

TO: Mr. Victor Stello FROM: Florida Power & Light Co
 Miami, Florida
 Robert E. Uhrig DATE OF DOCUMENT 7/26/77
 DATE RECEIVED 8/1/77

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DESCRIPTION ENCLOSURE
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 License No. DPR-31 & 41 Appl for Amend: tech specs proposed change concerning the updating of Specification 3.7 to be consistent with the "as-built" 125 v DC system as described in FSAR Section 8.2 (Rev. 32. & 33)....notorized 7/29/77....
 ACKNOWLEDGED
 PLANT NAME: Turkey Point Units 3 & 4
 RJL 8/2/77 (1-P) (3-P)

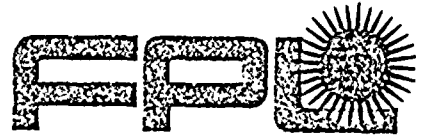
SAFETY	FOR ACTION/INFORMATION	ENVIRONMENTAL
ASSIGNED AD:		ASSIGNED AD: V. MOORE (LTR)
BRANCH CHIEF: (7) LEAR		BRANCH CHIEF:
PROJECT MANAGER:		PROJECT MANAGER:
LICENSING ASSISTANT:		LICENSING ASSISTANT:
		B. HARLESS

INTERNAL DISTRIBUTION			
REG FILES	SYSTEMS SAFETY	PLANT SYSTEMS	SITE SAFETY & ENVIRON ANALYSIS
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T & E (2)	SCHROEDER	BENAROYA	CRUTCHFIELD
OELD		LAINAS	
GOSSICK & STAFF	ENGINEERING	IPPOLITO	
HANAHER	KNIGHT	E. ROSA	ENVIRO TECH.
MTRC	BOSNAK		ERNST
CASE	SIHWELL	OPERATING REACTORS	BALLARD
BOYD	PAWLICKI	STELLO	YOUNGBLOOD
		EISENHUT	
PROJECT MANAGEMENT	REACTOR SAFETY	SHAO	SITE TECH.
SKOVHOLT	ROSS	BAER	
P. COLLINS	NOVAK	BUTLER	GAMMIL (2)
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MELTZ	CHECK		SITE ANALYSIS
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FLORIDA POWER & LIGHT COMPANY

July 26, 1977

L-77-234

Director of Nuclear Reactor Regulation
Attention: Mr. Victor Stello, Director
Division of Operating Reactors
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Stello:

Regulatory

File Cy-J

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Proposed Amendment to Facility
Operating Licenses DPR-31 and DPR-41



In accordance with 10 CFR 50.30, Florida Power & Light Company submits herewith three (3) signed originals and forty (40) copies of a request to amend Appendix A of Facility Operating Licenses DPR-31 and DPR-41.

The proposed changes update Specification 3.7 to be consistent with the "as-built" 125 v DC system as described in FSAR Section 8.2 (Rev. 32 and 33). The changes are described below and shown on the accompanying Technical Specification pages bearing the date of this letter in the lower right hand corner. The safety evaluation of this change was submitted as revisions 32 and 33 to the Turkey Point FSAR.

Page 3.7-1

Paragraph 1.e has been revised to reflect the added batteries and battery chargers.

Page B3.7-1

The next to last paragraph has been revised to reflect "as-built" operating conditions.

The proposed amendment has been reviewed by the Turkey Point Plant Nuclear Safety Committee and the Florida Power & Light Company Nuclear Review Board. They have concluded that it does not involve an unreviewed safety question.

Very truly yours,

Robert E. Uhrig
Vice President

REU/MAS/cpc
Attachment

cc: Mr. Norman C. Moseley, Region II
Robert Lowenstein, Esquire

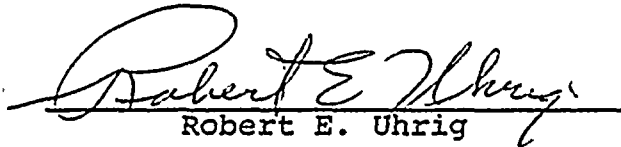
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STATE OF FLORIDA)
)
COUNTY OF DADE) ss.

Robert E. Uhrig, being first duly sworn, deposes and says:

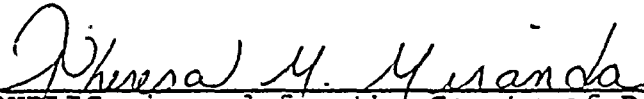
That he is a Vice President of Florida Power & Light Company,
the Licensee herein;

That he has executed the foregoing document; that the state-
ments made in this said document are true and correct to the
best of his knowledge, information, and belief, and that he
is authorized to execute the document on behalf of said
Licensee.

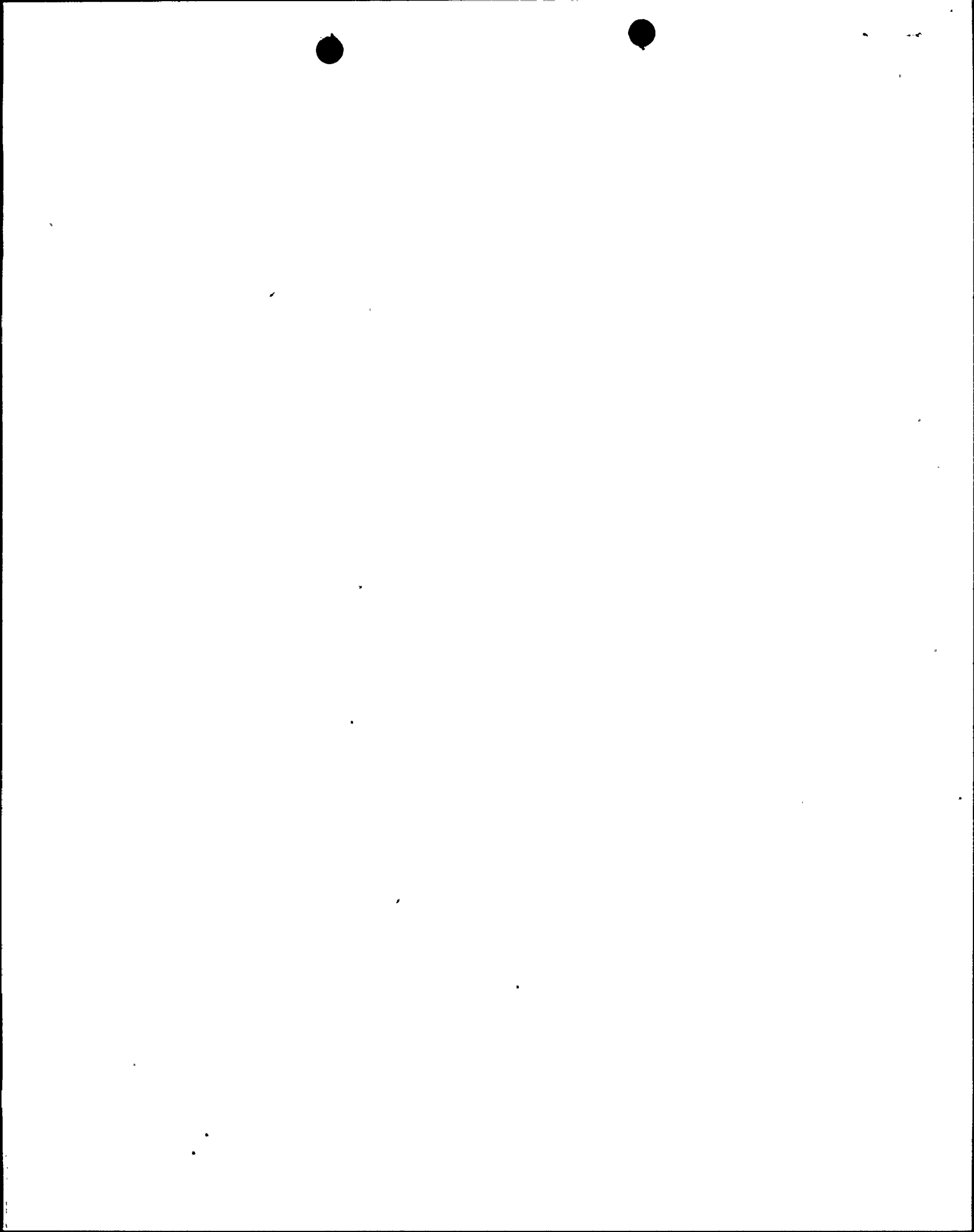

Robert E. Uhrig

Subscribed and sworn to before me this

29 day of July, 1977


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 MAY 5, 1981
BONDED THRU MAYNARD BONDING AGENCY



B3.7 BASES FOR LIMITING CONDITION FOR OPERATION, ELECTRICAL SYSTEMS

The electrical system equipment is arranged so that no single contingency can inactivate enough safety features to jeopardize unit safety. The 480-volt equipment is supplied from 4 load centers and the 4160-volt equipment is supplied from 2 busses for each nuclear unit.

Multiple outside sources supply power to the nuclear units. The auxiliary equipment is arranged electrically so that multiple items receive their power from the two different sources.

One outside source of power is required to give sufficient power to run normal operating equipment. One transmission line can supply all the auxiliary power. One 239-4.16 kv start up transformer can supply the auxiliary loads for its associated nuclear unit and emergency loads (MHA) for the other nuclear unit.

The bus arrangements specified for operation⁽¹⁾ ensure that power is available to an adequate number of safeguards auxiliaries. With additional switching, more equipment could be out of service without infringing on safety.

Each diesel generator has sufficient capacity to start and run the required engineered safeguards for a MHA in one unit and safe shutdown of the second unit. The minimum diesel fuel oil inventory at all times is maintained to assure the operation of either diesel carrying 168 hour rated load for seven days.

With 4 battery chargers in service, the batteries will always be at full charge in anticipation of a loss-of-ac power incident. This ensures that adequate dc power will be available for emergency use.⁽²⁾

A unit can be safely shutdown without the use of offsite power since all vital loads (safety systems, instruments etc.) can be supplied from an emergency diesel generator.

Reference:

(1) FSAR, Section 8.4

(2) FSAR, Section 8.2

Applicability: Applies to the availability of electrical power for the operation of auxiliaries.

Objective: To define those conditions of electrical power availability necessary (1) to provide for safe reactor operation, and (2) to provide for the continuing availability of engineered safety features.

- Specification:
1. Either reactor shall not be started from a cold shutdown without:
 - a. The associated 239 KV-4160 volt start-up transformer in service.
 - b. 4160-volt busses A and B of the associated unit, and either bus A or B of the second unit, energized.
 - c. THREE out of FOUR 480-volt load centers and 480-volt motor control centers A, B or C, and D of the associated unit energized.
 - d. TWO diesel generators operable with on site supply of 40,000 gallons of fuel available.
 - e. Four batteries and associated DC systems are operable with FOUR out of SIX battery chargers operable.
 2. During power operation or restarting from hot shutdown the following components may be inoperable:
 - a. ONE start-up transformer may be out of service provided both diesel generators are operable. The AEC shall be notified within 24 hours and be advised of plans to restore the transformer to service.