

August 6, 1987

Docket Nos. 50-250
and 50-251

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

Dear Mr. Woody:

SUBJECT: ENVIRONMENTAL ASSESSMENT OF TECHNICAL EXEMPTION REQUEST RELATING TO
10 CFR 50 APPENDIX R REQUIREMENTS FOR TURKEY POINT UNITS 3 AND 4

Reference: TAC Numbers 61428 and 61429

Enclosed is a copy of a "Notice of Environmental Assessment and Finding of No Significant Impact" for your information. This notice relates to your request dated April 25, 1986, as supplemented on February 11, 1987.

The request is for exemptions from the provisions of Section III G.2 of Appendix R to 10 CFR 50 which require separation of cables, equipment and associated non-safety circuits of redundant trains. The exemptions relate to four specific areas.

The notice has been forwarded to the Office of Federal Register for publication.

Sincerely,

ORIGINAL SIGNED BY:
E. Tourigny/for

Daniel McDonald, Project Manager
Project Directorate II-2
Division of Reactor Projects-I/II

Enclosure:
As stated

cc w/enclosure:
See next page

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

Turkey Point Plant

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UNITED STATES NUCLEAR REGULATORY COMMISSIONFLORIDA POWER AND LIGHT COMPANYDOCKET NOS. 50-250 AND 50-251NOTICE OF ENVIRONMENTAL ASSESSMENT ANDFINDING OF NO SIGNIFICANT IMPACT

The U.S. Nuclear Regulatory Commission (the Commission) is considering issuance of exemptions from the requirements of Appendix R to 10 CFR Part 50 to Florida Power and Light Company (the licensee), for the Turkey Point Plant, Units No. 3 and 4, located in Dade County, Florida.

ENVIRONMENTAL ASSESSMENTIdentification of Proposed Action:

The proposed exemptions would permit alternatives to the technical requirements of Appendix R concerning certain specifically identified fire areas in the Turkey Point Plant, Units 3 and 4. These proposed exemptions are responsive to the licensee's request dated April 25, 1986, as supplemented on February 11, 1987.

The Need for the Proposed Action:

The proposed exemptions are needed because the plant-specific features described in the licensee's request regarding the existing fire protection at the plant for these specific areas are the most practical means for meeting the intent of Appendix R and literal compliance would not significantly enhance the fire protection capability and would result in high radiation exposure to workers.

Environmental Impacts of the Proposed Action:

The proposed exemptions, based on the existing physical plant design and fire protection features, will provide a degree of fire protection that is equivalent to that required by Appendix R for the affected areas of the plant such that there is no increase in the risk of fires at this facility. Consequently, the probability of fires has not been increased and the post-fire radiological releases will not be greater than previously determined, nor do the proposed exemptions otherwise affect radiological plant effluents. Therefore, the Commission concludes that there are no significant radiological environmental impacts associated with these proposed exemptions.

With regard to potential non-radiological impacts, the proposed exemptions involve features located entirely within the restricted area as defined in 10 CFR Part 20. They do not affect non-radiological plant effluents and have no other environmental impact. Therefore, the Commission concludes that there are no significant non-radiological environmental impacts associated with the proposed exemptions.

Alternatives to the Proposed Action:

Since the Commission has concluded there is no measurable environmental impact associated with the proposed exemptions, any alternatives with equal or greater environmental impact need not be evaluated. The principal alternative to the exemptions would be to require rigid compliance with the applicable portions of Section III.G.2 of the Appendix R requirements. Such action would not enhance the protection of the environment, would result in high radiation exposure to workers, as well as unjustified costs for the licensee.

Alternative Use of Resources:

This action involves no use of resources not previously considered in the Final Environmental Statement (operating licenses) for the Turkey Point Plant, Unit Nos. 3 and 4, dated July 1972.

Agencies and Persons Consulted:

The NRC staff reviewed the licensee's request and did not consult with any other agencies or persons.

FINDING OF NO SIGNIFICANT IMPACT

Based upon the foregoing environmental assessment, we conclude that the proposed action will not have a significant effect on the quality of the human environment. The Commission has, therefore, determined not to prepare an environmental impact statement for the proposed exemptions.

For further details with respect to this action, see the application for exemption dated April 25, 1986, as supplemented on February 11, 1987, which are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W. Washington, D.C., and at the Environmental and Urban Affairs Library, Florida International University, Miami, Florida 33199.

Dated at Bethesda, Maryland this 6th day of August, 1987.

FOR THE NUCLEAR REGULATORY COMMISSION



Lester S. Rubenstein, Director
Project Directorate II-2
Division of Reactor Projects-I/II