

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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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  
 AUTH. NAME    AUTHOR AFFILIATION  
 WILLIAMS, J.W.    Florida Power & Light Co.  
 RECIP. NAME    RECIPIENT AFFILIATION  
 THOMPSON, H.L.    Division of Licensing

SUBJECT: Submits test info re TEC Model 159 isolator module omitted from 850114 submittal concerning DBE testing of isolation devices used in SPDS. Integrity of isolation boundary would be maintained if max credible fault occurred.

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NOTES:    05000335  
 OL: 02/01/76  
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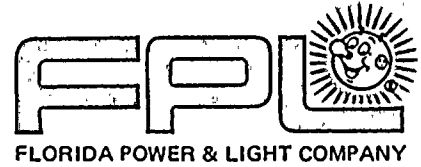
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L-85-137

Office of Nuclear Reactor Regulation  
Attention: Mr. Hugh L. Thompson, Director  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Thompson:

Re: St. Lucie Unit Nos. 1 & 2  
Docket Nos. 50-335 & 50-389  
SPDS Implementation Plan and  
Parameter Selection Report

In FPL letter L-85-19 dated January 14, 1985, Florida Power & Light Company (FPL) provided information regarding DBE testing of isolation devices used in the Safety Parameter Display System (SPDS) at both St. Lucie and Turkey Point Plants. It was later identified by the staff's reviewer that no test information was provided in our January 14, 1985 submittal regarding TEC's Model 159 isolator module, which is used in the St. Lucie Plant SPDS.

The Model 159 isolator was tested in essentially the same configuration as that used for the Models described in FPL letter L-85-19 (see Figure 1). 120 VAC was applied in the transverse mode across the non-IE outputs of the isolator. An oscilloscope was hooked up at the IE input side of the isolator to monitor perturbations. Results of the test showed an initial perturbation of about .3 volts peak for about 200 micro seconds (beginning to end of pulse). No other perturbations were observed.

FPL concludes that the integrity of the isolation boundary would be maintained should a maximum credible fault occur during system operation.

Very truly yours,

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

JWW/cab

Attachment

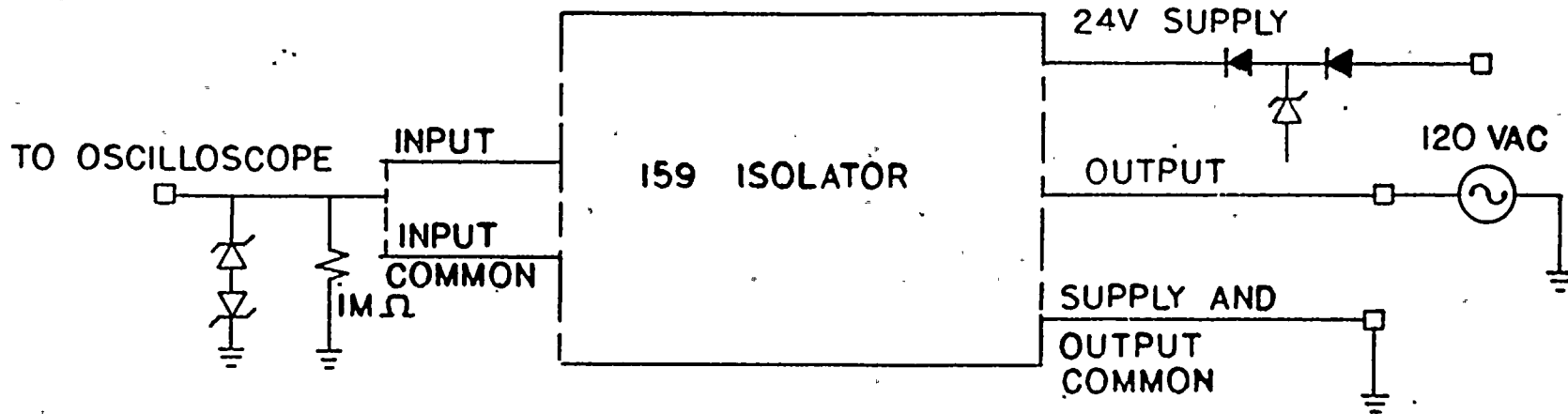
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**FIGURE 1**  
**MODEL 159 ISOLATOR MODULE**  
**TEST SETUP**

FLORIDA POWER & LIGHT COMPANY  
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 SCALE