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 FACIL: 50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co.    05000389  
 AUTH. NAME    AUTHOR AFFILIATION  
 WILLIAMS, J.W.    Florida Power & Light Co.  
 RECIP. NAME    RECIPIENT AFFILIATION  
 MILLER, J.R.    Operating Reactors Branch 3

SUBJECT: Advises that intake structure pump encl fan housing & condensate storage tank vent hood housing modified, per SSER 2 (NUREG-0843). Reactor auxiliary bldg sliding door satisfies NRC allowable ductility factor.

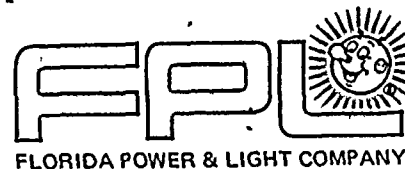
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November 29, 1984  
L-84-343

Office of Nuclear Reactor Regulation  
Attention: Mr. James R. Miller, Chief  
Operating Reactors Branch, #3  
Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Miller:

Re: St. Lucie Unit No. 2  
Docket No. 50-389  
Tornado Missile Protection

The St. Lucie Unit 2 Safety Evaluation Report (NUREG-0843) Supplement No. 2, Section 3.5.3 identified three structures requiring strengthening because the design ductility ratio was greater than that allowed by the NRC staff. Two of these structures, the Intake Structure Pump enclosure fan housing and the Condensate Storage Tank vent hood housing, were modified as required. The third structure, the Reactor Auxiliary Building sliding door, was not modified because the certified material test report for the structural member in question specified an actual yield stress of 59 ksi, rather than the 50 ksi assumed in the original design. Therefore, the unmodified structure satisfies the NRC staff's allowable ductility factor, and no modification was necessary.

Very truly yours,

*for J. W. Williams, Jr.*  
J. W. Williams, Jr.  
Group Vice President  
Nuclear Energy

JWW/RJS/kgn

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