

APRIL 24 1979

Docket Nos. 50-200
and 50-251

Dr. Robert E. Uhrig, Vice President
Florida Power and Light Company
Advanced Systems and Technology
P. O. Box 529100
Miami, Florida 33152

Dear Dr. Uhrig:

The Commission has issued the enclosed Amendment No. 47 to Facility Operating License No. DPR-31 and Amendment No. 39 to Facility Operating License No. DPR-41 for the Turkey Point Nuclear Plant, Unit Nos. 3 and 4. The amendments consist of changes to the Technical Specifications in response to your application dated December 22, 1978.

These amendments change the control rod group insertion limits. Paragraphs 6.2.2.f and 6.4.2 were unintentionally left off page 6-5 when that page was revised on February 15, 1979 (Amendment 43 for Unit 3 and Amendment 35 for Unit 4). These amendments correct that administrative error.

Copies of the Safety Evaluation and the Notice of Issuance are also enclosed.

Sincerely,

Original Signed By

A. Schwencer, Chief
Operating Reactors Branch #1
Division of Operating Reactors

Enclosures:

1. Amendment No. 47 to License DPR-31
2. Amendment No. 39 to License DPR-41
3. Safety Evaluation
4. Notice

cc: w/enclosures
See next page

TACS 11175 and 11176

OFFICE	DOR:ORB	DOR:ORB	DOR:ORB	DOR:AD:S&D	OELD
SURNAME	MGRotenhuis	jbCSParrish	ASchwencer	RHVollmer	Go-DBRE
DATE	04/10/79	04/11/79	04/16/79	04/16/79	04/29/79

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

April 24, 1979

Docket Nos. 50-250
and 50-251

Dr. Robert E. Uhrig, Vice President
Florida Power and Light Company
Advanced Systems and Technology
P. O. Box 529100
Miami, Florida 33152

Dear Dr. Uhrig:

The Commission has issued the enclosed Amendment No. 47 to Facility Operating License No. DPR-31 and Amendment No. 39 to Facility Operating License No. DPR-41 for the Turkey Point Nuclear Plant, Unit Nos. 3 and 4. The amendments consist of changes to the Technical Specifications in response to your application dated December 22, 1978.

These amendments change the control rod group insertion limits. Paragraphs 6.2.2.f and 6.4.2 were unintentionally left off page 6-5 when that page was revised on February 15, 1979 (Amendment 43 for Unit 3 and Amendment 35 for Unit 4). These amendments correct that administrative error.

Copies of the Safety Evaluation and the Notice of Issuance are also enclosed.

Sincerely,

A handwritten signature in cursive script, appearing to read "A. Schwencer", is written over the typed name.

A. Schwencer, Chief
Operating Reactors Branch #1
Division of Operating Reactors

Enclosures:

1. Amendment No. 47 to License DPR-31
2. Amendment No. 39 to License DPR-41
3. Safety Evaluation
4. Notice

cc: w/enclosures
See next page

Robert E. Uhrig
Florida Power and Light Company - 2 -

April 24, 1979

cc: Mr. Robert Lowenstein, Esquire
Lowenstein, Newman, Reis and Axelrad
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Washington, D. C. 20036

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Room 4, Holland Building
Tallahassee, Florida 32304

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

Mr. Norman A. Coll, Esquire
Steel, Hector and Davis
1400 Southeast First National
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Miami, Florida 33131

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

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

Bureau of Intergovernmental Relations
660 Apalachee Parkway
Tallahassee, Florida 32304

Director, Technical Assessment Division
Office of Radiation Programs (AW-459)
U. S. Environmental Protection Agency
Crystal Mall #2
Arlington, Virginia 20460

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



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. 47
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 December 22, 1978, 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-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. 47, 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



A. Schwencer, Chief
Operating Reactors Branch #1
Division of Operating Reactors

Attachment:
Changes to the Technical
Specifications

Date of Issuance: April 24, 1979

ATTACHMENT TO LICENSE AMENDMENT NO. 47

FACILITY OPERATING LICENSE NO. DPR-31

DOCKET NO. 50-250

Replace the following pages of the Appendix "A" Technical Specifications with the enclosed pages. The revised pages are identified by Amendment number.

<u>Remove</u>	<u>Replace</u>
Figure 3.2-1	Figure 3.2-1
3.2-1(a)	3.2-1(a)
3.2-1(b)	3.2-1(b)
3.2-1(c)	3.2-1(c)
6-5	6-5
6-6	6-6



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. 39
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 December 22, 1978, 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. 39, 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



A. Schwencer, Chief
Operating Reactors Branch #1
Division of Operating Reactors

Attachment:
Changes to the Technical
Specifications

Date of Issuance: April 24, 1979

ATTACHMENT TO LICENSE AMENDMENT NO. 39

FACILITY OPERATING LICENSE NO. DPR-41

DOCKET NO. 50-251

Replace the following pages of the Appendix "A" Technical Specifications with the enclosed pages. The revised pages are identified by Amendment number.

<u>Remove</u>	<u>Replace</u>
Figure 3.2-1	Figure 3.2-1
3.2-1(a)	3.2-1(a)
3.2-1(b)	3.2-1(b)
3.2-1(c)	3.2-1(c)
6-5	6-5
6-6	6-6

UNIT 4
CONTROL GROUP INSERTION LIMITS
FOR THREE LOOP OPERATION

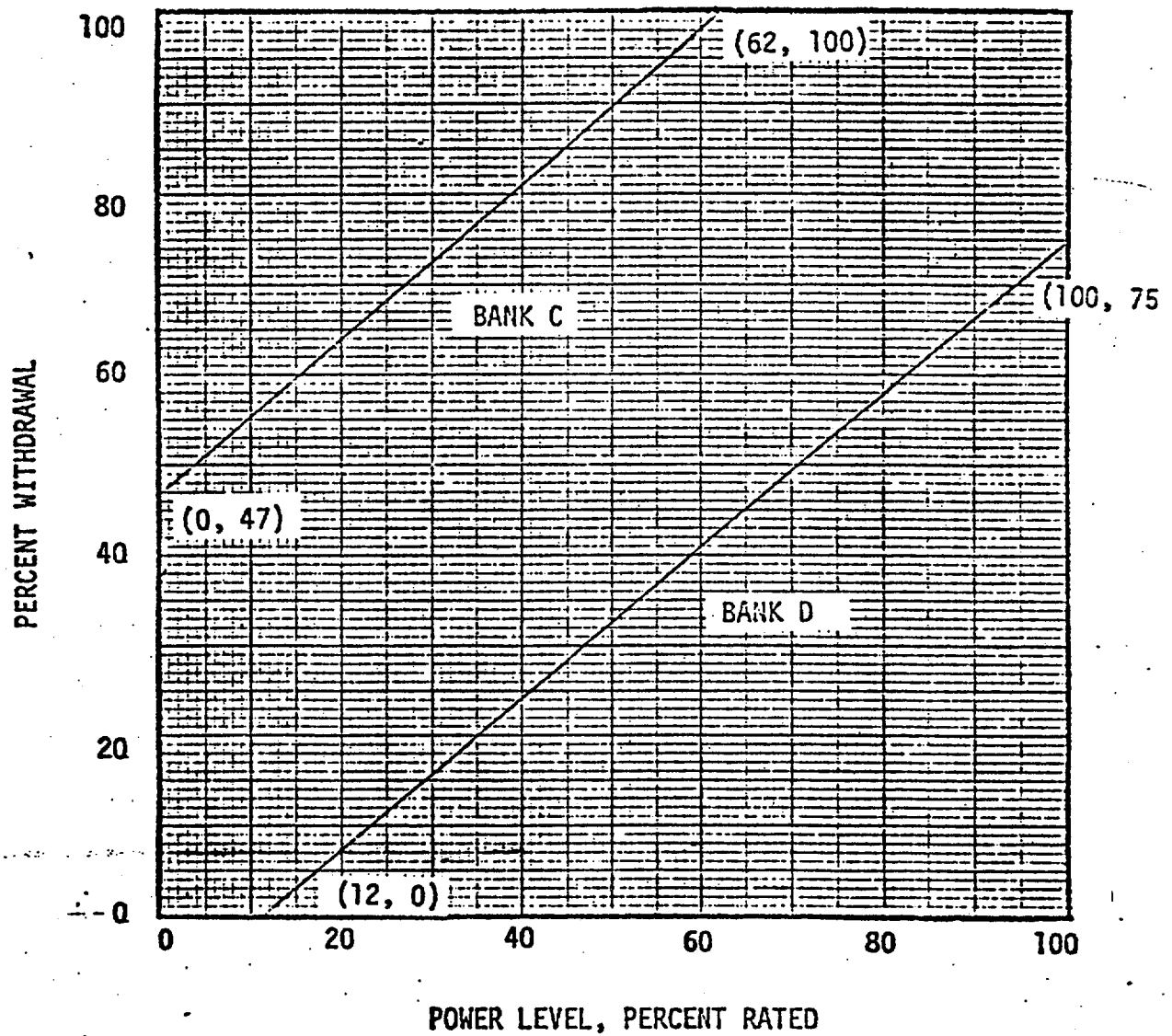


FIGURE 3.2-1

UNIT 4
CONTROL GROUP INSERTION LIMITS
FOR TWO LOOP OPERATION

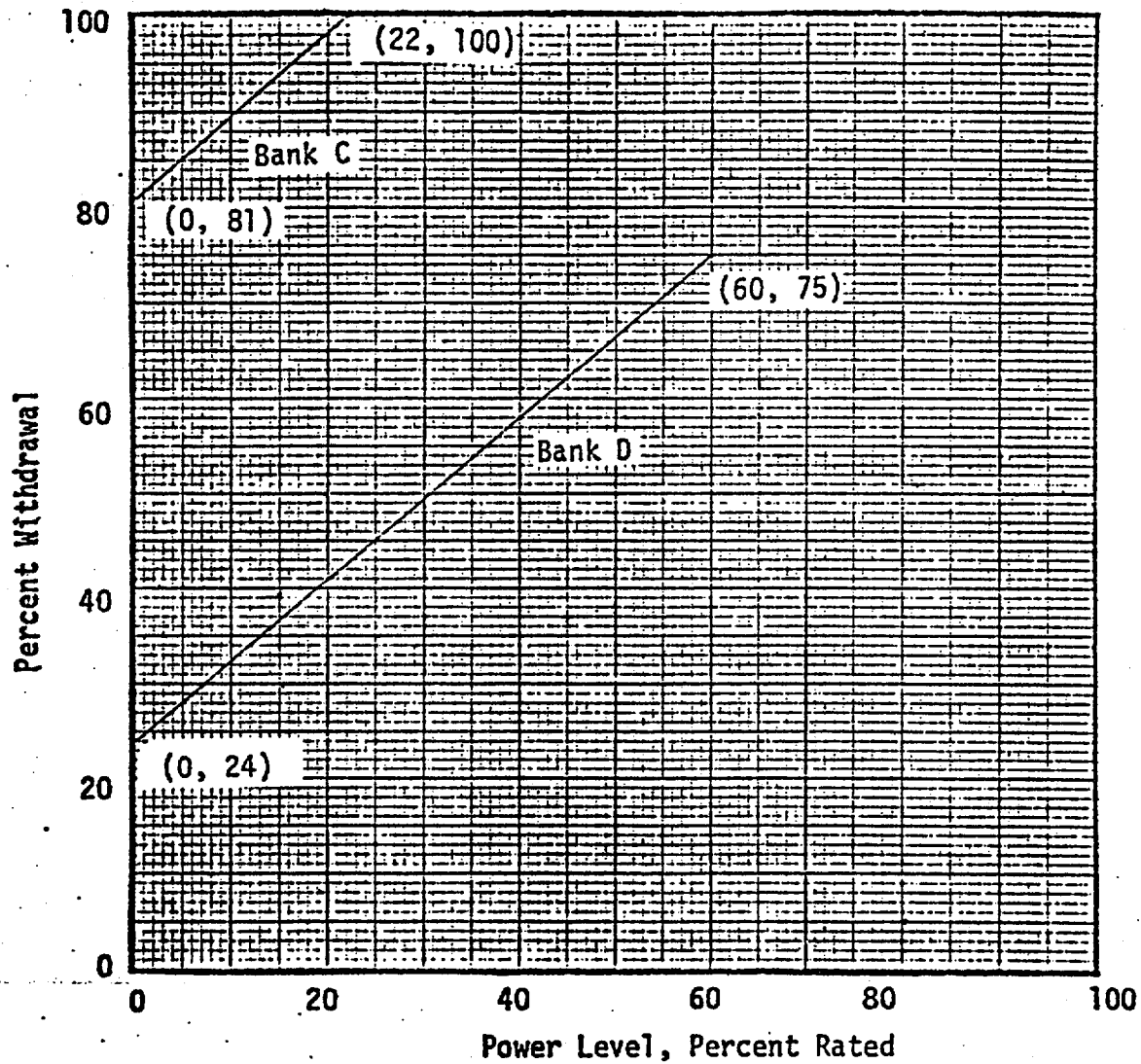


FIGURE 3.2-1(a)

UNIT 3
CONTROL GROUP INSERTION LIMITS
FOR THREE LOOP OPERATION

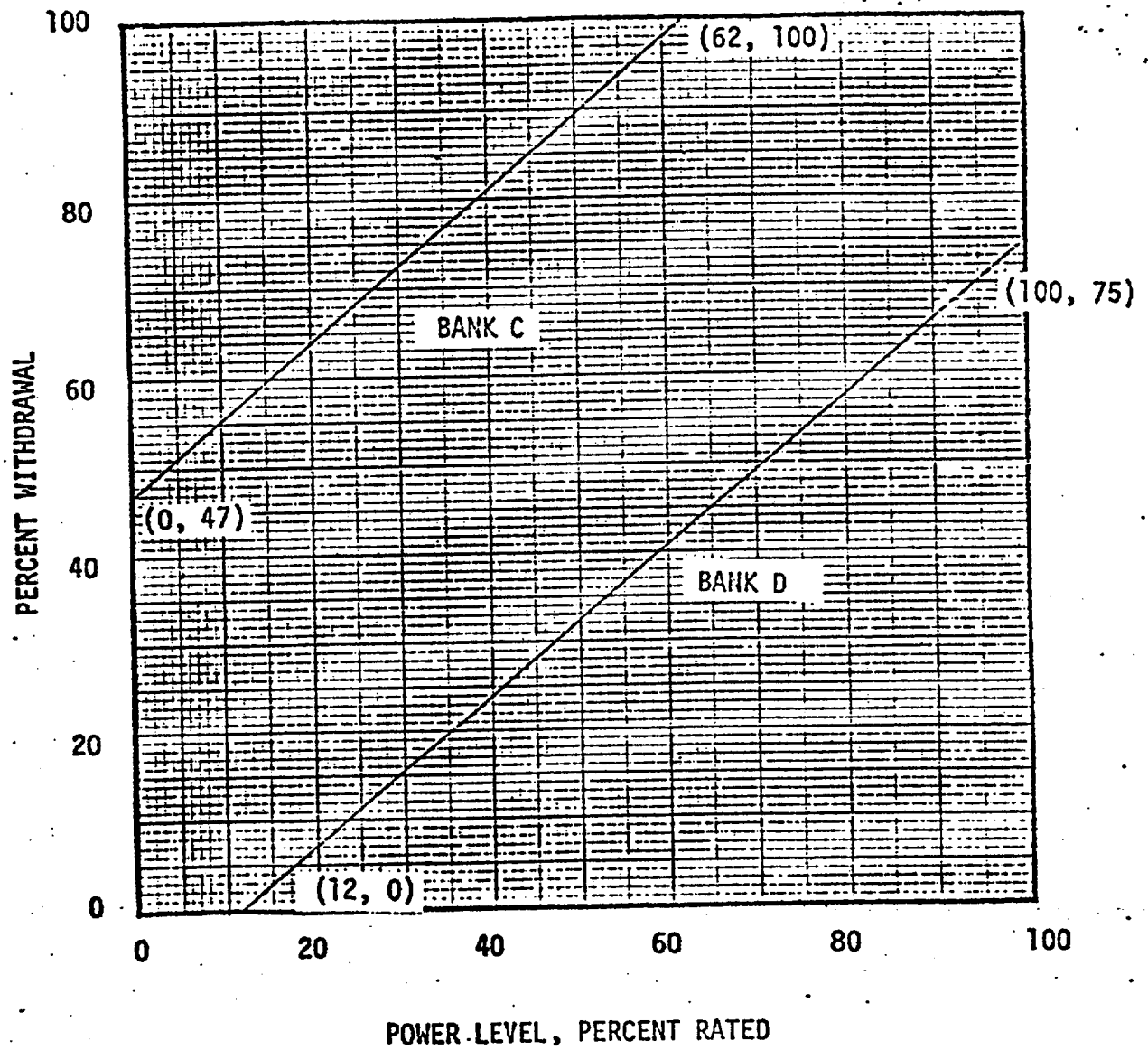


FIGURE 3.2-1(b)

Amendment No. 47, Unit 3

UNIT 3
CONTROL GROUP INSERTION LIMITS
FOR TWO LOOP OPERATION

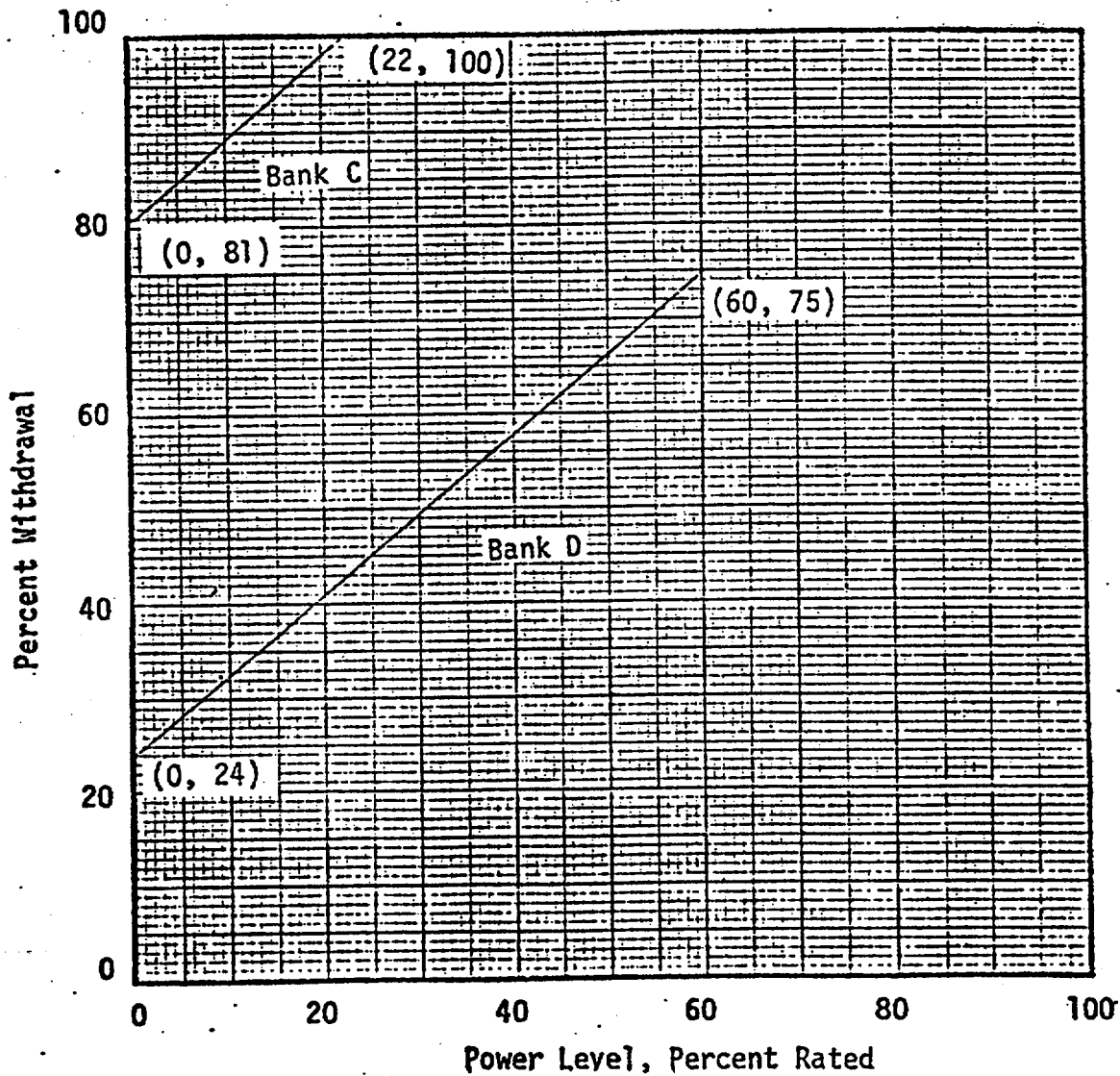


FIGURE 3.2-1(c)

- d. An individual qualified in radiation protection procedures shall be on site when fuel is in the reactor.
- e. ALL CORE ALTERATIONS shall be directly supervised by either a licensed Senior Reactor Operator or Senior Reactor Operator Limited to Fuel Handling who has no other concurrent responsibilities during this operation.
- f. At least three (3) persons shall be maintained on site at all times for Fire Emergency response. This excludes two (2) members of the shift crew.

6.3 FACILITY STAFF QUALIFICATIONS

- 6.3.1 Each member of the facility staff shall meet or exceed the minimum qualifications of ANSI N18.1-1971 for comparable positions.

6.3.2 HEALTH PHYSICS SUPERVISOR QUALIFICATIONS

- 6.3.2.1 The Health Physics Supervisor at the time of appointment to the position, shall, except as indicated below, meet the following:

- 1. He shall have a bachelor's degree or equivalent in a science or engineering subject, including some formal training in radiation protection.
- 2. He shall have five years of professional experience in applied radiation protection; where a master's degree in a related field is equivalent to one year experience and a doctor's degree in a related field is equivalent to two years of experience.
- 3. Of his five years of experience, three years shall be in applied radiation protection work in a nuclear facility dealing with radiological problems similar to those encountered at Turkey Point Plant.

- 6.3.2.2 When the Health Physics Supervisor does not meet the above requirements, compensatory action shall be taken which the plant Nuclear Safety Committee determines and the NRC Office of Nuclear Reactor Regulation concurs that the action meets the intent of Specification 6.3.2.1.

6.4 TRAINING

- 6.4.1 A retraining and replacement training program for the facility staff shall be maintained under the direction of the Training Supervisor and shall meet or exceed the requirements and recommendations of Section 5.5, ANSI N18.1-1971 and Appendix A to 10 CFR Part 55.

- 6.4.2 A training program for the Fire Emergency response members shall be maintained under the direction of the Fire Protection Administrator and should meet or exceed the requirements of Section 27 of the NFPA Code-1975, except for fire Brigade training sessions which shall be held at least quarterly.

6.5 REVIEW AND AUDIT

- 6.5.1 Plant Nuclear Safety Committee PNSC.

6.5.1.1 FUNCTION

The PNSC shall function to advise the Plant Superintendent - Nuclear on all matters related to nuclear safety.

5.1.2 COMPOSITION

The Plant Nuclear Safety Committee shall be composed of the:

1. Chairman: Plant Superintendent - Nuclear
2. Vice Chairman: Operations Superintendent
3. Technical Department Supervisor
4. Assistant Superintendent - Nuclear Maintenance
5. Instrument and Control Supervisor
6. Health Physics Supervisor
7. Reactor Supervisor

6.5.1.3 ALTERNATES

Alternate members shall be appointed in writing by the PNSC Chairman to serve on a temporary basis; however, no more than two alternates shall participate in PNSC activities at any one time.

6.5.1.4 MEETING FREQUENCY

The PNSC shall meet at least once per calendar month and as convened by the PNSC Chairman.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NOS. 47 AND 39 TO FACILITY OPERATING
LICENSE NOS. DPR-31 AND DPR-41
FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT NUCLEAR GENERATING UNIT NOS. 3 AND 4
DOCKET NOS. 50-250 AND 50-251

Introduction

By application dated December 22, 1978, Florida Power and Light (FPL) proposed changes to the Technical Specifications for the control rod insertion limits of Facility Operating License Nos. DPR-31 and DPR-41, Turkey Point Units 3 and 4.

Evaluation

The control rod insertion limits are established to ensure that (1) adequate shutdown margin exists, (2) hot channel factors are maintained below design limits and (3) the consequences of a rod ejection accident are acceptable. Insertion limits are determined to give the lowest rod positions which meet these criteria. The Technical Specifications state that the control group rods shall be no further inserted than the limits shown on Figures 3.2-1 and Figures 3.2-1 (a), (b) and (c).

The proposed control rod insertion limits would allow the control group rods to be inserted into the reactor core a lesser amount than do the existing Technical Specification limits. A decrease in the amount of allowed insertion is conservative. It would increase the minimum available shutdown margin, maintain an acceptable core power distribution and decrease the consequences of a control rod ejection accident.

Based on the considerations above, we find that the proposed rod insertion limits are acceptable since they do not involve a significant increase in the probability or consequences of accidents previously considered or a significant decrease in a safety margin. There is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner.

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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 this amendment.

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 24, 1979

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NOS. 50-250 AND 50-251

FLORIDA POWER AND LIGHT COMPANY

NOTICE OF ISSUANCE OF AMENDMENTS TO FACILITY
OPERATING LICENSES

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendments Nos. 47 and 39 to Facility Operating License Nos. DPR-31 and DPR-41, respectively, issued to Florida Power and Light Company which revised 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 change the control rod group insertion limits and correct an administrative error in amendments 43 and 35 issued February 15, 1979.

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 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

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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 December 22, 1978, (2) Amendments Nos. 47 and 39 to Licenses 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 & 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 24th day of April, 1979.

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in cursive script, appearing to read "A. Schwencer".

A. Schwencer, Chief
Operating Reactors Branch #
Division of Operating Reactors