REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:7905310305 DOC.DATE: 79/05/25 NOTARIZED: NO DOCKET #
FACIL:50-335 ST. LUCIE PLANT, UNIT 1, FLORIDA POWER & LIGHT CO. 05000335
AUTH.NAME AUTHOR AFFILIATION
UHZIG,R.E. FLORIDA POWER & LIGHT CO.
RECIP.NAME RECIPIENT AFFILIATION
REID,R.W. OPERATING REACTORS BRANCH 4

SUBJECT: SUBMITS INFO IN RESPONSE TO NRC REQUEST,ZERO POWER PHYSICS TESTS AFTER RELOAD PERFORMED ACCORDING TO PROCEDURES,REVIEW CRITERIA WILL BE ESTABLISHED,EVALUATION OF DIFFERENCE IN INDIVIDUAL ASSEMBLIES POWER TO BE SENT IN TWO WEEKS.

DISTRIBUTION CODE: A027S COPIES RECEIVED:LTR 1 ENCL 0 SIZE: 2
TITLE: REACTOR STARTUP TEST REPORT

NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTTR	COPIES ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR	COPIES ENCL
ACTION:	05 BC ORB#4	2	2	LA	1	0
INTERNAL:	01 REG FILE	1		02 NRC PDR	1	
	07 I&E	2	2	09 MPA	1	
	10 TECH AST EDO	1		11 PLANT SYS BR	1	
	12 EEB	1		13 REAC SFTY BR	2	2
	15 CORE PERF BR	1		16 OAB	1	
EXTERNAL:	03 LPDR	1		04 NSIC	1	
	17 ACRS	1				

JUN 1 1979

MA 4

TOTAL NUMBER OF COPIES REQUIRED: LTTR 18 ENCL 20

GD

O. BOX 529100, MIAMI, FL 33152

FLORIDA POWER & LIGHT COMPANY

May 25, 1979
L-79-140

Office of Nuclear Reactor Regulation
Attention: Mr. R. W. Reid, Chief
Operating Reactors Branch #4
Division of Operating Reactors
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Reid:

REGULATORY DOCKET FILE COPY

Re: St. Lucie Unit 1
Docket No. 50-335
Startup Testing (Cycle 3)

The following information is submitted in response to a request from your staff:

The total group measured CEA worth for all regulating banks must be within ±10% of total design worth. If the total worth is more than 10% above the design worth, FRG review and disposition is required. If the total worth is more than 10% below the design worth, shutdown bank B is measured. If the acceptance criteria (for all regulating banks plus shutdown bank B) is still not met, an evaluation by the NSSS vendor is requested with final review and disposition to be made by the FRG.

Zero Power Physics Tests After Reload are performed in accordance with plant operating procedures. The test results are reviewed and approved by the Reactor Engineering Supervisor and the Facility Review Group prior to entering Mode 1 operation (>5% power). The review and approval encompasses any retests or analyses that are performed as a result of exceeding acceptance criteria. In essence, the zero power physics test results, including the basic program and any additional testing or analyses determined to be necessary, must be satisfactory before Mode 1 operation is allowed.

Review criteria will be established for the Cycle 3 100% power distribution tests (at equilibrium conditions). If the difference between measured and predicted power in individual assemblies is not within:

1) ±10% of predicted if assembly power is >.9 average power, or

REGULATORY DOCKET FILE COPY

7905310305

A027
S 1/0

2) ±15% of predicted if assembly power is ≤.9 average power,

an evaluation will be completed within approximately 2 weeks to determine the reason for the difference.

Very truly yours,

Robert E. Uhrig
Vice President
Advanced Systems & Technology

REU/MAS/cph

cc: Mr. James P. O'Reilly, Region II
Harold F. Reis, Esquire