

LICENSEE EVENT REPORT

CONTROL BLOCK: 1 2 3 4 5 6 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 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 2 3 4 5 6 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 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

CON'T

0 1 2 3 4 5 6 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 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | During normal plant operation, an operator on a plant tour observed "B"

0 3 | Chlorine detector wick to be dry. Although the electrolyte reservoir

0 4 | indicated full, when checked it was discovered to be dry rendering the

0 5 | detector inoperable (T.S. 3.3.3.7). The channel was tripped within 6

0 6 | minutes of the event, the detector refilled and returned to service 44

0 7 | minutes later. This was the first event of this type. There was no

0 8 | affect on plant safety as the two remaining channels remained operable.

0 9 | SYSTEM CODE: S G 11 | CAUSE CODE: B 12 | CAUSE SUBCODE: B 13 | COMPONENT CODE: I N S T R U 14 | COMP. SUBCODE: E 15 | VALVE SUBCODE: Z 16 |

17 | LER/RO REPORT NUMBER: 8 3 | EVENT YEAR: 8 3 | SEQUENTIAL REPORT NO.: 0 1 3 | OCCURRENCE CODE: 0 3 | REPORT TYPE: L | REVISION NO.: 0 |

ACTION TAKEN: B 18 | FUTURE ACTION: G 19 | EFFECT ON PLANT: Z 20 | SHUTDOWN METHOD: Z 21 | HOURS: 0 0 0 0 | ATTACHMENT SUBMITTED: Y 23 | NPD-4 FORM SUB.: N 24 | PRIME COMP. SUPPLIER: A 25 | COMPONENT MANUFACTURER: W 0 2 5 26 |

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | The detector reservoir was allowed to run dry because of binding of the

1 1 | level indicator. The reason the indicator stuck is unknown. The chlorine

1 2 | detector is a Wallace & Tiernan series 50-125 model. The level indicator

1 3 | was freed and returned to service. Recommendations for reservoir

1 4 | filling frequencies are being prepared.

1 5 | FACILITY STATUS: E 28 | % POWER: 0 9 9 29 | OTHER STATUS: N/A 30 | METHOD OF DISCOVERY: B 31 | DISCOVERY DESCRIPTION: Shift Surveillance 32 |

1 6 | ACTIVITY CONTENT RELEASED: Z 33 | Z 34 | AMOUNT OF ACTIVITY: N/A 35 | LOCATION OF RELEASE: N/A 36 |

1 7 | PERSONNEL EXPOSURES NUMBER: 0 0 0 37 | TYPE: Z 38 | DESCRIPTION: N/A 39 |

1 8 | PERSONNEL INJURIES NUMBER: 0 0 0 40 | DESCRIPTION: N/A 41 |

1 9 | LOSS OF OR DAMAGE TO FACILITY TYPE: Z 42 | DESCRIPTION: N/A 43 |

2 0 | PUBLICITY: N 44 | DESCRIPTION: N/A 45 |

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PDR ADOCK 05000334
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NRC USE ONLY



Duquesne Light

Nuclear Division
P.O. Box 4
Shippingport, PA 15077-0004

Telephone (412) 456-6000

May 19, 1983
ND1SS1:840

Beaver Valley Power Station, Unit No. 1
Docket No. 50-334, License No. DPR-66
LER 83-013/03L

Mr. J. M. Allen, Acting Regional Administrator
United States Nuclear Regulatory Commission
Region 1
631 Park Avenue
King of Prussia, PA 19406

Dear Mr. Allen:

In accordance with Appendix A, Beaver Valley Technical Specifications,
the following Licensee Event Report is submitted:

LER 83-013/03L, Technical Specification 3.3.3.7, Chlorine Detection
System.

Very truly yours,

Wm. S. Lacey
Station Superintendent

Attachment

IER
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J. M. Allen
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May 19, 1983
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cc: Director of Management & Program Analysis
United States Nuclear Regulatory Commission
Washington, D.C. 20555

C. A. Roteck, Ohio Edison

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Washington, D.C. 20555

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Attachment to LER 83-013/03L
Beaver Valley Power Station
Duquesne Light Company
Docket No. 50-334

The chlorine detector electrolyte reservoir had run dry after the mechanical reservoir level indicator stuck in the near full position. As the reservoir continued to drain, the operators were unaware that it required electrolyte and so allowed it to run dry. This is the first incidence of a stuck level indicator experienced at Beaver Valley.

To prevent reoccurrence, a study has been made to conservatively determine when the reservoir should empty depending on electrolyte drip rate. Based on this, recommendations are being made for reservoir filling frequencies which will insure adequate electrolyte volume at all times.