

CONTROL BLOCK: [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 MDC|C|N|2| 2|0|0|-|0|0|0|0|0|-|0|0| 3|4|1|1|1|1| 4| 5|  
7 8 9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 37 CAT 58

CONT

01 REPORT SOURCE [L] 6|0|5|0|0|0|3|1|8| 7|0|6|2|3|8|3| 8|0|7|2|1|8|3| 9|  
7 8 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 During normal operations, one main steam supply valve to the steam  
03 driven aux feedwater (AFW) pumps failed open causing 21 AFW pump to  
04 start. To repair the valve the auto initiate capability for the steam  
05 driven AFW pumps was defeated (T.S. 3.7.1.2). The AFW system was re-  
06 turned to a normal lineup 12 hours after being declared inoperable. The  
07 motor driven pump remained operable throughout the event.  
08 Similar events: none.

09 SYSTEM CODE [C|H] 11 CAUSE CODE [X] 12 CAUSE SUBCODE [Z] 13 COMPONENT CODE [V|A|L|V|E|X] 14 COMP. SUBCODE [F] 15 VALVE SUBCODE [D] 16  
7 8 9 10 11 12 13 14 15 16 17 18 19 20  
17 LER/RO REPORT NUMBER [8|3] 21 22 SEQUENTIAL REPORT NO. [0|3|5] 24 26 OCCURRENCE CODE [ ] 27 28 29 REPORT TYPE [L] 30 31 REVISION NO. [0] 32  
ACTION TAKEN [A] 18 FUTURE ACTION [Z] 19 EFFECT ON PLANT [Z] 20 SHUTDOWN METHOD [Z] 21 HOURS [0|0|0|0] 22 23 ATTACHMENT SUBMITTED [Y] 23 24 NPRO-4 FORM SUB. [N] 24 PRIME COMP. SUPPLIER [X] 25 COMPONENT MANUFACTURER [F|1|3|0] 26  
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 The cause of the event was the automatic opening of 2-CV-4070 due to  
11 failure of the diaphragm. The probable cause of the diaphragm failure  
12 was inadvertent overpressurization of the diaphragm casing. The dia-  
13 phragm was replaced and valve cycled satisfactorily on 6-24-83. Correc-  
14 tive action will include stamping nameplate with max. allowable pressure.

15 FACILITY STATUS [E] 28 % POWER [1|0|0] 29 OTHER STATUS [N/A] 30 METHOD OF DISCOVERY [A] 31 DISCOVERY DESCRIPTION [Operator Observation] 32  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

16 ACTIVITY CONTENT RELEASED OF RELEASE [Z] 33 AMOUNT OF ACTIVITY [N/A] 35 LOCATION OF RELEASE [N/A] 36  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

17 PERSONNEL EXPOSURES NUMBER [0|0|0] 37 TYPE [Z] 38 DESCRIPTION [N/A] 39  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

18 PERSONNEL INJURIES NUMBER [0|0|0] 40 DESCRIPTION [N/A] 41  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

19 LOSS OF OR DAMAGE TO FACILITY TYPE [Z] 42 DESCRIPTION [N/A] 43  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

20 PUBLICITY ISSUED [N] 44 DESCRIPTION [N/A] 45  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

NAME OF PREPARER P. A. Pieringer/K. B. Cellars PHONE: 301-269-4742/4815

8308090669 830721  
PDR ADOCK 05000318  
S PDR

NRC USE ONLY

IE22

LER NO. 83-35/3L  
DOCKET NO. 50-318  
LICENSE NO. DPR 69  
EVENT DATE 06-23-83  
REPORT DATE 07-21-83  
ATTACHMENT

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (CONT'D)

On June 23, 1983, following routine maintenance attempts to more tightly seat 2-CV-4070 (steam supply from Number 21 Steam Generator to Number 21 Steam Driven Auxiliary Feed Pump); 2-CV-4070 failed open causing Number 21 Auxiliary Feedwater Pump to automatically start. (Number 22 Auxiliary Feedwater Pump was in standby at the time.)

Operating personnel tripped Number 21 Auxiliary Feedwater Pump, causing Number 21 Auxiliary Feedwater Pump to no longer be aligned for automatic initiation (T.S. 3.7.1.2).

2-CV-4070 failed open due to failure of the diaphragm in the valve actuator. The probable cause of the diaphragm failure was inadvertent overpressurization of the diaphragm casing. The diaphragm casing pressure regulator was observed to be set at 90 psi. The maximum pressure setting for the diaphragm casing recommended by the manufacturer is 70 psi.

The diaphragm was replaced, the valve was cycled satisfactorily, and Number 21 Auxiliary Feedwater Pump was aligned for automatic initiation at 1455 on June 24, 1983, terminating the event.

Further corrective action will include marking the nameplate on 2-CV-4070 and other Fisher control valves associated with the auxiliary feedwater modification to indicate the maximum diaphragm casing pressure recommended by the manufacturer. This will provide guidance for maintenance personnel when adjusting the diaphragm casing pressure.

BALTIMORE GAS AND ELECTRIC COMPANY

P.O. BOX 1475  
BALTIMORE, MARYLAND 21203

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

July 21, 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 83-35/3L, as required by Technical Specification 6.9.

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

Very truly yours,

*John Carroll*  
for L. B. Russell  
Plant Superintendent

LBR:KBC:bsb

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

FE22  
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