

LICENSEE EVENT REPORT

CONTROL BLOCK: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 N Y J A F 1 0 0 - 0 0 0 0 - 0 0 0 4 1 1 1 1 4 5
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100CON'T
0 1 REPORT SOURCE L 0 5 0 0 0 3 3 3 0 2 1 4 7 9 0 9 1 1 7 9 9
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)
Please See Attachment

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SYSTEM CODE: S A 11
CAUSE CODE: E 12
CAUSE SUBCODE: X 13
COMPONENT CODE: V A L V E X 14
COMP. SUBCODE: F 15
VALVE SUBCODE: D 16
LER RO REPORT NUMBER: 17
EVENT YEAR: 7 9 21 22
SEQUENTIAL REPORT NO.: 0 1 1 24 25 26
OCCURRENCE CODE: 0 3 28 29
REPORT TYPE: X 30
REVISION NO.: 1 32
ACTION TAKEN: B 18
FUTURE ACTION: C 19
EFFECT ON PLANT: Z 20
SHUTDOWN METHOD: Z 21
HOURS: 0 0 0 0 22
ATTACHMENT SUBMITTED: Y 23
NPRD-4 FORM SUB.: Y 24
PRIME COMP. SUPPLIER: A 25
COMPONENT MANUFACTURER: A 5 3 5 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 Please See Attachment

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FACILITY STATUS: E 28
% POWER: 0 9 8 29
OTHER STATUS: NA 30
METHOD OF DISCOVERY: A 31
DISCOVERY DESCRIPTION: Operator Observation 32ACTIVITY CONTENT: 2 33
RELEASED OF RELEASE: 2 34
AMOUNT OF ACTIVITY: NA 35
LOCATION OF RELEASE: NA 36PERSONNEL EXPOSURES: 0 37
TYPE: 2 38
DESCRIPTION: NA 39PERSONNEL INJURIES: 0 40
DESCRIPTION: NA 41LOSS OF OR DAMAGE TO FACILITY: 2 42
DESCRIPTION: NA 43PUBICITY: 2 44
DESCRIPTION: NA 45

ISSUED: N 46

NAME OF PREPARER: W. Verne Childs

PHONE: 315-342-3840

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NRC USE ONLY

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DOCKET NO. 50-333

ATTACHMENT TO LER 79-011/03X-1

Page 1 of 1

During normal operation, Operations Personnel noted that the Drywell Atmospheric Sample Isolation Valve 27-SOV-123B, did not indicate open. Investigation revealed a blown fuse due to a shorted valve solenoid. The valve fails in the closed position on loss of electric power and in addition the other isolation valve in the same sample line (27-SOV-123A) was placed in closed position and verified shut on a daily basis as required by Technical Specification Appendix A, Paragraph 4.7.D.2.

Following replacement of solenoid, the valve operated properly until March 6, 1979 at which time the solenoid again shorted and blew its control power fuse. Again the other isolated valve in the same line was placed in the closed position and verified closed on a daily basis in accordance with the specification referenced above. Thus, the event does not represent any hazard to the public health and safety.

Since several other drywell atmospheric sample streams are available for service, this sample line remained isolated until the next plant shut down which allowed internal inspection of the valve.

During the plant shutdown for seismic re-analysis, the valve was disassembled, inspected, and the solenoid coil was replaced. Additional investigation and monitoring revealed that the valve's solenoid coil operating current was approximately 1.0 amperes compared to approximately 0.6 amperes for similar valve solenoid coils. A new valve was ordered to allow replacement of the entire valve at the next convenient time. On September 2, 1979, the valve solenoid coil again shorted and caused the fuse to blow. While preparing to replace the valve, personnel noted that the new valve solenoid assembly included a "Flux Washer" that was not present in the installed solenoid. Re-examination of the appropriate drawings revealed that the flux washer was indicated as part of the assembly. Installation of a new solenoid coil and flux washer reduced the operating current to approximately 0.6 amperes. Since other similar valves have similar operating currents, no additional inspection/disassembly of these components is considered necessary.

NOTE: Revision 1 of this LER is submitted to update the cause description and corrective action section of the LER. The revision also includes the reporting of the September 2, 1979 failure in addition to the failures of February 14 and March 6, 1979 which were reported on the original issue of the LER.

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