

LICENSEE EVENT REPORT

DEC 16 1983

252 B&W

CONTROL BLOCK 1874671 (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 | P | A | T | M | I | 2 | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | 5

CON'T REPORT SOURCE L 6 | 0 | 5 | 0 | 0 | 0 | 3 | 2 | 0 | 7 | 0 | 6 | 2 | 9 | 8 | 2 | 8 | 1 | 0 | 3 | 1 | 8 | 3 | 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

02 | At 1605 hours on June 29, 1982, the Air Intake Tunnel (AIT) Halon System actuated. |
03 | This caused the actuation of the AIT Deluge System and tripped the Auxiliary and Fuel |
04 | Handling Buildings supply and exhaust fans. This event is considered reportable per |
05 | Tech Spec 6.9.1.9(b) due to entry into and compliance with the Action Statements of |
06 | Tech Spec 3.9.12 and 3.7.10.3 as a result of low ventilation flowrate and inoperability |
07 | (due to discharge) of the Halon System, respectively. This event had no effect on |
08 | the health and safety of the public. Similar event: IER 82-018. |

09 | A | B | 11 | C | 12 | Z | 13 | Z | Z | Z | Z | Z | Z | 14 | Z | 15 | Z | 16 |
17 | LER NO REPORT NUMBER 8 | 2 | 23 | 0 | 2 | 3 | 26 | 0 | 3 | 29 | X | 30 | 1 | 32 |
18 | ACTION TAKEN X | 18 | F | 19 | Z | 20 | Z | 21 | 0 | 0 | 0 | 0 | 40 | Y | 23 | N | 24 | Z | 25 | Z | 9 | 9 | 9 | 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

10 | The initiating cause of the event is attributed to lightning actuating the ultraviolet |
11 | light detectors in the Air Intake Tunnel. The system operated as designed performing |
12 | the subsequent system actuating/trips. The Halon and Deluge Systems were secured and |
13 | the ventilation systems restored at 1710 hours on June 29, 1982. The Halon System |
14 | was recharged and returned to service at 1827 hours on July 9, 1982. |

15 | X | 28 | 0 | 0 | 0 | 29 | Recoverly Mode | A | 31 | System actuation |

16 | Z | 33 | Z | 34 | N/A | N/A |

17 | 0 | 0 | 0 | 37 | Z | 38 | N/A |

18 | 0 | 0 | 0 | 40 | N/A | 8311210400 831031 PDR ADDOCK 05000320 S PDR

19 | Z | 42 | N/A |

20 | N | 44 | N/A |

LER 82-023/03X-1
EVENT DATE - June 29, 1982

I. EXPLANATION OF THE OCCURRENCE

At 1065 hours on June 29, 1982, the Air Intake Tunnel (AIT) Halon System actuated. This triggered the actuation of the AIT Deluge System which in turn tripped the supply and exhaust fans in the Auxiliary and Fuel Handling Buildings. The tripping of the fans resulted in ventilation flowrates below the Tech Spec minimum allowable flowrates in both buildings. This placed the unit in the Action Statement of Tech Spec 3.9.12. The ventilation in both the Auxiliary and Fuel Handling Buildings was restored to the Tech Spec operating band at 1710 hours on June 29, 1982.

Halon System actuation results in full discharge of the actuated banks. The actuation of June 29, 1982, rendered the AIT Halon System out-of-service, since it was discharged and therefore non-functional, and thus resulted in placing the unit in the Action Statement of Tech Spec 3.7.10.3.

These events are considered reportable under Technical Specification 6.9.1.9(b) due to inadvertent entry into and compliance with the Action Statements of the above Tech Specs.

II. CAUSE OF THE OCCURRENCE

The cause of the AIT Halon System actuation has been determined to be the result of adverse weather conditions existing at that time. It is believed that a large atmospheric electrical discharge (lightning) caused the ultraviolet detectors/actuators to trip. This in turn caused the Halon System to actuate, the AIT Deluge System actuation, and the ventilation fan trips due to system interlocks (see Unit 2 Operating Procedure 2104-6.1).

III. CIRCUMSTANCES SURROUNDING THE OCCURRENCE

At the time of the occurrence, the Unit 2 facility was in a long-term cold shutdown state. The reactor decay heat was being removed via loss to ambient. Throughout the event there was no effect on the Reactor Coolant System or the core.

IV. CORRECTIVE ACTIONS TAKEN OR TO BE TAKEN

Immediate - The AIT Halon System was secured, along with the Deluge System.

The Auxiliary and Fuel Handling Building ventilation fans were also restarted and flowrates returned to Tech Spec limits.

The AIT Halon was recharged and then returned to service at 1827 hours on July 9, 1982.

Long-Term - Louvers were installed in the openings of the AIT structure on August 1, 1983, in order to preclude future actuations due to a light flash from nearby lightning.

V. COMPONENT FAILURE DATA

N/A



GPU Nuclear Corporation
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Middletown, Pennsylvania 17057-0191
717 944-7621
TELEX 84-2386
Writer's Direct Dial Number:

October 31, 1983
4410-83-L-0243

Office of Inspection and Enforcement
Attn: Dr. Thomas E. Murley
Regional Administrator
US Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, PA 19406

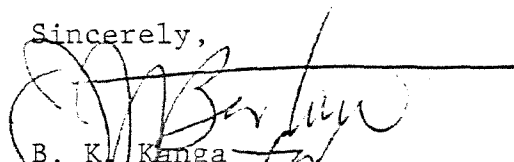
Dear Sir:

Three Mile Island Nuclear Station, Unit 2 (TMI-2)
Operating License No. DPR-73
Docket No. 50-320
Updated Licensee Event Reports

The Licensee Event Reports listed in Attachment 1 have been updated and are enclosed as Attachment 2 to this letter.

If you have any questions, please contact Mr. J. J. Byrne of my staff.

Sincerely,



B. K. Kanga
Director, TMI-2

BKK/JJB/RDW/jep

Attachments

CC: Mr. L. H. Barrett, Deputy Program Director - TMI Program Office
Dr. B. J. Snyder, Program Director - TMI Program Office

8311210334 831031
PDR ADOCK 05000320
S PDR

LIST OF UPDATED LICENSEE EVENT REPORTS

- 80-27 Closing of Deluge Isolation Valves FS-V-4-22B, 4-23B, and 4-24B.
- 80-39 Halon bottles below weight.
- 81-11 Inoperability of Nuclear Service River Water Pump "A".
- 81-24 Excessive Reactor Coolant System leakage.
- 81-30 Improper administrative controls for containment penetration isolation valves.
- 81-37 Nuclear Service River Water Pump NR-P-1B inoperability.
- 82-01 Inoperability of the Auxiliary Building Ventilation System.
- 82-23 Actuation of the AIT Halon System.
- 82-41 Inoperability of the Auxiliary Building Ventilation System.
- 83-01 Inoperability of "A" OTSG pressure indicators.
- 83-04 Failure of the AIT Deluge System.
- 83-06 Leak Testing of the Reactor Building Personnel Airlock No. 2.
- 83-14 Actuation of the Air Intake Tunnel Halon System.