

June 9, 1986

Docket No. 50-251

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Mr. C. O. Woody, Group Vice
President
Nuclear Energy Department
Florida Power and Light Company
Post Office Box 14000
Juno Beach, Florida 33408

Dear Mr. Woody:

Subject: Schedular Exemption - Fire Protection Schedular Requirements
 of 10 CFR 50.48(c)(4)

Reference: TAC Numbers 59745, 60128 and 60129

The Commission has issued the enclosed Exemption to the schedular requirements for fire protection relating to cable rerouting, penetration seals, raceway (conduit protection) and alternate shutdown (including procedures) for the Turkey Point Plant Unit 4.

A copy of the Exemption is being forwarded to the Office of the Federal Register for publication. The Notice of Environmental Assessment and Finding of No Significant Impact was published in the Federal Register on June 9, 1986.

Because the 10 CFR 50.48(c) schedules for the Turkey Point Plant Unit 3 have expired, we cannot now grant any further exemptions extending the schedules. Your schedule for completion of all needed modifications, as well as your proposed interim compensatory measures, should be addressed to Region II.

Sincerely,

Daniel G. McDonald, Project Manager
PWR Project Directorate #2
Division of PWR Licensing-A
Office of Nuclear Reactor Regulation

Enclosure:
As stated

cc w/enclosure:
See next page

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Consensus
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Mr. C. O. Woody
Florida Power and Light Company

Turkey Point Plant

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UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of

Docket No. 50-251

FLORIDA POWER AND LIGHT
COMPANY

(Turkey Point Plant,
Unit No. 4)

EXEMPTION

I.

Florida Power and Light Company (the licensee) is the holder of Facility Operating License No. DPR-41 which authorizes the operation of the Turkey Point Plant, Unit No. 4 (the facility) at steady-state power level not in excess of 2200 megawatts thermal. The facility is a pressurized water reactor (PWR) located at the licensee's site in Dade County, Florida.

II.

On November 19, 1980, the Commission published a revised Section 10 CFR 50.48 and a new Appendix R to 10 CFR Part 50 regarding fire protection features of nuclear power plants (45 FR 76602). The revised Section 50.48 and Appendix R became effective on February 17, 1981. Section 50.48(c) established the schedules for satisfying the provisions of Appendix R.

The licensee received the alternate shutdown safety evaluation in April 1984. The first refueling commencing 180 days after the approval was the cycle 10 refueling outage.

By letters dated October 11, 1985 and April 4, 1986, the licensee requested schedular extensions for the completion of the following fire protection items for Unit 4 and common areas.

1. Cable reroute
2. Penetration seals
3. Raceway (conduit protection) by fire rate barriers
4. Alternate Shutdown System including common procedures and areas (control room, cable spreading room and the Auxiliary Building northsouth breezeway)

III.

Reasonable interim compensatory measures for fire protection and post-fire safe shutdown capability must be provided in order to grant schedular exemptions from the implementation schedules defined in 10 CFR 50.48.

The licensee will implement compensatory measures prior to startup from the current refueling outage as detailed in the schedular exemption requests dated October 11, 1985 and April 4, 1986, which include roving fire watches until completion of the fire protection work identified in the exemption. The roving watch enters each area where compensatory measures are required every 20 minutes.

All procedures and training required for the fire watches for each area identified in the exemption have been completed. The fire watches will identify any indication of fire, smoke or burning odor and will immediately notify the control room; in addition, the watches have been trained in the use of portable fire extinguishers.

If a fire should occur within any fire area monitored by the roving fire watch patrols, there is reasonable assurance that the fire will be detected in its incipient stage before significant flame propagation or temperature rise occurs. Upon discovery of a fire, the control room will be immediately notified and a fire brigade response initiated. The fire patrols and watches will be capable of controlling or suppressing the fire to minimize damage pending arrival of the fire brigade.

The projected status for completion of Appendix R fire protection work for Unit 4 and common areas as of April 1, 1986 is as follows:

1. Cable rerouting: June 1986
2. Penetration seals: June 1986
3. Raceway (conduit protection): September 1986
4. Alternate shutdown (including common procedures and areas): prior to startup for Cycle 12

All other Appendix R related items will be completed for Unit 4 prior to the startup from the current refueling outage.

The above schedule represents a best effort under the circumstances by the utility. Since 1980, the utility has spent over 50 million dollars in Appendix R modifications and has proceeded expeditiously to resolve technical open items and in completing modifications. The licensee is currently 95 percent complete with Appendix R modifications. The licensee has been delayed in completing all modifications because of the lack of available, approved 3-hour fire rated barrier material and the lack of available qualified equipment for the alternate shutdown panel. Each of these delays was beyond the control of the licensee.

IV.

Based on the considerations and current status of the fire protection related work discussed above, the staff has concluded that the licensee has provided a sound rationale for the need of schedular relief; a best effort is being expended to complete the Appendix R related work; the utility has proceeded expeditiously to meet the Commission's requirement; delays were caused by circumstances beyond the utilities control; and reasonable and acceptable interim measures for fire protection and alternate shutdown capability to support the requested schedular exemption have been provided. Therefore, based on our evaluation, the staff has concluded that the requested schedular exemption from the requirements of 10 CFR 50.48, Section (c)(4) should be granted.

Accordingly, the Commission has determined that, pursuant to 10 CFR 50.12, the schedular exemption requested by the licensee's letters of October 11, 1985 and April 4, 1986, is authorized by law, will not present an undue risk to the public health and safety, and is consistent with the common defense and security. The Commission further determines that special circumstances, as provided in 10 CFR 50.12(a)(2)(v), are present justifying the exemption, namely that the exemption provides only temporary relief from the schedular requirements of 10 CFR 50.48(c) and the licensee has made good faith efforts to comply with the schedules in 10 CFR 50.48(c).

The Commission hereby grants the licensee exemption from the schedular requirements of 10 CFR 50.48 Section (c)(4) for the following items and duration:

1. Cable rerouting: June 1986
2. Penetration seals: June 1986

- 3. Raceway (conduit protection): September 1986
- 4. Alternate shutdown (including common procedures and areas): prior to startup for Cycle 12

Pursuant to 10 CFR 51.32, the Commission has determined that the issuance of the exemption will have no significant impact on the environment (51 FR 20906), dated June 9, 1986.

For further details with respect to this action, see the requests for exemption dated October 11, 1985 and April 4, 1986, which are available for public inspection at the Commission's Public Document Room, 1717 H Street, NW, Washington, D.C., and at the Environmental and Urban Affairs Library, Florida International University, Miami, Florida 33199.

This Exemption is effective upon issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

Original Signed By
H. R. Denton

Harold R. Denton, Director
Office of Nuclear Reactor Regulation

Dated at Bethesda, Maryland
this 9th day of June, 1986

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