JUL 26 1974

Docket Nos. 50-250 and 50-251

Florida Power and Light Company
ATTN: Dr. Robert E. Uhrig
Director of Nuclear Affairs
Post Office Box 13100
Miami, Florida 33101

Gentlemen:

The Commission has issued the enclosed Amendment No. 4 to Facility License No. DPR-31 and Amendment No. 3 to Facility License No. DPR-41 for Turkey Point Units 3 and 4. These amendments include Change No. 16 to the Technical Specifications, Appendix A, and are in response to your request dated April 5, 1974, and subsequent letter dated May 20, 1974, and staff discussions.

These amendments allow the fuel residence time for Cycle 1 to be increased from 10,000 effective full power hours (EFPH) to 11,600 EFPH for Unit 3 and 24,500 EFPH for Unit 4 under low pressure operating conditions.

The Safety Evaluation and the Federal Register Notice relating to this action are enclosed.

Sincerely,

Original Signed

Karl R. Goller, Assistant Director
for Operating Reactors
Directorate of Licensing

Enclosures:
1. Amendment No. 4 to License No. DPR-31
2. Amendment No. 3 to License No. DPR-41
3. Federal Register Notice
4. Safety Evaluation

cc: See next page

C/P/N

OFFICE						
SURNAME						
DATE						

JUL 26 1974

cc: Mr. Jack Newman
Newman, Reis & Axelrad
1100 Connecticut Avenue, NW.
Washington, D.C. 20036

Lily Lawrence Row Public Library
212 NW. First Avenue
Homestead, Florida 33030

DISTRIBUTION:
Docket File
AEC PDR
Local PDR
ORB Reading
Attorney, OGC
RO (3)
NDube
BJones (4)
JSaltaman
SATeets
DElliott
SKari
WOMiller
BScharf (15)
ACRS (16)
TJCarter
JRBuchanan
TBAbernathy
RSchemel
PCollins
SVarga

OFFICE ➤	L:ORB #1	L:ORB #3	OGC	L:OR	L:ORB
SURNAME ➤	DElliott:lb	GELear	LSCHANDLER	KRGoller	LRubenstein
DATE ➤	6/28/74	7/5/74	7/22/74	7/24/74	7/2/74

JUL 26 1974

FLORIDA POWER AND LIGHT COMPANY

DOCKET NO. 50-250

TURKEY POINT PLANT UNIT 3

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 4
License No. DPR-31

1. The Atomic Energy Commission (the Commission) having found that:

   A. The application for amendment by Florida Power and Light Company (the licensee) dated May 17, 1974, 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 license, 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. Prior public notice of this amendment is not required since the amendment does not involve a significant hazards consideration.

2. Accordingly, paragraph 3.B. of Facility License No. DPR-31 is hereby amended to read as follows:

   "B. Technical Specifications

   The Technical Specifications contained in Appendices A and B, attached to Facility Operating License No. DPR-31 are revised as indicated in the attachment to this license

OFFICE ➤						
SURNAME ➤						
DATE ➤						

amendment. The Technical Specifications, as revised, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications, as revised."

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

FOR THE ATOMIC ENERGY COMMISSION

Original Signed

Karl R. Goller, Assistant Director
for Operating Reactors
Directorate of Licensing

Attachment:
Change No. 16 to Appendix A
Technical Specifications

Date of Issuance:

OFFICE ➤						
SURNAME ➤						
DATE ➤						

JUL 26 1974

FLORIDA POWER AND LIGHT COMPANY

DOCKET NO. 50-251

TURKEY POINT PLANT UNIT 4

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 3
License No. DPR-41

1. The Atomic Energy Commission (the Commission) having found that:

   A. The application for amendment by Florida Power and Light Company (the licensee) dated May 17, 1974, 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 license, 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. Prior public notice of this amendment is not required since the amendment does not involve a significant hazards consideration.

2. Accordingly, paragraph 3.B. of Facility License No. DPR-41 is hereby amended to read as follows:

   "B. Technical Specifications

   The Technical Specifications contained in Appendices A and B, attached to Facility Operating License No. DPR-41 are revised as indicated in the attachment to this license

OFFICE➤						
SURNAME➤						
DATE➤						

amendment. The Technical Specifications, as revised, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications, as revised."

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

FOR THE ATOMIC ENERGY COMMISSION

Original Signed

Karl R. Goller, Assistant Director
for Operating Reactors
Directorate of Licensing

Attachment:
Change No. 16 to Appendix A
Technical Specifications

Date of Issuance:

OFFICE ➤						
SURNAME ➤						
DATE ➤						

JUL 2 6 1974

ATTACHMENT TO LICENSE AMENDMENTS NO. 4 AND NO. 3

CHANGE NO. 16 TO APPENDIX A OF THE TECHNICAL SPECIFICATIONS

FACILITY OPERATING LICENSES NO. DPR-31 AND NO. DPR-41

FLORIDA POWER AND LIGHT COMPANY

TURKEY POINT PLANT UNITS NO. 3 AND NO. 4

DOCKET NOS. 50-250 AND 50-251

Delete page 1-6 and replace with the attached revised page.

OFFICE➤						
SURNAME➤						
DATE➤						

1.15 INTERIM LIMITS

Limitations are imposed upon reactor core power and power distribution beyond previously established design bases consistent with interim bases for core cooling analysis established by the AEC in 1971 and bases for the effects of densification established in November 1972. Interim power of the reactor core is limited to the values determined in accordance with specification 3.2. Interim power in MWt equals N x 2200, where N is determined in accordance with Section 6.c. of specification 3.2. The fuel residence time for cycle 1 shall be limited to 11,600 effective full power hours (EFPH) for Unit 3 and 24,500 EFPH for Unit 4 under low pressure operating conditions.

1.16 LOW POWER PHYSICS TESTS

Low power physics tests are tests below a nominal 5% of rated power which measure fundamental characteristics of the reactor core and related instrumentation.

JUL 26 1974

UNITED STATES ATOMIC ENERGY COMMISSION

DOCKET NOS. 50-250 AND 50-251

FLORIDA POWER AND LIGHT COMPANY

NOTICE OF ISSUANCE OF AMENDMENTS TO FACILITY OPERATING LICENSES

Notice is hereby given that the U.S. Atomic Energy Commission (the Commission) has issued Amendments No. 4 and No. 3 respectively, to Facility Operating Licenses Nos. DPR-31 and DPR-41 issued to Florida Power and Light Company which revise the Technical Specifications for operation of the Turkey Point Plant Units 3 and 4, located in Dade County, Florida. The amendments are effective as of the date of issuance.

The change allows the fuel residence time for Cycle 1 to be increased from 10,000 effective full power hours (EFPH) to 11,600 EFPH for Unit 3 and 24,500 EFPH for Unit 4.

The application for the change complies with the standards and requirements of the Act and the Commission's rules and regulations and the Commission has made appropriate findings as required by the Atomic Energy Act of 1954, as amended, and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the amendments to the licenses.

For further details with respect to this action, see (1) the application for the change dated April 5, 1974, as supplemented May 20, 1974, (2) Amendment No. 4 to License No. DPR-31 and Amendment No. 3 to License No. DPR-41, with any attachments, 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, NW., Washington, D.C. and

OFFICE➤						
SURNAME➤						
DATE➤						

at the Lily Lawrence Row Public Library, 212 NW. First Avenue, Homestead, Florida 33030.

A copy of items (2) and (3) may be obtained upon request addressed to the United States Atomic Energy Commission, Washington, D.C. 20545, Attention: Deputy Director for Reactor Projects, Directorate of Licensing - Regulation.

Dated at Bethesda, Maryland, this

FOR THE ATOMIC ENERGY COMMISSION

Original Signed

Robert A. Purple, Chief
Operating Reactors Branch #1
Directorate of Licensing

OFFICE ➤						
SURNAME ➤						
DATE ➤						

UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

SAFETY EVALUATION BY THE DIRECTORATE OF LICENSING

SUPPORTING AMENDMENT NO. 4 TO LICENSE NO. DPR-31, AND

AMENDMENT NO. 3 TO LICENSE NO. DPR-41

(CHANGE NO. 16 TO APPENDIX A OF TECHNICAL SPECIFICATIONS)

FLORIDA POWER AND LIGHT COMPANY

TURKEY POINT PLANT UNITS 3 AND 4

DOCKET NOS. 50-250 AND 50-251

INTRODUCTION

By letter dated April 5, 1974, and supplement dated May 20, 1974, Florida Power and Light Company (FPL) proposed a change in the Technical Specifications of Facility Operating Licenses No. DPR-31 and DPR-41. The proposed change would allow the fuel residence time for Cycle 1 to be increased from 10,000 effective full power hours (EFPH) to 11,600 EFPH for Unit 3 and 24,500 EFPH for Unit 4. Other operating limits presented in the Technical Specifications would remain unchanged.

EVALUATION

Turkey Point Units 3 and 4 are presently operating at a reduced primary system pressure of 1900 psia and a Cycle 1 fuel residence limit of 10,000 EFPH. Reduced pressure operation was initiated during Cycle 1 in order to lengthen the predicted time to clad flattening by reducing the pressure differential across the fuel cladding and thus reducing the clad creep rate.

The Cycle 1 fuel residence limit of 10,000 EFPH is the analytically determined predicted minimum time to clad flattening for the fuel in Region 3 of Unit 3 assuming continuous reactor operation at the design pressure of 2250 psia and was reported in "Fuel Densification - Turkey Point Units 3 and 4 - Low Pressure Analysis," WCAP-8136, dated June 1973. The minimum time to clad flattening for fuel in other regions of Unit 3 and in all regions of Unit 4 will exceed the time for Region 3 of Unit 3 for comparable operating conditions because of higher initial fuel rod internal pressure in these other regions. Even though reactor operation at reduced pressure was initiated during Cycle 1 for both units, the allowable fuel residence time remained limited to 10,000 EFPH, the limiting value for continuous operation at design pressure. This fuel residence time limit was specified because it was not known when, during Cycle 1, reduced pressure operation would be initiated. FPL has subsequently informed the staff that Units 3 and 4 commenced low pressure operation after 4,903 EFPH and 2,181 EFPH, respectively.

FPL has updated the clad flattening analysis using the actual operating period at design pressure. FPL has reported the results of their analysis in their letter of April 5, 1974, and predicts a time to clad flattening for Cycle 1 fuel of 11,800 EFPH for Unit 3 and 24,500 EFPH for Unit 4 assuming continued low pressure operation. The prediction for Unit 4 is higher than for Unit 3 since reduced pressure operation was initiated much earlier in the cycle for Unit 4 and Unit 3 contains fuel rods with lower initial internal pressure.

The staff has independently estimated the minimum time to clad flattening to be 11,600 EFPH for Unit 3, Region 3 and 25,100 EFPH for Unit 4, Region 1. These are the regions containing the lowest pressurized fuel in each unit. FPL estimates, and the staff agrees, that the actual exposure for both units will be approximately 11,000 EFPH at the end of Cycle 1.

Thus, clad flattening is predicted not to occur during Cycle 1 (since exposure to the minimum time for flattening will not be experienced). Therefore, the results and conclusions of previous safety evaluations and previously approved operating limits, now in effect, remain unchanged by the increased fuel residence time.

CONCLUSION

The staff concludes that the fuel residence time for Cycle 1 can safely be extended to 11,600 EFPH for Unit 3 and 24,500 EFPH for Unit 4. These values are the lesser of the independently estimated values by FPL and the staff for each unit.

The staff concludes that: (1) the change does not involve a significant hazards consideration since it does not involve a substantial increase in the probability or consequences of accidents previously considered, and does not involve a substantial decrease in the margin of safety; and (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner.

Donald Elliott
Operating Reactors Branch #1
Directorate of Licensing

Robert A. Purple, Chief
Operating Reactors Branch #1
Directorate of Licensing

Date:

UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

Docket Nos. 50-250 and 50-251

JUL 26 1974

Florida Power and Light Company
ATTN: Dr. Robert E. Uhrig
Director of Nuclear Affairs
Post Office Box 13100
Miami, Florida 33101

Gentlemen:

The Commission has issued the enclosed Amendment No. 4 to Facility License No. DPR-31 and Amendment No. 3 to Facility License No. DPR-41 for Turkey Point Units 3 and 4. These amendments include Change No. 16 to the Technical Specifications, Appendix A, and are in response to your request dated April 5, 1974, and subsequent letter dated May 20, 1974, and staff discussions.

These amendments allow the fuel residence time for Cycle 1 to be increased from 10,000 effective full power hours (EFPH) to 11,600 EFPH for Unit 3 and 24,500 EFPH for Unit 4 under low pressure operating conditions.

The Safety Evaluation and the Federal Register Notice relating to this action are enclosed.

Sincerely,

Karl R. Goller

Karl R. Goller, Assistant Director
for Operating Reactors
Directorate of Licensing

Enclosures:
1. Amendment No. 4 to License No. DPR-31
2. Amendment No. 3 to License No. DPR-41
3. Federal Register Notice
4. Safety Evaluation

cc: See next page

cc: Mr. Jack Newman
Newman, Reis & Axelrad
1100 Connecticut Avenue, NW.
Washington, D.C. 20036

Lily Lawrence Row Public Library
212 NW. First Avenue
Homestead, Florida 33030

UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

JUL 26 1974

FLORIDA POWER AND LIGHT COMPANY

DOCKET NO. 50-250

TURKEY POINT PLANT UNIT 3

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 4
License No. DPR-31

1. The Atomic Energy Commission (the Commission) having found that:

   A. The application for amendment by Florida Power and Light Company (the licensee) dated May 17, 1974, 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 license, 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. Prior public notice of this amendment is not required since the amendment does not involve a significant hazards consideration.

2. Accordingly, paragraph 3.B. of Facility License No. DPR-31 is hereby amended to read as follows:

   "B. Technical Specifications

   The Technical Specifications contained in Appendices A and B, attached to Facility Operating License No. DPR-31 are revised as indicated in the attachment to this license

amendment. The Technical Specifications, as revised, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications, as revised."

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

FOR THE ATOMIC ENERGY COMMISSION

Karl R. Goller

Karl R. Goller, Assistant Director
for Operating Reactors
Directorate of Licensing

Attachment:
Change No. 16 to Appendix A
Technical Specifications

Date of Issuance:

UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

JUL 26 1974

FLORIDA POWER AND LIGHT COMPANY

DOCKET NO. 50-251

TURKEY POINT PLANT UNIT 4

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 3
License No. DPR-41

1. The Atomic Energy Commission (the Commission) having found that:

   A. The application for amendment by Florida Power and Light Company (the licensee) dated May 17, 1974, 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 license, 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. Prior public notice of this amendment is not required since the amendment does not involve a significant hazards consideration.

2. Accordingly, paragraph 3.B. of Facility License No. DPR-41 is hereby amended to read as follows:

   "B. Technical Specifications

   The Technical Specifications contained in Appendices A and B, attached to Facility Operating License No. DPR-41 are revised as indicated in the attachment to this license

amendment. The Technical Specifications, as revised, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications, as revised."

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

FOR THE ATOMIC ENERGY COMMISSION

Karl R. Goller

Karl R. Goller, Assistant Director
for Operating Reactors
Directorate of Licensing

Attachment:
Change No. 16 to Appendix A
Technical Specifications

Date of Issuance:

ATTACHMENT TO LICENSE AMENDMENTS NO. 4 AND NO. 3

CHANGE NO. 16 TO APPENDIX A OF THE TECHNICAL SPECIFICATIONS

FACILITY OPERATING LICENSES NO. DPR-31 AND NO. DPR-41

FLORIDA POWER AND LIGHT COMPANY

TURKEY POINT PLANT UNITS NO. 3 AND NO. 4

DOCKET NOS. 50-250 AND 50-251

Delete page 1-6 and replace with the attached revised page.

1.15 INTERIM LIMITS

Limitations are imposed upon reactor core power and power distribution beyond previously established design bases consistent with interim bases for core cooling analysis established by the AEC in 1971 and bases for the effects of densification established in November 1972. Interim power of the reactor core is limited to the values determined in accordance with specification 3.2. Interim power in MWt equals N x 2200, where N is determined in accordance with Section 6.c. of specification 3.2. The fuel residence time for cycle 1 shall be limited to 11,600 effective full power hours (EFPH) for Unit 3 and 24,500 EFPH for Unit 4 under low pressure operating conditions.

1.16 LOW POWER PHYSICS TESTS

Low power physics tests are tests below a nominal 5% of rated power which measure fundamental characteristics of the reactor core and related instrumentation.

UNITED STATES ATOMIC ENERGY COMMISSION

DOCKET NOS. 50-250 AND 50-251

FLORIDA POWER AND LIGHT COMPANY

NOTICE OF ISSUANCE OF AMENDMENTS TO FACILITY OPERATING LICENSES

Notice is hereby given that the U.S. Atomic Energy Commission (the Commission) has issued Amendments No. 4 and No. 3 respectively, to Facility Operating Licenses Nos. DPR-31 and DPR-41 issued to Florida Power and Light Company which revise the Technical Specifications for operation of the Turkey Point Plant Units 3 and 4, located in Dade County, Florida. The amendments are effective as of the date of issuance.

The change allows the fuel residence time for Cycle 1 to be increased from 10,000 effective full power hours (EFPH) to 11,600 EFPH for Unit 3 and 24,500 EFPH for Unit 4.

The application for the change complies with the standards and requirements of the Act and the Commission's rules and regulations and the Commission has made appropriate findings as required by the Atomic Energy Act of 1954, as amended, and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the amendments to the licenses.

For further details with respect to this action, see (1) the application for the change dated April 5, 1974, as supplemented May 20, 1974, (2) Amendment No. 4 to License No. DPR-31 and Amendment No. 3 to License No. DPR-41, with any attachments, 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, NW., Washington, D.C. and

at the Lily Lawrence Row Public Library, 212 NW. First Avenue, Homestead, Florida 33030.

A copy of items (2) and (3) may be obtained upon request addressed to the United States Atomic Energy Commission, Washington, D.C. 20545, Attention: Deputy Director for Reactor Projects, Directorate of Licensing - Regulation.

Dated at Bethesda, Maryland, this 26 day of July 1974.

FOR THE ATOMIC ENERGY COMMISSION

George E. Lear

George E. Lear, Chief
Operating Reactors Branch #3
Directorate of Licensing

UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

JUL 26 1974

SAFETY EVALUATION BY THE DIRECTORATE OF LICENSING

SUPPORTING AMENDMENT NO. 4 TO LICENSE NO. DPR-31, AND

AMENDMENT NO. 3 TO LICENSE NO. DPR-41

(CHANGE NO. 16 TO APPENDIX A OF TECHNICAL SPECIFICATIONS)

FLORIDA POWER AND LIGHT COMPANY

TURKEY POINT PLANT UNITS 3 AND 4

DOCKET NOS. 50-250 AND 50-251

INTRODUCTION

By letter dated April 5, 1974, and supplement dated May 20, 1974, Florida Power and Light Company (FPL) proposed a change in the Technical Specifications of Facility Operating Licenses No. DPR-31 and DPR-41. The proposed change would allow the fuel residence time for Cycle 1 to be increased from 10,000 effective full power hours (EFPH) to 11,600 EFPH for Unit 3 and 24,500 EFPH for Unit 4. Other operating limits presented in the Technical Specifications would remain unchanged.

EVALUATION

Turkey Point Units 3 and 4 are presently operating at a reduced primary system pressure of 1900 psia and a Cycle 1 fuel residence limit of 10,000 EFPH. Reduced pressure operation was initiated during Cycle 1 in order to lengthen the predicted time to clad flattening by reducing the pressure differential across the fuel cladding and thus reducing the clad creep rate.

The Cycle 1 fuel residence limit of 10,000 EFPH is the analytically determined predicted minimum time to clad flattening for the fuel in Region 3 of Unit 3 assuming continuous reactor operation at the design pressure of 2250 psia and was reported in "Fuel Densification - Turkey Point Units 3 and 4 - Low Pressure Analysis," WCAP-8136, dated June 1973. The minimum time to clad flattening for fuel in other regions of Unit 3 and in all regions of Unit 4 will exceed the time for Region 3 of Unit 3 for comparable operating conditions because of higher initial fuel rod internal pressure in these other regions. Even though reactor operation at reduced pressure was initiated during Cycle 1 for both units, the allowable fuel residence time remained limited to 10,000 EFPH, the limiting value for continuous operation at design pressure. This fuel residence time limit was specified because it was not known when, during Cycle 1, reduced pressure operation would be initiated. FPL has subsequently informed the staff that Units 3 and 4 commenced low pressure operation after 4,903 EFPH and 2,181 EFPH, respectively.

FPL has updated the clad flattening analysis using the actual operating period at design pressure. FPL has reported the results of their analysis in their letter of April 5, 1974, and predicts a time to clad flattening for Cycle 1 fuel of 11,800 EFPH for Unit 3 and 24,500 EFPH for Unit 4 assuming continued low pressure operation. The prediction for Unit 4 is higher than for Unit 3 since reduced pressure operation was initiated much earlier in the cycle for Unit 4 and Unit 3 contains fuel rods with lower initial internal pressure.

The staff has independently estimated the minimum time to clad flattening to be 11,600 EFPH for Unit 3, Region 3 and 25,100 EFPH for Unit 4, Region 1. These are the regions containing the lowest pressurized fuel in each unit. FPL estimates, and the staff agrees, that the actual exposure for both units will be approximately 11,000 EFPH at the end of Cycle 1.

Thus, clad flattening is predicted not to occur during Cycle 1 (since exposure to the minimum time for flattening will not be experienced). Therefore, the results and conclusions of previous safety evaluations and previously approved operating limits, now in effect, remain unchanged by the increased fuel residence time.

CONCLUSION

The staff concludes that the fuel residence time for Cycle 1 can safely be extended to 11,600 EFPH for Unit 3 and 24,500 EFPH for Unit 4. These values are the lesser of the independently estimated values by FPL and the staff for each unit.

The staff concludes that: (1) the change does not involve a significant hazards consideration since it does not involve a substantial increase in the probability or consequences of accidents previously considered, and does not involve a substantial decrease in the margin of safety; and (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner.

Donald Elliott

Donald Elliott
Operating Reactors Branch #1
Directorate of Licensing

George E. Lear

George E. Lear, Chief
Operating Reactors Branch #3
Directorate of Licensing

Date: