



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. 79  
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 April 21, 1982, as supplemented April 22, 1982, 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.

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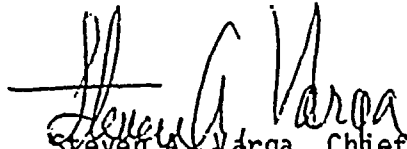
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 3.B of Facility Operating License No. DPR-41 is hereby amended to read as follows:

(B) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 79, 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: April 22, 1982

ATTACHMENT TO LICENSE AMENDMENTS

AMENDMENT NO. 86 TO FACILITY OPERATING LICENSE NO. DPR-31

AMENDMENT NO. 79 TO FACILITY OPERATING LICENSE NO. DPR-41

DOCKET NOS. 50-250 AND 50-251

Revise Appendix A as follows:

Remove Page

Figure 3.2-3

Insert Page

Figure 3.2-3



HOT CHANNEL FACTOR  
NORMALIZED OPERATING ENVELOPE..

(for  $\leq 28\%$  steam generator tube plugging and  $F_q = 2.125$ )

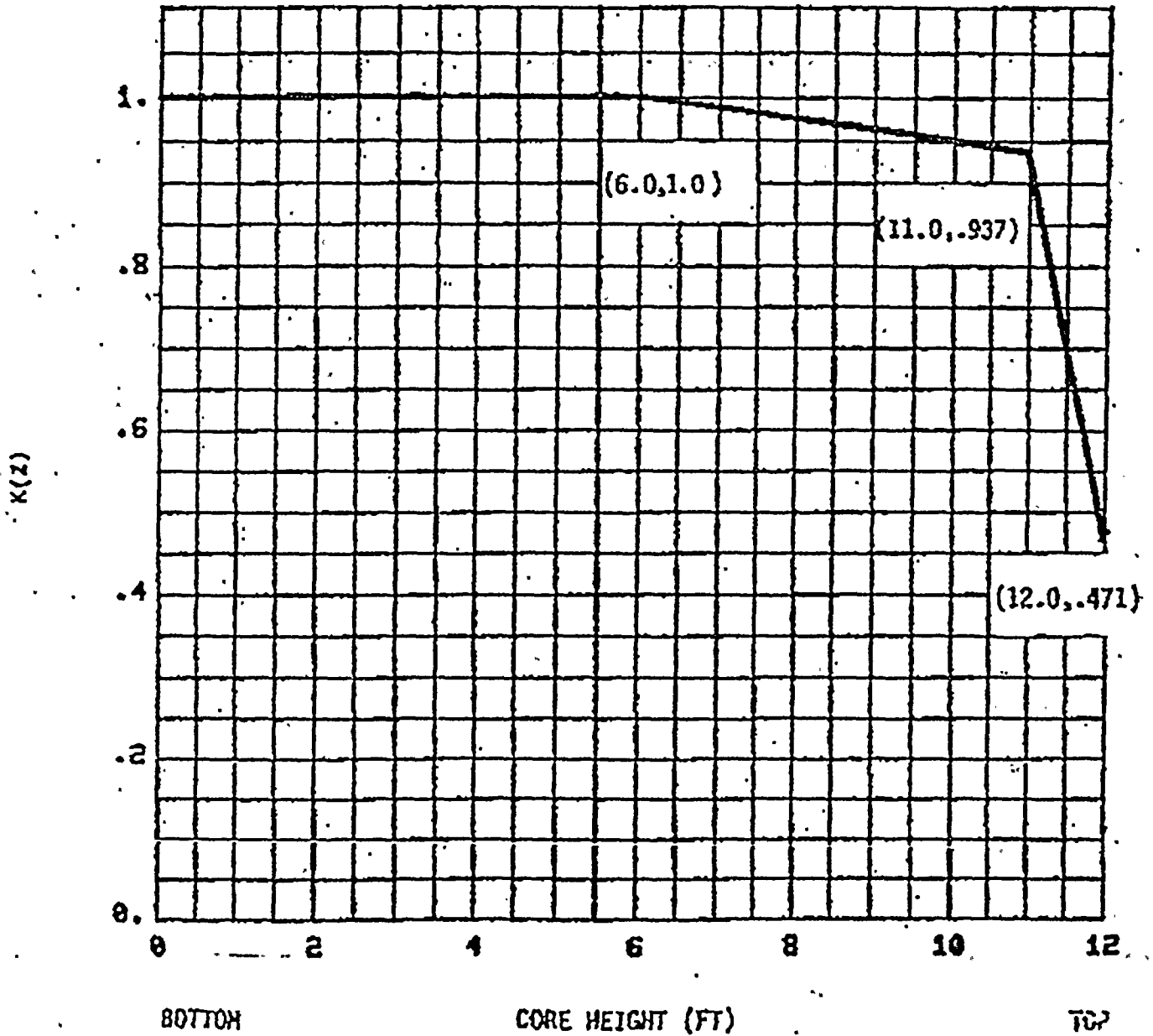


FIG. 3.2-3

4/21/82

Amendment Nos. 86 & 79



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 86 TO FACILITY OPERATING LICENSE NO. DPR-31  
AND AMENDMENT NO. 79 TO FACILITY OPERATING LICENSE NO. DPR-41  
FLORIDA POWER AND LIGHT COMPANY  
TURKEY POINT PLANT UNIT NOS. 3 AND 4  
DOCKET NOS. 50-250 AND 50-251

Introduction

By phone call dated April 21, 1982, confirmed by a letter of the same date, as supplemented April 22, 1982, Florida Power and Light Company (the licensee) requested expedited action to amend the Technical Specifications for the Turkey Point Plant Unit Nos. 3 and 4. The amendments would replace an erroneous Hot Channel Factor Curve.

Background

On June 23, 1981, Amendment Nos. 68 and 60 were issued for the Turkey Point Plant Unit Nos. 3 and 4. These amendments incorporated the results of a revised ECCS analysis for a steam generator plugging level of 28%. Among other things the Hot Channel Factor curve  $[K(z)]$  was changed to request operation with 28% of the steam generator tubes plugged.

After Unit 3 began operation with the new steam generators it operated under the current  $K(z)$  curve (i.e. for 28% steam generator tubes plugged) since the ECCS evaluation for the new steam generators had not been submitted to the NRC for review and approval. Upon completing the necessary surveillance measures it was determined that the  $K(z)$  curve was in error.

Evaluation

We have reviewed the applications and had a conference call with the licensee and the Westinghouse Corporation staff. A supplemental application dated April 22, 1982 was submitted.



Based on investigation by Westinghouse and the licensee of Figure 3.2-3 of the Turkey Point 3 and 4 Technical Specifications, it has been determined that the currently docketed figure is incorrect. Based on Westinghouse investigations it appears that the intercept of the second and third line segments in the region of 11 feet in core height has been incorrectly calculated for an FQ(Z) of 2.125. The current intercept coordinates of 11.2 feet, 0.849 reflect an incorrect calculation based on the use of FQ value of 2.125. Westinghouse has determined that the correct coordinates for the intercept should be 11.0 feet, 0.937. The licensee proposes that Figure 3.2-3 be modified to reflect the following break points:

0 feet	1.0
6.0 feet	1.0
11.0 feet	0.937
12.0 feet	0.471

Based on the conference call and the supplemental application the staff finds that error was properly corrected and the new K(z) curve is acceptable. Previous operations under the old K(z) curve which was in error did not violate any Technical Specifications because the incorrect K(z) curve was conservative relative to the corrected curve.

#### Environmental Consideration

We have determined that the amendments do not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendments involve an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of these amendments.

#### Conclusion

We have concluded, based on the considerations discussed above, that: (1) because the amendments do not involve a significant increase in the probability or consequences of accidents previously considered and do not involve a significant decrease in a safety margin, the amendments do not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) 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.

Date: April 22, 1982

Principal Contributors:

M. Grotenhuis

D. Fieno

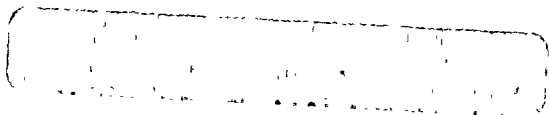
UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NOS. 50-250 AND 50-251FLORIDA POWER AND LIGHT COMPANYNOTICE OF ISSUANCE OF AMENDMENT TO FACILITY  
OPERATING LICENSES

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 86 to Facility Operating License No. DPR-31, and Amendment No. 79 to Facility Operating License No. DPR-41 issued to Florida Power and Light Company (the licensee), which revised Technical Specifications for operation of Turkey Point Plant, Unit Nos. 3 and 4 (the facilities) located in Dade County, Florida. The amendments are effective as of the date of issuance.

The amendments correct the Hot Channel Factor Normalization Operating Envelope.

The application for the amendments complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CRR Chapter I, which are set forth in the license amendments. Prior public notice of these amendments was not required since the amendments do not involve a significant hazards consideration.

The Commission has determined that the issuance of these amendments will not result in any significant environmental impact and that pursuant to 10 CFR §51.5(d)(4) an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of these amendments.





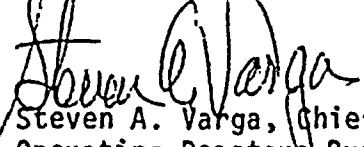
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For further details with respect to this action, see (1) the application for amendments dated April 21, 1982, as supplemented April 22, 1982, (2) Amendment Nos. 86 and 79 to License Nos. DPR-31 and DPR-41, and (3) the Commission's related Safety Evaluation. All of these items 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. A copy of items (2) and (3) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland, this 22nd day of April, 1982.

FOR THE NUCLEAR REGULATORY COMMISSION

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

