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 AUTH.NAME      AUTHOR AFFILIATION  
 UHRIG,R.E.      FLORIDA POWER & LIGHT CO.  
 RECIP.NAME      RECIPIENT AFFILIATION  
 REID,R.W.      OPERATING REACTORS BRANCH 4

SUBJECT: FORWARDS STARTUP TESTING INGO AS SUPPL TO CYCLE 3 RELOAD  
 SAFETY EVALUATION.

DISTRIBUTION CODE: A027S      COPIES RECEIVED:LTR 3 ENCL 3      SIZE: 2  
 TITLE: REACTOR STARTUP TEST REPORT.

NOTES: \_\_\_\_\_

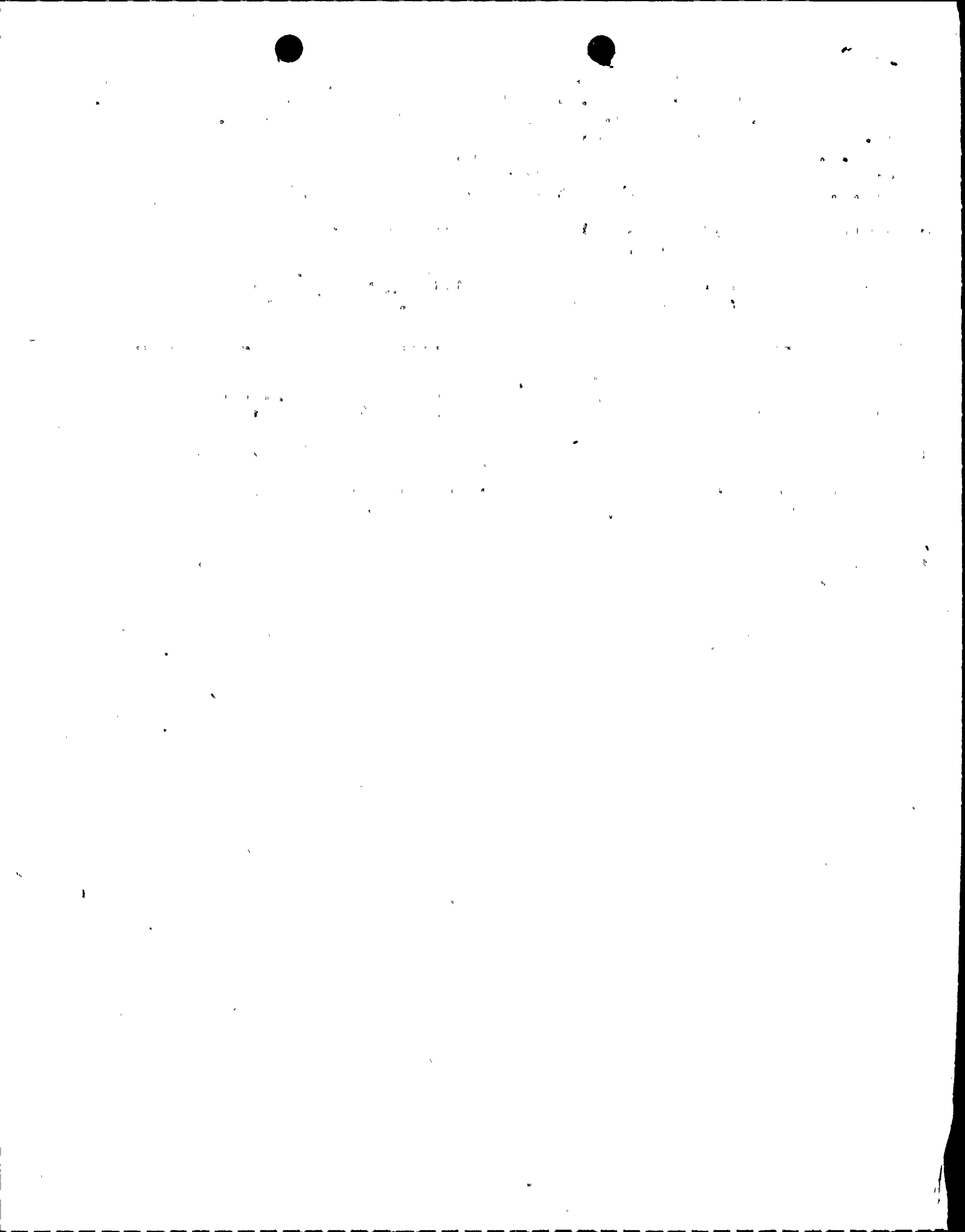
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	10 TECH AST EDO	1	1	11 PLANT SYS BR	1	1
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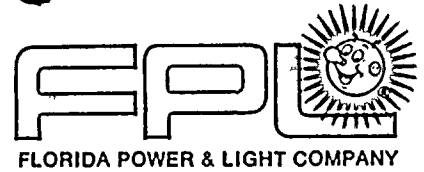
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May 10, 1979  
L-79-116

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 1  
Docket No. 50-335  
Cycle 3 Startup Testing

In response to a verbal request from your staff, Florida Power & Light Company submits the attached startup testing information as a supplement to the St. Lucie Unit 1, Cycle 3 Reload Safety Evaluation.

Very truly yours,

Robert E. Uhrig  
Vice President  
Advanced Systems & Technology

REU/MAS/cph

Attachment

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

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ATTACHMENT

Re: St. Lucie Unit 1  
Docket No. 50-335  
Cycle 3 Startup Testing

Startup testing will be performed at St. Lucie Unit 1 to verify that selected design physics parameters are satisfactory before entering the power operation phase of Cycle 3. The major parts of the testing program are the CEA performance tests, the approach to criticality, zero power physics testing, and power ascension testing. This includes more detailed information on:

1. Rod drop times,
2. Initial criticality measurements,
3. CEA symmetry check,
4. Unrodded critical boron concentration measurements,
5. Moderator temperature coefficient measurements,
6. Rod worth measurements,
7. Shutdown margin verification, and
8. Power distribution measurements at 30%, 50%, and 100% power.

A startup test report, with the same format used for the Cycle 2 startup test report (FPL letter L-78-260 dated August 7, 1978) will be submitted within 60 days of the completion of startup testing.



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