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 FACIL: 50-335 St. Lucie Plant, Unit 1, Florida Power & Light Co.
 AUTH. NAME: UHRIG, R.E. AUTHOR AFFILIATION: Florida Power & Light Co.
 RECIP. NAME: CLARK, R.A. RECIPIENT AFFILIATION: Operating Reactors Branch 3

SUBJECT: Responds to NRC 801017 request for addl info re 800611 natural circulation cooldown event. Util is developing cooldown method capable of achieving cold shutdown w/o upper head voiding. Results will be submitted by 801230.

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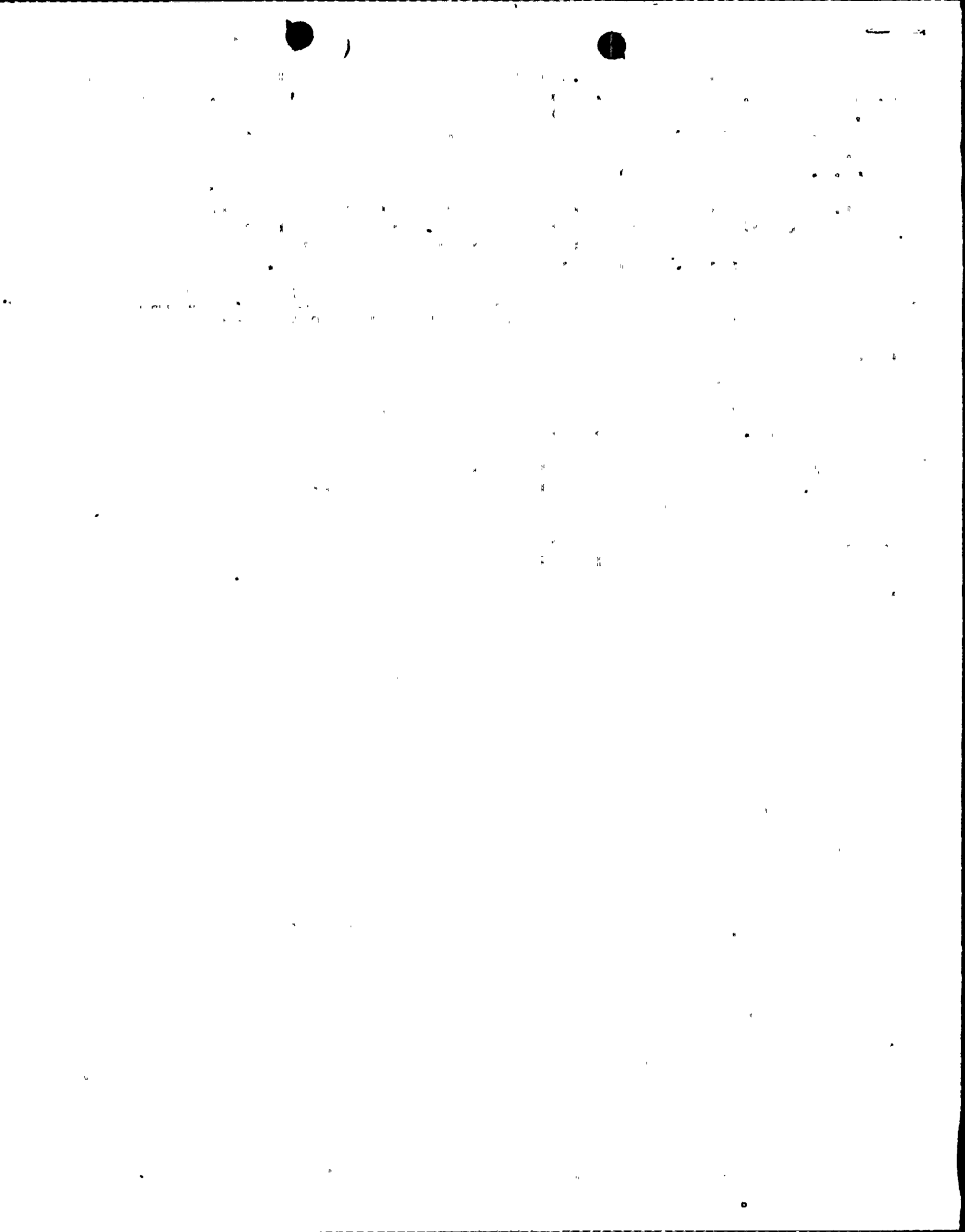
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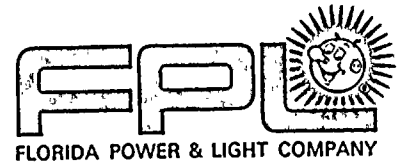
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November 20, 1980
L-80-385

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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
Natural Circulation Cooldown

Your October 17, 1980 letter requested additional information regarding the June 11, 1980 St. Lucie Unit 1 Natural Circulation Cooldown Event. The additional information requested centered around the issue of determining a cooldown rate capable of achieving cold shutdown without upper head voiding.

In previous correspondence we have provided analyses which demonstrate that the "drain and fill" method of operation is a safe method of achieving cold shutdown, and is a method we have successfully used on two occasions. Our Nuclear Analysis Department, however, is currently working towards developing a cooldown method capable of achieving cold shutdown without upper head voiding. We expect to have the results of this effort by December 30, 1980, and will transmit it to you at that time.

Very truly yours,

Robert E. Uhrig
Robert E. Uhrig
Vice President
Advanced Systems & Technology

REU/JEM/pah

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

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