

January 4, 1984

Docket Nos. 50-250
and 50-251

Dr. Robert E. Uhrig, Vice President
Advanced Systems and Technology
Florida Power and Light Company
Post Office Box 14000
Juno Beach, Florida 33408

Dear Dr. Uhrig:

The Commission has issued the enclosed Amendment No.100 to Facility Operating License No. DPR-31 and Amendment No. 94 to Facility Operating License No. DPR-41 for the Turkey Point Plant Unit Nos. 3 and 4, respectively. The amendments consist of changes to the Technical Specifications in response to your application transmitted by letter dated May 5, 1983.

These amendments delete the non-radiological Environmental Technical Specifications in Appendix B which address terrestrial, biological and physical monitoring programs.

A copy of the Safety Evaluation and Environmental Impact Appraisal is also enclosed. A Notice of Issuance will be included in the Commission's next regular Federal Register notice which constitutes a negative declaration.

Sincerely,

ORIGINAL SIGNED BY

Daniel G. McDonald, Jr., Project Manager
Operating Reactors Branch No. 1
Division of Licensing

Enclosures:

1. Amendment No.100 to DPR-31
2. Amendment No. 94 to DPR-41
3. Safety Evaluation and Environmental Impact Appraisal

cc w/enclosures:
See next page

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cc w/enclosures:
See next page

CP 11/10/83

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

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Sincerely,

A handwritten signature in cursive script, appearing to read "Daniel G. McDonald, Jr.".

Daniel G. McDonald, Jr., Project Manager
Operating Reactors Branch No. 1
Division of Licensing

Enclosures:

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2. Amendment No. 94 to DPR-41
3. Safety Evaluation and
Environmental Impact Appraisal

cc w/enclosures:
See next page

J. W. Williams, Jr.
Florida Power and Light Company

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Units 3 and 4

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FLORIDA POWER AND LIGHT COMPANY

DOCKET NO. 50-250

TURKEY POINT PLANT UNIT NO. 3

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 100
License No. DPR-31

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Florida Power and Light Company (the licensee) dated May 5, 1983, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

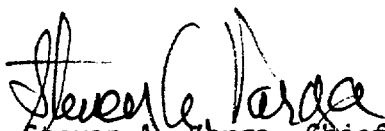
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 3.B of Facility Operating License No. DPR-31 is hereby amended to read as follows:

(B) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 100, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Steven A. Varga, Chief
Operating Reactors Branch #1
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: January 4, 1984



FLORIDA POWER AND LIGHT COMPANY

DOCKET NO. 50-251

TURKEY POINT PLANT UNIT NO. 4

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 94
License No. DPR-41

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Florida Power and Light Company (the licensee) dated May 5, 1983, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

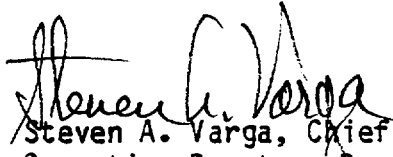
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 3.B of Facility Operating License No. DPR-41 is hereby amended to read as follows:

(B) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 94, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION


Steven A. Varga, Chief
Operating Reactors Branch #1
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: January 4, 1984

ATTACHMENT TO LICENSE AMENDMENTS

AMENDMENT NO. 100 TO FACILITY OPERATING LICENSE NO. DPR-31

AMENDMENT NO. 94 TO FACILITY OPERATING LICENSE NO. DPR-41

DOCKET NOS. 50-250 AND 50-251

Revise Appendix B as follows:

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4.1.1.1

4.1.1.2 Groundwater Program

Objective

The purpose of this program is to evaluate the extent of salt water intrusion between the cooling canal system and the groundwater west of the canal system.

Specification

This program shall involve monitoring of wells and surface points for temperature, water level and conductivity (salinity). The South Florida Water Management District (SFWMD) and the U.S.G.S. shall determine the adequacy of the schedule and the continued need for this monitoring program.

Reporting Requirements

Summaries of the reports prepared above shall be submitted as part of the Annual Environmental Monitoring Report (Section 5.4.1).

Bases

The long-term effects of operating a salt water cooling system on the adjacent groundwater is useful. Monitoring the extent of salt water intrusion will provide data on this interaction.

4.2

4.2.1

4.2.1.1

4.2.1.2

4.2.1.3

4.2.2

4.2.2.1

4.2.2.2

4.2.2.3

Amendment No.100 and 94

4.2.4





UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON D. C. 20555

SAFETY EVALUATION AND ENVIRONMENTAL IMPACT APPRAISAL

BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NOS. 100 AND 94 TO

FACILITY OPERATING LICENSE NOS. DPR-31 AND DPR-41

TURKEY POINT PLANT UNIT NOS. 3 AND 4

DOCKET NOS. 50-250 AND 50-251

I. Description of Proposed Action

By letter dated May 5, 1983 Florida Power and Light Company filed a request with the Nuclear Regulatory Commission (the Commission) to amend their operating license by deleting Environmental Technical Specification 4.2, Terrestrial Environmental Monitoring.

Specification 4.2.1.1 required that the soils of the cooling canal banks be analyzed for pH, chloride content and selected nutrients; that test be made to determine erosion rates in both the wet and dry seasons; and that studies be conducted to identify the number and species of fauna associated with these banks and compared to baseline data. The survey shall include faunal species that are permanent as well as those that are transient. Specification 4.2.1.2 required that an experimental program be conducted to compare the revegetation of the canal berms using native and/or commercially useful species versus allowing natural revegetation to occur. This experimental program has been previously completed and deleted.

Specification 4.2.2 required that annual color infrared aerial photographs at a scale of 1:24,000 be taken in conjunction with ground truthing as an additional monitoring requirement of specification 4.2.1 but especially to study the reinvasion of the berms by native flora, such as red mangrove as well as to determine the impact of the canal system on the flora and soil on the areas west and south of the canal system.

II. Safety Evaluation

The amendments delete the non-radiological monitoring programs related to terrestrial, biological and physical monitoring. The amendments will not change any current safety limitations related to the operation of the plants. The safety limits are necessary to reasonably protect the integrity of certain physical barriers which guard against the uncontrolled release of radioactivity. In addition, the amendments do not request modification of design features relating to materials of construction or geometric arrangements which could have an effect on safety. Moreover, radiological monitoring programs are not affected by these amendments.

III. Environmental Impact of the Proposed Action

In determining the impact of removing the license requirement, the original basis for its inclusion should be recognized. As stated in the FES-OL (1972), there was a limited amount of information regarding the environmental impacts from construction and operation of the proposed cooling channel system. Therefore, detailed evaluations of the environmental impacts were required to be conducted during initial years of station operation. In evaluating the license amendment request, annual reports for 1973, 1979, 1981, and 1982 were reexamined.

Specification 4.2.1 - The results of eight years of soil sampling show that phosphorus occurred in consistently low quantities in relation to the needs of most plants. The results of the analysis of the other soil characteristics were highly variable, which is not unusual. Studies on erosion rate of the cooling canal berms show that very little erosion is occurring, e.g., 0.023 ft/yr in 1982. Plant and animal species will continue to invade the canal berms as a result of natural succession. The invading organisms are those species adapted to the drier conditions of the berms in contrast to the organisms adapted to the wet habitat which occupied the site prior to construction of the canal system.

Specification 4.4.2 - Colorinfrared aerial photographs were taken yearly for eight years. Examination of photographs for 1973, 1979, and 1981 showed only limited vegetational changes. The results of on-the-ground sampling provided no evidence of mangrove reinvading the shoreline margin of the spoil berm. For areas west and south of the canal system, analysis of both on-the-ground sampling and aerial photograph interpretation show no significant changes in vegetation from pre-construction conditions.

IV. Conclusion and Basis for Negative Declaration

The eight years of studies by the licensee fill the information void of concern at the time of the CP. On the basis of the foregoing analysis the staff concludes that there will be no detrimental environmental impact resulting from the proposed action. Having reached this conclusion, the Commission has further concluded that no environmental impact statement for the proposed action need be prepared, and that a negative declaration to this effect is appropriate.

V. Safety Conclusion

We have concluded that the amendments would not change any current limitations or restrictions relating to plant operation, therefore: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations and the issuance of the amendments will not be inimical to the common defense and security or to the health and safety of the public.

Date of Issuance: January 4, 1984

Principal Contributor:
G. LaRoche