

JUL 15 1977

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Docket No. 50-250

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

Gentlemen:

The Commission has issued the enclosed Amendment No. 26 to Facility Operating License No. DPR-31 for the Turkey Point Nuclear Generating Unit No. 3. The amendment is in response to your application dated July 6, 1977.

This operating license amendment will allow continued operation of Turkey Point Unit No. 3 until August 16, 1977 before it is brought to the cold shutdown condition in order to perform a steam generator inspection.

Copies of the Safety Evaluation and the FEDERAL REGISTER Notice are also enclosed.

Sincerely,

Original signed by

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

Enclosures:

1. Amendment No. 26
2. Safety Evaluation
3. FEDERAL REGISTER Notice

cc w/enclosures;  
 See page 2

OT  
 D. Eisenhut

*Construct*

OFFICE >	ORB #3	ORB #3	OELD	ORB #3	EB	EB
SURNAME >	CParrish	DElliott	mjf	GLear	F. Allmeter	L. Shao
DATE >	7/15/77	7/15/77	7/15/77	7/15/77	7/15/77	7/15/77

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. 26  
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 July 6, 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.
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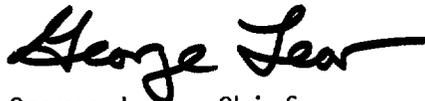
2. Accordingly, paragraph 3.E of Facility Operating License No. DPR-31 is hereby amended to read as follows:

"E. Steam Generator Inspections

In order to perform an inspection of the steam generators, Unit No. 3 shall be brought to the cold shutdown condition no later than August 16, 1977. Nuclear Regulatory Commission approval shall be obtained before resuming power operation following this inspection. Unit No. 3 operation until August 16, 1977 is authorized provided that further information and evaluation required in connection with continued operation of Unit No. 4, as a result of Amendment No. 20 to Facility Operating License DPR-41, justify continued operation of Unit No. 3 for the full period authorized by this paragraph 3.E."

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

Date of Issuance: July 15, 1977



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 26 TO LICENSE NO. DPR-31,

FLORIDA POWER AND LIGHT COMPANY

TURKEY POINT NUCLEAR GENERATING UNIT NO. 3

DOCKET NO. 50-250

Introduction

By letter dated July 6, 1977, Florida Power and Light Company (FPL) proposed a License Amendment to the Facility Operating License DPR-31 for Turkey Point Unit No. 3. The proposed License Amendment would allow continued operation of Turkey Point Unit No. 3 until August 16, 1977, before it is brought to the cold shutdown condition in order to perform a steam generator inspection.

Discussion

License Amendment No. 22 to Facility Operating License No. DPR-31 for Turkey Point Unit No. 3 required that Unit No. 3 be shutdown within six months of equivalent operation from January 14, 1977 (shutdown approximately July 16, 1977) for the purpose of steam generator inspection. On July 6, 1977, FPL proposed the following amendment to paragraph 3.E of the Turkey Point Unit No. 3 Facility Operating License:

3.E Steam Generator Inspections

In order to perform an inspection of the steam generators, Unit No. 3 shall be brought to the cold shutdown condition no later than August 16, 1977. Nuclear Regulatory Commission approval shall be obtained before resuming power operation following this inspection. Unit No. 3 operation until August 16, 1977 is authorized provided that further information and evaluations required in connection with continued operation of Unit No. 4, as a result of Amendment No. 20 to Facility Operating License DPR-41, justify continued operation of Unit No. 3 for the full period authorized by this paragraph 3.E.

FPL requested the one month extended operation of Unit No. 3 to avoid a concurrent shutdown of both Units Nos. 3 and 4 which would cause a critical power shortage. The need for this request was caused by an extension of the Unit No. 4 outage for refueling and steam generator inspection from 3 to 5 weeks beyond the scheduled completion date of July 9, 1977.

### Evaluation

Prior to January 14, 1977, FPL inspected the Unit No. 3 steam generators and plugged all the row 1 tubes in each steam generator to prevent U-bend cracking of the tubes in row 1. FPL provided sufficient information to show that the likelihood of dented tubes developing leaks during six months operation was minimal during normal operation or postulated accidents. In addition there was no evidence that could lead to U-bend cracking in row 2 and beyond, and the fact that row 1 was plugged alleviated the generic concern about the small radii U-bend tubes. The NRC staff's Safety Evaluation for License Amendment No. 22 to DPR-31 concluded that (1) the condition of Turkey Point Unit No. 3 steam generators were not as severe as other PWR facilities with dented tubes (which have developed leaks), and (2) there was not an immediate potential during six months operation that would leak to similar tube failures which have occurred in other affected units to endanger the public health and safety.

During the past six months, there have not been any incidences of tube leakage in the Turkey Point Unit No. 3 steam generators. For this reason and the NRC staff's ongoing evaluation of information from other facilities with denting and those that developed leaky dents, we conclude that the dented tubes in the Turkey Point Unit No. 3 steam generators have sufficient integrity with an adequate margin of safety so that a limited period of additional operation would not significantly affect the ability of the tubes to withstand normal operating and postulated accident conditions. In addition, if any reactor coolant system leakage indication in excess of 1 gpm occurs during this limited period of operation, the current Technical Specifications (Section 3.1, page 3.1-4) require an investigation and evaluation within 4 hours of the indication.

At Turkey Point Unit No. 4, the licensee has recently investigated the possibility that 11 plugs in the 4B steam generator had worked loose during its last cycle of operation. As yet, no indications of the loose plugs or damage resulting therefrom have been found by the licensee. We believe that similar experience has not and will not occur during the limited period of operation of Turkey Point Unit No. 3, prior to its shutdown for inspection of the steam generators, because there has been a sustained six months period of operation during which there has been no indication of leakage from the currently plugged tubes in the Unit No. 3 steam generators. This performance provides the assurance of the integrity of the tube plugs.

We conclude that Unit No. 3 can continue to operate beyond July 16, 1977 without adverse effect on the public health and safety. Therefore, we find Florida Power and Light Company's proposed amendment for Section 3.E of License DPR-31 acceptable.

### Environmental Considerations

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 or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

### Conclusion

We have concluded, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant decrease in a safety margin, the amendment does 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 this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Dated: July 15, 1977

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-250

FLORIDA POWER AND LIGHT COMPANY

NOTICE OF ISSUANCE OF AMENDMENT TO FACILITY  
OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 26 to Facility Operating License No. DPR-31, issued to Florida Power and Light Company, for operation of the Turkey Point Nuclear Generating Unit No. 3, located in Dade County, Florida. The amendment is effective as of the date of issuance.

The amendment to the operating license will allow continued operation of Turkey Point Unit No. 3 until August 16, 1977 before it is brought to cold shutdown condition in order to perform a steam generator inspection.

The application for the amendment 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 amendment. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR §1.5(d)(4) an environmental impact statement, negative declaration or environmental impact appraisal need not be prepared in

connection with issuance of this amendment.

For further details with respect to this action, see (1) the application for amendment dated July 6, 1977, (2) Amendment No. 26 to License No. DPR-31, 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 & 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 Operating Reactors.

Dated at Bethesda, Maryland, this 15 day of July 1977.

FOR THE NUCLEAR REGULATORY COMMISSION



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