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July 2, 1979
JPN-79-40

Director of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Mr. Thomas A. Ippolito, Chief
Operating Reactors Branch No. 3
Division of Operating Reactors

Subject: James A. FitzPatrick Nuclear Power Plant
Docket No. 50-333
Additional Responses to the Draft Safety
Evaluation Report (SER) Relating to Fire
Protection Program

Dear Sir:

By letter dated May 23, 1979 you requested the Authority to supplement our responses of May 7, 1979 (JPN-79-25) and March 7, 1979 (JPN-79-12).

Our responses are as follows:

SER Paragraph 3.1.1: Interior Hose Stations

This has been implemented.

SER Paragraph 3.1.4: Self-Contained Breathing Apparatus

The air bottles and breathing air compressor are all on plant site. After determining a proper location, these will be installed by December 1979.

SER Paragraph 3.1.5: Administrative Controls

The existing fire protection administrative programs will be amended and implemented by January 1980.

SER Paragraph 3.1.6: Emergency Lighting

The modifications to the emergency lighting system serving the access and egress routes to the cable spreading room entrance, relay room entrance, east cable tunnel entrance and escape hatch, and the west cable tunnel entrance will be completed by January 1980.

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SER Paragraph 3.1.10: Exterior Hydrant Hose Houses

The exterior hose houses have been mounted on concrete pedestals with doors adjusted to provide sufficient ground clearance. The damaged doors on exterior hose houses have been repaired.

Administrative Control procedures, to provide a semi-annual inspection of exterior hydrants and monthly inspection of the equipment stored in the exterior hose houses, will be established by October 1979.

SER Paragraph 3.1.11: Post-Indicator Valve Wrenches

Valve operating wrenches for post indicator valves in the yard loop have been provided and properly stored.

SER Paragraph 3.1.14: Control of Combustibles

Exterior areas have been adequately posted to prohibit the storage of flammable and combustible materials in the yard areas adjacent to safety-related structures. Therefore, no administrative control procedures need to be established.

A one hour fire rated barrier will be installed between the kitchen and the remainder of the control room by December 1979.

Wood cabinets in the kitchen area have been replaced with cabinets of non-combustible (metallic) materials. Similarly, wood book cases have been removed from the control room and metallic filing cabinets for papers, logs, operating manuals, etc., have been provided in the control room complex.

The turbine oil system valves and other piping system valves that could allow drainage of combustible fluids if improperly positioned have been locked in their proper positions and are checked monthly.

SER Paragraph 3.2.4: Diesel Fire Pump Room Sprinkler Head Spacing

In response to your specific concern as stated in your letter of May 23, 1979, the entire system design will be verified in accordance with NFPA-13, by August 1979. If modification is required the proposed modification will be completed by September 1979 and any required installation will be completed by June 1980.

SER Paragraph 3.3.1: Detector Testing

The verification by analysis or tests to assure, that proper consideration has been given to such factors as ceiling height, ventilation rate and air velocity, location and arrangement of combustibles, etc., in determining the type, number and location

of fire detectors for existing and proposed detector systems, will be completed by December 1979. Any modification if required as a result of this program will be completed by October 1980.

SER Paragraph 3.3.16: Flame Retardant Coating

With respect to your request, by letter dated May 23, 1979, the entire fire test documentation for cabling installed in the FitzPatrick plant consists of several hundred pages. As agreed with your Mr. P. Polk, one copy of this documentation will be forwarded to you by August 1979.

For your convenience, a revised Table 3.1 is attached.

We trust that with this letter all outstanding issues on the Fire Protection Program and the SER are resolved.

Very truly yours,



Paul J. Early
Assistant Chief Engineer-Projects

TABLE 3.1 (REVISED 6/27/79)

IMPLEMENTATION DATES FOR
LICENSEE PROPOSED MODIFICATIONS
AND STAFF REQUIREMENTS

<u>ITEM</u>	<u>DATE</u>
3.1.1 Interior Hose Station (PF-9)	Implemented
3.1.2 Valve Supervision	Implemented
3.1.3 Manual Fire Fighting Equipment (PF-28)	June 1979
3.1.4 Self-Contained Breathing Apparatus	December 1979
3.1.5 Administrative Controls	January 1980
3.1.6 Emergency Lighting (PF-25)	January 1980
3.1.7 Fire Doors (PF-35)	June 1979
3.1.8 Ventilation System-Safety Related Pump Rooms* (PF-24)	Spring 1980
3.1.9 Alternate Shutdown Capabiltiy-Relay Room*	October 1980
3.1.10 Exterior Hydrant Hose House (PF-12)	October 1979
3.1.11 Post-Indicator valve Operators (PF-14)	Implemented
3.1.12 Post-Indicator Valve Labeling (PF-31)	June 1979
3.1.13 Fire Brigade Leader Training (PF-30)	June 1979
3.1.14 Control of Combustibles (PF-29)	December 1979
3.3.1 Detector Testing	December 1979/October 1980
3.3.2 Signaling Circuit Supervision (PF-19)	** (see below)
3.3.3 Fire Alarm Annuciation in the Control Room	Implemented
3.3.4 Fire Pump Performance	July 1979
3.3.5 Fire Pump Capacity	July 1979
3.3.6 Water Suppression System Design Details	July 1979
3.3.7 Total Flooding CO ₂ Suppression System Ventilation System Interlocks	Spring 1980
3.3.8 Fire Detection and Signaling System (PF-19)	October 1980
3.3.9 Exposed Structural Steel (PF-22)	October 1980
3.3.10 Fire Brigade Composition (PF-17)	
3.3.11 Crescent Area Fire Protection (PF-23)	Spring 1980
3.3.12 Electrical Cable Penetration Qualification (PF-27)	** (see below)
3.3.13 Ventilation Duct Penetration	July 1980
3.3.14 Piping Penetration Seal Qualification	October 1980
3.3.15 Testing of Carbon Dioxide Fire Suppression Systems (PF-18)	August 1979
3.3.16 Flame Retardant Coating	Impelemented
3.3.17 Alternate Shutdown Capability-Cable Spreading Room	October 1980

Note 1: The Authority will make every effort to complete all required modifications by October 31, 1980.

*Note 2: The design details for these modifications will be subject to further staff review prior to implementation.

**Date to be determined on completion of study.

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