

50-335

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

INCIDENT REPORT (Environ)

TO: Mr Volgenau

FROM: Florida Pwr & Light Co  
Miami, Fla  
R E Uhrig

DATE OF DOCUMENT

7-7-76

DATE RECEIVED 7-10-76

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DESCRIPTION

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PLANT NAME: St Lucie #1

ENCLOSURE

Non-Routine 'Enviro' Operating Rpt (RO#335-B-76-02) concerning failure to determine condenser Δ T....

NOTE: IF PERSONNEL EXPOSURE IS INVOLVED SEND DIRECTLY TO KREGER/J. COLLINS

SAFETY

FOR ACTION/INFORMATION

ENVIRO

BRANCH CHIEF:

Ziemann

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LIC. ASST.:

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EXTERNAL DISTRIBUTION

CONTROL NUMBER

LPDR: Ft Pierce, Fla

TIC:

NSIC:

6980

Florida Ice & Light Co  
Miami, Fla  
2 N. Dixie

Mr. Voigenau

7-7-76  
7-10-76

one signed

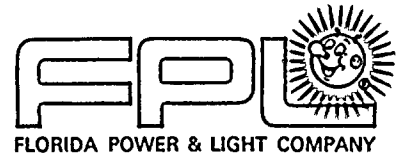
XX

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the items the following:

Non-Functioning Evaporator Operating Rpt (RO:332-B-76-02)  
concerning failure to determine condenser T.....

21 June 76



July 7, 1976  
L-76-247



Ernst Volgenau, Director  
Office of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

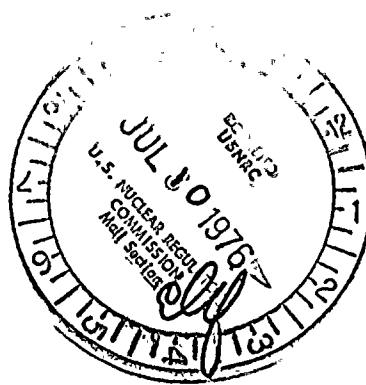
Dear Mr. Volgenau:

Re: REPORTABLE OCCURRENCE NO. 335-B-76-02  
ST. LUCIE UNIT NO. 1  
DATE OF OCCURRENCE: June 9, 1976  
"FAILURE TO DETERMINE CONDENSER ΔT"

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

Very truly yours,

*Robert E. Uhrig*  
Robert E. Uhrig  
Vice President

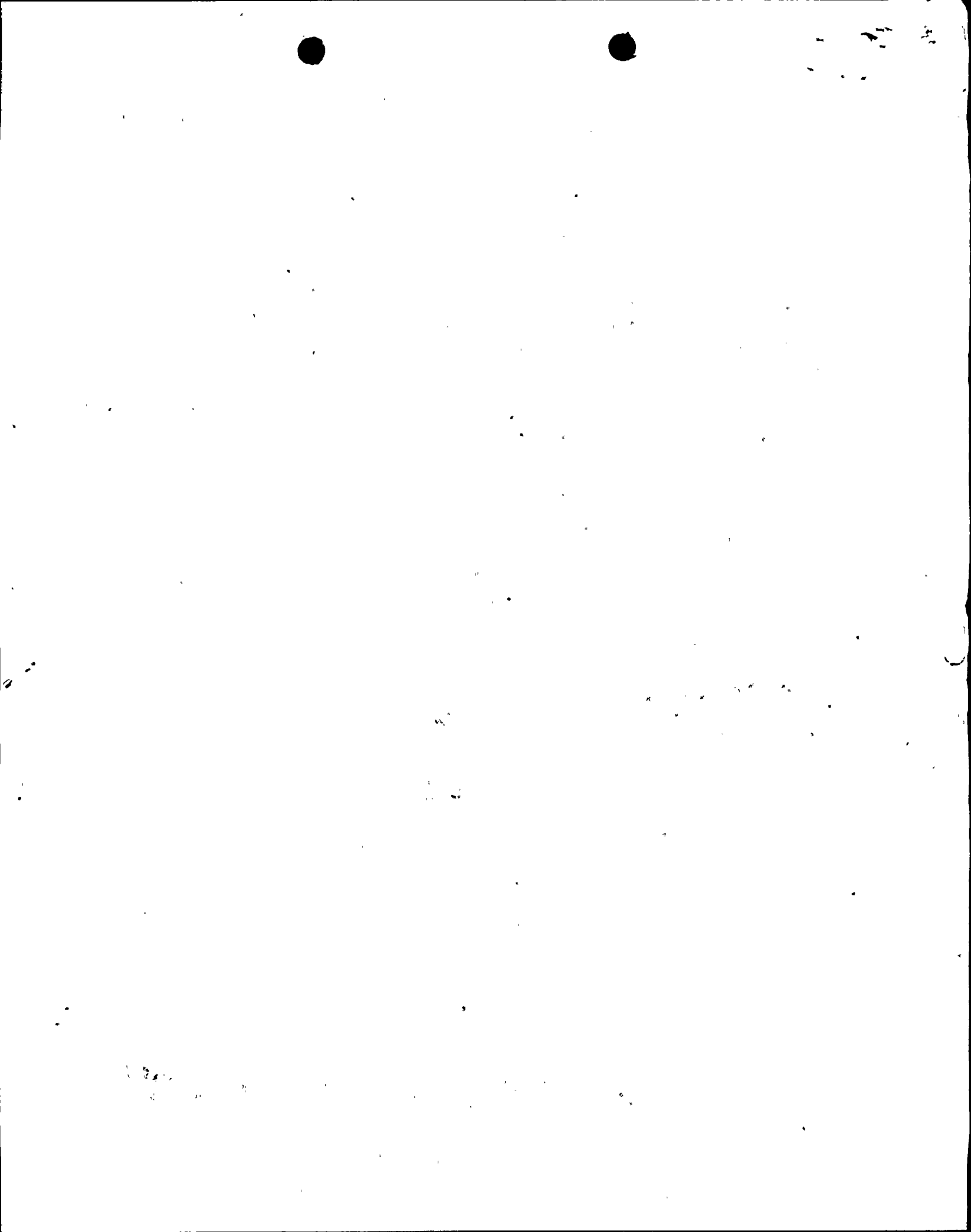


REU/JPF/hlc

Attachment

cc: Norman C. Moseley, Region II, (2)  
Jack R. Newman, Esq.

6908



ST. LUCIE UNIT NO. 1  
REPORTABLE OCCURRENCE NO. 335-B-76-02  
"FAILURE TO DETERMINE CONDENSER  $\Delta T$ "  
DATE OF OCCURRENCE: JUNE 9, 1976

A. Description:

On June 9, 1976, the TR 21-3 recorder in the Control Room which measures the intake and discharge temperatures across the condenser malfunctioned. This recorder is used to determine the  $\Delta T$  across the condenser hourly as required in Section 2.1.2 of the Appendix B Technical Specifications. The outage of this instrument resulted in missed hourly  $\Delta T$  determinations, therefore a violation of Technical Specifications. The TR 21-3 recorder was out of service from 8:00 a.m. - 11:15 a.m. June 9, and from 4:00 p.m. June 9 until 7:30 p.m. June 11, a total of 54 hours.

Analysis:

During the TR 21-3 instrument outage twenty-two  $\Delta T$  readings were determined from the Inmet Computer which digitally displays and records on magnetic tape the intake and discharge canal temperatures. However, at 4:00 p.m., June 10, the discharge canal temperature display on the Inmet malfunctioned and was out of service until 11:00 a.m. June 11. During this time frame, with both the TR 21-3 recorder and Inmet out, no  $\Delta T$  readings were determined.

Evaluation:

Of the 54 hour outage time of the TR 21-3 recorder, 32 hourly  $\Delta T$  determinations were not performed. The missing data is retrievable, if necessary, since the intake canal temperatures were continuously recorded on magnetic tape by the Inmet and the discharge canal temperatures were recorded on the strip chart discharge canal temperature monitoring back-up system. Since there was no change in power level (50%) during the instrument outage time, no reduction in circulating water flow, and since the  $\Delta T$  determinations from the Inmet system have generally been more conservative (i.e. higher) than those from the TR 21-3, it is believed that no violation of the 24°F condenser  $\Delta T$  rise limit occurred. However, not determining the  $\Delta T$  across the condenser hourly, as per Section 2.1.2 of the Appendix B Technical Specifications is a violation in and by itself.

B. Cause:

See Analysis above.

C. Corrective Action:

A proposal for a new system to monitor  $\Delta T$  across the condenser is presently being reviewed. This new system will then serve as the primary system with the present system serving as a backup. When this new system is installed, the above described situation should not reoccur. Until this modification is completed, local temperature indicators are being installed to be read by the operator whenever the recorder fails. This will prevent another violation of this type.