

Low flow in auxiliary building ventilation system
FEB 15 1984
LICENSEE EVENT REPORT

263

B&W

CONTROL BLOCK 1181829101

(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 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 1 | 4 | 5

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

02 | On December 1, 1983 at approximately 1003 hours the Auxiliary

03 | Building ventilation system was declared inoperable due to low flow conditions.

04 | The ventilation system was restored to an operable status at 1820 on December 1, 1983.

05 | This event is considered reportable pursuant to Tech Spec 6.9.1.9(b) due to entry

06 | into the action statement of Tech Spec 3.9.12.2. This event had no effect on the

07 | health and safety of the public. This LER is similar to LER 82-07.

08

09 | SYSTEM CODE | CAUSE CODE | CAUSE SUBCODE | COMPONENT CODE | COMP. SUBCODE | VALVE SUBCODE

17 | LER-RO REPORT NUMBER | EVENT YEAR | SEQUENTIAL REPORT NO. | OCCURRENCE CODE | REPORT TYPE | REVISION NO.

ACTION TAKEN | FUTURE ACTION | EFFECT ON PLANT | SHUTDOWN METHOD | HOURS | ATTACHMENT SUBMITTED | NPRD-4 FORM SUB. | PRIME COMP. SUPPLIER | COMPONENT MANUFACTURER

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

10 | The cause of each event was traced to a supply fan trip in the Unit 1 Fuel Handling

11 | Building Ventilation System on December 1, 1983. The Unit 1 Control

12 | Room was informed that the TMI-1 ventilation problem was affecting Unit 2

13 | Auxiliary Building ventilation.

14

15 | FACILITY STATUS | % POWER | OTHER STATUS | METHOD OF DISCOVERY | DISCOVERY DESCRIPTION

16 | ACTIVITY CONTENT RELEASED OF RELEASE | AMOUNT OF ACTIVITY | LOCATION OF RELEASE

17 | PERSONNEL EXPOSURES NUMBER | TYPE | DESCRIPTION

18 | PERSONNEL INJURIES NUMBER | DESCRIPTION

19 | LOSS OF OR DAMAGE TO FACILITY TYPE | DESCRIPTION

20 | PUBLICITY ISSUED | DESCRIPTION

NAME OF PREPARER S. D. Chaplin

PHONE (717) 948-8461

Carole 3-26-84

U.S. G.P.O. 1980

LICENSEE EVENT REPORT
NARRATIVE REPORT
TMI-II
LER 83-62/03L-0
EVENT DATE - DECEMBER 1, 1983

I. EXPLANATION OF OCCURRENCE

At 1003 hours on December 1, 1983 the Auxiliary Building Ventilation System was declared inoperable due to low exhaust flowrate. The occurrence placed the unit in the action statement of Technical Specification 3.9.12.2. The system was returned to operable status when the flowrate was restored at 1820 hours on the same date. This event is considered reportable under Section 6.9.1.9(b) due to entry into and compliance with the action statement of Recovery Technical Specification 3.9.12.2.

II. CAUSE OF THE OCCURRENCE

The cause of this event was traced to a supply fan trip in the Unit 1 Fuel Handling Building on December 1, 1983. The fan trip resulted in lowering the pressure in the Unit 2 Fuel Handling Building and Auxiliary Building. Operating as designed, the Unit 2 Auxiliary Building vortex dampers closed partially to maintain the proper ΔP between the building and atmospheric pressure. The partial closing of the vortex dampers caused the Auxiliary Building exhaust flowrate to drop below the minimum allowed value specified for operability.

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

No action was taken by Unit 2 personnel, except for communication with the Unit 1 Control Room, since the only means of restoring full exhaust flowrate was to restore the supply air flowrate, i.e., restart the Unit 1 Fuel Handling Building supply fans. The Unit 1 Control Room was informed that the TMI-1 ventilation problem was affecting Unit 2 ventilation operation.

LONG TERM

Since the occurrence had no initiating cause controlled by Unit 2, the Unit 2 Auxiliary Building Ventilation System did not fail (the vent. system compensated for changing ΔP as designed), and there existed no safety related failure or concern (negative pressure within the building was maintained), no further corrective action is considered appropriate.

V. COMPONENT FAILURE DATA

N/A



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

December 29, 1983
4410-83-L-0293

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
Licensee Event Report 83-62/03L-0

Attached please find Licensee Event Report 83-62/03L-0 concerning Auxiliary Building Ventilation System low flow condition on December 1, 1983.

These events concern Section 3.9.12.2 and is considered reportable under Section 6.9.1.9(b) of the Interim Recovery Technical Specifications.

Sincerely,


B. K. Kanga
Director, TMI-2

JJB:SDC:dw

Attachments

cc: L. H. Barrett, Deputy Program Director, TMI Program Office
Dr. B. J. Snyder, Program Director, TMI Program Office

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