

# LICENSEE EVENT REPORT

UPDATE REPORT

PREVIOUS REPORT DATE 031483

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)

1 M N P I N 1 2 0 0 - 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5  
8 9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 57 CAT 58 59

REPORT SOURCE L 6 0 5 0 0 0 2 8 2 7 1 0 2 7 8 2 8 0 8 0 2 8 3 9  
60 61 DOCKET NUMBER 65 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

2 Following use in a routine sampling procedure, SV-33655, Hot Leg Loop B Sample Inside  
3 Containment Isolation Valve, failed to operate properly. The valve was replaced with a  
4 spare at the last refueling. When the removed valve was inspected, the main spring  
5 was found broken in several pieces. The failed spring was analyzed by the vendor.  
6  
7  
8

9 SYSTEM CODE P B 11 CAUSE CODE E 12 CAUSE SUBCODE B 13 COMPONENT CODE V A L V E X 14 COMP. SUBCODE F 15 VALVE SUBCODE D 16  
17 LER/RO REPORT NUMBER 8 2 23 0 2 1 27 0 3 28 30 X 31 2 32  
ACTION TAKEN C 18 FUTURE ACTION X 19 EFFECT ON PLANT Z 20 SHUTDOWN METHOD Z 21 HOURS 0 0 0 0 22 ATTACHMENT SUBMITTED N 23 NPRD-4 FORM SUB. Y 24 PRIME COMP. SUPPLIER L 25 COMPONENT MANUFACTURER V 0 3 0 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

0 Vendor analysis indicates hydrogen embrittlement is the cause of the spring failure.  
1 That failure has potentially generic implications for the seven valves installed in  
2 each unit. The installed valves are operable. Further corrective action is being  
3 formulated.  
4

5 FACILITY STATUS E 28 % POWER 0 9 5 29 OTHER STATUS NA 30 METHOD OF DISCOVERY A 31 DISCOVERY DESCRIPTION Personnel observation 32  
6 ACTIVITY CONTENT Z 33 RELEASED OF RELEASE Z 34 AMOUNT OF ACTIVITY NA 35 LOCATION OF RELEASE NA 36  
7 PERSONNEL EXPOSURES NUMBER 0 0 0 37 TYPE Z 38 DESCRIPTION NA 39  
8 PERSONNEL INJURIES NUMBER 0 0 0 40 DESCRIPTION NA 41  
9 LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 DESCRIPTION NA 43  
10 PUBLICITY ISSUED N 44 DESCRIPTION NA 45

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August 2, 1983

Regional Administrator  
Region III  
U S Nuclear Regulatory Commission  
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PRAIRIE ISLAND NUCLEAR GENERATING PLANT  
Docket No. 50-282 License No. DPR-42

Failure of Hot Leg Loop B  
Sample Isolation Valve - Update Report #2

The License Event Report for this occurrence is attached.

This event is reported in compliance with Technical Specification 6.7.B.2.(b) since it placed the plant in a degraded mode as permitted by limiting conditions of operations. A revised Licensee Event Report is attached indicating potentially generic implications from the problems with this valve.

David Musolf  
Manager - Nuclear Support Services

DMM/SAF/js

cc: NRC Document Control Desk (1)  
NRC Resident Inspector  
MPCA  
Attn: J W Ferman

Attachment

AUG 8 1983

IE22.11