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FLORIDA POWER & LIGHT COMPANY

December 19, 1980

L-80-415

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Mr. James P. O'Reilly, Director, Region II
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

cc: Cunningham

Dear Mr. O'Reilly:

Re: St. Lucie Plant Unit 1
Docket No. 50-335
Reportable Occurrence No. 335-B-80-03
Date of Occurrence: December 2, 1980

The attached Non-Routine Environmental Operating Report is being submitted in accordance with Environmental Technical Specification 5.6.2.a.2 to provide 30-day notification of the subject occurrence.

Very truly yours,

Robert E. Uhrig
Vice President
Advanced Systems & Technology

REU/ATH/ku

Attachment

cc: Mr. Victor Stello, Director
Office of Inspection & Enforcement

Harold F. Reis, Esquire

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FLORIDA POWER & LIGHT COMPANY
ST. LUCIE UNIT NO. 1
REPORTABLE OCCURRENCE NO. 335-B-80-3

Title: St. Lucie Plant Unit #1, Ocean Intake Area,
Recording Thermograph Loss

A. Description, Analysis and Evaluation

The loss of the St. Lucie Plant Unit #1 Ocean Intake Area recording thermograph system was reported to ENV on December 2, 1980 by site personnel after an attempt to perform routine servicing. No debris or trace of the system was subsequently discovered. APPENDIX B TO OPERATING LICENSE NO. DPR-67, ENVIRONMENTAL TECHNICAL SPECIFICATIONS FOR FLORIDA POWER AND LIGHT COMPANY ST. LUCIE UNIT NO. 1, DOCKET NO. 50-335, Section 3.1.A.5, requires continuous thermograph monitoring to verify compliance with the maximum surface temperature rise of 5.5°F over ambient temperature, within the zone of mixing. Because of the loss of Intake area thermographs, this measurement is not possible and therefore is reportable under Section 5.6.2.a.2.

B. Cause of Occurrence

The thermograph system loss was most probably due to storm surge wave action or commercial fishing. Both activities increase markedly in mid-November of each year. A diver's inspection and search failed to discover any part of the system or accessories. Until the missing system or sufficient parts can be recovered, an exact statement of the cause of this occurrence cannot be made.

C. Corrective Action

The intake array, associated accessories, mooring system and recording thermographs were replaced at 1300 hrs. on December 10, 1980.

All reportable task groups have been directed to ensure that sufficient replacement systems and components are held on hand to replace the loss of any single array, on an immediate basis.

Florida Power and Light continues to maintain reasonable precautions to prevent loss of ocean temperature monitoring equipment. The inshore navigation of vessels, commercial/sport fishing activity, and winter storm surge, subject these thermograph arrays to high susceptibility for damage or loss.

Deletion of the St. Lucie Plant ocean thermal monitoring program was requested on April 12, 1979. When granted, this deletion will preclude the aforementioned problems.