



Florida Power & Light Company, 6501 S. Ocean Drive, Jensen Beach, FL 34957

February 28, 2011

L-2011-064
10 CFR 50.36
10 CFR 50.36a

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
2010 Annual Radioactive Effluent Release Report

Enclosed is the 2010 Annual Radioactive Effluent Release Report for St. Lucie Units 1 and 2. This report is being sent pursuant to 10 CFR 50.36a(a)(2) and Technical Specification (TS) 6.9.1.7. The report is for the 12-month period beginning January 1, 2010 and ending December 31, 2010.

Enclosure 1 is information for the ground water protection program. Enclosure 2 is a copy of C-200, Offsite Dose Calculation Manual (ODCM) Revision 34. Enclosure 3 is a copy of the marked up pages from Revision 33 of the ODCM.

Please contact us with any questions regarding this submittal.

Sincerely,

A handwritten signature in black ink that reads "Eric S. Katzman". The signature is written in a cursive, somewhat stylized font.

Eric S. Katzman
Licensing Manager
St. Lucie Plant

ESKJ/tlt

Enclosures

JE48
A009
HRL