

LICENSEE EVENT REPORT

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 | V | A | S | P | S | 1 | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | 5

7 8 9 14 15 25 26 30 57 CAT 58

LICENSEE CODE LICENSE NUMBER LICENSE TYPE

CON'T

01 | L | 6 | 0 | 5 | 0 | 0 | 0 | 2 | 8 | 0 | 7 | 0 | 5 | 0 | 9 | 7 | 9 | 8 | 0 | 5 | 2 | 3 | 7 | 9 | 9

7 8 60 61 68 69 74 75 80

REPORT SOURCE DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 | The Architect Engineer has identified Solenoid Valve, Model #8320A102, manufactured by

03 | Automatic Switch Company, as being environmentally unqualified and reportable as per

04 | I.E. Bulletin 79-01 and Technical Specification 6.6.2.b.(9). The valve could fail to

05 | control the admission and venting of operating air for the inside containment trip

06 | valves on steam generator blowdown lines during a LOCA. The fully redundant outside

07 | containment trip valves would have provided containment isolation, if required,

08 | Therefore, the health and safety of the public were not affected.

7 8 9 80

09 | S | D | 11 | B | 12 | B | 13 | V | A | L | V | O | P | 14 | E | 15 | Z | 16

7 8 9 10 11 12 13 18 19 20

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

17 | 7 | 9 | 21 | 22 | 0 | 1 | 8 | 24 | 26 | 0 | 1 | 28 | 29 | T | 30 | 0 | 32

LER/RO REPORT NUMBER EVENT YEAR SEQUENTIAL REPORT NO. OCCURRENCE CODE REPORT TYPE REVISION NO.

A | 18 | Z | 19 | Z | 20 | Z | 21 | 0 | 0 | 0 | 0 | Y | 23 | N | 24 | A | 25 | A | 6 | 1 | 0 | 26

33 34 35 36 37 40 41 42 43 44 45 46 47

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

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 | The solenoid valves, Model #8320A102, were identified as being similar to a solenoid

11 | valve that failed environmental testing for the LOCA environment. The three affected

12 | on each unit will be replaced with environmentally qualified valves.

13 |

14 |

7 8 9 80

15 | G | 28 | 0 | 0 | 0 | 29 | NA | D | 31 | Notification from AE

7 8 9 10 12 13 44 45 46 80

FACILITY STATUS % POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION

16 | Z | 33 | Z | 34 | NA | NA | 36

7 8 9 10 11 44 45 80

ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY LOCATION OF RELEASE

17 | 0 | 0 | 0 | 37 | Z | 38 | NA

7 8 9 11 12 13 80

PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION

18 | 0 | 0 | 0 | 40 | NA

7 8 9 11 12 80

PERSONNEL INJURIES NUMBER DESCRIPTION

19 | Z | 42 | NA

7 8 9 10 80

LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION

20 | N | 44 | NA

7 8 9 10 80

PUBLICITY ISSUED DESCRIPTION

NRC USE ONLY

NAME OF PREPARER W. L. Stewart

PHONE: (804) 357-3184

(Attachment, page 1 of 1)
Surry Power Station, Unit 1, 2
Docket No: 50-280, 281
Report No: 79-018/01T-0
Event Date: 05-09-79

Environmentally Unqualified Solenoid Valve (SOV-BD-100A,B,C and 200A,B,C)

1. Description of Event:

The Architect Engineer has identified a solenoid valve, Model #8320A102, manufactured by Automatic Switch Company, as being environmentally unqualified for the conditions stated in I.E. Bulletin No. 79-01. Six valves were identified, three in each of Surry Units 1 and 2.

2. Probable Consequences and Status of Redundant Systems:

The solenoid valve could fail to function properly following a Loss of Coolant Accident. These valves control the admission and venting of operating air for the containment trip valves on steam generator blowdown lines. The fully redundant outside containment trip valves would have provided containment isolation, if required. Therefore, the health and safety of the public were not affected.

3. Cause:

The solenoid valves, Model #8320A102, were identified as being similar to another solenoid valve that failed environmental testing.

4. Immediate Corrective Action:

A search was initiated to locate environmentally qualified solenoid valves.

5. Subsequent Corrective Action:

The subsequent corrective action will be the replacement of the present solenoid valves with environmentally qualified solenoid valves.

6. Action Taken to Prevent Recurrence:

No additional actions are deemed necessary. The solenoid valves are being replaced.

7. Generic Implications:

Environmental qualifications of other electrical components will be addressed in the response to IE Bulletin No. 79-01.