



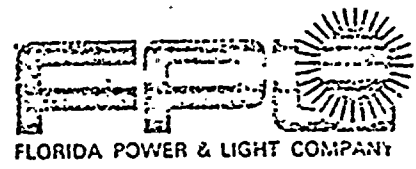
THE UNITED STATES OF AMERICA  
DEPARTMENT OF JUSTICE  
FEDERAL BUREAU OF INVESTIGATION

MEMORANDUM FOR THE DIRECTOR

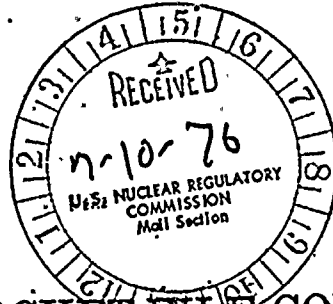
RE: [Illegible] (S) [Illegible]  
[Illegible] [Illegible] [Illegible] [Illegible]  
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FLORIDA POWER & LIGHT COMPANY

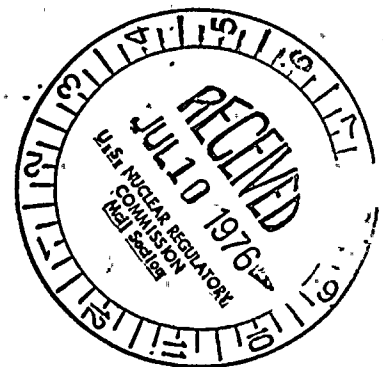


June 30, 1976

PRN-LI-76-172

**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 818  
Atlanta, Georgia 30303



Dear Mr. Moseley:

REPORTABLE OCCURRENCE 335-76-31  
ST. LUCIE UNIT 1  
DATE OF OCCURRENCE: JUNE 17, 1976

STRIKIN-II COMPUTER CODE

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

Very truly yours,

*J.R. Benson*  
for A. D. Schmidt  
Vice President  
Power Resources

MAS/cpc

Attachment

cc: Jack R. Newman, Esquire  
Director, Office of Inspection and Enforcement (40)  
Director, Office of Management Information and  
Program Control (3)

6900

REPUBLICAN PARTY

CONTROL BLOCK: 1 6

(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSE NAME

LICENSE NUMBER

LICENSE TYPE

EVENT TYPE

01 F L S L S 1

00-000000-00

41111

01

01 CONT

REPORT TYPE: T

REPORT SOURCE: 0

DOCKET NUMBER: 050-0335

EVENT DATE: 061776

REPORT DATE: 063076

EVENT DESCRIPTION

02 The NSSS vendor found several errors in the STRIKIN-2 computer code which led to an overprediction of the allowable peak linear heat generation rate (PLHGR). Preliminary calculation using a corrected version of the STRIKIN-2 code resulted in a PLHGR limit of 13.7 kw/ft. An additional conservatism of 1 kw/ft was added which then resulted in a PLHGR limit of

07 SYSTEM CODE: ZZ CAUSE CODE: C COMPONENT CODE: ZZZZZ FRAME COMPONENT SUPPLIER: N COMPONENT MANUFACTURER: C490 VIOLATION: N

CAUSE DESCRIPTION

08 As a result of an internal quality assurance audit, the NSSS vendor found several errors in the STRIKIN-2 computer code which is the code used to calculate peak clad temperature and clad oxidation percentage in

11 FACILITY STATUS: B % POWER: 050 OTHER STATUS: N/A METHOD OF DISCOVERY: d DISCOVERY DESCRIPTION: N/A

12 FORM OF ACTIVITY RELEASED: Z CONTENT OF RELEASE: Z AMOUNT OF ACTIVITY: N/A LOCATION OF RELEASE: N/A

PERSONNEL EXPOSURES

13 NUMBER: 000 TYPE: Z DESCRIPTION: N/A

PERSONNEL INJURIES

14 NUMBER: 000 DESCRIPTION: N/A

PROBABLE CONSEQUENCES

15 N/A

LOSS OR DAMAGE TO FACILITY

16 TYPE: Z DESCRIPTION: N/A

PUBLICITY

17 N/A

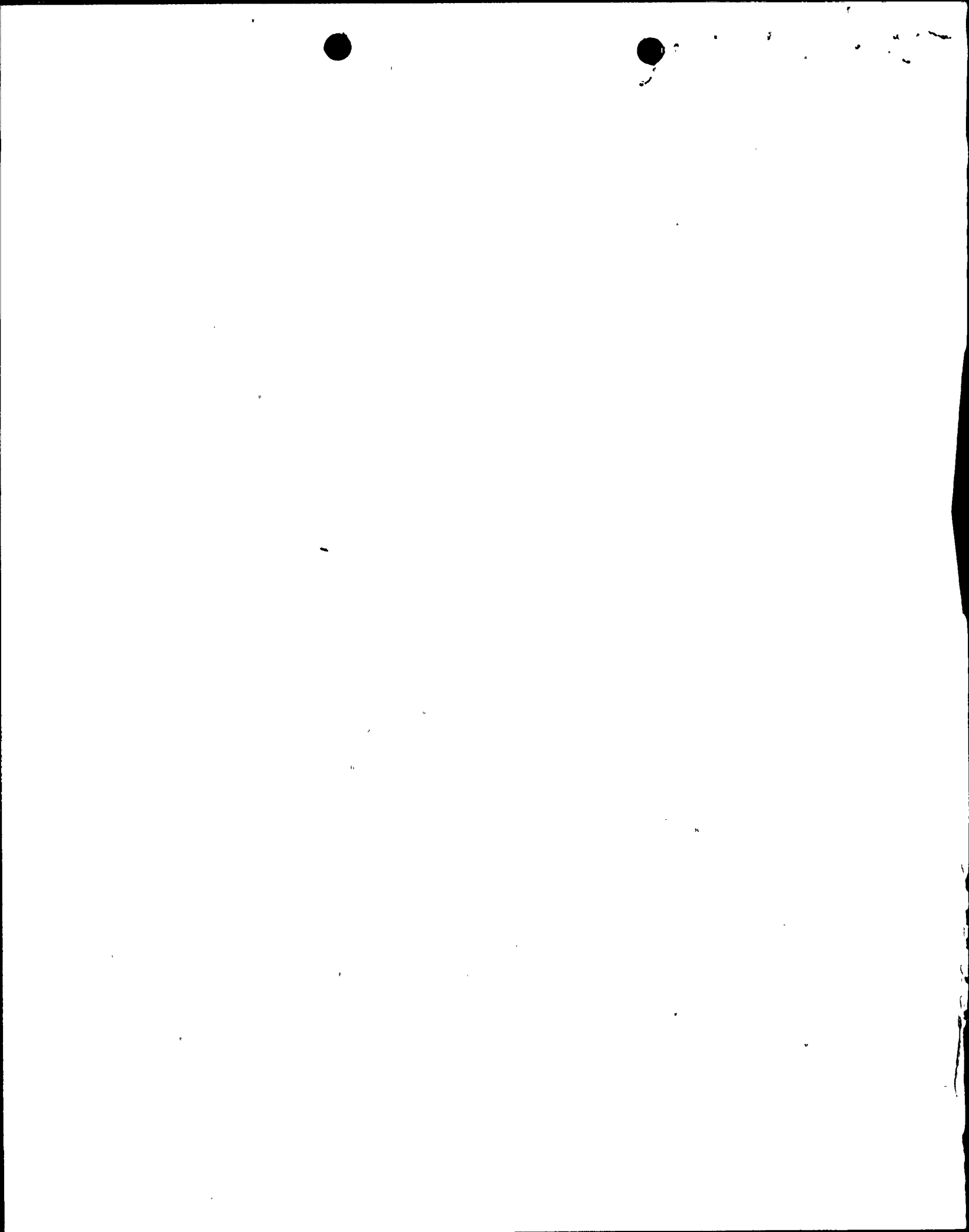
ADDITIONAL FACTORS

18 See Page 2 for continuation of Event Description and Cause Description.

19

NAME: M. A. Schoppman

PHONE: 305/552-3779.

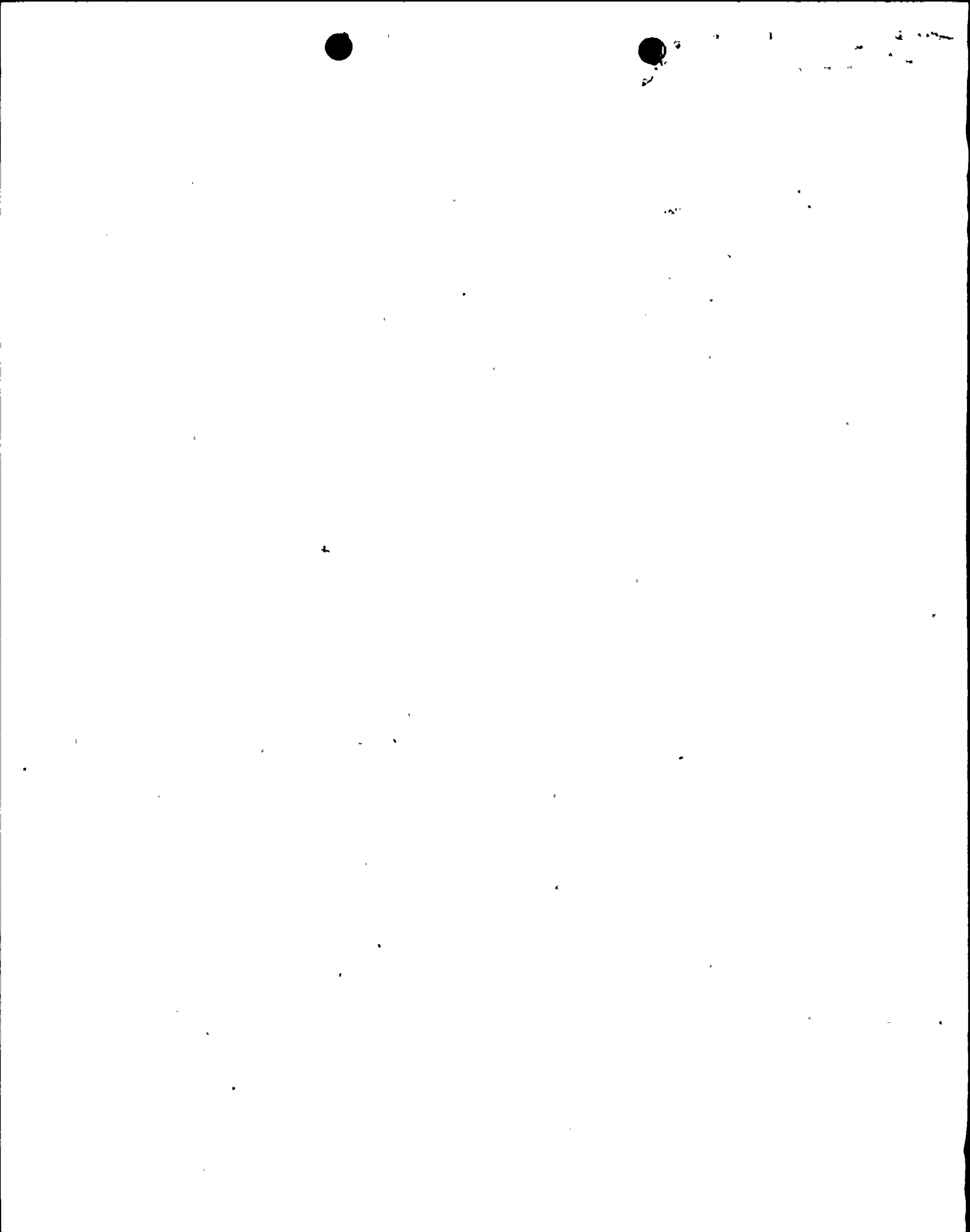


Event Description (continued)

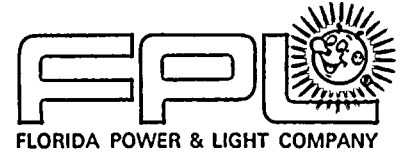
12.7 kw/ft. This change in allowable PLHGR ensured compliance with ECCS performance criteria while a new calculational model was being developed. The NSSS vendor has submitted the new model to the NRC, and the specific analysis for St. Lucie Unit 1 using the new model has established an allowable PLHGR of 14.8 kw/ft. The new ECCS performance results will be forwarded to the NRC as part of a proposal to change the value of PLHGR in the Technical Specifications to 14.8 kw/ft.

Cause Description (continued)

the ECCS model.







June 30, 1976

PRN-LI-76-172

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Office of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission  
230 Peachtree Street, N. W., Suite 818  
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*for J R Beusen*  
A. D. Schmidt  
Vice President  
Power Resources

MAS/cpc

Attachment

cc: Jack R. Newman, Esquire  
Director, Office of Inspection and Enforcement (40)  
Director, Office of Management Information and  
Program Control (3)

REGULATORY OPERATIONS  
ATLANTA, GA.  
JUL 6 12 32 PM '76

# LICENSEE EVENT REPORT

CONTROL BLOCK:

(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME														LICENSE NUMBER												LICENSE TYPE					EVENT TYPE	
01	F	L	S	L	S	L	0	0	-	0	0	0	0	0	-	0	0	4	1	1	1	1	0	1								
7	8	9				14	15											25	26				30	31	32							
CATEGORY		REPORT TYPE		REPORT SOURCE		DOCKET NUMBER												EVENT DATE					REPORT DATE									
01		CONT		T		050-0335												061776					063076									
7	8	57	58	59	60	61																				80						

**EVENT DESCRIPTION**

02 | The NSSS vendor found several errors in the STRIKIN-2 computer code which  
 03 | led to an overprediction of the allowable peak linear heat generation  
 04 | rate (PLHGR). Preliminary calculation using a corrected version of the  
 05 | STRIKIN-2 code resulted in a PLHGR limit of 13.7 kw/ft. An additional  
 06 | conservatism of 1 kw/ft was added which then resulted in a PLHGR limit of

SYSTEM CODE				CAUSE CODE		COMPONENT CODE						PRIME COMPONENT SUPPLIER		COMPONENT MANUFACTURER			VIOLATION	
07   Z   Z				C		Z   Z   Z   Z   Z   Z						N		C   4   9   0			N	
7	8	9	10	11	12							43	44			47	48	

**CAUSE DESCRIPTION**

08 | As a result of an internal quality assurance audit, the NSSS vendor  
 09 | found several errors in the STRIKIN-2 computer code which is the code  
 10 | used to calculate peak clad temperature and clad oxidation percentage in

FACILITY STATUS		% POWER			OTHER STATUS				METHOD OF DISCOVERY		DISCOVERY DESCRIPTION			
11   B		050			N/A				d		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

**LOSS OR DAMAGE TO FACILITY**

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

**PUBLICITY**

17 | \_\_\_\_\_ N/A \_\_\_\_\_ 80

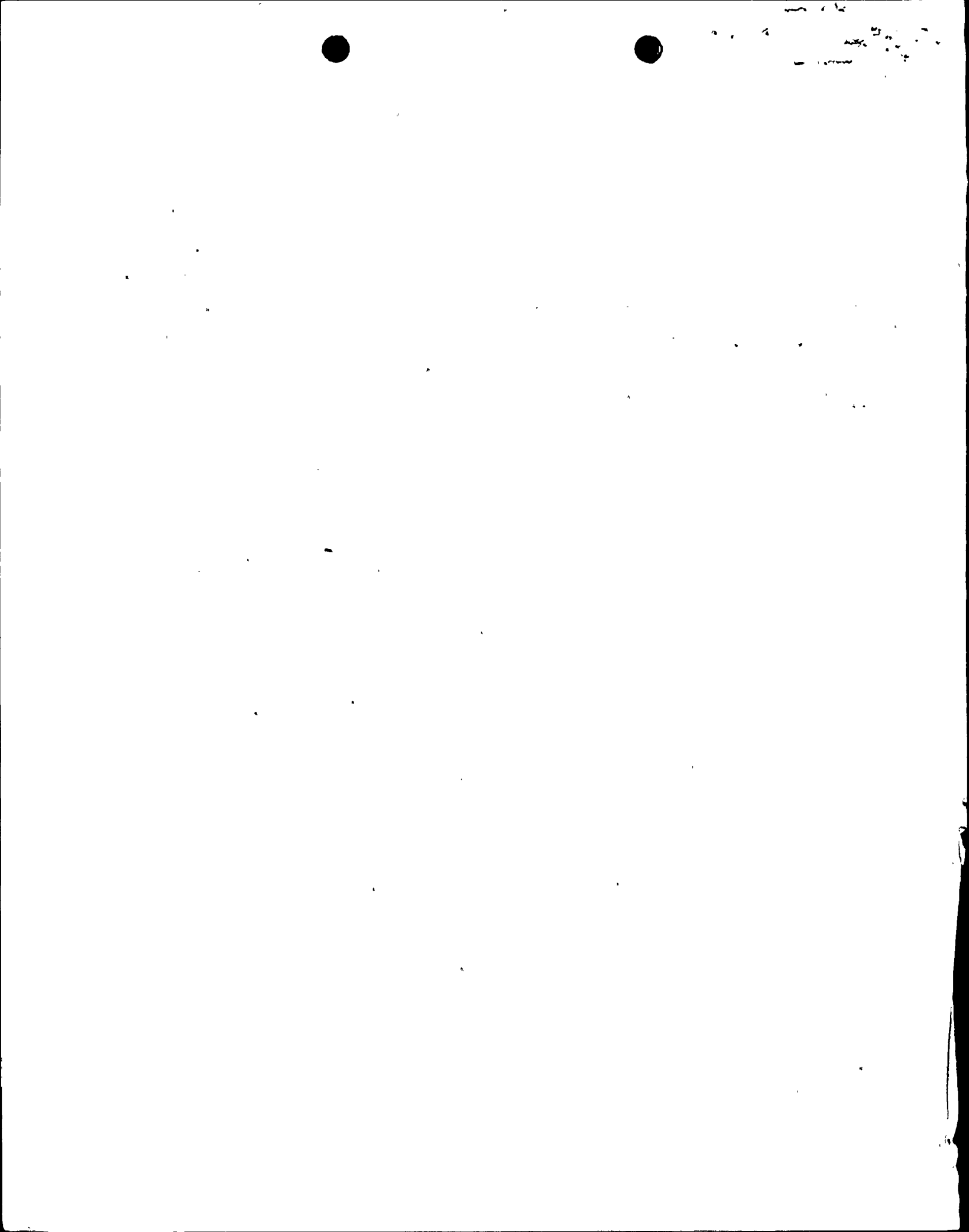
**ADDITIONAL FACTORS**

18 | See Page 2 for continuation of Event Description and Cause Description. 80

19 | \_\_\_\_\_ 80

NAME: M. A. Schoppman

PHONE: 305/552-3779



Event Description (continued)

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Cause Description (continued)

the ECCS model.



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