

LICENSEE EVENT REPORT

CONTROL BLOCK: [] [] [] [] [] [] [] [] [] [] [] (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

[0] [1] [N] [C] [B] [E] [P] [2] [2] [0] [0] [0] [0] [0] [0] [0] [0] [0] [0] [0] [0] [0] [3] [4] [1] [1] [1] [1] [4] [] [] [5]
7 8 9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 57 CAT 58

CON'T [0] [1] [L] [6] [0] [5] [0] [0] [3] [2] [4] [7] [1] [2] [2] [0] [8] [1] [8] [0] [1] [1] [8] [8] [2] [9]
7 8 REPORT SOURCE 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)
[0] [2] [During the performance of the RCIC System Turbine Exhaust Diaphragm High Pressure
[0] [3] [Channel Functional Test, PT 2.1.8P, RCIC turbine exhaust diaphragm instruments,
[0] [4] [2-E51-PS-N012A and C, Model No. D2H-M150SS, did not actuate when a test signal was
[0] [5] [applied. The RCIC System was then declared inoperable in accordance with technical
[0] [6] [specifications. This event did not affect the health and safety of the public.
[0] [7] []

[0] [8] [Technical Specifications 3.3.2, 3.7.4, 6.9.1.9b] 80

[0] [9] [S] [D] (11) [E] (12) [D] (13) [I] [N] [S] [T] [R] [U] (14) [S] (15) [Z] (16)
7 8 SYSTEM CODE 9 10 CAUSE CODE 11 CAUSE SUBCODE 12 COMPONENT CODE 13 COMP. SUBCODE 18 VALVE SUBCODE 20
[17] [8] [1] [] [1] [3] [9] [] [0] [3] [L] [] [0]
7 8 LER/RO REPORT NUMBER 21 22 EVENT YEAR 23 24 SEQUENTIAL REPORT NO. 25 26 OCCURRENCE CODE 27 28 REPORT TYPE 29 30 REVISION NO. 31 32
[X] (18) [X] (19) [Z] (20) [Z] (21) [0] [0] [0] [0] [Y] (23) [Y] (24) [N] (25) [B] [0] [6] [9] (26)
7 8 ACTION TAKEN 33 FUTURE ACTION 34 EFFECT ON PLANT 35 SHUTDOWN METHOD 36 HOURS (22) 37 40 ATTACHMENT SUBMITTED 41 42 NPRD-4 FORM SUB. 43 PRIME COMP. SUPPLIER 44 COMPONENT MANUFACTURER 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)
[1] [0] [Corrosion from moisture accumulation in the switch internals of both instruments
[1] [1] [prevented them from actuating during the PT. Both instruments were cleaned, resealed
[1] [2] [and the PT was satisfactorily completed. A work request authorization has been
[1] [3] [written to seal attached electrical conduit to these instruments in order to eliminate
[1] [4] [a suspected moisture intrusion path.] 80

[1] [5] [G] (28) [0] [0] [0] (29) [NA] (30) [B] (31) [Periodic Test] (32)
7 8 FACILITY STATUS 9 10 % POWER 11 12 OTHER STATUS 13 14 METHOD OF DISCOVERY 15 16 DISCOVERY DESCRIPTION 17 18

[1] [6] [Z] (33) [Z] (34) [NA] (35) [NA] (36)
7 8 ACTIVITY CONTENT 9 10 RELEASED OF RELEASE 11 12 AMOUNT OF ACTIVITY 13 14 LOCATION OF RELEASE 15 16

[1] [7] [0] [0] [0] (37) [Z] (38) [NA] (39)
7 8 PERSONNEL EXPOSURES 9 10 NUMBER 11 TYPE 12 DESCRIPTION 13 14

[1] [8] [0] [0] [0] (40) [NA] (41)
7 8 PERSONNEL INJURIES 9 10 NUMBER 11 DESCRIPTION 12 13

[1] [9] [Z] (42) [NA] (43)
7 8 LOSS OF OR DAMAGE TO FACILITY 9 10 TYPE 11 DESCRIPTION 12 13

[2] [0] [N] (44) [NA] (45) 8201290354 820118 PDR ADOCK 05000324 S PDR
7 8 PLANT IDENTITY 9 10 DESCRIPTION 11 12 NRC USE ONLY 13 14
NAME OF PREPARER: M. J. Pastva, Jr. PHONE: (919) 457-9521

LER ATTACHMENT - RO #2-81-139

Facility: BSEP Unit No. 2

Event Date: 12/20/81

This event occurred as a result of corrosion from moisture accumulation in the instrument housing internals of isolation actuation instruments, 2-E51-PS-N012A and C, Model No. D2H-M150SS, caused by relatively high ambient room humidity and possibly past maintenance practices. These past practices may not have restored instrument housings to their recommended condition following maintenance.

The corrosion and moisture accumulation was removed from the instruments' internals and the instruments were resealed in accordance with approved procedures. The PT was then satisfactorily completed. A work request authorization has also been written to seal electrical conduit attached to these instruments in order to eliminate a suspected source of moisture intrusion into these instruments.

As a result of IE Bulletin 79-01B, plant maintenance practices have been revised to ensure proper sealing of applicable plant instrumentation housing and/or gaskets by Maintenance personnel. Also, a dedicated group has been assigned to inspect all instrumentation to assure that it is currently properly sealed. It is felt that this will help in the prevention of future similar events.