

UPDATE REPORT -- PREVIOUS REPORT DATE July 11, 1983

NOV 16 1984

363

NRC FORM 366 (7-77)

Update of LOW FLOW RATE FOR AUXILIARY BUILDING EXHAUST FANS

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

CONTROL BLOCK: 195409 1

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

BFW

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

CON'T
01 | REPORT SOURCE | L | 6 | 0 | 5 | 0 | 0 | 0 | 3 | 2 | 0 | 7 | 0 | 6 | 1 | 0 | 8 | 3 | 8 | 1 | 1 | 0 | 1 | 2 | 8 | 4 | 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

02 | On June 10, 1983, from 0840 to 0925 hours and 1715 to 1730 hours, the flowrate for
03 | the Auxiliary Building (AB) Exhaust Fans AH-V-8A/B decreased below the minimum limit
04 | of 54,000 cfm. Exhaust Fans C/D were out-of-service due to surveillance. This
05 | placed the unit in the Action Statement of Tech Spec 3.9.12.2.a. This event is
06 | reportable pursuant to Tech Spec 6.9.1.9(b). This event had no effect on the
07 | health and safety of the public. This event is similar in nature to LER's 82-14
08 | and 82-28.

09 | SYSTEM CODE | A | A | 11 | CAUSE CODE | E | 12 | CAUSE SUBCODE | B | 13 | COMPONENT CODE | V | A | L | V | E | X | 14 | COMP. SUBCODE | N | 15 | VALVE SUBCODE | G | 16

17 | LER/RO REPORT NUMBER | 8 | 3 | 21 | 22 | SEQUENTIAL REPORT NO. | 0 | 2 | 0 | 24 | 26 | OCCURRENCE CODE | 0 | 3 | 27 | 29 | REPORT TYPE | X | 30 | 31 | REVISION NO. | 1 | 32

ACTION TAKEN | X | 18 | 33 | FUTURE ACTION | B | 19 | 34 | EFFECT ON PLANT | Z | 20 | 35 | SHUTDOWN METHOD | Z | 21 | 36 | HOURS | 0 | 0 | 0 | 0 | 37 | 40 | ATTACHMENT SUBMITTED | Y | 23 | 41 | 25 | N | 24 | 42 | PRIME COMP. SUPPLIER | A | 25 | 43 | COMPONENT MANUFACTURER | 8 | 5 | 1 | 5 | 26 | 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

10 | The cause of this event was due to problems with the vortex damper linkage for the
11 | A and B fans which caused the flowrate to fluctuate. The exhaust flowrate was
12 | returned to Tech Spec limits. Exhaust Fans C/D were returned to service. The
13 | vortex damper linkage for the A/B fans has been repaired.

14 | FACILITY STATUS | X | 28 | 8 | 9 | % POWER | 0 | 0 | 0 | 29 | 10 | 12 | OTHER STATUS | Recovery Mode | 30 | 13 | METHOD OF DISCOVERY | A | 31 | 44 | 45 | DISCOVERY DESCRIPTION | Operator observation | 32 | 46 | 80

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

16 | PERSONNEL EXPOSURES NUMBER | 0 | 0 | 0 | 37 | 8 | 9 | TYPE | Z | 38 | 10 | 11 | DESCRIPTION | N/A | 39 | 12 | 80

17 | PERSONNEL INJURIES NUMBER | 0 | 0 | 0 | 40 | 8 | 9 | DESCRIPTION | N/A | 41 | 10 | 11 | 80

18 | LOSS OF OR DAMAGE TO FACILITY TYPE | Z | 42 | 8 | 9 | DESCRIPTION | N/A | 43 | 10 | 11 | 8410230072 841012 PDR ADDCK 05000320 S PDR

19 | PUBLICITY ISSUED DESCRIPTION | N | 44 | 8 | 9 | DESCRIPTION | N/A | 45 | 10 | 11 | NRC USE ONLY

NAME OF PREPARER Russ Wells PHONE (717) 948-8461

10-21-85
Wells

Rev. 0 on file

LER 83-020/03X-1
EVENT DATE - June 10, 1983

I. EXPLANATION OF THE OCCURRENCE

On June 10, 1983, from 0840 to 0925 hours and 1715 to 1730 hours, the flowrate for the Auxiliary Building (AB) Exhaust Fans AH-E-8A/B decreased below the minimum required flowrate of 54,000 cfm as specified in Technical Specification 3.9.12.2.a. At the time of these events, the AB Exhaust Fans AH-E-8C/D were out-of-service due to surveillance testing. With the flowrate for Exhaust Fans A and B fluctuating below Technical Specification limits, and Exhaust Fans C and D out-of-service due to surveillance, the unit entered into the Action Statement of Technical Specification 3.9.12.2.a.

This event is considered reportable under Section 6.9.1.9(b) due to entry into and compliance with the requirements of the Action Statement of Technical Specification 3.9.12.2.a.

This event is similar in nature to LER's 82-14 and 82-28 in that it concerns fluctuations of the AB exhaust flowrate.

II. CAUSE OF THE OCCURRENCE

The cause of the two instances of the AB exhaust flowrate decreasing below the Technical Specification limit has been attributed to problems with the vortex damper linkage for the A and B fans. The linkage sporadically "sticks" which causes the exhaust flowrate to fluctuate. This problem with the vortex damper has been identified and corrective action initiated prior to this event; however, with the C and D fans required to be placed out-of-service due to surveillance testing, the A and B fans were operated and subsequently the exhaust flowrate fluctuated below the minimum Technical Specification limit.

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: In both situations, the AB exhaust flowrate was returned to Technical Specification limits and the AB Exhaust System returned to operable status.

Long-Term: Exhaust fans C and D were returned to service after completion of surveillance. Work requests were issued to repair the linkage for the A and B vortex dampers. These work requests were completed on August 25, 1983.

V. COMPONENT FAILURE DATA

Vortex Damper D4018A linkage arm -- Buffalo Forge
Vortex Damper D4018B air cylinder -- Johnston Control



GPU Nuclear Corporation
Post Office Box 480
Route 441 South
Middletown, Pennsylvania 17057-0191
717 944-7621
TELEX 84-2386
Writer's Direct Dial Number:

(717) 948-8461

4410-84-L-0045
Document ID 0017A

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

8410230034 841012
PDR ADOCK 05000320
S PDR

GPU Nuclear Corporation is a subsidiary of the General Public Utilities Corporation

IE 22
1/1

LER UPDATE PACKAGE

82-038/03L-1
83-007/03X-1
83-020/03X-1
83-021/03X-1
83-022/03X-1
83-023/01X-1
83-024/01X-1
83-025/03X-1
83-031/03X-1
83-036/03X-2
83-040/03X-1
83-042/01X-1
83-043/03X-1
83-044/03X-1
83-046/03X-1
83-050/01X-1
83-051/03X-1
83-052/03X-1
83-055/03X-1