

# REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8305100103 DOC. DATE: 83/05/05 NOTARIZED: NO  
 FACIL: 50-335 St. Lucie Plant, Unit 1, Florida Power & Light Co.  
 AUTH. NAME: UHRIG, R.E. AUTHORITY AFFILIATION: Florida Power & Light Co.  
 RECIP. NAME: CLARK, R.A. RECIPIENT AFFILIATION: Operating Reactors Branch 3

DOCKET #  
05000335

SUBJECT: Forwards info justifying continued operation w/electrical equipment in Item 114 per 830421 ltr. All other items listed in Category II, B of Franklin Research Ctr technical evaluation replaced w/qualified transmitters.

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 TITLE: OR/Licensing Submittal: Equipment Qualification

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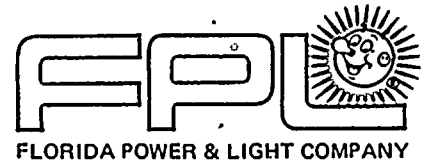
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May 5, 1983  
L-83-285

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

Dear Mr. Clark:

Re: St. Lucie Unit 1  
Docket No. 50-335  
Environmental Qualification of  
Safety-Related Electrical Equipment

In response to your letter dated April 21, 1983, regarding justification for continued operation for items in NRC Category II.B of the Franklin Research Center's Technical Evaluation Report, except for item #114, all other items listed in Category II.B (Fisher and Porter transmitters) have been replaced with qualified transmitters. We have prepared information justifying continued operation with the electrical equipment in Item #114. This information is attached.

Should you or your staff have any questions on this information, please contact us.

Very truly yours,

Robert E. Uhrig  
Vice President  
Advanced Systems & Technology

REU/PLP/cab

Attachments

cc: Mr. James P. O'Reilly, Region II  
Harold F. Reis, Esquire

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Item #114

Component: Pressure Transmitter

Identification No: PT-07-2A, PT-07-2B, PT-07-2C, PT-07-2D

Function: Provide pressure signal from containment.

Analysis:

1) Loss of Coolant Accident

The containment pressure transmitters provide an input to protection logic to initiate the ESFAS. These signals are generated within a few seconds after an accident and will perform their function before environmental conditions will cause a failure. This very short time frame provides reasonable assurance that they will fulfill their function.

2) High Energy Line Break

The containment pressure transmitters provide an input to protection logic to initiate the ESFAS. These signals are generated within a few seconds after an accident and will perform their function before environmental conditions will cause a failure. This very short time frame provides reasonable assurance that they will fulfill their function.

Conclusions:

Interim operation of St. Lucie Unit #1 with the existing containment pressure transmitters is justified for the following reasons:

- a) The protection system signals are initiated within a few seconds after the accident and are no longer needed.
- b) There are four redundant transmitters inside containment.



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