

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER
INCIDENT REPORT

TO: N.C. MOSELEY

FROM: A. FLORIDA PWR & LIGHT CO.
MIAMI, FLORIDA
A.D. SCHMIDT

DATE OF DOCUMENT
3/17/77

DATE RECEIVED
4/6/77

LETTER
 ORIGINAL
 COPY

NOTORIZED
 UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

1 signed

DESCRIPTION

LTR. TRANS THE FOLLOWING.....

(1P)

PLANT NAME: ST. LUCIE # 1
SAB

ENCLOSURE

LICENSEE EVENT REPORT FOR. RO.# 77-9, ON2/15/77 CONCERNING THE DIGITAL DATA PROCESSING SYSTEM COMPUTER GOING OFF THE LINE BECAUSE OF MEMORY DISK CONTENT ERROR.....

(2P)

ACKNOWLEDGED
DO NOT REMOVE

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>Riggs</i>
W/1 CYS	
ACRS 16 CYS HOLDING/SENT	<i>PS CAT B</i>

INTERNAL DISTRIBUTION

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

EXTERNAL DISTRIBUTION

LPDR: <i>Ft Pierce, Fla</i>	
TIC:	
NSIC:	

CONTROL NUMBER

AO 4
770980232 60

SECRET

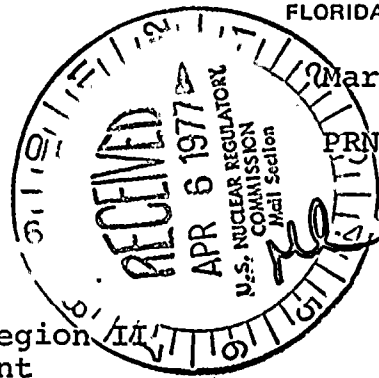
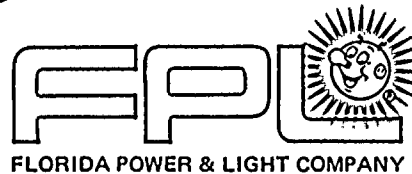
SECRET

(S)

SECRET

SECRET

SECRET



March 17, 1977

PRN-LI-77-69

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

Regulatory

File Cy.

Dear Mr. Moseley:

REPORTABLE OCCURRENCE 335-77-9
ST. LUCIE UNIT 1
DATE OF OCCURRENCE: FEBRUARY 15, 1977

DIGITAL DATA PROCESSING SYSTEM

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,

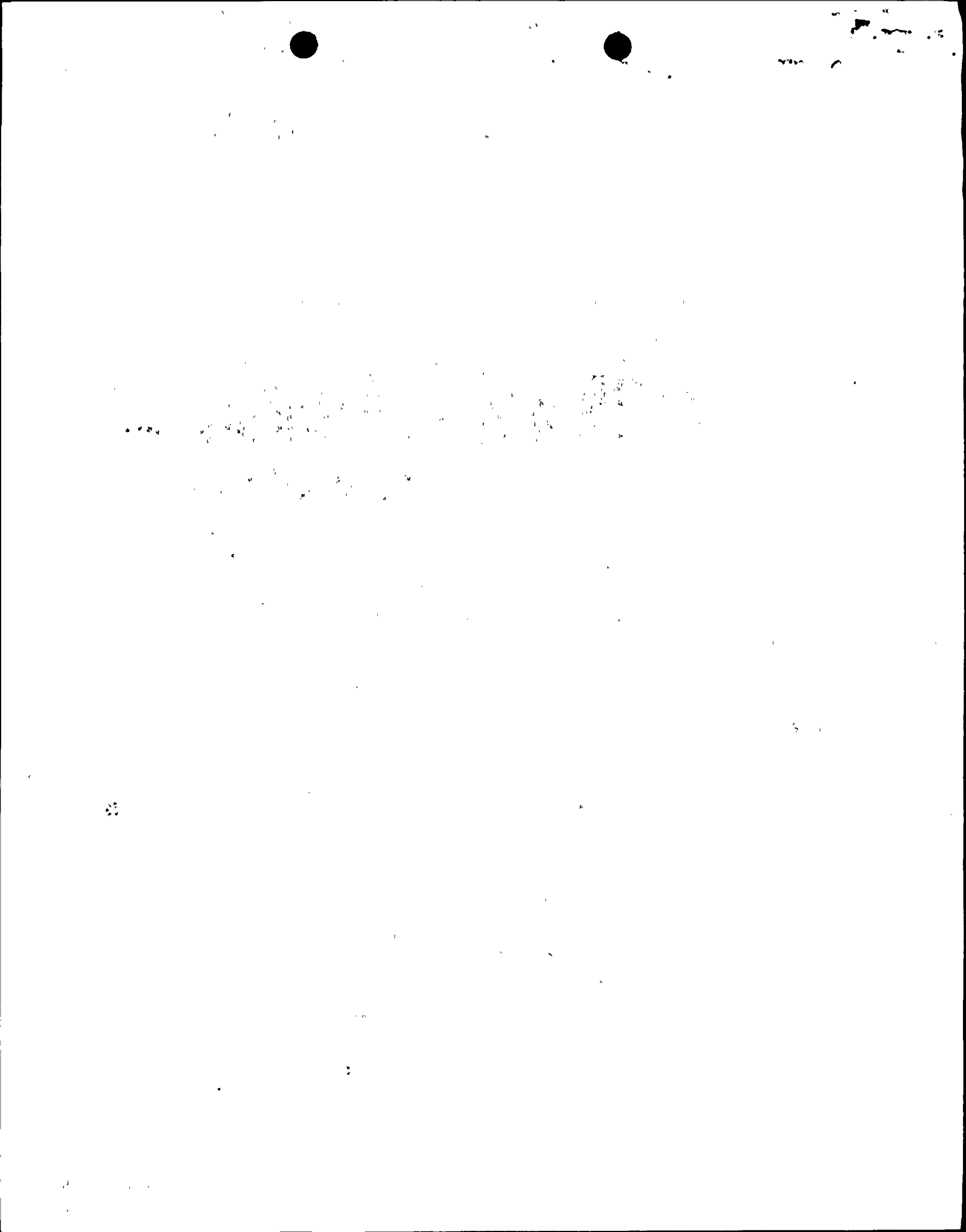
J R Bensen
for A. D. Schmidt
Vice President
Power Resources

MAS/cpc

Attachment

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

770980232



LICENSEE EVENT REPORT

(PLEASE PRINT ALL REQUIRED INFORMATION)

CONTROL BLOCK:

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								0	5	0	-	0	3	3	5	0	2	1	5	7	7	0	3	1	5	7	7	
7	8									57	58	59	60	61				68	69				74	75					80	

EVENT DESCRIPTION

02 | The Digital Data Processing System (DDPS) computer went off the line because of a memory
7 8 9 80

03 | disk content error. This resulted in the loss of CEA pulse counting position indication
7 8 9 80

04 | All reed switch position indication channels were verified operable and all CEA's were
7 8 9 80

05 | fully withdrawn. Also lost was the incore flux monitoring system. This required use of
7 8 9 80

06 | the excore monitoring system and required a reduction in power to ensure the Axial Shape
7 8 9 80

SYSTEM CODE		CAUSE CODE		COMPONENT CODE				PRIME COMPONENT SUPPLIER		COMPONENT MANUFACTURER			VIOLATION	
07	X	X	A	X	X	X	X	X	A	F	1	2	0	N
7	8	9	10	11	12			17	43	44			47	48

CAUSE DESCRIPTION

08 | A new program that was being tested caused the DDPS to halt because of failure of the
7 8 9 80

09 | auto reload of the core memory from the disk program storage. This was due to a program
7 8 9 80

10 | word missing from the disk program storage. This error was corrected and the DDPS was
7 8 9 80

FACILITY STATUS		% POWER			OTHER STATUS			METHOD OF DISCOVERY		DISCOVERY DESCRIPTION				
11	B	0	8	9	NA			A	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								
7	8	9	10	11			44	45					60	

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
7 8 9 80

LOSS OR DAMAGE TO FACILITY

TYPE		DESCRIPTION											
16	Z	NA											
7	8	9	10										80

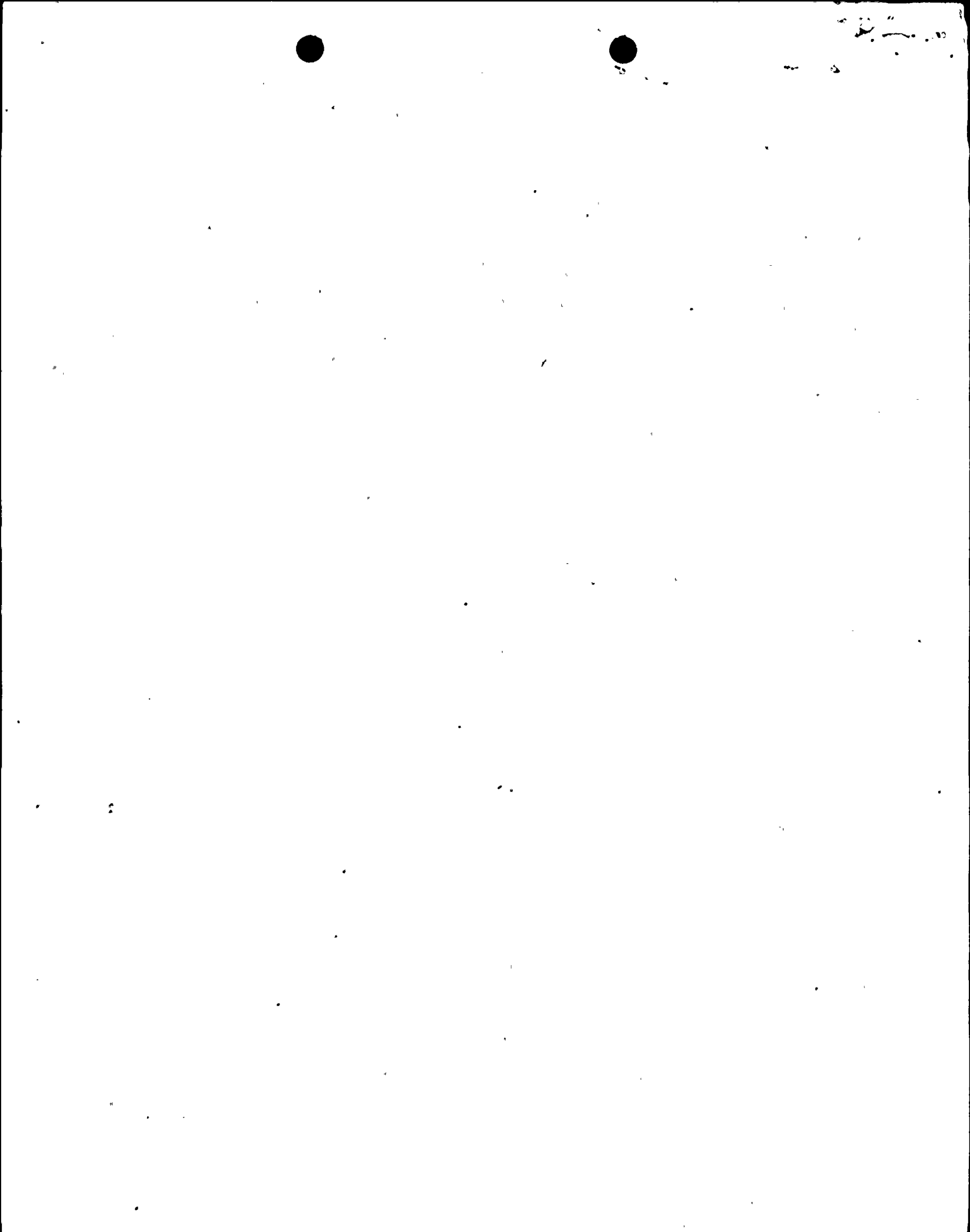
PUBLICITY

17 | NA
7 8 9 80

ADDITIONAL FACTORS

18 | See Page two for continuation of Event Description and Cause Description.
7 8 9 80

19 |
7 8 9 80



EVENT DESCRIPTION (Continued)

Indexes (ASI's) were in accordance with specification 4.2.1.3. This was the first occurrence of loss of the DDPS when reactor power was high enough for compliance with this specification to be a concern. The DDPS was returned to service within 2 hours. This was the fifth time the DDPS has been lost (Reportable Occurrences 335-76-19, 335-76-27, 335-76-38, and 335-76-48) due to various causes.

(335-77-9)

CAUSE DESCRIPTION (Continued)

returned to operation within 2 hours. A previous incorrect computer-to-disk transfer caused the word to be missing from the disk. The computer memory contents were correct, but the disk content error had not been found since this was the first time that the program storage area of the disk had been accessed.

RECEIVED DOCUMENT
PROCESSING UNIT

1977 APR 6 PM 1 31