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REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS) DISTRIBUTION FOR INCOMING MATERIAL 50-335	
REC: REID R W ORG: UHRIG NRC FL PWR &	R E DOCDATE: 05/19/78 LIGHT DATE RCVD: 05/24/78
DOCTYPE: LETTER NOTARIZED: NO COPIES RECEIVED SUBJECT: RESPONSE TO NRC LTR DTD 05/17/78FURNISHING INFO CONCERNING RESISTANCE TEMPERATURE DETECTOR RESPONSE TIMES OF SUBJECT FACILITY, AND ADVISING STATUS REPT ALONG WITH THE FIRST SURVEILLANCE TEST RESULTS RE SUBJECT, WILL BE SUBMITTED BY 12/01/78.	
PLANT NAME: ST LUCIE #1	REVIEWER INITIAL: XJM. . DISTRIBUTOR INITIAL: DU

GENERAL DISTRIBUTION FOR AFTER ISSUANCE OF OPERATING LICENSE. (DISTRIBUTION CODE A001)	
FOR ACTION: BR CHIEF REID**LTR ON	ILY(7)
INTERNAL: REG_EILE**LTR_ONLY(1) I & E**LTR_ONLY(2) HANAUER**LTR_ONLY(1) EISENHUT**LTR_ONLY(1) BAER**LTR_ONLY(1) EEB**LTR_ONLY(1) J. MCGOUGH**LTR_ONLY(1)	<pre>> NRC FDR**LTR ONLY(1) OELD**LTR ONLY(1) CHECK**LTR ONLY(1) SHAO**LTR ONLY(1) BUTLER**LTR ONLY(1) J COLLINS**LTR ONLY(1) 1)</pre>
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FLORIDA POWER & LIGHT COMPANY

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May 19, 1978 L-78-180

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Office of Nuclear Reactor Regulation Attention: Mr. R. W. Reid, Chief Operating Reactors Branch #4 Division of Operating Reactors U. S. Nuclear Regulatory Commission Washington, D. C. 20555

Dear Mr. Reid:

Re: St. Lucie Unit No. 1 Docket No. 50-335 Resistance Temperature Detector (RTD) Response Times

Your letter of May 17, 1978, requested that FPL provide information to show that the RTD time constant will not exceed 8 seconds during the test interval of 18 months and to demonstrate the validity of the Loop Current Step Response testing methodology.

As suggested in your letter, and based upon the discussion held with your staff on May 19, 1978, in which certain testing requirements were specified, we understand that the following combination of RTD replacement, increased testing frequency for all RTD's, and comparative methodological testing is acceptable:

- 1. Replacement of the 4 RTD's which were LCSR-tested in January 1978 with available spares.
- Comparative testing of the 4 replaced RTD's, along with 4 new ones to be procured during Cycle 2, using both the previously accepted plunge test method and the LCSR method at both cold (170°F) conditions and, to the extent practicable, hot (540°F) conditions.

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Mf. R. W. Reid Page Two

3. Surveillance testing of all 16 safety-related RTD's using the LCSR method within 6 months and 12 months after Cycle 2 startup.

It is our commitment to complete the actions described above during Cycle 2. We expect to have some results from the comparative test program in approximately 6 months and will submit a status report, along with the first surveillance test results, by December 1, 1978.

Very truly yours,

Robert E. Uhrig

Vice President

REU:MAS:sl

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