

UPDATE REPORT -- PREVIOUS REPORT DATE July 11, 1983

NRC FORM 366 (7-77)

Update on T-Hot temperature indicator demeritized PCS

U. S. NUCLEAR REGULATORY COMMISSION

303

LICENSEE EVENT REPORT

NOV 16 1984

B&W

CONTROL BLOCK: 1915141101

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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

01 | L | 0 | 5 | 0 | 0 | 0 | 3 | 2 | 0 | 7 | 0 | 6 | 0 | 9 | 8 | 3 | 8 | 1 | 0 | 1 | 2 | 8 | 4 | 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 | On June 9, 1983, while the Bailey 855 Plant Computer was out-of-service for checks,
03 | Panel 4 indications for Reactor Coolant System "A" Loop T-hot and T-cold were
04 | utilized. At 1300 hours the Control Room Operator observed that the "A" loop T-hot
05 | indicated 560°F (approximately 88° was expected). A check of alternate
06 | instrumentation showed 246°F. Therefore, the "A" loop T-hot instrument was declared
07 | inoperable. This event concerns Section 3.3.3.6 and is considered reportable
08 | pursuant to Tech Spec 6.9.1.9(b). No effect on the plant or safety of the public.

09 | I | D | A | C | X | X | X | X | X | X | Z | Z

17 | 8 | 3 | 0 | 2 | 2 | 0 | 3 | X | Z | 1 | 1
18 | F | Z | Z | 0 | 0 | 0 | 0 | Y | N | A | Z | 9 | 9 | 9

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 | Investigation determined that between 1215 and 1300 hours on June 9, 1983, the fuse
11 | for the "A" loop T-hot instrumentation was removed inadvertently. The mistake was
12 | apparently the result of parallel numbering of multiple rows of fuses within Cabinet
13 | 149, thereby resulting in the wrong fuse being pulled. The fuse was replaced and
14 | the instrument returned to service. Additional corrective action has been completed.

15 | X | 0 | 0 | 0 | Recovery Mode | A | Operator observation

16 | Z | Z | N/A | N/A

17 | 0 | 0 | 0 | Z | N/A

18 | 0 | 0 | 0 | N/A

19 | Z | N/A

20 | N | N/A

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NAME OF PREPARER Russ Wells

PHONE (717) 948-8461

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Terrest

Rev. 0
on file

LER 83-022/03X-1
EVENT DATE - June 9, 1983

I. EXPLANATION OF THE OCCURRENCE

On June 9, 1983, the Instrument and Controls Department was performing checks on the Bailey 855 plant computer which resulted in the computer being taken out-of-service. This necessitated using Panel 4 indications for the Reactor Coolant System (RCS) "A" loop T-hot and T-cold (hot and cold leg temperatures). At 1300 hours the Control Room Operator (CRO) observed that the "A" loop T-hot indication was higher than expected. Normal T-hot is approximately 88 degrees farenheit, but Panel 4 indicated 560 degrees farenheit which is midscale of the indicator. A reading was then obtained from the cable room patch panel instrument readout. This reading was 246 degrees farenheit. As a result of these readings, the "A" loop T-hot instrument was declared out-of-service. Investigation determined the cause of the erroneous readings, the fault was corrected, and the instruments were returned to service at 1735 hours on June 9, 1983.

This event is considered reportable pursuant to Technical Specification 6.9.1.9(b) due to entry into and compliance with the Action Statement of Technical Specification 3.3.3.6, Table 3.3-10.

This LER is similar in nature to LER 83-13.

II. CAUSE OF THE OCCURRENCE

Investigation determined that between 1215 and 1300 hours on June 9, 1983, the fuse for the "A" loop T-hot instrumentation was removed by mistake. This fuse is located in Cabinet No. 149 in the relay room (or cable room). This cabinet had identically numbered fuses on both sides and the technician went to the wrong side. Apparently the lack of discrete in-place identification of the fuses misled the technician.

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: Fuses were replaced and the instrument was returned to service.

Long-Term: Bakelite tags were fabricated for the non-nuclear instrument cabinet fuse panels. These tags will make the fuses more readily identifiable. This was completed on August 12, 1983.

The importance of identifying the proper components was communicated to appropriate personnel during weekly department meetings; completed as of July 21, 1983.

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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LER UPDATE PACKAGE

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83-007/03X-1
83-020/03X-1
83-021/03X-1
83-022/03X-1
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83-025/03X-1
83-031/03X-1
83-036/03X-2
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83-042/01X-1
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