

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

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June 27, 1973

Pool

Docket Nos. 50-250
50-251

Florida Power & Light Company
ATTN: Dr. James Coughlin
P. O. Box 3100
Miami, Florida 33101

Change No. 7
License Nos. DPR-31 and 41

Gentlemen:

By letter dated June 18, 1973, you proposed seven revisions to the Technical Specifications attached as Appendix A to Facility Operating Licenses DPR-31 and 41. This action is designated Change No. 7.

We have reviewed these proposed changes and approve them on the basis that all of the changes take the form of corrections or clarifications or, in some cases, updating of position titles.

We conclude that the changes do not involve significant hazard considerations and there is reasonable assurance that the health and safety of the public will not be endangered. Accordingly, pursuant to Section 50.59 of 10 CFR Part 50, the Technical Specifications of Facility Operating Licenses DPR-31 and 41 are hereby changed as described in the Florida Power & Light letter of June 18, 1973 and as set forth in revised pages which are enclosed.

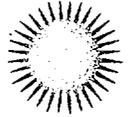
Sincerely,

A handwritten signature in cursive script, appearing to read "R. C. DeYoung".

R. C. DeYoung, Assistant Director
for Pressurized Water Reactors
Directorate of Licensing

Enclosure:
As stated

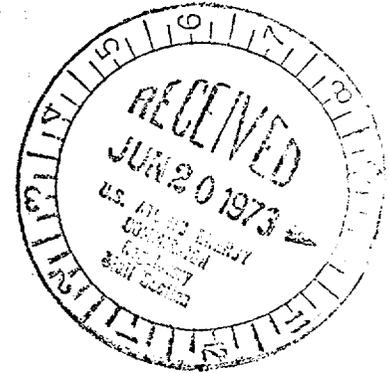
cc: Mr. Jack Newman



FLORIDA POWER & LIGHT COMPANY

June 18, 1973

Mr. R. C. DeYoung, Assistant Director
for Pressurized Water Reactors
Directorate of Licensing
U. S. Atomic Energy Commission
Washington, D. C. 20545



Dear Mr. DeYoung:

Re: Turkey Point Plant Units 3 and 4
Docket Nos. 50-250 and 50-251
Proposed Changes in Technical Specifications

In accordance with 10 CFR 50.59, Florida Power & Light Company submits herewith three (3) signed originals and nineteen (19) copies of its Request for Authorization of Changes in Appendix A (Technical Specifications) to Facility Operating Licenses DPR-31 and DPR-41, as listed below:

1. Page ii (Table of Contents)

Delete Section 3.11 and 4.13 as these subjects are covered by Appendix B to the licenses (Environmental Technical Specifications).

Pages 3.11-1 and 4.13-1 (blank pages reserved for future use at time of issue of DPR-31) should be removed. Also remove any other pages found in Sections 3.11 and 4.13, as when the specifications were reprinted at the time of issuance of DPR-41 we made an error and some copies were sent to you with pages 3.11-2 and 3 plus pages 4.13-2 and 3 included.

2. Page 6.1-8 (original designation)

Redesignate this page 6.1-8a. When Change 5 was made, the page numbering left two pages with the same number.

On this page, in paragraph g.1. change "Plant Superintendent" to "Plant Superintendent - Nuclear", and add to the end of paragraph g.3. "in Appendix A of the licenses." This latter change is to recognize Appendix B is reviewed by others.

3. Pages 6.1-9 and 6.1-10

In paragraphs g.6. (top of page 6.1-9), h.2.a. (top of page 6.1-10), and i., change "Regional Superintendent of Power Plants" to the new FPL title for the position, "Manager of Power Resources - Nuclear."

In paragraphs h.2. and h.2.a. (bottom of page 6.1-9), change "Plant Superintendent" to "Plant Superintendent - Nuclear."

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4. Pages 6.1-12 and 6.1-13

In paragraph d., change items 2, 3, 5 and 8 to the new FPL titles for the positions.

5. Page 6.1-14

Delete "environment" from the top of the page as this subject is covered by Appendix B.

6. Page 6.1-15

Change i.3. to read as follows:

"Proposed changes to the licenses on Technical Specifications in Appendix A of the licenses."

Change i.9. to read as follows:

"Environmental radiological monitoring."

In i.10. correct the titles to current FPL titles for the positions.

7. Page 6.5-1

Add the word "radiological" after "off-site" in paragraph 6.5.2 d.

8. Page 6.6-8 and Sheet 3 of Table 4.1-1

Add the word "Radiological" after "Environmental" in (g) and 23 respectively.

The proposed Technical Specifications changes as described above have been made to the pages submitted herewith for your review.

Also we include for your convenience a change sheet list to be put after the fly-leaf of your book, plus a reprint of Table 6.4-1 to show Change No. 6 which you issued on May 17, 1973. There was a typographical error on page 2 of Change 6, "Table 6.5-1" should be changed to "Table 6.4-1".

We appreciate much the promptness with which your staff processes changes to Appendix A of the licenses.

Yours very truly,


James Coughlin
Vice President

JC:rp
Enclosures

cc: Jack R. Newman, Esq.

STATE OF FLORIDA)
) SS
COUNTY OF DADE)

E. A. ADOMAT, being first duly sworn, deposes and says:

That he is an Executive Vice President of Florida Power & Light Company,
the Applicant herein;

That he has executed the foregoing instrument; that the statements made
in this said instrument are true and correct to the best of his knowledge,
information and belief; and that he is authorized to execute the instrument
on behalf of said Applicant.

E. A. Adomat

Subscribed and sworn to before me
this 18th day of June, 1973.

Robert W. Powell

Notary Public in and for the
County of Dade, State of Florida

My Commission expires

NOTARY PUBLIC, STATE OF FLORIDA at LARGE
MY COMMISSION EXPIRES APRIL 2, 1975
BONDED THRU MAYBARR FIDELITY AGENCY

DPR-31 and DPR-41

TECHNICAL SPECIFICATION CHANGES

<u>Change No.</u>	<u>Page</u>	<u>Identity Mark</u>	<u>Effective</u>
6.	Table 6.4-1	Bar 6	5/17/73

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	Gaseous Wastes	3.9-2
	Containerized Wastes	3.9-3
3.10	Refueling	3.10-1
4	SURVEILLANCE REQUIREMENTS	4.1-1
4.1	Operational Safety Review	4.1-1
4.2	Reactor Coolant System In Service Inspection	4.2-1
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4.4	Containment Tests	4.4-1
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4.5	Safety Injection	4.5-1
4.6	Emergency Containment Cooling Systems	4.6-1
	Emergency Containment Filtering and Post Accident	
4.7	Containment Vent Systems	4.7-1
4.8	Emergency Power System Periodic Tests	4.8-1
4.9	Main Steam Isolation Valves	4.9-1
4.10	Auxiliary Feedwater System	4.10-1
4.11	Reactivity Anomalies	4.11-1
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5	DESIGN FEATURES	5.1-1
5.1	Site	5.1-1
5.2	Reactor	5.2-1
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6	ADMINISTRATIVE CONTROLS	6.1-1
6.1	Organization, Review and Audit	6.1-1
6.2	Action to be Taken in the Event of an Abnormal Occurrence in a Nuclear Unit	6.2-1
6.3	Action to be Taken if a Safety Limit is Exceeded	6.3-1
6.4	Unit Operating Procedures	6.4-1
6.5	Unit Operating Records	6.5-1
6.6	Plant Reporting Requirements	6.6-1

TABLE 4.1-1 (Continued)

	<u>Channel Description</u>	<u>Check</u>	<u>Calibrate</u>	<u>Test</u>	<u>Remarks</u>
23.	Environmental Radiological Monitors	N.A.	A(1)	M(1)	(1) Flow
24.	Logic Channels	N.A.	N.A.	M†	
25.	Emer. Portable Survey Instruments	N.A.	A	M	
26.	Seismograph	N.A.	N.A.	Q	Make trace Test battery (change semi-annually)
*	Using moveable in-core detector system.				
**	Frequency only				
***	Effluent monitors only. Calibration shall be as specified in 3.9.				

- S - Each Shift
- D - Daily
- W - Weekly
- B/W - Every Two Weeks
- M - Monthly
- Q - Quarterly
- P - Prior to each startup if not done previous week
- R - Each Refueling Shutdown
- A - Annually
- N.A. - Not applicable
- † - N.A. during cold or refueling shutdowns. The specified tests, however, will be performed within one surveillance interval prior to startup.

- e. Quorum: Chairman or Vice Chairman plus four members or their designated alternates.
- f. Designated alternates shall be from other plant personnel in the appropriate disciplines; however, there shall be no more than two (2) alternate members serving on the committee at any one time.
- g. Responsibilities:
 - 1. The committee shall review proposed normal, off-normal and emergency operating procedures; proposed maintenance procedures and proposed changes to those procedures; and any other proposed procedures or changes thereto as determined by the Plant Superintendent - Nuclear to affect nuclear safety.
 - 2. The committee shall review proposed tests and experiments.
 - 3. The committee shall review proposed changes to the Technical Specifications in Appendix A of the licenses.
 - 4. The committee shall review proposed changes or modifications to plant systems or equipment.
 - 5. The committee shall review nuclear unit operations to detect any potential safety hazards.
 - 6. The committee shall investigate reported instances of violations of the Technical Specifications, such investigations to include reporting, evaluation and recommendations to prevent

recurrence, to the Manager of Power Resources -
Nuclear and to the Chairman of the Company
Nuclear Review Board.

7. The committee shall perform special reviews and investigations and render reports thereon as requested by the Chairman of the Company Nuclear Review Board.
8. Investigate, review, and report on all abnormal occurrences.
9. Cause to be conducted periodic drills on emergency procedures, including evacuation (partial or complete) of the site and check adequacy of communications with off-site support groups.
10. The committee shall review the Plant Security Plan and implementing procedures and shall submit recommended changes to the Chairman of the Company Nuclear Review Board.
11. The committee shall review the Emergency Plan and implementing procedures and shall submit recommended changes to the Chairman of the Company Nuclear Review Board.

h. Authority:

1. The Plant Nuclear Safety Committee shall be advisory.
2. The Plant Nuclear Safety Committee shall recommend to the Plant Superintendent - Nuclear approval or disapproval of proposals under items g (1) through (4) above.
 - a. In the event of disagreement between the recommendations of the Plant Nuclear Safety Committee and the actions contemplated by the Plant Superintendent - Nuclear, the course determined by the Plant Superintendent - Nuclear

to be more conservative will be followed.

Records of the disagreement will be included in the minutes sent for review to the Manager of Power Resources - Nuclear and the Company Nuclear Review Board.

3. The Plant Nuclear Safety Committee shall make tentative determinations as to whether or not proposals considered by the Committee involve unreviewed safety questions. This determination shall be subject to review and approval by the Company Nuclear Review Board.

- i. Records:

Minutes shall be kept at the plant of all meetings of the Plant Nuclear Safety Committee and copies shall be sent to the Manager of Power Resources - Nuclear and to the Chairman of the Company Nuclear Review Board.

- j. Procedures:

Written administrative procedures for committee function shall be prepared and maintained describing the method of submission, and the content of presentations to the committee; provisions for the use of subcommittees; review and approval by members of written committee evaluations and recommendations; the distribution of minutes; and, such other matters as may be appropriate.

The operation of the nuclear units shall be formally audited on a periodic basis. These audits shall be performed no less frequently than semi-annually. Periodic review of the audit activity shall be performed by the board to assure that such audits are being accomplished in accordance with requirements of Technical Specifications. Such audits shall include verification of conformance with normal, off normal, maintenance and emergency surveillance, test and radiation control procedures and the Emergency and Security Plans. These audits shall be performed in accordance with appropriate written instructions or procedures and shall include verification of compliance with internal rules, procedures and regulations and license provisions, performance of the operating staff; and corrective actions following anomalies. Written reports of such audits shall be incorporated in the records of the board and disseminated to appropriate members of management, including those having responsibility in the area audited. Follow-up action, including re-audit of deficient areas, shall be taken when indicated and results reported to responsible management levels.

d. Membership:

1. Chairman: Vice President Nuclear Power
Activities
2. Vice Chairman: Chief Engineer- Power Plants
3. Member: Director of Power Resources
4. Member: Project Manager
5. Member: Manager of Power Resources - Nuclear

6. Member: Manager of Quality Assurance
7. Secretary: Project Engineer
8. Non Voting Member: Plant Superintendent - Nuclear
9. Non Voting Members: Staff Specialists and Consultants

Qualified alternates shall be appointed or other provisions shall be made for covering the absence of full time members of the group. To accomplish this, each voting member shall designate a permanent alternate to serve in his absence, and a current list of these non-voting alternates shall be maintained in board records. The use of alternates shall be restricted to legitimate and unavoidable absences of principals and shall be limited to not more than two alternates.

e. Qualifications:

1. At least four voting members including alternates shall have a minimum of a Bachelor's Degree in Engineering or the Physical Sciences and have a minimum of three years of professional level experience in nuclear engineering, and the necessary overall nuclear background to determine when to call consultants and contractors for dealing with complex problems beyond the scope of the Company organization.
2. Members shall collectively have the capability required to review the areas of:

- reactor operations
- nuclear engineering
- chemistry and radiochemistry
- metallurgy
- instrumentation and control
- radiological safety
- mechanical and electrical engineering

other appropriate fields required by the unique characteristics of the nuclear units involved.

When the nature of a particular situation dictates, special consultants will be utilized to provide expert advice to board members upon request of any two board members.

3. If sufficient expertise in the specialty in e.2 above is not available from within the board, staff specialists and/or outside consultants shall be used to supplement review and audit functions of the board. Personnel in this category shall be competent in technical matters related to nuclear unit safety and other engineering and scientific support aspects.

f. Meeting frequency:

Meetings shall be no less frequent than semiannually, or as required by circumstances.

g. Quorum:

1. No less than a majority of the board voting membership shall constitute a quorum.
2. Either the Chairman or Vice Chairman shall be present.
3. No more than a minority of the quorum shall have line responsibility for nuclear unit operation.

h. Minutes:

Meeting minutes shall be prepared, formally approved, retained and also promptly distributed to appropriate members of management having responsibility in the area reviewed.

i. Subjects reviewed:

1. Proposed tests and experiments, and results thereof, when these constitute an unreviewed safety question defined in 10CFR50.59.
2. Proposed changes in equipment or systems which may constitute an unreviewed safety question defined in 10CFR 50.59, or which are referred by the operating organization.
3. Proposed changes to the licenses or Technical Specifications in Appendix A of the licenses.
4. Violations of statutes, regulations, orders, Technical Specifications, license requirements, or internal procedures or instructions having safety significance.
5. Significant operating abnormalities or deviations from normal performance of unit equipment.
6. Abnormal occurrences as defined in 1.13.
7. The Emergency Plans and procedures.
8. The Plant Security Plan and procedures.
9. Environmental radiological monitoring.
10. Nuclear safety matters deemed essential to the safe operation of the facility by the Plant Superintendent - Nuclear, the Plant Nuclear Safety Committee, the Manager of Power Resources - Nuclear and the Director of Power Resources.
11. Reports and meeting minutes of the Plant Nuclear Safety Committee.
12. Reports to the AEC and AEC responses.

TABLE 6.4-1

PROTECTION FACTORS FOR RESPIRATORS

	(1) Modes	(2) Protection Factors	
		(3) Particulates, Vapors and Gases Except Tritium Oxide	Tritium Oxide
I. <u>Air-Purifying Respirators</u>			
Facepiece, Half Mask (4)	NP	5	1
Facepiece, Full	NP	100	1
II. <u>Atmosphere-Supplying Respirators</u>			
A. <u>Air Line Respirator</u>			
Facepiece, Half Mask	CF	100	2
Facepiece, Full	CF	1,000	2
Facepiece, Full	PD	1,000	2
Facepiece, Full	D	100	2
Hood	CF	1,000	2
Suit	CF	(5)	(5)
B. <u>Self-Contained Breathing Apparatus (SCBA)</u>			
Facepiece, Full	D	100	2
Facepiece, Full	R	1,000	2
Facepiece, Full	PD	1,000	2
C. <u>Combination Respirator</u>			
Any combination of air-purifying and atmosphere-supplying respirator		Protection factor for type and mode of operation as listed above.	

- (1) NP: Negative Pressure (i.e., Negative Phase during Inhalation)
 CF: Continuous Flow
 PD: Pressure Demand (i.e., Always Positive Pressure)
 R: Recirculating
 D: Demand

(2) (a) For purposes of this authorization, the protection factor is a measure of the degree of protection afforded by a respirator, defined as the ratio of the concentration of airborne radioactive material outside the respiratory protective equipment to that inside the equipment (usually inside the facepiece) under conditions of use. It is applied to the airborne concentration to determine the concentration inhaled by the wearer, according to the following formula:

$$\text{Concentration Inhaled} = \frac{\text{Airborne Concentration}}{\text{Protection Factor}}$$

6.5 UNIT OPERATING RECORDS

6.5.1 Records and logs relative to the following items shall be retained for 6 years:

- a. Records of normal nuclear unit operation, including power levels and periods of operation at each power level.
- b. Records of principal maintenance activities, including inspection, repair, substitution or replacement of principal items of equipment pertaining to nuclear safety.
- c. Records of abnormal occurrences.
- d. Records of periodic checks, inspections and calibrations performed to verify that surveillance requirements are being met.
- e. Records of any special reactor test or experiments.
- f. Records of changes made in the Operating Procedures.
- g. Records of radioactive shipments.

6.5.2 Records relative to the following items shall be retained for the life of nuclear Units 3 and 4:

- a. Records and drawing changes reflecting nuclear unit design modifications made to the systems and equipment described in the FSAR.
- b. Records of new and spent fuel inventory, transfers of fuel, and assembly histories.
- c. Records of plant radiation and contamination surveys.
- d. Records of off-site radiological environmental monitoring surveys.
- e. Records of radiation exposure of all plant personnel, and others who enter radiation control areas.

- (b) The total estimated radioactivity (in curies) involved.
 - (c) The dates of shipment and disposition (if shipped off-site).
- (g) Environmental Radiological Monitoring
- (i) For each medium sampled e.g., air, baybottom, surface water, soil, fish including:
 - (a) Number of sampling locations
 - (b) Total number of samples
 - (c) Number of locations at which levels are found to be significantly above local backgrounds
 - (d) Highest, lowest, and the annual average concentrations or levels of radiation for the sampling point with the highest average and description of the location of that point with respect to the site.
 - (ii) If levels of radioactive materials in environmental media indicate the likelihood of public intakes in excess of 3% of those that could result from continuous exposure to the concentration values listed in Appendix B, Table II, Part 20, estimates of the likely resultant exposure to individuals and to population groups, and assumptions upon which estimates are based shall be provided.
 - (iii) If statistically significant variations of off-site environmental concentrations with time are observed, correlation of these results with effluent releases shall be provided.