

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8307150231 DOC DATE: 83/07/07 NOTARIZED: NO DOCKET #
 FACIL: 50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co. 05000389
 AUTH. NAME AUTHOR AFFILIATION
 UHRIG, R.E. Florida Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 EISENHUT, D.G. Division of Licensing

SUBJECT: Application for amend to License NPF-16, revising License Condition 2.C.7 re natural circulation cooldown & boron mixing test. Safety evaluation encl.

DISTRIBUTION CODE: B001S COPIES RECEIVED: LTR 71 ENCL 71 SIZE: 4
 TITLE: Licensing Submittal: PSAR/FSAR Amdts & Related Correspondence

NOTES:

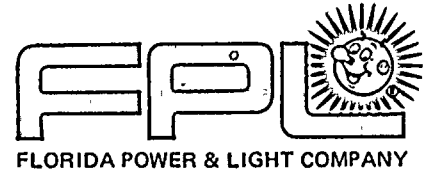
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July 7, 1983
L-83-385

Office of Nuclear Reactor Regulation
Attention: Mr. Darrell G. Eisenhut, Director
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Eisenhut:

Re: St. Lucie Unit No. 2
Docket No. 50-389
Proposed License Amendment
License Condition 2.C.7

In accordance with 10 CFR 50.90, Florida Power & Light Company submits herewith three signed originals and forty copies of a request to amend License Condition 2.C.7 of Facility Operating License NPF-16.

This amendment is submitted to revise License Condition 2.C.7. to read,

7. Natural Circulation Cooldown and Boron Mixing Test (Section 5.4.3, SSER 4)

Prior to restart following the first refueling outage, the licensees shall either a) provide a report of the San Onofre Unit 2 test justifying that the test data is applicable to St. Lucie 2 assuring adequate boron mixing during natural circulation cooldown or b) perform the test to demonstrate adequate boron mixing during natural circulation cooldown.

Florida power & Light Company believes this to be justified as indicated in the attached safety evaluation.

In accordance with 10 CFR 50.91(b)(1), a copy of this proposed license amendment is being forwarded to the State Designee for the State of Florida.

In accordance with 10 CFR 50.91(a)(1), we have determined that this amendment does not involve any significant hazards considerations pursuant to 10 CFR 50.91(c) in that the amendment is administrative in nature and therefore does not:

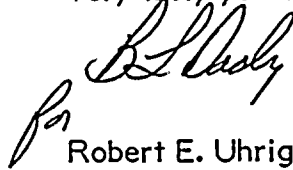
- 1) involve a significant increase in the probability or consequences of an accident previously evaluated; or
- 2) create the possibility of a new or different kind of accident from any accident previously evaluated; or
- 3) involve a significant reduction in a margin or safety.

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Office of Nuclear Reactor Regulation
Mr. Darrell G. Eisenhut, Director

The proposed amendment has been reviewed by the St. Lucie Facility Review Group and the Florida Power & Light Company Nuclear Review Board.

Very truly yours,



Robert E. Uhrig
Vice President
Advanced Systems & Technology

REU/JEM/cab

Attachment

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

Mr. Uray Clark, Administrator
Radiation Health Services
Department of Health and
Rehabilitative Services
1323 Winewood Boulevard
Tallahassee, Florida 32301

Safety Evaluation

The St. Lucie Unit No. 2 Operating License, NPF-16, license condition 2.C.7 requires that prior to completing the startup test program, either a) provide a report of the San Onofre Unit 2 Natural Circulation Cooldown and Boron Mixing Test justifying that the test data is applicable to St. Lucie Unit 2 assuring adequate boron mixing during natural circulation cooldown or b) perform the test to demonstrate adequate boron mixing during natural circulation cooldown.

Florida Power and Light Company (FPL) expects the San Onofre test data to be applicable to St. Lucie. Furthermore, Combustion Engineering, the St. Lucie NSSS vendor, has stated that they believe the test being planned for San Onofre is prototypical for St. Lucie Unit 1 and 2 and that the test results will be applicable to the St. Lucie plant. Therefore, FPL has not planned on performing the test, and as a result, test procedures have not been prepared and analysis or equipment developed for performing the test.

Due to recent delays, it appears unlikely that the San Onofre test will be completed prior to completion of the St. Lucie Unit 2 startup test program. Therefore, FPL is requesting that the requirement "prior to completing the startup test program" be changed to "prior to restart following the first refueling outage".

FPL believes this change to be justified for the following reasons:

- 1) The natural circulation cooldown event which occurred at St. Lucie Unit 1 in 1977 demonstrated that the operators were able to borate the reactor coolant system and shut down the plant without endangering the health and safety of the public. St. Lucie Unit 2 is essentially identical to St. Lucie Unit 1, and therefore, FPL has confidence in the plant procedures and systems, such that similar results would be expected on St. Lucie Unit 2. Furthermore, FPL believes that the results of the St. Lucie Unit 1 natural circulation cooldown event provide reasonable assurance that St. Lucie Unit 2 could perform natural circulation cooldown with adequate boron mixing using only safety grade equipment.
- 2) During post core load functional testing at St. Lucie Unit 2, operator training was conducted on natural circulation cooldown.
- 3) It appears that the San Onofre test may be performed in August 1983. Assuming adequate time for data acquisition and analysis, the results could possibly be available by the end of 1983. This would not be a significant postponement of the current license condition.
- 4) FPL will perform the test at St. Lucie Unit 2 if San Onofre has not completed the test by the first refueling outage at St. Lucie Unit 2. Should there be a need to perform the test at St. Lucie Unit 2, sufficient time would be available to develop plans and procedures, to provide operator training, and to facilitate NRC review.
- 5) FPL concludes that this change to the license condition will not cause undue risk to the public health and safety.


Based on the above, FPL is requesting that license condition 2.C.7 be changed as indicated.

STATE OF FLORIDA)
) ss.
COUNTY OF PALM BEACH)

 B. L. Dady , being first duly sworn, deposes and says:

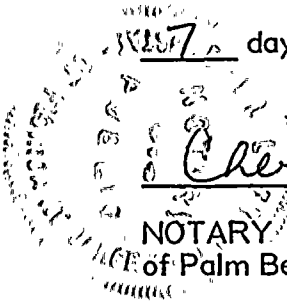
That he is Vice President of Florida Power & Light Company, the Licensee herein;

That he has executed the foregoing document; that the statements made in this 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.



B. L. Dady

Subscribed and sworn to before me this
 17 day of July , 19 83 .


 Cheryl T. Fredrick
NOTARY PUBLIC, in and for the County
of Palm Beach, State of Florida.

My commission expires:
Notary Public, State of Florida at Large
My Commission Expires October 30, 1983
Bonded thru Maynard Bonding Agency

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