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 FACIL:50-335 St. Lucie Plant, Unit 1, Florida Power & Light Co. 05000335
 AUTH.NAME AUTHOR AFFILIATION
 UHRIG,R.E. Florida Power & Light Co.
 RECIP.NAME RECIPIENT AFFILIATION
 CLARK,R.A. Operating Reactors Branch 3

SUBJECT: Lists info re reactor vessel internals & thermal shield plant recovery program to be provided prior to startup, per 830413 telcon. Reactor vessel internals & thermal shield insp results will be provided prior to startup.

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April 19, 1983
L-83-230

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:

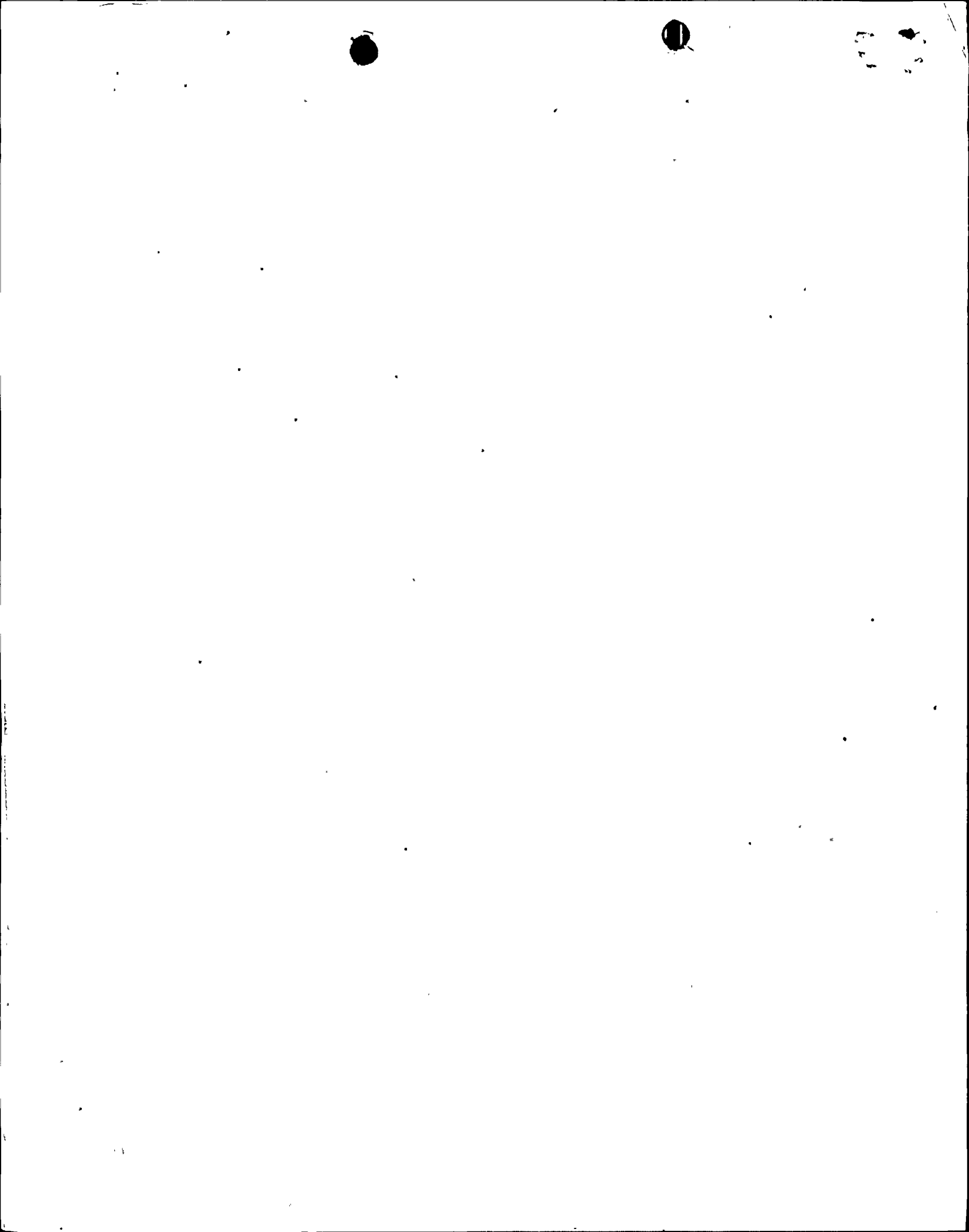
Re: St. Lucie Unit 1
Docket No. 50-335
Reactor Vessel Internals and Thermal Shield;
Plant Recovery Program

In a meeting on April 12, 1983, Florida Power and Light Company provided you with a preliminary summary of the condition of the St. Lucie No. 1 reactor vessel internals, including the thermal shield and associated components. At that meeting, Florida Power and Light Company expressed its genuine interest in resolving the situation in a manner that will adequately and aggressively address appropriate safety concerns related to the condition as well as plant recovery. It is in that interest, and as discussed with you in a phone conversation on April 13, 1983, that Florida Power and Light Company will provide the following information for your review, prior to startup of St. Lucie No. 1:

- A. Reactor Vessel Internals and Thermal Shield inspection results.
- B. Thermal Shield failure mode analysis as applicable to St. Lucie No. 1.
- C. St. Lucie No. 1 plant recovery plan (to be provided as soon as possible in the recovery).
- D. Safety Assessment (to include),
 - (1) Reactor vessel interactions and effects (i.e., the potential for increased reactor vessel embrittlement as a result of thermal shield removal).
 - (2) Possible effects on fuel performance due to loose parts.
 - (3) Loose Parts Monitor history and associated evaluations conducted.

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Page 2
Office Of Nuclear Reactor Regulation
Mr. Robert A. Clark, Chief

- (4) Review of noise history of excore detector output.
- (5) Assessment of the integrity and stability of reactor vessel internals.
- (6) Conclusions and findings on acceptability of return to power, subject to NRC concurrence..

In addition to the above, Florida Power and Light Company intends to provide on a continuing basis, frequent program recovery status to the St. Lucie No. 1 NRC Project Manager, Mr. Don Sells, via our assigned Recovery Task Team Licensing Project Senior Engineer, Mr. David Chaney.

Should any questions arise, please contact us immediately.

Very truly yours,

A handwritten signature in cursive script that reads "Robert E. Uhrig". The signature is written in dark ink and is positioned above the typed name.

Robert E. Uhrig
Vice President
Advanced Systems & Technology

REU/DAC/cab

cc: Harold F. Reis, Esquire

