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 FACIL:50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co.      05000389  
 AUTH.NAME      AUTHOR AFFILIATION  
 CONWAY,W.F.      Florida Power & Light Co.  
 RECIPIENT AFFILIATION  
 Document Control Branch (Document Control Desk)

SUBJECT: Application for amend to License NPF-16, expansion of high trip setpoint to achieve local power density.

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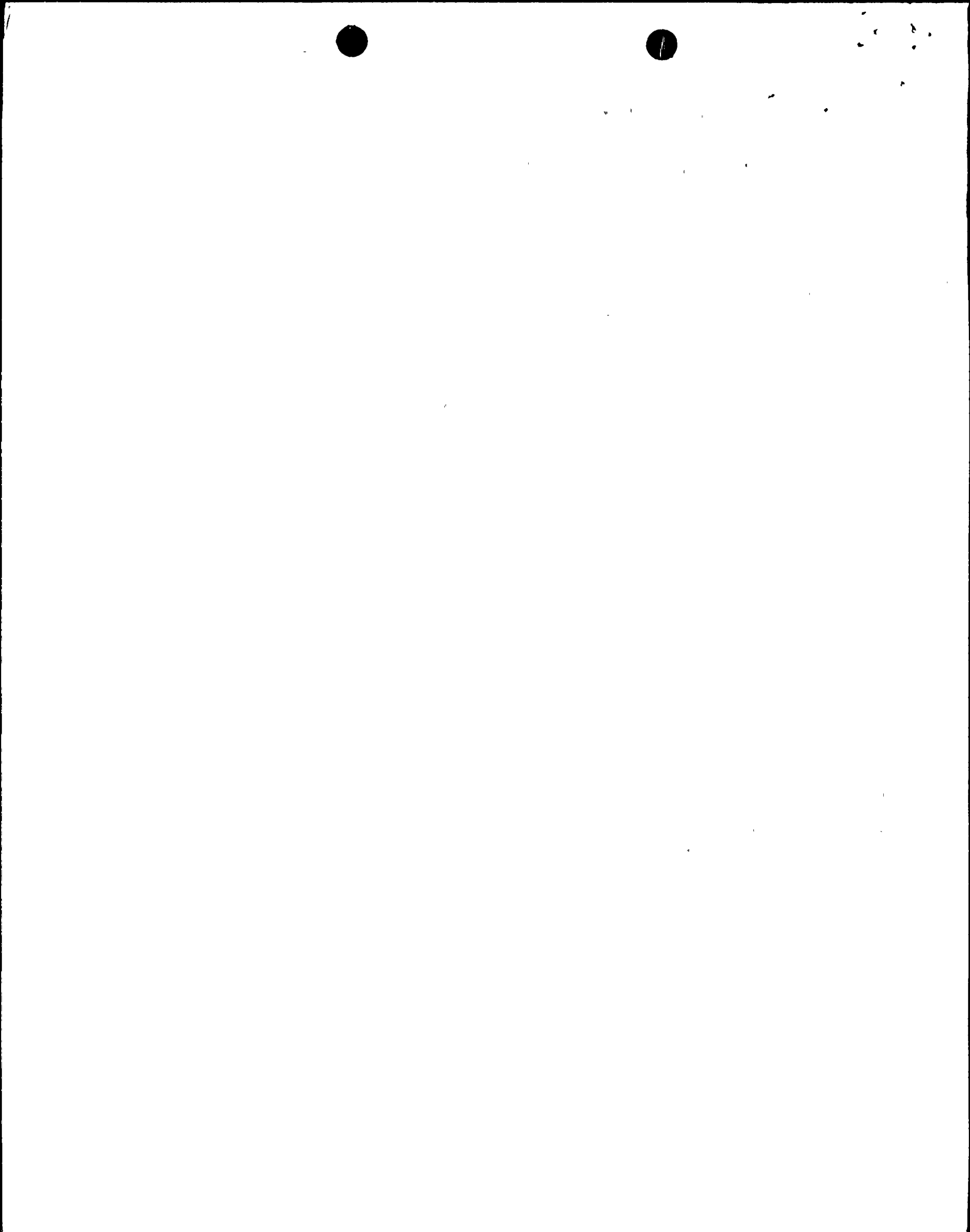
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OCTOBER 24 1988

L-88-461  
10 CFR 50.36  
10 CFR 50.90

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D. C. 20555

Gentlemen:

Re: St. Lucie Unit 2  
Docket No. 50-389  
Proposed License Amendment  
Local Power Density - High Trip Setpoint

In accordance with 10 CFR 50.90, Florida Power & Light Company (FPL) submits herewith a request to amend Facility Operating License NPF-16.

To achieve greater operational flexibility at lower power, expansion of the Departure from Nucleate Boiling (DNB) and Linear Heat Rate (LHR) related Axial Shape Index (ASI) limits for the Limiting Conditions for Operation (LCOs), and the LHR-related Limiting Safety System Setpoints (LSSSs) is proposed. The proposed changes revise Figure 2.2-2 of Technical Specification 2.2.1, Figure 3.2-2 of Technical Specification 3/4.2.1, and Figure 3.2-4 of Technical Specification 3/4.2.5.

Marked up copies of the affected Technical Specification pages are included as Attachment 1. A Safety Analysis in support of the proposed amendment is included as Attachment 2. A "Determination of No Significant Hazards Consideration" is provided as Attachment 3.

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

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.

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U. S. Nuclear Regulatory Commission  
L-88-461  
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In accordance with 10 CFR 170.21, FPL Check No. 9491 is attached as remittance for the license amendment application fee.

Please contact us if you have any questions about this submittal.

Very truly yours,



W. F. Conway  
Senior Vice President - Nuclear

WFC/EJW/cm

Attachments

cc: Malcolm L. Ernst, Acting Regional Administrator, Region II, USNRC  
Senior Resident Inspector, USNRC, St. Lucie Plant  
Mr. Jacob Nash, Florida Dept. of Health and Rehabilitative Services

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

W. F. Conway being first duly sworn, deposes and says:

That he is Senior Vice President- Nuclear 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.

W. F. Conway  
W. F. Conway

Subscribed and sworn to before me this

24 day of October, 1988.

Roberta S. Economy

NOTARY PUBLIC, in and for the County  
of Palm Beach, State of Florida

My Commission expires: \_\_\_\_\_

Notary Public, State of Florida  
My Commission Expires June 1, 1989  
Bonded Thru Troy Fala - Insurance, Inc.

STATE OF TEXAS  
COUNTY OF [illegible]  
[illegible]  
[illegible]