

Update on failed windspeed and air temperature monitors

362

NRC FORM 368 (7-77)

LICENSEE EVENT REPORT

NOV 16 1984

B&W

CONTROL BLOCK: 119153431 (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 P A T M I 2 0 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 1 2 0 2 8 2 8 1 0 1 2 8 4 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10 At 1030 hours on December 2, 1982, the Unit 2 Control Room indication for windspeed direction and air temperature Delta-T were determined to have failed. An investigation was initiated. The instruments were returned to service at 1115 hours on December 2, 1982. At 1035 hours on December 13, 1982, the same instruments failed again. An investigation was performed and corrective action taken. The instruments were returned to service at 1555 hours on December 13, 1982. These events had no effect on the plant, its operation, or the health and safety of the public.

09 SYSTEM CODE I E 11 CAUSE CODE X 12 CAUSE SUBCODE Z 13 COMPONENT CODE X X X X X X 14 COMP. SUBCODE Z 15 VALVE SUBCODE Z 16

TRD

Rev. 0 on file

17 LER/RO REPORT NUMBER 8 2 23 0 3 8 27 0 3 30 X 31 1 32

ACTION TAKEN X 18 A 19 EFFECT ON PLANT Z 20 SHUTDOWN METHOD Z 21 HOURS 0 0 0 0 22 ATTACHMENT SUBMITTED Y 23 NPRO-4 FORM SUB. N 24 PRIME COMP. SUPPLIER A 25 COMPONENT MANUFACTURER Z 9 9 9 9 26

10 The causes were problems associated with a loose cable plug. The plug locking screws which normally hold the connector securely in place had failed. In addition, the metal contacts in the plug were separating from the plug due to the weight of the cable. This created a discontinuity in some of the conductors of the plug. The defective plug has been replaced.

15 FACILITY STATUS X 28 % POWER 0 0 0 29 OTHER STATUS Recovery Mode 30 METHOD OF DISCOVERY A 31 DISCOVERY DESCRIPTION Operator observation 32

16 ACTIVITY CONTENT Z 33 Z 34 AMOUNT OF ACTIVITY N/A 35 LOCATION OF RELEASE N/A 36

17 PERSONNEL EXPOSURES NUMBER 0 0 0 37 TYPE Z 38 DESCRIPTION N/A 39

18 PERSONNEL INJURIES NUMBER 0 0 0 40 DESCRIPTION N/A 41

19 LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 DESCRIPTION N/A 43 8410230060 841012 PDR ADOCK 05000320 S PDR

20 PUBLICITY ISSUED N 44 DESCRIPTION N/A 45

LER 82-038/03L-1
EVENT DATE - December 2 and 13, 1982

I. EXPLANATION OF THE OCCURRENCE

At 1030 hours on December 2, 1982, the Unit 2 Control Room indication for windspeed, direction, and air temperature ΔT were determined to have failed. The instruments were declared inoperable and an investigation to determine the cause was initiated. The Windspeed/Direction and Air Temperature ΔT instruments were returned to service at 1115 hours on December 2, 1982. At 1035 hours on December 13, 1982, the Unit 2 Control Room indication for windspeed, direction, air temperature ΔT failed again. The instruments were declared inoperable and repairs effected. The instruments were returned to service at 1555 hours on December 13, 1982. Both conditions placed the unit in the Action Statement of Technical Specification 3.3.3.4 and are considered reportable pursuant to Section 6.9.1.9(b) of the Recovery Technical Specifications.

II. CAUSE OF THE OCCURRENCE

The causes, as determined after the second failure, were problems associated with a loose cable plug. The plug was part of the instrument electrical harness where it entered the processor cabinet in the meteorological instrument shack. The plug locking screws, which normally hold the connector securely in place, had failed. In addition, the metal contacts in the plug were separating from the plug due to the weight of the cable. This is believed to be the cause of the December 2, 1982, failure as well.

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

Upon discovery of the failure on December 2, an investigation was initiated to determine the cause of the problem. It was observed that the instrument readouts local to the meteorological tower were operating. The Control Room was notified that the instruments seemed to be functioning. The Control Room noted at this time that the Control Room indication was again in service. The instrument loops were checked and no problems were found. It was also verified later that the power supply for the instruments had not failed nor been removed from service at the time of the event.

For the event on December 13, 1982, investigation identified an open

circuit in some of the conductors of the processor cabinet plug. The connector was bypassed as a temporary measure. The defective plug has been replaced.

V. COMPONENT FAILURE DATA

N/A



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October 12, 1984

US Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

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 concerning this information, please contact Mr. J. J. Byrne of my staff.

Sincerely,

F. R. Standerfer
Vice President/Director, TMI-2

FRS/RDW/jep

Attachments

cc: Regional Administrator - Office of I & E, Dr. T. E. Murley
Program Director - TMI Program Office, Dr. B. J. Snyder
Deputy Program Director - TMI Program Office, Mr. L. H. Barrett

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