

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER  
INCIDENT REPORT

TO: Mr. Norman C. Moseley

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

DATE OF DOCUMENT  
3/14/77

DATE RECEIVED  
4/1/77

LETTER  
 ORIGINAL  
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 UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED  
*1 signed*

DESCRIPTION

Ltr. trans the following:

**ACKNOWLEDGED**

PLANT NAME: (1-P)  
St. Lucie Unit No. 1

RJL

**DO NOT REMOVE**

ENCLOSURE

Licensee Event Report (RO 50-335/77-8) on 2/13/77 concerning RCS cold leg temperature exceeding tech spec limit....

(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>Diss</i>
W/7 CYS	
ACRS <i>16</i> CYS HOLDING/SENT	<i>As CAT B</i>

INTERNAL DISTRIBUTION

<u>REG FILE</u>			
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: <i>Ft Pierce P/A</i>	
TIC: 1	
NSIC:	

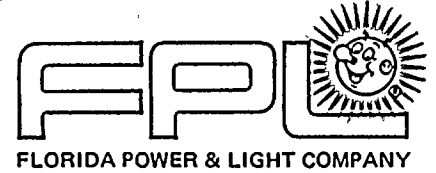
CONTROL NUMBER

*770940106*

*404*  
*60*

RECEIVED

RECEIVED



March 14, 1977

PRN-LI-77-66

**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 335-77-8  
ST. LUCIE UNIT 1  
DATE OF OCCURRENCE: FEBRUARY 12, 1977

RCS COLD LEG TEMPERATURE

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,

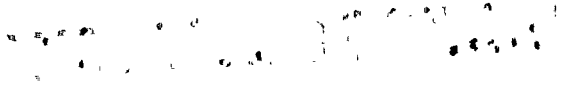
*A. D. Schmidt*  
for A. D. Schmidt  
Vice President  
Power Resources

MAS/cpc

Attachment

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

770940106



# LICENSEE EVENT REPORT

CONTROL BLOCK: 

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(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME						LICENSE NUMBER						LICENSE TYPE					EVENT TYPE														
01	F	L	S	L	S	1	0	0	-	0	0	0	0	0	0	-	0	0	4	1	1	1	1	0	3						
7	8	9	14	15	25	26	30	31	32																						
01 CONT		CATEGORY		REPORT TYPE	REPORT SOURCE	DOCKET NUMBER					EVENT DATE				REPORT DATE																
01	7	8	57	58	L	59	L	60	61	5	0	-	0	3	3	5	68	69	2	1	2	7	7	75	0	3	1	1	7	7	80

## EVENT DESCRIPTION

02	During a weekly test of the turbine control valves, RCS cold leg temperature exceeded																											80
03	542°F twice. The maximum temperature reached was 543°F. The RCS was above 542°F for																											80
04	less than 5 minutes. Immediate corrective action was to reduce RCS cold leg temperature																											80
05	in compliance with the action statement of specification 3.2.5.a. This was the second																											80
06	reportable occurrence at St. Lucie Unit 1 during which RCS cold leg temperature																											80

SYSTEM CODE		CAUSE CODE		COMPONENT CODE				PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER			VIOLATION			
07	H	A	B	I	N	S	T	R	U	0	W	1	2	0	N
7	8	9	10	11	12	17	43	44	47	48					

## CAUSE DESCRIPTION

08	The RCS temperature changes were caused by turbine load rejections of about 50 Mwe. The																											80
09	load rejections occurred while transferring from sequential valve control to single																											80
10	valve control, and vice-versa. The transfers were not as smooth as they should have																											80

FACILITY STATUS		% POWER		OTHER STATUS				METHOD OF DISCOVERY		DISCOVERY DESCRIPTION						
11	B	0	8	9	N/A				A	N/A						
7	8	9	10	12	13	44	45	46								80

FORM OF ACTIVITY RELEASED		CONTENT OF RELEASE		AMOUNT OF ACTIVITY				LOCATION OF RELEASE						
12	Z	Z	N/A				N/A							
7	8	9	10	11	44	45								80

## PERSONNEL EXPOSURES

NUMBER		TYPE		DESCRIPTION							
13	0	0	0	Z	N/A						
7	8	9	11	12	13						80

## PERSONNEL INJURIES

NUMBER		DESCRIPTION								
14	0	0	0	N/A						
7	8	9	11	12						80

## PROBABLE CONSEQUENCES

15	N/A																											80
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## LOSS OR DAMAGE TO FACILITY

TYPE		DESCRIPTION							
16	Z	N/A							
7	8	9	10						80

## PUBLICITY

17	N/A																											80
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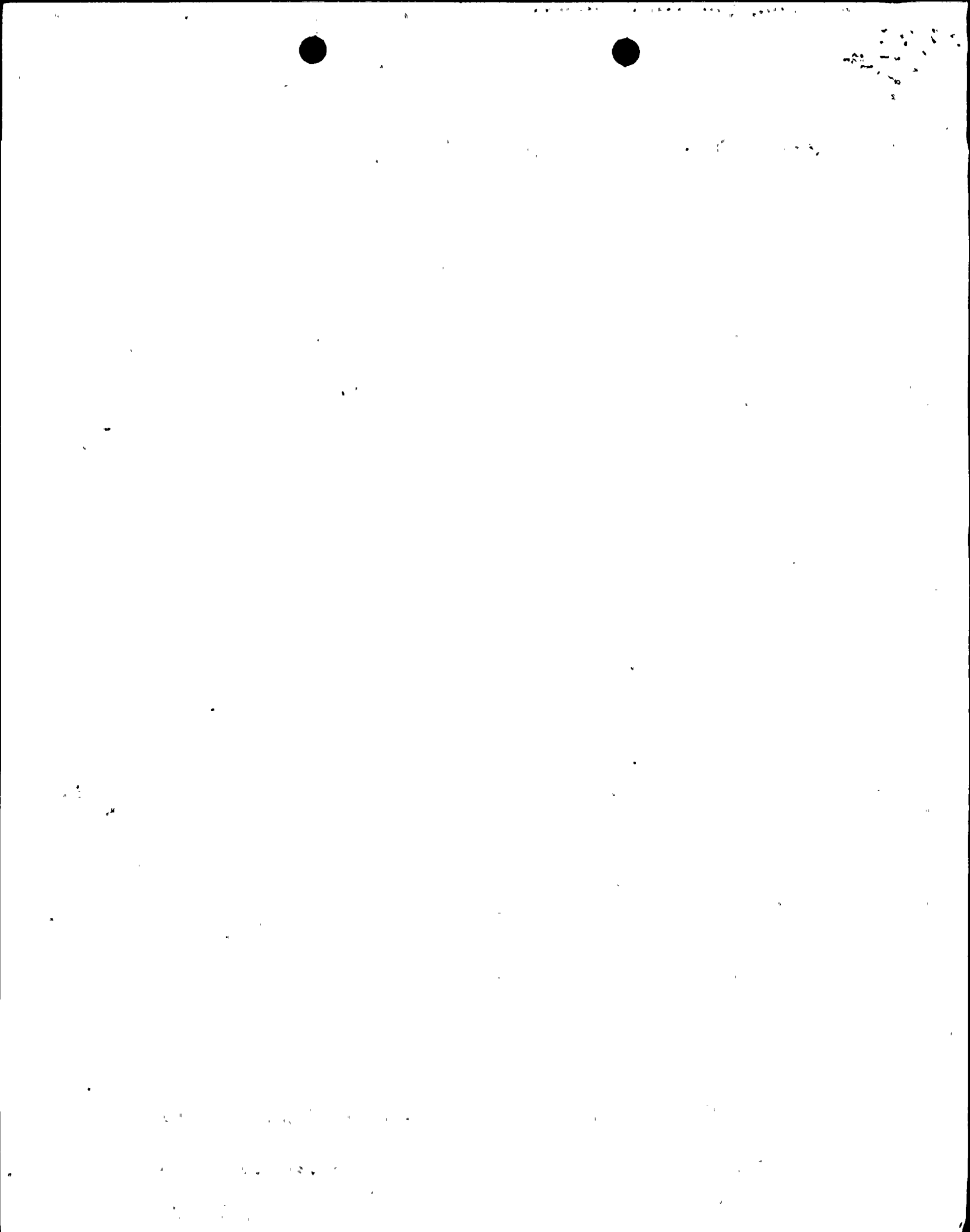
## ADDITIONAL FACTORS

18	See Page two for continuation of Event Description and Cause Description.																											80
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19																												80
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NAME: M. A. Schoppman

PHONE: 305/552-3779



Event Description (Continued)

exceeded 542°F. (See LER 335-77-1.)

(335-77-8)

Cause Description (Continued)

been because of minor inaccuracies in the characteristic curves for sequential valve control and single valve control which had been set into the turbine control system. The operators were aware of this problem but did not anticipate the magnitude of the transient and had not reduced RCS cold leg temperature sufficiently. Permanent corrective action will be to revise these valve characteristic curves. Data has been taken and is being evaluated by the vendor to determine if more data is needed before revising the curves. Also, the testing procedure has been revised to specify lowering power and RCS cold leg temperature before performing valve testing to help prevent future occurrences of this type.



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