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 FACIL: 50-389 St, Lucie Plant, Unit 2, Florida Power & Light Co.  
 AUTH. NAME: WILLIAMS, J.W. AUTHOR AFFILIATION: Florida Power & Light Co.  
 RECIP. NAME: EISENHUT, D.G. RECIPIENT AFFILIATION: Division of Licensing

APR DOCKET # 05000389

SUBJECT: Application to amend License NPF-16, changing Tech Specs to permit reracking of spent fuel pool to ensure sufficient storage capacity. Approval requested by 840901.

*see rpt*

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*W/Check \$4,000 #52360*

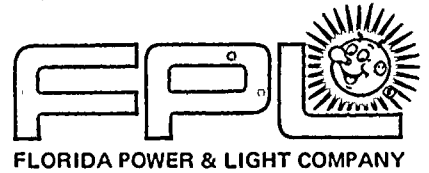
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CONFIDENTIAL - SECURITY INFORMATION



March 13, 1984  
L-84-47

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  
Spent Fuel Pool Rerack

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

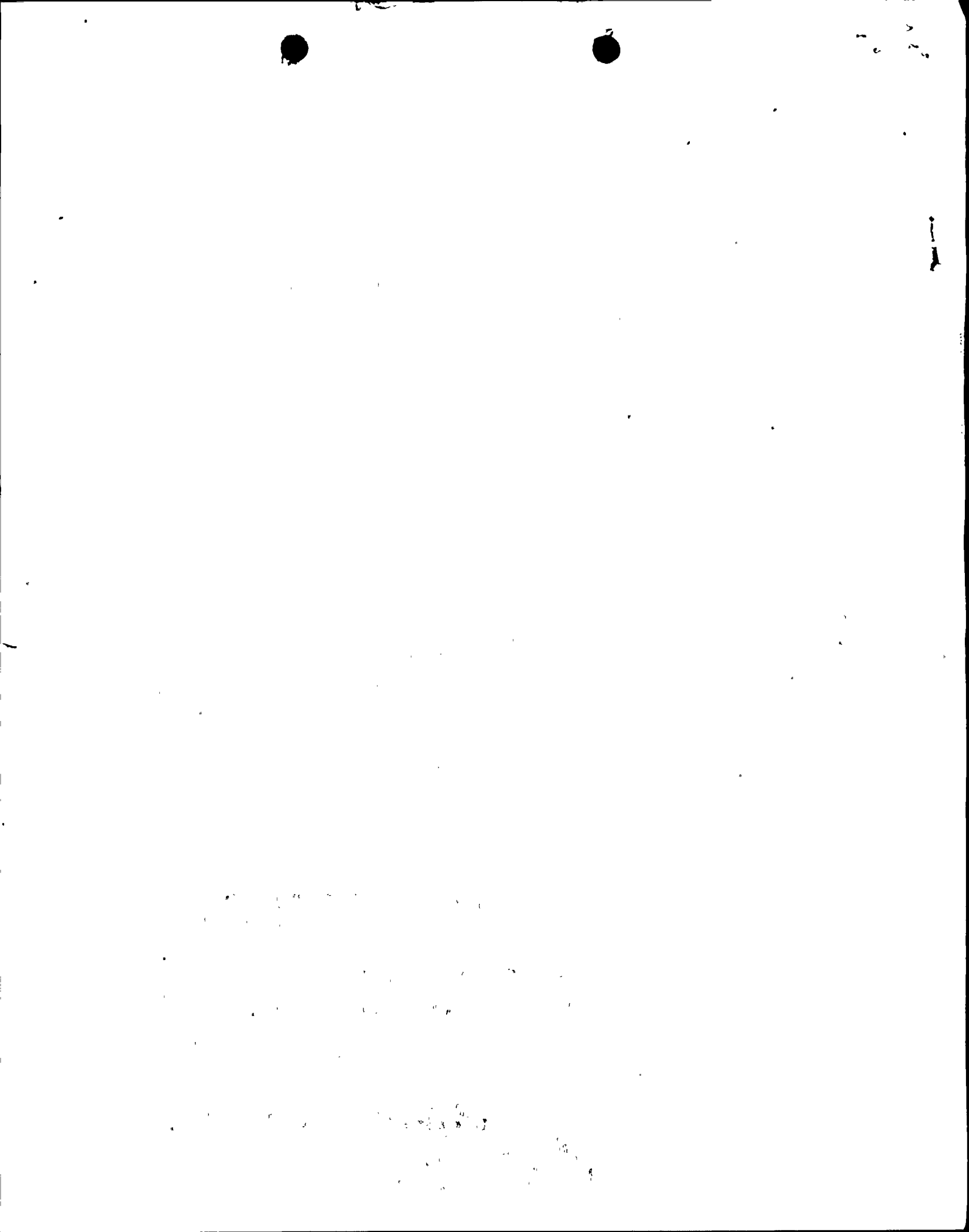
This amendment is requested to permit reracking the spent fuel pool to ensure that sufficient capacity continues to exist for storage of spent fuel at St. Lucie Unit 2.

The proposed Technical Specification amendment is described below and shown on the accompanying Technical Specification page 5-4.

1. Specification 5.6.1a. is changed to indicate the total uncertainty value applied to the value of  $K_{eff}$  for the new storage racks, and to delete the FSAR reference. The FSAR section will be updated as required per 10 CFR 50.71(e)(3)(i).
2. Specification 5.6.1b. is changed to show the nominal center-to-center distance for the new storage racks.
3. Specification 5.6.1c. is added to specify the required boron concentration for the spent fuel pool.
4. Specification 5.6.1 is changed to delete the statement regarding dry storage of new fuel for the first core. This statement is no longer applicable.
5. Specification 5.6.1 is changed to add a statement defining the enrichment/burnup requirements for storage of fuel in each region of the fuel pool.
6. Specification 5.6.3 is changed to show the capacity of the new storage racks.

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PDR ADDCK	05000389
P	PDR

*Pool w/ check \$4,000 #52360*  
*3/14/80*



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Office of Nuclear Reactor Regulation  
Mr. Darrell G. Eisenhut, Director  
Division of Licensing  
U. S. Nuclear Regulatory Commission

The safety analysis justifying the Spent Fuel Pool Rerack and the proposed Technical Specifications is attached.

In accordance with 10 CFR 50.91(a)(1), it has been determined that the proposed amendment does not involve any significant hazards considerations pursuant to 10 CFR 50.92. The No Significant Hazards Considerations determination is attached.

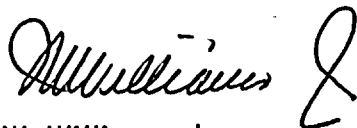
In accordance with 10 CFR 50.91(b)(1) a copy of the proposed amendment is being forwarded to the State Designee for the State of Florida.

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

The proposed amendment has been determined to be a Class III amendment, and in accordance with 10 CFR 170.22, a check for \$4,000.00 is attached.

It is requested that NRC approve the rerack and proposed Technical Specifications no later than September 1, 1984. This request is made in the interest of ALARA and safety considerations. That is, there is currently no spent fuel in the St. Lucie Unit 2 spent fuel pool. The pool is clean and dry and installation of the new racks can be performed without undue exposure to radiation or the possibility of a construction accident with respect to nuclear criticality or radioactive release. For these reasons Florida Power & Light Company believes that NRC's efforts to meet the September 1, 1984 schedule are justified.

Very truly yours,



J. W. Williams, Jr.  
Vice President  
Nuclear Energy

JWW/RJS/cab

Attachments

cc: J. P. O'Reilly  
Regional Administrator, Region II  
U. S. Nuclear Regulatory Commission  
101 Marietta Street, N.W., Suite 2900  
Atlanta, GA 30303

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

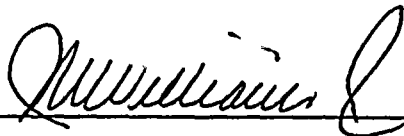


STATE OF FLORIDA     )  
                                  )     ss.  
COUNTY OF DADE     )

J. W. Williams, Jr., being first duly sworn, deposes and says:

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

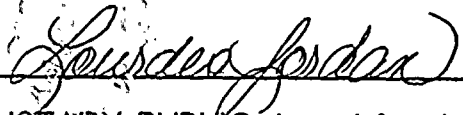
That he has executed the foregoing document; that the statements made in this document are true and correct to the best of his knowledge, information, and belief, and that he is authorized to execute the document on behalf of said Licensee.



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J. W. Williams, Jr.

Subscribed and sworn to before me this  
14th day of March, 1984.



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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 DEC 8 1984  
BONDED THRU GENERAL INS. UNDERWRITERS

