

LICENSEE EVENT REPORT

4410-83-L-0243

DEC 16 1983

B&W

CONTROL BLOCK 118181141111

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

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 | At 1700 hours on September 11, 1981, the Reactor Coolant System leakage rate increased  
03 | from approximately 0.1 gpm to 0.667 gpm. An Unusual Event was declared at 1843 hours  
04 | and subsequently recinded at 2230 hours when it was apparent the leakrate had  
05 | stabilized. The leakrate was returned to normal approximately 0424 hours, 9/12/81,  
06 | after the closing of RC-V-122. This event is considered reportable under Section  
07 | 16.9.1.9(d) of the Interim Recovery Technical Specifications. This event had no  
08 | effect on the plant, its operations, or the health and safety of the public.

09 | SYSTEM CODE | C | J | 11 | CAUSE CODE | E | 12 | CAUSE SUBCODE | B | 13 | COMPONENT CODE | VALVE | EX | 14 | COMP SLR CODE | F | 15 | VALVE SUBCODE | N | 16

17 | LER NO REPORT NUMBER | 8 | 1 | EVENT YEAR | 8 | 1 | SEQUENTIAL REPORT NO. | 0 | 2 | 4 | OCCURRENCE CODE | 0 | 3 | REPORT TYPE | X | REVISION NO | 1 |  
18 | ACTION TAKEN | X | 18 | FUTURE ACTION | B | 19 | EFFECT ON PLANT | Z | 20 | SHUTDOWN METHOD | Z | 21 | HOURS | 0 | 0 | 0 | 0 | ATTACHMENT SUBMITTED | Y | 23 | NPRD-4 FORM SUB. | N | 24 | PRIME COMP. SUPPLIER | A | 25 | COMPONENT MANUFACTURER | V | 0 | 8 | 5 | 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 | The remote controls for sampling Valve RC-V-122 were relocated from the Unit 1 Chemistry  
11 | Lab to a panel adjacent to the Radwaste Panel in Unit 2. During the day of 9/10/81,  
12 | the valve was cycled to test the new panel controls and apparently a packing leak  
13 | developed during this testing. The leak was isolated resulted in bringing the RCS  
14 | leakage rate back down to the normal level (approximately 0.1 gpm).

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

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

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

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

19 | LOSS OF OR DAMAGE TO FACILITY TYPE | Z | 42 | DESCRIPTION | N/A | 43

20 | PUBLICITY ISSUED | Y | 44 | DESCRIPTION | Release to all forms of news media on September 11, 1981 | 45

NAME OF PREPARER Russ Wells

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No Rev. 1 on file

8311210367 831031  
PDR ADCK 05000320  
S PDR

LER 81-024/03X-1  
EVENT DATE - September 11, 1981

I. EXPLANATION OF THE OCCURRENCE

At 1700 hours on September 11, 1981, the Reactor Coolant System (RCS) leakrate increased to .667 gpm. The Manager of Plant Operations was notified and Emergency Procedure 2202-4.18, "Reactor Coolant System Leak and Small Break Loss of Coolant Accident", was implemented. The Standby Pressure Control (SPC) System was isolated and it was determined that the leak was in the RCS and not the SPC System. The Duty Superintendent declared an Unusual Event at 1843 hours. Attempts were made to isolate the leak but were unsuccessful. The Unusual Event was ended at 2230 hours when it was obvious that the leakage rate had stabilized at approximately .7 gpm and was not increasing. At 0424 hours on September 12, 1981, while continuing attempts to isolate the leak, RC-V-122 was closed. The leakrate subsequently decreased to approximately .1 gpm.

II. CAUSE OF THE OCCURRENCE

The remote control for valves RC-V-122, RC-V123, and RC-V117 was removed from the Unit 1 Chemistry Lab and installed on a panel adjacent to the Radwaste Panel in Unit 2. During the day of September 10, 1981, the valves were cycled to test the new panel controls and apparently a packing leak developed in RC-V-122 during this testing.

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 RCS leakage was isolated and RC-V-122 was tagged shut.

Long-Term - RC-V-122 is presently inaccessible for repairs due to ALARA considerations. Additionally, this valve is not required for TMI-2's present operating mode. RC-V-122 is a sampling line off the pressurizer. In the event a decision is made to restore TMI-2 to an operable status, RC-V-122 will be repaired prior to restart of the unit.

V. COMPONENT FAILURE DATA

One-half inch Globe Valve (N-1) - 2500 #  
Manufactured by Velan, Inc.

LIST OF UPDATED LICENSEE EVENT REPORTS

- 80-27 Closing of Deluge Isolation Valves FS-V-4-22B, 4-23B, and 4-24B.
- 80-39 Halon bottles below weight.
- 81-11 Inoperability of Nuclear Service River Water Pump "A".
- 81-24 Excessive Reactor Coolant System Leakage.
- 81-30 Improper administrative controls for containment penetration isolation valves.
- 81-37 Nuclear Service River Water Pump NR-P-1B inoperability.
- 82-01 Inoperability of the Auxiliary Building Ventilation System.
- 82-23 Actuation of the AIT Halon System.
- 82-41 Inoperability of the Auxiliary Building Ventilation System.
- 83-01 Inoperability of "A" OTSG pressure indicators.
- 83-04 Failure of the AIT Deluge System.
- 83-06 Leak Testing of the Reactor Building Personnel Airlock No. 2.
- 83-14 Actuation of the Air Intake Tunnel Halon System.