

# REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 7902060182 DOC. DATE: 79/01/31 NOTARIZED: YES DOCKET  
 FACIL: 50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000251  
 50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251  
 AUTH. NAME AUTHOR AFFILIATION  
 UHRIG, R.E. Florida Power & Light Co.  
 RECIP. NAME RECIPIENT AFFILIATION  
 STELLO, V. Division of Operating Reactors

SUBJECT: Submits required documents for amend of Appendix A of  
 Licenses DPR-31 & DPR-41, re deletion of Tech Spec 1.16.1,  
 which concerns fuel residence time limit. Also forwards SER  
 re proposed changes.

DISTRIBUTION CODE: A001S COPIES RECEIVED: LTR 3 ENCL 3 SIZE: 4  
 TITLE: GENERAL DISTRIBUTION FOR AFTER ISSUANCE OF OPERATING LIC

## NOTES:

ACTION:	RECIPIENT	COPIES		RECIPIENT	COPIES	
	ID CODE/NAME	LTTR	ENCL		ID CODE/NAME	LTTR
ACTION:	05 BC ORB #1	7	7			
INTERNAL:	01 REG FILE	1	1	02 NRC PDR	1	1
	12 I&E	2	2	14 TA/EDO	1	1
	15 CORE PERF BR	1	1	16 AD SYS/PROJ	1	1
	17 ENGR BR	1	1	18 REAC SFTY BR	1	1
	19 PLANT SYS BR	1	1	20 EEB	1	1
	21 EFLT TRT SYS	1	1	22 BRINKMAN	1	1
EXTERNAL:	03 LPDR	1	1	04 NSIC	1	1
	23 ACRS	16	16			

FEB 8 1979

TOTAL NUMBER OF COPIES REQUIRED: LTTR 38 ENCL 38



January 31, 1979  
L-79-25

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:

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 amendment is described below and shown on the accompanying Technical Specification page bearing the date of this letter in the lower right hand corner.

Page 1-6

Technical Specification 1.16.1 (Fuel Residence Time Limit) is deleted, for reasons discussed in the attached safety evaluation.  
Specification 1.16.2 is renumbered 1.16.

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  
Advanced Systems and Technology

REU/MAS/cpc

Attachment

cc: Mr. James P. O'Reilly, Region II  
Robert Lowenstein, Esquire

1001  
3/3

P

7902060182

#### 1.16 REACTOR COOLANT PUMPS

The reactor shall not be operated with less than three reactor coolant pumps in operation.

#### 1.17 LOW POWER PHYSICS TESTS

Low power physics tests are tests below a nominal 5% of rated power which measure fundamental characteristics of the reactor core and related instrumentation.

## SAFETY EVALUATION

Re: Turkey Point Units 3 & 4  
Proposed Tech Spec Change  
Fuel Residence Time

### I. Introduction

This evaluation supports a proposal to delete Technical Specification 1.16.1 (Fuel Residence Time Limit).

### II. Discussion

Technical Specification 1.16.1 limits the fuel residence times to 27,000 EFPH for Turkey Point Unit 3 and 30,000 EFPH for Unit 4. These restrictions were incorporated to assure that no clad flattening (collapse) would be predicted, according to the approved Westinghouse model, for the limiting initial core fuel regions.

Florida Power & Light Company requests that Technical Specification 1.16.1 be deleted. The allowable fuel residence time for no clad flattening is a reload cycle dependent value which considers fuel design, fuel burnup and the core operating environment. For example, Unit 3 has a predicted clad flattening time in excess of 50,000 EFPH for Cycle 5 (no initial core fuel), and Unit 4 has a 34,000 EFPH value for Cycle 5. Both units satisfy Technical Specification 1.16.1 for the present Cycle 5 operations. However, this specification can be unnecessarily restrictive on allowable fuel burnups in future reload cycles.

A fuel residence time Technical Specification limit is not needed since each fuel region is checked during a reload design process to assure that clad flattening is not predicted. Further, for each reload cycle our Turkey Point Plant Nuclear Safety Committee reviews and approves the Reload Safety Evaluation (RSE) report, which documents that clad flattening is not predicted during the upcoming cycle. It is noted that most operating plants do not have fuel residence time limitations based on clad flattening, but these plants do assure that a no-clad-flattening design basis is satisfied as a result of the reload design process and review.

### III. Conclusions


Based on the considerations discussed above, (1) 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, (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.

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

31 day of January, 1979

Betty Brittain  
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 MARCH 27, 1982  
BONDED THRU MAYNARD BONDING AGENCY

