NRC FORM 195 (2-76)

U.S. NUCLEAR REGULATORY COMMISSION

DOCKET NUMBER 50-335

FILE NUMBER INCIDENT REPORT

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

TO:	FROM:	DATE OF DOCUMENT
Mr. Norman C. Moseley	Florida Power & Light Company Miami, Florida A. D. Schmidt	3/18/77
		DATE RECEIVED 4/1/77

☒ LETTER ☒ ORIGINAL ☒ COPY	☐ NOTORIZED ☒ UNCLASSIFIED	PROP	INPUT FORM	NUMBER OF COPIES RECEIVED 1 signed

DESCRIPTION

Ltr. trans the following:

ACKNOWLEDGED

PLANT NAME:

St. Lucie Unit No. 1 (1-P)

RJL

DO NOT REMOVE

ENCLOSURE

Licensee Event Report (RO 50-335/77-10) on 2/17/77 concerning an alarm being received in the control room indicating the circuit breaker for the "C" steam driven auxiliary feedwater pump steam valve control circuit tripped.....

(2-P)

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

FOR ACTION/INFORMATION

BRANCH CHIEF:	Ziemann
W/3 CYS FOR ACTION	
LIC. ASST.:	Disss
W/ 1 CYS	
ACRS 16 CYS ~~HOLDING~~/SENT	AS CAT B

INTERNAL DISTRIBUTION

REG FILE		
NRC PDR		
I & E (2)		
MIPC		
SCHROEDER/IPPOLITO		
HOUSTON		
NOVAK/CHECK		
GRIMES		
CASE		
BUTLER		
HANAUER		
TEDESCO/MACCARY		
EISENHUT		
BAER		
SHAO		
VOLLMER/BUNCH		
KREGER/J. COLLINS		

EXTERNAL DISTRIBUTION

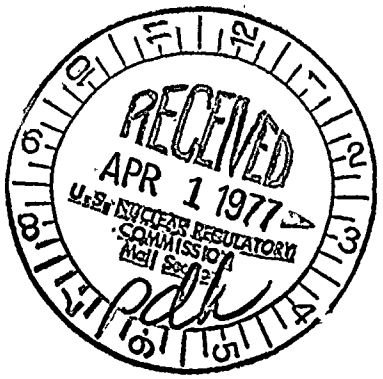
LPDR: Ft Pierce Fla	
TIC:	
NSIC:	

CONTROL NUMBER 770940107

A04

GD

P. O. BOX 013100, MIAMI, FL 33101



FLORIDA POWER & LIGHT COMPANY

March 18, 1977

PRN-LI-77-72

Mr. Norman C. Moseley, Director, Region II
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
230 Peachtree Street, N. W., Suite 1217
Atlanta, Georgia 30303

Dear Mr. Moseley:

REPORTABLE OCCURRENCE 335-77-10
ST. LUCIE UNIT 1
DATE OF OCCURRENCE: FEBRUARY 17, 1977

STEAM DRIVEN AUXILIARY FEEDWATER PUMP

The attached Licensee Event Report is being submitted in accordance with Technical Specification 6.9 to provide 30-day notification of the subject occurrence.

Very truly yours,

for J R Bevan
A. D. Schmidt
Vice President
Power Resources

MAS/cpc

Attachment

cc: Robert Lowenstein, Esquire
Director, Office of Inspection and Enforcement (30)
Director, Office of Management Information and Program Control (3)

7794010?

LICENSEE EVENT REPORT

CONTROL BLOCK: [| | | |] (1–6)

[PLEASE PRINT ALL REQUIRED INFORMATION]

01	LICENSEE NAME	LICENSE NUMBER	LICENSE TYPE	EVENT TYPE
(7–8)	F L S L S 1 (9–14)	0 0 – 0 0 0 0 0 – 0 0 (15–25)	4 1 1 1 1 (26–30)	0 3 (31–32)

01 CONT	CATEGORY	REPORT TYPE	REPORT SOURCE	DOCKET NUMBER	EVENT DATE	REPORT DATE
(7–8)	(57–58)	L (59)	L (60)	0 5 0 – 0 3 3 5 (61–68)	0 2 1 7 7 7 (69–74)	0 3 1 4 7 7 (75–80)

EVENT DESCRIPTION

02 During normal plant operation, an alarm received in the control room indicated the
03 circuit breaker for the "C" steam driven auxiliary feedwater pump steam valve control
04 circuit had tripped. Inspection of the circuit showed a shorted terminal in the speed
05 sensing and control circuit. The shorted terminal was repaired and the turbine speed
06 controller replaced.

07	SYSTEM CODE	CAUSE CODE	COMPONENT CODE	PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER	VIOLATION
(7–8)	H H (9–10)	B (11)	C K T B R K (12–17)	A (43)	W 2 9 0 (44–47)	N (48)

CAUSE DESCRIPTION

08 The steam valve control circuit breaker for the steam driven auxiliary feedwater pump
09 tripped due to a shorted terminal caused by moisture buildup in a control box.
10

11	FACILITY STATUS	% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION
(7–8)	B (9)	0 9 0 (10–12)	NA (13–44)	A (45)	NA (46–80)

12	FORM OF ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE
(7–8)	Z (9)	Z (10)	NA (11–44)	NA (45–60)

PERSONNEL EXPOSURES

13	NUMBER	TYPE	DESCRIPTION
(7–8)	0 0 0 (9–11)	Z (12)	NA (13–80)

PERSONNEL INJURIES

14	NUMBER	DESCRIPTION
(7–8)	0 0 0 (9–11)	NA (12–80)

PROBABLE CONSEQUENCES

15 NA

LOSS OR DAMAGE TO FACILITY

16	TYPE	DESCRIPTION
(7–8)	Z (9)	NA (10–80)

PUBLICITY

17 NA

ADDITIONAL FACTORS

18 See page two for continuation of Event Description.

19

NAME: M. A. Schoppman PHONE: 305/552-3779

GPO 881-667

EVENT DESCRIPTION (Continued)

During the time the "C" auxiliary feedwater pump was out of service, both electric-driven auxiliary feedwater pumps were operable as required by Technical Specification 3.7.1.2. The "C" auxiliary feedwater pump was returned to operable status within 72 hours as required by the Technical Specification.

This was the fifth reportable occurrence associated with the steam driven auxiliary feedwater pump. Two previous occurrences involved an open circuit in a solder joint (335-76-11) and a wiring diagram error (335-76-13) and are unrelated. The other three occurrences (335-76-22, 335-76-36 and 335-76-47) are related in that they involve control circuit corrosion. Action taken since the last reportable occurrence (335-76-47) has been the completion of rerouting of nearby steam drains away from the vicinity of the turbine.

Other means of long term corrective action are being studied. One possibility under consideration to further correct the situation is to replace the present junction boxes and relocate them to a position off the turbine, making them less susceptible to the effects of heat and moisture buildup. This will require a cold shutdown of the plant of sufficient duration to permit accomplishment. (335-77-10).