

**LICENSEE EVENT REPORT**

## UPDATED REPORT

PREVIOUS REPORT DATE: 05-16-80

CONTROL BLOCK: 

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 (1)

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	M	D	C	C	N	2	2	0	0	-	0	0	0	0	0	0	-	0	0	3	4	1	1	1	1	4			5		
7	8	LICENSEE CODE						14	15	LICENSE NUMBER											25	26	LICENSE TYPE					30	57	CAT		58

CON'T

REPORT SOURCE: 01 L6 050003187 0416808 0609839

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | At 1045 while 21 diesel generator was being taken off 24 4KV bus follow-

0 3 | ing a test, steam generator isolation signal (SGIS) B block permitted,

0 4 | SGIS B blocked and LOCI sequencer initiated went into alarm. An investi-

0 5 | gation revealed that two 15 VDC power supplies had no output. They sup-

0 6 | ply ESFAS Logic B cabinet SGIS/RAS/CRS/CSAS, LOCI and shutdown sequencer

0 7 | functions (T.S. 3.3.2.1). The 15 VDC power supplies were reset and ESFAS

0 8 | Logic B Cabinet was returned to service at 1340. Similar event: 79-31 U1.

7 8 9 80

09		SYSTEM CODE		11	CAUSE CODE		12	CAUSE SUBCODE		13	COMPONENT CODE						14	COMP. SUBCODE		15	VALVE SUBCODE		16
7	8	9	10		11	12	13	14	15	16	17	18	19	20									
		EVENT YEAR		21	22	SEQUENTIAL REPORT NO.		23	OCCURRENCE CODE		24	25	REPORT TYPE		26	REVISION NO.		27			28		
17		LER/RO REPORT NUMBER		21	22	023		23	03		24	25	X		26	1				28			
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER							
X		F		Z		Z		0000		Y		N		A		E355							
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53			

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | The suspected cause of the power supplies' output loss is a voltage  
1 1 | disturbance in the inverter output, which affected the input voltage of  
1 2 | the power supplies, causing actuation of the power supplies' overvoltage  
1 3 | protection. Instrument bus and inverter modifications have been done to  
1 4 | prevent recurrence. No further action deemed necessary for this event.

8 9 FACILITY STATUS (28) 30 OTHER STATUS (30) METHOD OF DISCOVERY (31) DISCOVERY DESCRIPTION (32)

1 5 E 1 0 0 N/A A Operator Observation

2 8 0 10 12 13 44 45 46 80

ACTIVITY CONTENT  
RELEASED OF RELEASE AMOUNT OF ACTIVITY (35)

(1) (6) (Z) (33) N/A

2 8 9 10 11 44

LOCATION OF RELEASE (36)

N/A

45 80

PERSONNEL EXPOSURES										
NUMBER			TYPE	DESCRIPTION						
1	7	0	0	0	37	Z	38	N/A		

PERSONNEL INJURIES		NUMBER		DESCRIPTION	
1	8	0	0	0	40 N/A

8	9	11	12		
LOSS OF OR DAMAGE TO FACILITY				(43)	
TYPE DESCRIPTION					
1	9	Z	(42)	N/A	8306210046 830609 PDR ADOCK 05000318 S PDR

7 8 9 10  
PUBLICITY  
ISSUED DESCRIPTION (45)  
[2][0][N][44] N/A  
NRC USE ONLY

NAME OF PREPARER L. F. Basso

PHONE: 301-269-4933

LER NO. 80-23/3X, Rev. 1  
DOCKET NO. 50-318  
LICENSE NO. DPR 69  
EVENT DATE 04-16-80  
REPORT DATE 06-09-83  
ATTACHMENT

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (CONT'D)

The suspected cause of the loss of output of the power supplies involved is a voltage disturbance in the output of the vital inverter that feeds the 120 VAC vital instrument bus to which these power supplies are connected. It is possible, and recent inverter problems demonstrate this, that the power supplies' input voltage increased to a value above the 16 VDC actuation point of the power supplies' overvoltage protection circuitry.

Instrument bus and inverter modifications have been performed to improve the reliability of the 120 VAC vital instrument power system (FCR 83-1001).

No further preventive action is deemed necessary for this event.

# BALTIMORE GAS AND ELECTRIC COMPANY

P.O. BOX 1475

BALTIMORE, MARYLAND 21203

NUCLEAR POWER DEPARTMENT  
CALVERT CLIFFS NUCLEAR POWER PLANT  
LUSBY, MARYLAND 20657

June 9, 1983

Mr. James M. Allan  
Acting Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region 1  
631 Park Avenue  
King of Prussia, PA 19406

Docket No. 50-318  
License No. DPR 69

Dear Mr. Allan:

In accordance with Technical Specification 6.9 please find the attached updated report for LER 80-23/3X, Revision 1.

Should you have any questions regarding this report, we would be pleased to discuss them with you.

Very truly yours,

*LBR*  
L. B. Russell  
Plant Superintendent

LBR:LFB:bsb

cc: Director, Office of Management Information  
and Program Control  
Messrs: A. E. Lundvall, Jr.  
J. A. Tiernan

FE22  
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