

MAR 10 1982



GPU Nuclear
P.O. Box 480
Middletown, Pennsylvania 17057
717-944-7621
Writer's Direct Dial Number:

February 17, 1982
4400-82-L-0028

Office of Inspection and Enforcement
Attn: Mr. Ronald C. Haynes, Director
Region I
U. S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, Pennsylvania 19406

Dear Sir:

Three Mile Island Nuclear Station, Unit 2 (TMI-2)
Operating License No. DPR-73
Docket No. 50-320
Licensee Event Report 82-05/03L-0

Attached please find Licensee Event Report 82-05/03L-0 concerning the failure to start of Long Term "B" pump, LTB-P-1, on January 18, 1982.

This event concerns Section 3.7.1 and is considered reportable under Section 6.9.1.9(b) of the Interim Recovery Technical Specifications.

Sincerely,

A handwritten signature in cursive script, appearing to read "J. J. Barton".

J. J. Barton
Acting Director, TMI-2

JJB:SDC:djb

Attachments

cc: L. H. Barrett, Deputy Program Director
Dr. B. J. Snyder, Program Director, TMI Program Office
V. Stello, Deputy Executive Director
Operations & Generic Requirements
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

8200020126 820217
PER ADDCK 05000320
3 PER

Handwritten initials/signature

LICENSEE EVENT REPORT

Attachment 1
4400-82-L-0028

CONTROL BLOCK: _____ (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 | P | A | T | M | I | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | 5
7 8 9 14 15 25 26 30 57 58

CON'T
0 1 | REPORT SOURCE | L | 0 | 5 | 0 | 0 | 0 | 3 | 2 | 0 | 7 | 0 | 1 | 1 | 8 | 8 | 2 | 8 | 0 | 2 | 1 | 7 | 8 | 2 | 9
7 8 60 61 68 69 74 75 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | At 0625 hours on January 18, 1982 during performance of Surveillance Procedure
0 3 | 4303-M-19, Long Term "B" (LTB) pump LTB-P-1 failed to start. This event had no
0 4 | effect on the plant, its operation, or the health and safety of the public.
0 5 | This event is considered reportable pursuant to Tech Spec 6.9.1.9(b) due to entry
0 6 | into a compliance with the action statement of Tech Spec 3.7.1.
0 7 |
0 8 |

0 9 | SYSTEM CODE | C | H | 11 | CAUSE CODE | E | 12 | CAUSE SUBCODE | B | 13 | COMPONENT CODE | C | K | T | B | R | K | 14 | COMP SUBCODE | E | 15 | VALVE SUBCODE | Z | 16
7 8 9 10 11 12 13 18 19 20

17 | LER/RO REPORT NUMBER | 8 | 2 | 21 | 22 | SEQUENTIAL REPORT NO | 0 | 0 | 5 | 24 | 26 | OCCURRENCE CODE | 0 | 3 | 28 | 29 | REPORT TYPE | L | 30 | REVISION NO. | 0 | 32
18 | ACTION TAKEN | B | 33 | FUTURE ACTION | Z | 34 | EFFECT ON PLANT | Z | 35 | SHUTDOWN METHOD | Z | 36 | HOURS | 0 | 0 | 0 | 37 | 40 | ATTACHMENT SUBMITTED | Y | 41 | NRPD-4 FORM SUB. | N | 42 | PRIME COMP. SUPPLIER | A | 43 | COMPONENT MANUFACTURER | W | 1 | 2 | 0 | 44 | 47 | 25

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | The event was attributed to a malfunction of a limit switch that was part of the pump
1 1 | motor breaker closing mechanism. The limit switch stuck in the "breaker open, closing
1 2 | spring charged" position resulting in rendering the breaker nonfunctional. The
1 3 | apparent cause was due to dust on the limit switch. The switch was cycled to ensure it
1 4 | operated correctly. No further corrective actions were considered appropriate.

1 5 | FACILITY STATUS | X | 28 | % POWER | 0 | 0 | 0 | 29 | OTHER STATUS | Recovery mode | 30 | METHOD OF DISCOVERY | B | 31 | DISCOVERY DESCRIPTION | Operator Observation | 32
7 8 9 10 12 13 44 45 46 80

1 6 | ACTIVITY CONTENT | Z | 33 | Z | 34 | AMOUNT OF ACTIVITY | N/A | 35 | LOCATION OF RELEASE | N/A | 36
7 8 9 10 11 44 45 80

1 7 | PERSONNEL EXPOSURES | 0 | 0 | 0 | 37 | Z | 38 | DESCRIPTION | N/A | 39
7 8 9 11 12 13 80

1 8 | PERSONNEL INJURIES | 0 | 0 | 0 | 40 | DESCRIPTION | N/A | 41
7 8 9 11 12 80

1 9 | LOSS OF OR DAMAGE TO FACILITY | Z | 42 | DESCRIPTION | N/A | 43
7 8 9 10 80

2 0 | PUBLICITY ISSUED | X | 44 | DESCRIPTION | N/A | 45 | NRC USE ONLY
7 8 9 10 68 69 80

LICENSEE EVENT REPORT
NARRATIVE REPORT
TMI-II
LER 82-05/03L-0
EVENT DATE - January 18, 1982

I. EXPLANATION OF OCCURRENCE

At 0625 hours on January 18, 1982, during the performance of Surveillance Procedure 4303-M19, "Long Term OTSG "B" Cooldown System Operability Test", LTB pump LTB-P-1 failed to start. This event placed the Licensee in the action statement of Technical Specification (Tech Spec) 3.7.1 and, hence, commenced the 72 hour Tech Spec Time Clock associated with the action statement.

The problem was investigated, corrected, and the pump returned to service at 1830 hours on January 18, 1982.

This event is considered reportable under Section 6.9.1.9(b) due to entry into and compliance with the action statement of Tech Spec 3.7.1.

II. CAUSE OF THE OCCURRENCE

The cause of the event was attributed to a malfunction of a limit switch that was part of the pump motor breaker closing mechanism. The limit switch stuck in the Breaker Open, Closing Spring Charged Position (resulting in rendering the breaker nonfunctional). The cause for the limit switch sticking was apparently due to dust on the limit switch.

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 problem was investigated and determined to be a limit switch stuck in the "charged" position. Once moved from the "stuck" position, the limit switch cycled without restriction. The limit switch was cycled several times to ensure it operated correctly. No further repairs or actions were undertaken.

LONG TERM

No additional action is deemed appropriate at this time based on the following:

1. There exists no documentation of prior problems with limit switches in 4160 volt Bus charging motors. Due to this fact, it is believed that this problem has not occurred before in this unit.

2. The malfunctioned limit switch was located in the electrical system for the LTB system, which is currently not being used.

3. A request to delete LTB from the Tech. Specs. has been submitted (TSCR #33).

V. COMPONENT FAILURE DATA

Westinghouse - OT1A Oil Tite Contact Block Motor Switch, Part No. 450D.818G02 (manufactured by Westinghouse Pittsburgh, Pa.)