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 FACIL: 50-335 St. Lucie Plant, Unit 1, Florida Power & Light Co.      05000335  
 50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co.      05000389  
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 SAGER, D.A.      Florida Power & Light Co.  
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SUBJECT: Submits 10CFR50.46, "Acceptance Criteria for ECCS in Light Water Nuclear Power Reactor" annual rept. One change reported per 10CFR50.90 & no errors identified during period of Jan-Dec 1992.

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July 1, 1993

L-93-142  
10 CFR 50.46

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

Re: St. Lucie Units 1 and 2  
Docket Nos. 50-335 and 50-389  
10 CFR 50.46, "Acceptance Criteria for  
Emergency Core Cooling Systems in Light  
Water Nuclear Power Reactor" - Annual Report

This report is being sent pursuant to 10 CFR 50.46 (a)(3)(ii). One change, reported under 10 CFR 50.90, and no errors were identified during the period of January 1, 1992, to December 31, 1992, for the limiting ECCS events at St. Lucie Units 1 and 2. The ECCS limiting transient suppliers for St. Lucie Units 1 and 2 are Siemens Power Corporation and ABB-Combustion Engineering, respectively.

Only the St. Lucie Unit 2 small break LOCA was re-analyzed during the current report period. The analysis was performed to support the Unit 2 safety injection tank minimum pressure reduction Technical Specification change. The results of this analysis were submitted to the NRC in accordance with 10 CFR 50.90 and the Technical Specification change was approved by license amendment no. 58. Although the peak clad temperature increased over the previous analysis, the large break LOCA is still the limiting LOCA event. The codes used in this LOCA calculation were modified for use on work stations rather than on a mainframe computer system. The overall change in peak clad temperature due to this conversion was less than 1 degree Fahrenheit.

Should there be any questions, please contact us.

Very truly yours,

*D.A. Sager*  
*By H.G. Boney*  
D. A. Sager  
Vice President  
St. Lucie Plant

DAS:JJB:kw

cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC  
Senior Resident Inspector, USNRC, St. Lucie Plant

DAS/PSL #926-93

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