

DOCKET NUMBER  
**50-335**

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER  
INCIDENT REPORT

TO: N.C. MOSELEY

FROM: FLORIDIA POWER & LIGHT CO  
MIAMI, FLORIDIA  
A.D. SCHMIDT

DATE OF DOCUMENT  
6/16/77

DATE RECEIVED  
7/11/77

LETTER  
 ORIGINAL  
 COPY

NOTORIZED  
 UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED  
**1 SIGNED**

DESCRIPTION

LICENSEE EVENT REPORT FOR R.O.# 77-26, ON  
5/16/77 CONCERNING A SYSTEM UNDERVOLTAGE CONDITION  
OCCURRING WITH THE SUBSEQUENT LOSS OF ALL  
FOUR REACTOR COOLANT PUMPS (RCP'S)

ENCLOSURE

(1P & 2P) **DO NOT REMOVE**

PLANT NAME: ST. LUCIE # 1  
.SAB

**ACKNOWLEDGED**

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

FOR ACTION/INFORMATION

BRANCH CHIEF:	<i>Davis</i>
W/3 CYS FOR ACTION	
LIC. ASST.:	<i>DIGGS</i>
W/1 CYS	
ACRS <i>1/2</i> CYS HOLDING/SENT	<i>AS CHT B</i>

INTERNAL DISTRIBUTION

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

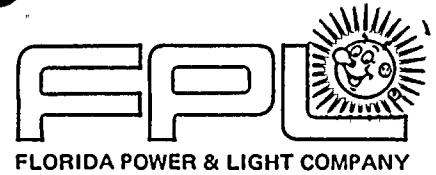
EXTERNAL DISTRIBUTION

LPDR: <i>FF Presson PA</i>		
TIC:		
NSIC:		

CONTROL NUMBER

**AD 4**  
771930410

**60**



June 16, 1977

PRN-LI-77-188

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

Regulatory Docket File


Dear Mr. Moseley:

REPORTABLE OCCURRENCE 335-77-26  
ST. LUCIE UNIT 1  
DATE OF OCCURRENCE: MAY 16, 1977

OFF-SITE POWER

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

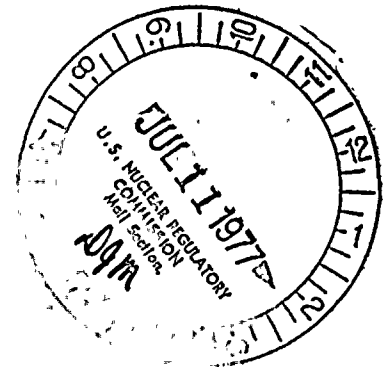
Very truly yours,

  
A. D. Schmidt  
Vice President  
Power Resources

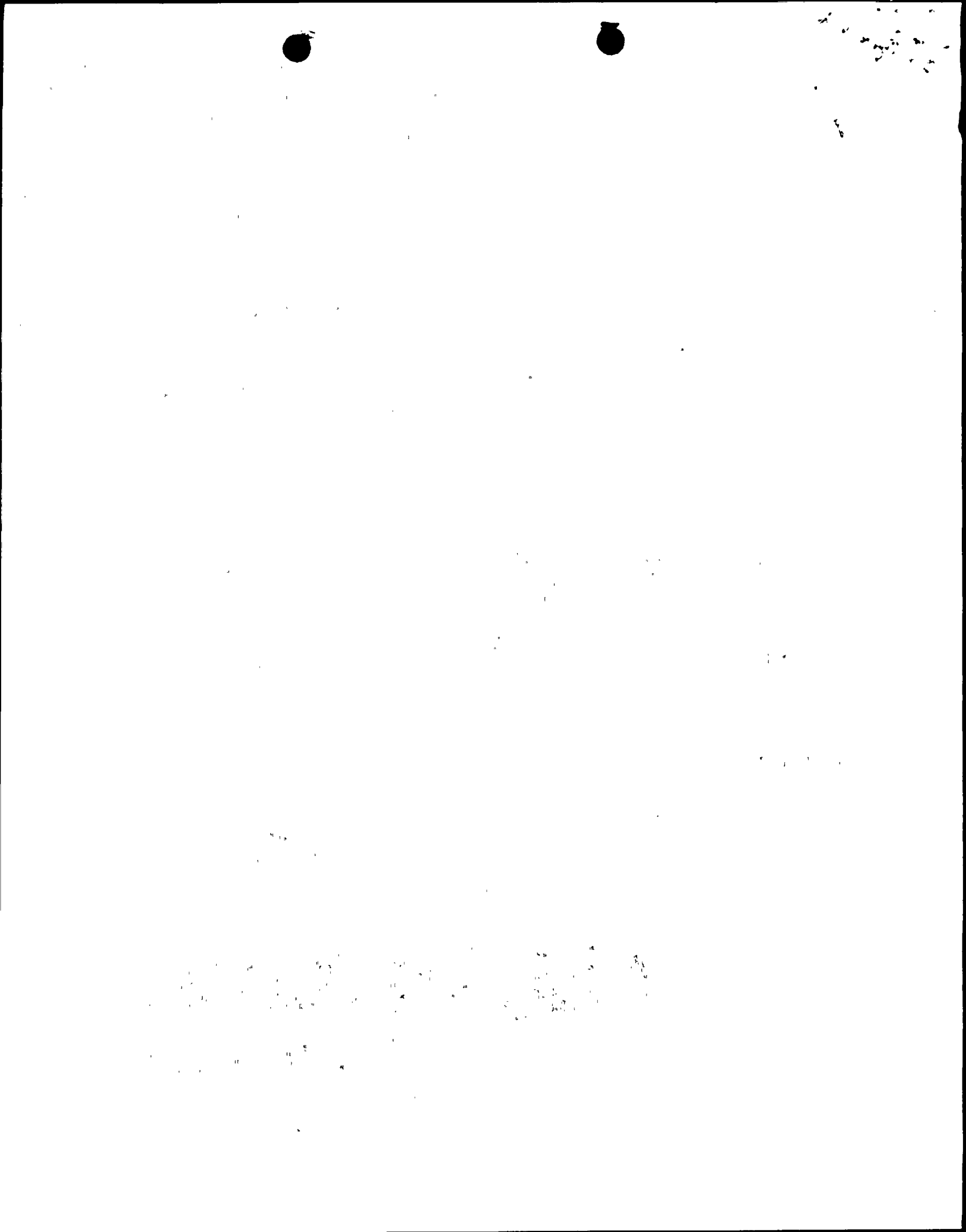
MAS/cpc

Attachment

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



771930410



# 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	4	1	1	1	1	0	3
7	8	9	14	15	25	26	30	31	32															
CATEGORY		REPORT TYPE	REPORT SOURCE	DOCKET NUMBER				EVENT DATE				REPORT DATE												
01	CONT	L	L	0	5	0	-	0	3	3	5	0	5	1	6	7	7	0	6	1	6	7	7	
7	8	57	58	59	60	61	68	69	74	75	80													

## EVENT DESCRIPTION

02	Approximately 15 minutes following a manual reactor trip due to grid disturbances, a																							80
03	system undervoltage condition occurred with the subsequent loss of all four reactor																							80
04	coolant pumps (RCP's). Both diesel-generators automatically started and loaded and a																							80
05	natural circulation cooldown was commenced. After approximately 20 minutes, voltage was																							80
06	restored and the RCP's were returned to service. One hour later, off-site power was																							80

SYSTEM CODE		CAUSE CODE		COMPONENT CODE				PRIME COMPONENT SUPPLIER		COMPONENT MANUFACTURER			VIOLATION	
07	Z	Z	C	Z	Z	Z	Z	Z	Z	Z	9	9	9	N
7	8	9	10	11	12	17	43	44	47	48				

## CAUSE DESCRIPTION

08	Loss of normal RCS flow was caused by a loss of off-site power; loss of off-site power																							80
09	was associated with a FP&L grid disturbance.																							80
10																								80

FACILITY STATUS		% POWER			OTHER STATUS			METHOD OF DISCOVERY		DISCOVERY DESCRIPTION				
11	G	0	0	0	NA	A	NA	NA						
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	NA	NA				NA						
7	8	9	10	11	44	45	80							

## PERSONNEL EXPOSURES

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

## PERSONNEL INJURIES

NUMBER		DESCRIPTION												
14	0	0	0	NA										
7	8	9	11	12	80									

## PROBABLE CONSEQUENCES

15	NA																							80
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## LOSS OR DAMAGE TO FACILITY

TYPE		DESCRIPTION																						
16	L	Generation capacity interrupted during loss of off-site power.																						
7	8	9	10	80																				

## PUBLICITY

17	Media coverage and FPL press release on May 16, 1977.																							80
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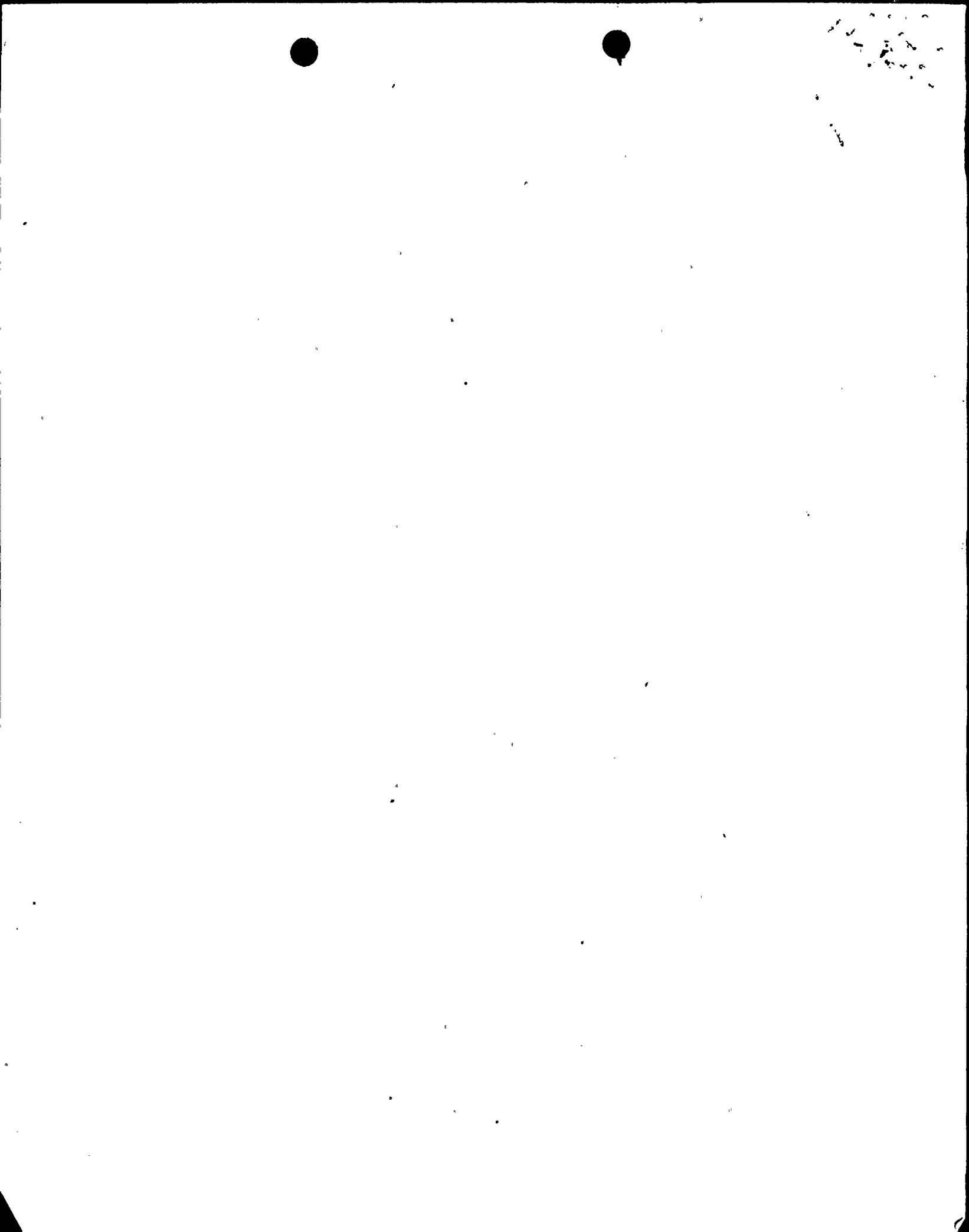
## ADDITIONAL FACTORS

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

PHONE: (305) 552-3802



REPORTABLE OCCURRENCE 335-77-26  
LICENSEE EVENT REPORT  
PAGE TWO

Event Description (Continued)

lost, and a natural circulation RCS cooldown re-commenced. Approximately 1 to 1-1/2 hours later, off-site power was restored, the RCP's were re-started, and a reactor heatup commenced. The plant was restored to a normal configuration within the time limits specified by the PSL Technical Specifications.

This was the first occurrence of this type associated with a grid disturbance, and is being reported under PSL Technical Specifications 3.4.1 and 3.8.1.1.

(335-77-26)

