

February 2, 1987

Docket Nos. 50-250  
and 50-251

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

The Commission has issued the enclosed Amendment No.121 to Facility Operating License No. DPR-31 and Amendment No.115 to Facility Operating License No. DPR-41 for the Turkey Point Plant, Units Nos. 3 and 4, respectively. The amendments consist of changes to the Technical Specifications in response to your application transmitted by letter dated August 25, 1986, as supplemented November 14, 1986.

These amendments modify the technical specifications Limiting Conditions of Operation (LCO) for a one-time additional 45 day LCO in conjunction with the current 3½ day LCO to permit implementation of modifications required to satisfy NUREG-0737, Item III.D.3.4, Control Room Habitability.

A copy of the related Safety Evaluation is enclosed. A Notice of Issuance will be included in the Commission's next regular bi-weekly Federal Register notice.

Sincerely,

/s/

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

Enclosures:

1. Amendment No.121 to DPR-31
2. Amendment No.115 to DPR-41
3. Safety Evaluation

cc: w/enclosures  
See next page

LA: PAD#2  
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PM: PAD#2  
DMcDonald:hc  
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*new legal objection*  
GC  
A. H. H. H. H.  
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*[Signature]*  
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Mr. C. O. Woody  
Florida Power and Light Company

Turkey Point Plant

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

FLORIDA POWER AND LIGHT COMPANY

DOCKET NO. 50-250

TURKEY POINT PLANT UNIT NO. 3

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 121  
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 August 25, 1986, as supplemented November 14, 1986, 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:

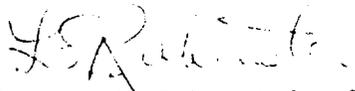
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(B) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No.121, 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 issuance and shall be implemented within 60 days.

FOR THE NUCLEAR REGULATORY COMMISSION



Lester S. Rubenstein, Director  
PWR Project Directorate #2  
Division of PWR Licensing-A  
Office of Nuclear Reactor Regulation

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: February 2, 1987



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

FLORIDA POWER AND LIGHT COMPANY

DOCKET NO. 50-251

TURKEY POINT PLANT UNIT NO. 4

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 115  
License No. DPR-41

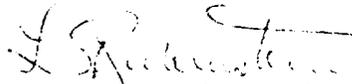
1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Florida Power and Light Company (the licensee) dated August 25, 1986, as supplemented November 14, 1986, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (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. 115, 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 issuance and shall be implemented within 60 days.

FOR THE NUCLEAR REGULATORY COMMISSION



Lester S. Rubenstein, Director  
PWR Project Directorate #2  
Division of PWR Licensing-A  
Office of Nuclear Reactor Regulation

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: February 2, 1987

ATTACHMENT TO LICENSE AMENDMENT

AMENDMENT NO. 121 FACILITY OPERATING LICENSE NO. DPR-31

AMENDMENT NO. 115 FACILITY OPERATING LICENSE NO. DPR-41

DOCKET NOS. 50-250 AND 50-251

Revise Appendix A as follows:

<u>Remove Pages</u>	<u>Insert Pages</u>
3.4-6	3.4-6
---	3.4-7

## 6. POST ACCIDENT CONTAINMENT VENT SYSTEM

- a. The reactor shall not be made critical, except for low power physics tests unless:
  1. The post accident containment vent system is operable.
  2. All valves, interlocks, and piping associated with the above components and required for post-accident operation are operable.
- b. During power operation:
  1. The unit may be inoperable for a period of 7 days.
  2. Any valve in the system may be inoperable provided repairs are completed within 7 days. Prior to initiating maintenance, all valves that provide the duplicate function shall be tested to demonstrate operability.
  3. If after 7 days the unit is still inoperable, Specification 3.0.1 applies to 3.4.6.b.

## 7. CONTROL ROOM VENTILATION

- a. The reactor shall not be made critical, except for low power physics tests unless:
  1. The control room ventilation system is operable.
  2. All valves, interlocks, and piping associated with the above components and required for post accident operation are operable.

**Note:** Reactor can be made critical with the system inoperable for up to 45 days to allow for implementation of modifications necessary to satisfy licensing commitments associated with NUREG-0737, Item III.D.3.4, Control Room Habitability, is acceptable provided that a temporary control room filtration system is operable. With the temporary filtration system inoperable, the reactor shall not be made critical.

- b. During power operation:
  1. The unit may be inoperable for period of 3 1/2 days.
  2. Any valve in the system may be inoperable provided repairs are completed within 3 1/2 days. Prior to initiating maintenance, all valves that provide the duplicate function shall be tested to demonstrate operability.

3. If after 3 1/2 days the unit is still inoperable, Specification 3.0.1 applies to 3.4.7.b.

**Note:** Inoperability of the system for up to 45 days to allow for implementation of modifications necessary to satisfy licensing commitments associated with NUREG-0737, Item ILLD.3.4, Control Room Habitability, is acceptable provided that a temporary control room filtration system is operable. With the temporary filtration system inoperable, current Technical Specification limits shall apply.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 121 TO FACILITY OPERATING LICENSE NO. DPR-31  
AND AMENDMENT NO. 115 TO FACILITY OPERATING LICENSE NO. DPR-41

FLORIDA POWER AND LIGHT COMPANY

TURKEY POINT UNIT NOS. 3 AND 4

DOCKET NOS. 50-250 AND 50-251

I. INTRODUCTION

By letter dated August 25, 1986, as supplemented November 14, 1986, Florida Power and Light Company (the licensee) requested a change to Turkey Point Units 3 & 4 technical specification 3.4.7, control room ventilation system. The licensee requested that the control room ventilation system incorporate a one-time limiting condition for operation (LCO) to allow the control room ventilation to be inoperable during a 45 day period of power operation to permit the implementation of modifications to satisfy NUREG-0737, NRC Task Action Plan Item III.D.3.4 commitments. With the 45 day LCO a dual unit outage would be avoided.

II. BACKGROUND

The control room ventilation system is utilized to maintain the temperature in the control room envelope such that equipment and instrumentation in the envelope does not operate in an environment above its qualification temperature. In addition, the control room ventilation system also maintains the control room habitable for reactor operators during and following accident conditions. With the control room ventilation system inoperable, a temporary filtration system consisting of a HEPA filter and a charcoal absorber will be installed along with a heater, a supply fan, and interconnecting ductwork. This system will have a flowrate of 800 cfm and filter and absorber efficiencies of 99, 95 and 95% for particulate, organic, and elemental forms of radioiodine and will operate continuously during the period that the modifications are being made. System components such as the filter unit supply fan and the control room air intake damper D-1, will be powered from existing safety grade plant buses, thereby ensuring system operability in the event of loss of offsite power. Should the temporary filter unit become inoperable a second duplicate unit and associated supply fan is available onsite and ready for installation.

An electrical heater will be at the fresh air intake to the temporary filter unit. The heater will be designed for automatic operation with a relative humidity sensing device and a control circuit set to energize the heater when air relative humidity exceeds 70%. During normal operation, the heater will be powered from an existing non-vital plant bus. In the event of the loss of offsite power a dedicated non-safety grade portable diesel generator would be available as a backup source of power. The diesel generator would start automatically on low voltage to the bus feeding the heater and is capable of operating for 40 hours without refueling.

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The existing technical specification action statement for inoperability of the control room ventilation system will apply to the temporary ventilation system should it become inoperable. The licensee has indicated that functional testing of the system will be performed after 30 days of system operation and testing requirements will be consistent with the existing technical specification.

### III. STAFF EVALUATION

The staff has reviewed the licensee's proposed amendment to technical specification 3.4.7. The staff has calculated the dose to control room operators based upon operation with the temporary filter system. The staff estimated the thyroid doses to be approximately 35 rem from containment leakage based upon present NRC accident analysis methodology. The staff considers this acceptable for the 45 day period of operation. While the addition of heaters as proposed in the November 14, 1986, letter is a good addition to the system the manner in which the system operates, i.e., a humidstat, may not ensure that the charcoal is unaffected by high relative humidity. Diurnal fluctuations in temperature can cause the charcoal in filtration units to become supersaturated. Since incoming air may be below 70%, the heaters would never operate and the charcoal would never dry out. If the heaters were controlled such that they were always operating when the filter unit was operating, then this concern would be alleviated. The staff discussed this concern with the licensee and the licensee indicated that procedures would be in place which will require that the heaters be operated continuously for eight hours once per seven days.

### IV. FINDINGS

Based on the details discussed above, the staff has determined that the one-time additional 45 day LCO in conjunction with the current 3½ day LCO to implement the modifications required to satisfy NUREG-0737, Item III.D.3.4, Control Room Habitability, is acceptable.

### V. ENVIRONMENTAL CONSIDERATION

These amendments involve changes in the installation or use of the facilities components located within the restricted areas as defined in 10 CFR 20. The staff has determined that these amendments involve no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that these amendments involve no significant hazards consideration and there has been no public comment on such finding. Accordingly, these amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of these amendments.

VI. CONCLUSION

We have concluded, based on the considerations discussed above, that: (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 these amendments will not be inimical to the common defense and security or to the health and safety of the public.

Dated: February 2, 1987

Principal Contributors:

J. Hayes