLICABILITY: At All times.

ACTION:

- a. With one pump and/or one water supply inoperable, restore the inoperable equipment to OPERABLE status within 7 days or, in lieu of any other report required by Specification 6.9.1, prepare and submit a Special Report to the Commission pursuant to Specification 6.9.2 within the next 30 days outlining the plans and procedures to be used to provide for the loss of redundancy in this system. The provisions of Specifications 3.0.3 and 3.0.4 are not applicable.
- b. With the fire suppression water system otherwise inoperable:
  1. Establish a backup fire suppression water system within 24 hours, and
  2. Submit a Special Report in accordance with Specification 6.9.2;
    - a) By telephone within 24 hours,
    - b) Confirmed by telegraph, mailgram or facsimile transmission no later than the first working day following the event, and

\*The emergency power source may be inoperable in Modes 5 or 6.

## PLANT SYSTEMS

### FIRE HOSE STATIONS

#### LIMITING CONDITION FOR OPERATION

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3.7.11.2 The fire hose stations shown in Table 3.7-3 shall be OPERABLE.

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

#### ACTION:

- a. With one or more of the fire hose stations shown in Table 3.7-3 inoperable, route an additional equivalent capacity fire hose to the unprotected areas(s) from an OPERABLE hose station within 1 hour if the inoperable fire hose is the primary means of fire suppression; otherwise route the additional hose within 24 hours. Restore the fire hose station to OPERABLE status within 14 days or, in lieu of any other report required by Specification 6.9.1, prepare and submit a Special Report to the Commission pursuant to Specification 6.9.2 within the next 30 days outlining the action taken, the cause of the inoperability and the plans and schedule for restoring the station to OPERABLE status.
- b. The provisions of Specifications 3.0.3 and 3.0.4 are not applicable.

#### SURVEILLANCE REQUIREMENTS

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4.7.11.2 Each of the fire hose stations shown in Table 3.7-3 shall be demonstrated OPERABLE:

- a. At least once per 31 days by visual inspection of the stations accessible during plant operation to assure all required equipment is at the station.
- b. At least once per 18 months by:
  1. Visual inspection of the stations not accessible during plant operations to assure all required equipment is at the station.
  2. Removing the hose for inspection and re-racking, and
  3. Inspecting all gaskets and replacing any degraded gaskets in the couplings.
- 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 of 150 psig or at least 50 psig above maximum fire main operating pressure, whichever is greater. (Hoses on exterior hose stations shall be hydrostatic tested once per year)

TABLE 3.7-3  
FIRE HOSE STATIONS

- A. Hose Stations (Turbine Building)
  - 1. Operating Floor (northeast corner)
  - 2. Operating Floor (southeast corner)
  - 3. Operating Floor (middle east side)
- B. Hose Stations (Reactor Auxiliary Building)
  - 1. 43 ft. level south wall of HVE room
  - 2. 43 ft. level cable spreading room near MCC 1B5
  - 3. 43 ft. level southwest corner of communications area near door
  - 4. 43 ft. level cable spreading room "A" west wall
  - 5. 19.5 ft. level east end of east-west hall
  - 6. 19.5 ft. level middle of east-west hall
  - 7. 19.5 ft. level south end of north-south hall.
  - 8. 19.5 ft. level entrance hall on south wall
  - 9. -5 ft. level east end of hall
  - 10. -5 ft. level south wall of hall near MCC 1B2.
  - 11. -5 ft. level west end of hall.

PLANT SYSTEMS

YARD FIRE HYDRANTS AND HYDRANT HOSE HOUSES

LIMITING CONDITION FOR OPERATION

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3.7.11.3 The yard fire hydrants and associated hydrant hose houses shown in Table 3.7-4 shall be OPERABLE.

APPLICABILITY: Whenever equipment in the areas protected by the yard fire hydrants is required to be OPERABLE.

ACTION:

- a. With one or more of the yard fire hydrants or associated hydrant hose houses shown in Table 3.7-4 inoperable, within 1 hour have sufficient additional lengths of 2 1/2 inch diameter hose located in an adjacent OPERABLE hydrant hose house to provide service to the unprotected area(s) if the inoperable fire hydrant or associated hydrant hose house is the primary means of fire suppression; otherwise, provide the additional hose within 24 hours. Restore the hydrant or hose house to OPERABLE status within 14 days or, in lieu of any other report required by Specification 6.9.1, prepare and submit a Special Report to the Commission pursuant to Specification 6.9.2 within the next 30 days outlining the action taken, the cause of the inoperability, and the plans and schedule for restoring the hydrant or hose house to OPERABLE status.
- b. The provisions of Specification 3.0.3 and 3.0.4 are not applicable.

SURVEILLANCE REQUIREMENTS

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4.7.11.3 Each of the yard fire hydrants and associated hydrant hose houses shown in Table 3.7-4 shall be demonstrated OPERABLE:

- a. At least once per 31 days by visual inspection of the hydrant hose house to assure all required equipment is at the hose house.
- b. At least once per 6 months by visually inspecting each yard fire hydrant and verifying that the hydrant is not damaged.
- c. At least once per 12 months by:
  1. Conducting a hose hydrostatic test at a pressure at least 50 psig greater than the maximum pressure available at any yard fire hydrant.
  2. Inspecting all the gaskets and replacing any degraded gaskets in the hose couplings.
  3. Performing a flow check of each hydrant to verify its OPERABILITY.

TABLE 3.7-4

YARD FIRE HYDRANTS AND ASSOCIATED HYDRANT HOSE HOUSES

<u>LOCATION</u>	<u>HYDRANT NUMBER</u>
East of intake fence enclosure	Fire Hydrant #10 & Hose House #3
North of Steam Generator Blowdown Building	Fire Hydrant #14
North of CCW fence enclosure gate, Hose house on east wall of Fuel Handling Building	Fire Hydrant #4 & Hose House #1
East wall of Diesel Generator	Fire Hydrant #6 & Fire House #7

## PLANT SYSTEMS

### SPRAY AND/OR SPRINKLER SYSTEMS

#### LIMITING CONDITION FOR OPERATION

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3.7.11.4 The following spray and/or sprinkler system(s) shall be OPERABLE:

- a. Diesel Generator Building 1A.
- b. Diesel Generator Building 1B.

APPLICABILITY: Whenever equipment protected by the spray/sprinkler system is required to be OPERABLE.

#### ACTION:

- a. With one or more of the above required spray and/or sprinkler systems inoperable, within one hour establish a continuous fire watch with backup fire suppression equipment for those areas in which redundant systems or components could be damaged; for other areas, establish an hourly fire watch patrol. Restore the system to OPERABLE status within 14 days or, in lieu of any other report required by Specification 6.9.1, prepare and submit a Special Report to the Commission pursuant to Specification 6.9.2 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. The provisions of Specifications 3.0.3 and 3.0.4 are not applicable.

#### SURVEILLANCE REQUIREMENTS

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4.7.11.4 Each of the above required spray and/or sprinkler systems shall be demonstrated OPERABLE:

- a. At least once per 31 days by verifying that each valve (manual, power operated or automatic) in the flow path is in its correct position.
- b. At least once per 12 months by cycling each testable valve in the flow path through at least one complete cycle of full travel.

PLANT SYSTEMS

SURVEILLANCE REQUIREMENTS (Continued)

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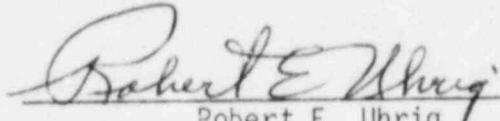
1. By performing a system functional test which includes simulated automatic actuation of the system, and:
  - a) Verifying that the automatic valves in the flow path actuate to their correct positions on a test signal, supplied from a thermal detector, and
  - b) Cycling each valve in the flow path that is not testable during plant operation through at least one complete cycle of full travel.
2. By a visual inspection of the dry pipe spray and sprinkler headers to verify their integrity, and
3. By a visual inspection of each nozzle's spray area to verify the spray pattern is not obstructed.

STATE OF FLORIDA     )  
                              )  
COUNTY OF DADE     )     ss.

Robert E. Uhrig, being first duly sworn, deposes and says:

That he is Vice President of Florida Power & Light Company, the licensee herein;

That he has executed the foregoing document; that the statements made in this said document are true and correct to the best of his knowledge, information, and belief, and that he is authorized to execute the document on behalf of said

  
Robert E. Uhrig

Subscribed and sworn to before me this

22 day of December, 1982

Cheryl L. Fredrick  
NOTARY PUBLIC, in and for the County of Dade,  
State of Florida

My commission expires: Notary Public, State of Florida at Large  
My Commission Expires October 30, 1983  
Bonded and Licensed Bonding Agency