

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER  
INCIDENT REPORT

TO:  
Mr. Norman G. Moseley

FROM:  
Florida Power & Light Company  
Miami, Florida  
A. D. Schmidt

DATE OF DOCUMENT  
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:	<i>Ziemann</i>
W/3 CYS FOR ACTION	
LIC. ASST.:	<i>DiSSS</i>
W/7 CYS	
ACRS /6 CYS HOLDING/SENT	<i>As CAT B</i>

INTERNAL DISTRIBUTION

<input checked="" type="checkbox"/> REG FILE				
NRC PDR				
T & 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: <i>Ft Pierce</i>	
TIC:	
NSIC:	

CONTROL NUMBER

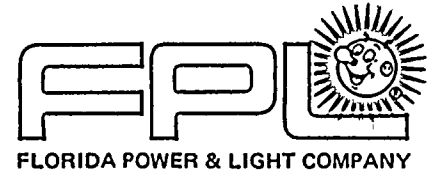
*77-01940107*

*AO 4*

*50*

1942

1943



March 18, 1977

PRN-LI-77-72

**REGULATORY DOCKET FILE COPY**

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. Benson*  
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)

77940107

SECRET

# LICENSEE EVENT REPORT

CONTROL BLOCK: 

--	--	--	--	--	--

[PLEASE PRINT ALL REQUIRED INFORMATION]

LICENSEE NAME: 

01	F	L	S	L	S	1
----	---	---	---	---	---	---

  
7 8 9 14

LICENSE NUMBER: 

0	0	-	0	0	0	0	0	-	0	0
---	---	---	---	---	---	---	---	---	---	---

  
15 25

LICENSE TYPE: 

4	1	1	1	1
---	---	---	---	---

  
26 30

EVENT TYPE: 

0	3
---	---

  
31 32

REPORT TYPE: 

L
---

  
59

REPORT SOURCE: 

L
---

  
60

CATEGORY: 

CONT
------

  
57 58

DOCKET NUMBER: 

0	5	0	-	0	3	3	5
---	---	---	---	---	---	---	---

  
61 68

EVENT DATE: 

0	2	1	7	7	7
---	---	---	---	---	---

  
69 74

REPORT DATE: 

0	3	1	4	7	7
---	---	---	---	---	---

  
75 80

### EVENT DESCRIPTION

02 | During normal plant operation, an alarm received in the control room indicated the  
7 8 9 80

03 | circuit breaker for the "C" steam driven auxiliary feedwater pump steam valve control  
7 8 9 80

04 | circuit had tripped. Inspection of the circuit showed a shorted terminal in the speed  
7 8 9 80

05 | sensing and control circuit. The shorted terminal was repaired and the turbine speed  
7 8 9 80

06 | controller replaced.  
7 8 9 80

SYSTEM CODE: 

H	H
---	---

  
7 8 9 10

CAUSE CODE: 

B
---

  
11

COMPONENT CODE: 

C	K	T	B	R	K
---	---	---	---	---	---

  
12 17

PFME COMPONENT SUPPLIER: 

A
---

  
43

COMPONENT MANUFACTURER: 

W	2	9	0
---	---	---	---

  
44 47

VIOLATION: 

N
---

  
48

### CAUSE DESCRIPTION

08 | The steam valve control circuit breaker for the steam driven auxiliary feedwater pump  
7 8 9 80

09 | tripped due to a shorted terminal caused by moisture buildup in a control box.  
7 8 9 80

10 |  
7 8 9 80

FACILITY STATUS: 

B
---

  
7 8 9

% POWER: 

0	9	0
---	---	---

  
10 12 13

OTHER STATUS: 

NA
----

  
44

METHOD OF DISCOVERY: 

A
---

  
45 46

DISCOVERY DESCRIPTION: 

NA
----

  
80

FORM OF ACTIVITY RELEASED: 

Z
---

  
7 8 9

CONTENT OF RELEASE: 

Z
---

  
10 11

AMOUNT OF ACTIVITY: 

NA
----

  
44 45

LOCATION OF RELEASE: 

NA
----

  
80

### PERSONNEL EXPOSURES

13 | NUMBER: 

0	0	0
---	---	---

  
7 8 9 11

TYPE: 

Z
---

  
12

DESCRIPTION: 

NA
----

  
13 80

### PERSONNEL INJURIES

14 | NUMBER: 

0	0	0
---	---	---

  
7 8 9 11

DESCRIPTION: 

NA
----

  
12 80

### PROBABLE CONSEQUENCES

15 | 

NA
----

  
7 8 9 80

### LOSS OR DAMAGE TO FACILITY

16 | TYPE: 

Z
---

  
7 8 9 10

DESCRIPTION: 

NA
----

  
80

### PUBLICITY

17 | 

NA
----

  
7 8 9 80

### ADDITIONAL FACTORS

18 | See page two for continuation of Event Description.  
7 8 9 80

19 |  
7 8 9 80

NAME: M. A. Schoppman

PHONE: 305/552-3779

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).

RECEIVED DOCUMENT  
PROCESSING UNIT

1977 APR 1 PM 2 49