

LICENSEE EVENT REPORT

UPDATED REPORT

PREVIOUS REPORT DATE: 08-14-79

CONTROL BLOCK: 1

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---|----|----|----|----|----|----|----|----|----|----|----|----------------|----|----|----|----|----|----|----|----|----|--------------|----|----|----|----|--|--|--|--|--|-----|--|
| 0 | 1 | M | D | C | C | N | 1 | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 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 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | | | | | | | |
| LICENSEE CODE | | | | | | | | | | | | | | LICENSE NUMBER | | | | | | | | | | LICENSE TYPE | | | | | | | | | | CAT | |

CON'T

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---------------|----|----|----|----|----|----|----|----|----|------------|----|----|----|----|----|----|----|----|----|-------------|----|----|----|----|----|--|--|--|--|
| 0 | 1 | L | 6 | 0 | 5 | 0 | 0 | 0 | 3 | 1 | 7 | 7 | 0 | 7 | 3 | 1 | 7 | 9 | 8 | 0 | 6 | 0 | 9 | 8 | 3 | 9 | | | | | |
| 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 | 33 | 34 | | | | |
| REPORT SOURCE | | DOCKET NUMBER | | | | | | | | | | EVENT DATE | | | | | | | | | | REPORT DATE | | | | | | | | | |

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | During full power operation at about 1330, after troubleshooting, follow

0 3 | up testing was being performed on the ESFAS UV A logic circuit. When the

0 4 | UV A-4 logic would not initiate, it was observed that the 15 VDC power

0 5 | supplies to A and B UV Actuation cabinets were deenergized (no output

0 6 | voltage with switch turned on). In this condition, the A and B UV logic

0 7 | would not respond when signaled. The power supplies were reset and the

0 8 | UV actuation drawers were returned to service by 1500. No similar events.

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|---|-----------------------|----|-----------------|----|-----------------|----|--------------|----|----------------------|----|------------------|----|----------------------|----|------------------------|----|----|----|----|----|----|----|----|----|----|----|--|--|
| 0 | 9 | I | B | 11 | X | 12 | Z | 13 | G | E | N | E | R | A | 14 | F | 15 | Z | 16 | | | | | | | | | | |
| 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 | 33 | 34 | | |
| SYSTEM CODE | | CAUSE CODE | | CAUSE SUBCODE | | COMPONENT CODE | | | | | | | | COMP. SUBCODE | | VALVE SUBCODE | | | | | | | | | | | | | |
| EVENT YEAR | | SEQUENTIAL REPORT NO. | | OCCURRENCE CODE | | REPORT TYPE | | REVISION NO. | | | | | | | | | | | | | | | | | | | | | |
| 7 9 | | 0 3 1 | | 0 1 | | X | | 1 | | | | | | | | | | | | | | | | | | | | | |
| ACTION TAKEN | | FUTURE ACTION | | EFFECT ON PLANT | | SHUTDOWN METHOD | | HOURS | | ATTACHMENT SUBMITTED | | NPRD-4 FORM SUB. | | PRIME COMP. SUPPLIER | | COMPONENT MANUFACTURER | | | | | | | | | | | | | |
| X 18 | | F 19 | | Z 20 | | Z 21 | | 0 0 0 0 | | Y 23 | | N 24 | | A 25 | | E 3 5 5 | | | | | | | | | | | | | |
| 33 | | 34 | | 35 | | 36 | | 37 | | 40 | | 41 | | 42 | | 43 | | 44 | | | | | | | | | | | |

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,

| | | | | | | | | | | | | |
|-------------------------------|---|--------------------|----|--------------------|----|---------------------|----|-------------------------|----|----|----------------------|----|
| 1 | 5 | E | 28 | 1 | 0 | 0 | 29 | N/A | A | 31 | Operator Observation | 32 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| FACILITY STATUS | | % POWER | | OTHER STATUS | | METHOD OF DISCOVERY | | DISCOVERY DESCRIPTION | | | | |
| E 28 | | 1 0 0 29 | | N/A | | A 31 | | Operator Observation 32 | | | | |
| ACTIVITY RELEASED | | CONTENT OF RELEASE | | AMOUNT OF ACTIVITY | | LOCATION OF RELEASE | | | | | | |
| Z 33 | | Z 34 | | N/A | | N/A 36 | | | | | | |
| PERSONNEL EXPOSURES | | TYPE | | DESCRIPTION | | | | | | | | |
| 0 0 0 37 | | Z 38 | | N/A | | | | | | | | |
| PERSONNEL INJURIES | | TYPE | | DESCRIPTION | | | | | | | | |
| 0 0 0 40 | | N/A | | | | | | | | | | |
| LOSS OF OR DAMAGE TO FACILITY | | TYPE | | DESCRIPTION | | | | | | | | |
| Z 42 | | N/A | | | | | | | | | | |
| PUBLICATION | | DESCRIPTION | | | | | | | | | | |
| N 44 | | N/A | | | | | | | | | | |
| ISSUED | | DESCRIPTION | | | | | | | | | | |
| N 44 | | N/A | | | | | | | | | | |

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PDR ADDCK 05000317
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NRC USE ONLY

NAME OF PREPARER L. F. Basso

PHONE 301-269-4933

LER NO. 79-31/1X, Rev. 1
DOCKET NO. 50-317
LICENSE NO. DPR 53
EVENT DATE 07-31-79
REPORT DATE 06-09-83
ATTACHMENT

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (CONT'D)

The suspected cause of the loss of output of Ch. A UV Actuation 15 VDC power supply is a voltage disturbance in the output of the vital inverter that feeds this power supply. It is possible that the power supply's 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

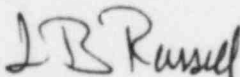
Docket No. 50-317
License No. DPR 53

Dear Mr. Allan:

In accordance with Technical Specification 6.9 please find the attached updated report for LER 79-31/1X, Revision 1.

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

Very truly yours,



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

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7/1