

APPROVED BY OMB
3150-0011
EXPIRES 4-30-82

(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	G	3	4	1	1	1	1	4			5
7	8	9		10		11		12		13		14		15		16		17		18		19		20		21		22		23	
				LICENSE NUMBER		CODE								LICENSE NUMBER										LICENSE TYPE							

CON'T

0 1
 2 3
 REPORT SOURCE L 6 0 5 0 0 0 3 1 8 7 0 8 0 9 8 3 8 0 9 0 8 8 3 9
 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | On 9, 22, and 27 August, during normal operations, a failure
0 3 | in the turbine control circuitry caused a rapid closure of
0 4 | the main turbine governor valves. The power mismatch between
0 5 | primary and secondary caused cold leg temperature to exceed
0 6 | 548 degrees F (T.S. 3.2.5). The first 2 events were terminated
0 7 | by initiating a manual reactor trip. The third event was termi-
0 8 | nated by reopening the effected control valves in "turbine manual".

SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE				COMP. SUBCODE		VALVE SUBCODE					
0	9	H	A	E	X	X	X	X	X	X	Z	Z					
7	8	9	10	11	12	13	14	15	16	17	18	19					
LER/RO REPORT NUMBER		EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.							
17	8	3	—	0	4	0	/	0	3	L	—	0					
21	22	23	24	25	26	27	28	29	30	31	32						
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRU-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER	
X	X	A	B	0	1	0	2	Y	N	A	W	1	2	0			
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47			

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1	0	A component failure in the automatic control circuitry of the Main
1	1	Turbine Electro-Hydraulic Control System is suspected to have
1	2	caused the valve closures. Extensive troubleshooting to determine
1	3	the exact failed component is continuing. An update report will be
1	4	submitted describing the details of the investigation.

FACILITY STATUS						% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION
1	5	E	(28)	1	0	0	(29) N/A	A	(31) Operator Observation

ACTIVITY CONTENT
RELEASED OF RELEASE

1 6 Z 33 Z 34 N/A

AMOUNT OF ACTIVITY (35)

LOCATION OF RELEASE (36)

N/A

PERSONNEL EXPOSURES			DESCRIPTION (39)	
NUMBER	TYPE			
1 7	0 0 0	(37) 2	(38)	N/A

PERSONNEL INJURIES		DESCRIPTION	
NUMBER			
18	000	40	N/A

8 9		11 12	
LOSS OF OR DAMAGE TO FACILITY			
TYPE		DESCRIPTION	
1 9	Z (42)	N/A	

8309190129 830908
PDR ADPOCK 050002840

2 0 N 44 N/A

NAME OF PREPARER P. Pieringer/L.F. Basso

PHONE: (301) 269-4742/4933

LER NO.	83-40/3L
DOCKET NO.	50-318
LICENSE NO.	DPR 69
EVENT DATE	08-09-83
REPORT DATE	09-08-83
ATTACHMENT	

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES CONT'D.

On 9, 22, and 27 August during normal operations, a spurious failure in the turbine control circuitry caused a rapid closure of the main turbine governor valves. The power mismatch between primary and secondary caused cold leg temperature to exceed 548 degrees F (T.S. 3.2.5). The first two events were terminated by initiating a manual reactor trip. The third event was terminated by reopening the effected control valves in "turbine manual".

Each event occurred at 100 percent power. Cold leg temperature reached 551, 553.9, 548.8 degrees F respectively. The shut-downs caused by the first two events lasted 76 hours and 26 hours respectively. The third event was of short duration with cold leg temperature greater than the Limiting Condition for Operation for approximately one minute. No similar events have occurred.

BALTIMORE GAS AND ELECTRIC COMPANY

P.O. BOX 1475

BALTIMORE, MARYLAND 21203

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

September 8, 1983

Dr. Thomas E. Murley
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 Dr. Murley:

Attached is LER 83-40/3L, as required per Technical Specification 6.9.

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

Very truly yours,

L.B. Russell

L.B. Russell
Plant Superintendent

LBR:LFB:jcs

cc: Director, Office of Management Information
and Program Control

Messrs: A.E. Lundvall, Jr.
J.A. Tiernan

IE22
11