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ORB #3	BHarless
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GLear	RBallard
CParrish	TBAbernathy
RClark	JRBuchanan
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OI&E (5)	
BJones (8)	
BScharf (10)	
JMcGough	
JSaltzman	
ASteen	

OCT 7 1977

Dockets Nos. 50-250  
and 50-251

Florida Power & Light Company  
ATTN: Dr. Robert E. Uhrig  
Vice President  
P. O. Box 013100  
Miami, Florida 33101

Gentlemen:

The Commission has issued the enclosed Amendments Nos. 29 and 26 to Facility Operating Licenses Nos. DPR-31 and DPR-41 for the Turkey Point Plant, Units Nos. 3 and 4. This amendment is in response to your request dated February 23, 1977 (L-77-52), as supplemented by your letter of April 25, 1977 (L-77-123).

This amendment deletes the requirements in your Environmental Technical Specifications for monthly and quarterly monitoring of the E-series wells in the groundwater monitoring program. Based on their analysis of data collected from these wells since April 1972, EPA concluded that inclusion of these wells in the groundwater monitoring program was not necessary and on November 1, 1976 approved your request that monitoring of the E-series wells be discontinued with the condition that the E-series wells be maintained in an operational condition in case future monitoring is needed.

We have evaluated the potential for environmental impact of plant operation in accordance with the enclosed amendment. The amendment deletes some of the sample points (wells) selected over five years ago to monitor the possible effect of seepage from the Turkey Point Plant cooling canal system upon the underlying aquifer. These wells were designed to assess the potential impact of the cooling canal system on the aquifer. Evaluation of the data collected from the 23E series wells since April 1972 has shown that the cooling canal system has not had any significant effect on the aquifer or the quality of water in the aquifer. Therefore, further monitoring by means of the E-series wells is not necessary.

Based on the above, we have determined that the amendment does 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 amendment involves 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, negative declaration or environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

OFFICE >				
SURNAME >				
DATE >				

Since the amendment applies only to environmental sampling locations, it does not involve significant new safety information of a type not considered by a previous Commission safety review of the facility. It does not involve a significant increase in the probability or consequences of an accident, does not involve a significant decrease in a safety margin, and therefore does not involve a significant hazards consideration. We have also concluded that there is reasonable assurance that the health and safety of the public will not be endangered by this action.

A copy of the FEDERAL REGISTER Notice is also enclosed.

Sincerely,

Original signed by

George Lear, Chief  
 Operating Reactors Branch #3  
 Division of Operating Reactors

Enclosures:

1. Amendment No. 29 to DPR-31
2. Amendment No. 26 to DPR-41
3. FEDERAL REGISTER Notice

cc w/enclosures:  
 See next page

\*SEE PREVIOUS YELLOW FOR CONCURRENCES

OFFICE >	ORB #3	ORB #3	OELD	ORB #3		
SURNAME >	*CParrish	*RCClark:mjf	*JGoldberg	GLear		
DATE >	9/23/77	9/23/77	9/30/77	10/ /77		

Florida Power & Light Company

- 3 -

cc:

Mr. Jack R. Newman, Esquire  
Lowenstein, Newman, Reis & Axelrad  
1025 Connecticut Avenue, N. W.  
Suite 1214  
Washington, D. C. 20036

Mr. Ed Maroney  
Bureau of Intergovernmental Relations  
725 South Bronough Street  
Tallahassee, Florida 32304

Honorable Dewey Knight  
County Manager of Metropolitan  
Dade County  
Miami, Florida 33130

Florida Power & Light Company  
ATTN: Mr. Henry Yaeger  
Plant Manager  
Turkey Point Plant  
P. O. Box 013100  
Miami, Florida 33101

Chief, Energy Systems Analysis Branch (AW-459)  
Office of Radiation Programs  
U. S. Environmental Protection Agency  
Room 645, East Tower  
401 M Street, S. W.  
Washington, D. C. 20460

U. S. Environmental Protection Agency  
Region VI Office  
ATTN: EIS COORDINATOR  
345 Courtland Street, N. E.  
Atlanta, Georgia 30308

Environmental & Urban Affairs Library  
Florida International University  
Miami, Florida 33199



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

FLORIDA POWER AND LIGHT COMPANY

DOCKET NO. 50-250

TURKEY POINT NUCLEAR GENERATING UNIT NO. 3

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 29  
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 February 23, 1977, as supplemented by your letter of April 25, 1977, 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.

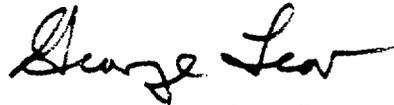
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 3.B. of Facility Operating License No. DPR-31 is hereby amended to read as follows:

(B) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 29, 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



George Lear, Chief  
Operating Reactors Branch #3  
Division of Operating Reactors

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: October 7, 1977

ATTACHMENT TO LICENSE AMENDMENT NO. 29

TO THE TECHNICAL SPECIFICATIONS

FACILITY OPERATING LICENSE NO. DPR-31

DOCKET NO. 50-250

Replace the following page of the Appendix "B" Technical Specifications with the enclosed page. The revised page is identified by Amendment number and contains vertical lines indicating the area of change.

Remove

11

Replace

11

- h. Recovery in discharge areas: Following the construction and completion of the Card Sound control structure and closure of the Grand Canal discharge, quadrat stations in the affected area will be established to determine semiannually the rate of recovery in terms of sedimentation and revegetation by grasses and macroalgae.
- i. Assessment of impacts from turbidity in discharged water:  
A program shall be conducted to assess the impacts on the receiving waters and marine ecosystems from turbidity in discharge water from the operation of the licensed facilities and the construction and testing of the cooling channel system. No later than thirty (30) days from the date of issuance of this license, FPL shall submit to the NRC Director of Operating Reactors, for review and approval, the program implemented to provide this assessment.

## 2. Groundwater

- a. A groundwater program will be conducted in connection with an interceptor ditch located west of the cooling canal system to intercept cooling canal water from flowing westward underground. This program will involve monitoring of 41 wells and 10 surface points for temperature, water level and conductivity (salinity). The monitoring schedule for these locations varies in frequency from monthly to weekly. The monitoring schedule is reviewed on a quarterly basis by FPL with the Central and Southern Florida Flood Control District in consultation with the USGS. The monitoring schedule will continue as long as necessary as determined by the CSFFCD and the USGS.
- b. Copies of reports prepared periodically for paragraph a. above will be submitted to the NRC.
- \*c. A water temperature survey will be conducted monthly in Biscayne Bay in the vicinity of the Grand Canal discharge and in Card Sound in the vicinity of the Card Sound Canal discharge. Temperatures just below the surface will be determined with calibrated thermocouples and strip chart recorder. Traverses will be made by boat along predetermined

\* See Section 4.A.3, page 12.



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

FLORIDA POWER AND LIGHT COMPANY

DOCKET NO. 50-251

TURKEY POINT NUCLEAR GENERATING UNIT NO. 4

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 26  
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 February 23, 1977, as supplemented by your letter of April 25, 1977, 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. 26, 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



George Lear, Chief  
Operating Reactors Branch #3  
Division of Operating Reactors

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: October 7, 1977

ATTACHMENT TO LICENSE AMENDMENT NO. 26

TO THE TECHNICAL SPECIFICATIONS

FACILITY OPERATING LICENSE NO. DPR-41

DOCKET NO. 50-251

Replace the following page of the Appendix "B" Technical Specifications with the enclosed page. The revised page is identified by Amendment number and contains vertical lines indicating the area of change.

Remove

11

Replace

11

- h. Recovery in discharge areas: Following the construction and completion of the Card Sound control structure and closure of the Grand Canal discharge, quadrat stations in the affected area will be established to determine semiannually the rate of recovery in terms of sedimentation and revegetation by grasses and macroalgae.
- i. Assessment of impacts from turbidity in discharged water:  
A program shall be conducted to assess the impacts on the receiving waters and marine ecosystems from turbidity in discharge water from the operation of the licensed facilities and the construction and testing of the cooling channel system. No later than thirty (30) days from the date of issuance of this license, FPL shall submit to the NRC Director of Operating Reactors, for review and approval, the program implemented to provide this assessment.

## 2. Groundwater

- a. A groundwater program will be conducted in connection with an interceptor ditch located west of the cooling canal system to intercept cooling canal water from flowing westward underground. This program will involve monitoring of 41 wells and 10 surface points for temperature, water level and conductivity (salinity). The monitoring schedule for these locations varies in frequency from monthly to weekly. The monitoring schedule is reviewed on a quarterly basis by FPL with the Central and Southern Florida Flood Control District in consultation with the USGS. The monitoring schedule will continue as long as necessary as determined by the CSFFCD and the USGS.
- b. Copies of reports prepared periodically for paragraph a. above will be submitted to the NRC.
- \*c. A water temperature survey will be conducted monthly in Biscayne Bay in the vicinity of the Grand Canal discharge and in Card Sound in the vicinity of the Card Sound Canal discharge. Temperatures just below the surface will be determined with calibrated thermocouples and strip chart recorder. Traverses will be made by boat along predetermined

\* See Section 4.A.3, page 12.

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKETS 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. Nuclear Regulatory Commission (the Commission) has issued Amendments Nos. 29 and 26 to Facility Operating Licenses Nos. DPR-31 and DPR-41, respectively, issued to Florida Power and Light Company which revised Environmental Technical Specifications for operation of the Turkey Point Nuclear Generating Units Nos. 3 and 4, located in Dade County, Florida. The amendments are effective as of the date of issuance.

The amendments will revise the Environmental Technical Specifications to authorize deletion of the monthly and quarterly monitoring of the E-series wells from the groundwater monitoring programs.

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 CFR 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.

For further details with respect to this action, see (1) the application for amendments dated February 23, 1977, as supplemented by letter dated April 25, 1977, and (2) Amendments Nos. 29 and 26 to Licenses Nos. DPR-31 and DPR-41. 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 & Urban Affairs Library, Florida International University, Miami, Florida 33199. A copy of item (2) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Operating Reactors.

Dated at Bethesda, Maryland, this 7th day of October 1977.

FOR THE NUCLEAR REGULATORY COMMISSION



George Lear, Chief  
Operating Reactors Branch #3  
Division of Operating Reactors