

LICENSEE EVENT REPORT

EXHIBIT A

CONTROL BLOCK: _____ (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 | A | R | A | N | O | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | - | 0 | 0 | 4 | 1 | 1 | 1 | 1 | 4 | 5
7 8 9 14 15 25 26 30 31 32 33 34 35 36 37 38 39 40

CON'T
0 1 | R | E | P | O | R | T | S | O | U | R | C | E | L | 0 | 5 | 0 | 0 | 0 | 3 | 6 | 8 | 7 | 1 | 1 | 0 | 0 | 1 | 8 | 2 | 1 | 1 | 0 | 1 | 3 | 8 | 2 | 9
7 8 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | On 10/01/82, while in Mode 6, the emergency feedwater pump (EFP) turbine |
0 3 | steam supply check valve (2MS-39B) was disassembled for inspection. This |
0 4 | inspection revealed internal damage. The disc stud was broken from the |
0 5 | disc and missing. The disc stud nut, washer, and locking pin were also |
0 6 | missing. The counterpart valve (2MS-39A) in the redundant steam supply |
0 7 | line was inspected and revealed no damage. Isolation valve 2CV-1050 which |
0 8 | is upstream of 2MS-39B was operable. This occurrence is reportable per |
7 8 9 T.S. 6.9.1.8.e. and is similar to LER 81-034. 80

0 9 | H | H | B | A | V | A | L | V | E | X | C | A
7 8 9 10 11 12 13 14 15 16 17 18 19 20

17 | LER-RO REPORT NUMBER | 8 | 2 | 0 | 3 | 1 | 0 | 1 | T | 0
21 22 23 24 25 26 27 28 29 30 31 32

ACTION TAKEN | FUTURE ACTION | EFFECT ON PLANT | SHUTDOWN METHOD | HOURS | ATTACHMENT SUBMITTED | NPD-4 FORM SUB | PRIME COMP SUPPLIER | COMPONENT MANUFACTURER
X | X | Z | Z | 0 | 0 | 0 | 0 | Y | Y | A | A | 3 | 9 | 5
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | The failure appears to be caused by vibration fatigue. A search initiated |
1 1 | after the inspection located the missing parts downstream of 2MS-39B. The |
1 2 | damaged parts will be replaced during the present refueling outage. An |
1 3 | evaluation of an accelerated inspection program is in progress. Also, re- |
1 4 | placement of the swing check valves with lift check valves is being considered. |
7 8 9 80

1 5 | H | 0 | 0 | 0 | NA | B | Inservice Test Program
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

1 6 | Z | Z | NA | NA
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

1 7 | 0 | 0 | 0 | Z | NA
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

1 8 | 0 | 0 | 0 | NA
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

1 9 | Z | NA
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

2 0 | N | NA
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

NAME OF PREPARER: Patrick Rogers PHONE: 501/964-3100

1. Reportable Occurrence Report No. 50-368/82-031/01T-0
2. Report Date: 10/13/82 3. Occurrence Date: 10/01/82
4. Facility: Arkansas Nuclear One - Unit 2
Russellville, Arkansas
5. Identification of Occurrence:

The emergency feedwater pump (EFP) turbine steam supply check valve (2MS-39B) was found to have internal damage when disassembled for inspection per the inservice test (IST) program. This occurrence is reportable per T.S. 6.9.1.8.e. and is similar to LER 81-034.

6. Conditions Prior to Occurrence:

Steady-State Power _____	Reactor Power _____ 0 _____ MWth
Hot Standby _____	Net Output _____ 0 _____ MWe
Cold Shutdown _____	Percent of Full Power _____ 0 _____ %
Refueling Shutdown <u> X </u> _____	Load Changes During Routine Power Operation _____
Routine Startup Operation _____	
Routine Shutdown Operation _____	
Other (specify) _____	

7. Description of Occurrence:

On 10/1/82 while in Mode 6, the EFP turbine steam supply check valve (2MS-39B) was disassembled for inspection. This inspection revealed internal damage. The disc stud was broken from the disc and missing. The disc stud nut, washer, and locking pin were also missing. The counterpart valve (2MS-39A) in the redundant steam supply line was inspected and revealed no damage.

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8. Designation of Apparent Cause of Occurrence:

Design	<u> X </u>	Procedure	<u> </u>
Manufacture	<u> </u>	Unusual Service Condition Including Environmental	<u> </u>
Installation/ Construction	<u> </u>	Component Failure (See Failure Data)	<u> X </u>
Operator	<u> </u>		
Other (specify)			

The failure appears to be caused by vibration fatigue.

9. Analysis of Occurrence:

The EFP turbine steam supply check valve (2MS-39B) was found to have missing parts as described in section 7. This would have prevented 2MS-39B from performing its function. Isolation valve, 2CV-1050, which is upstream of 2MS-39B was operable and available to isolate this portion of the system if needed. Also, the counterpart valves 2MS-39A and 2CV-1000 in the redundant steam supply line were operable and available.

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10. Corrective Action:

A search initiated after the inspection located the missing parts downstream of 2MS-39B. The damaged parts will be replaced during the present refueling outage. An evaluation of an accelerated inspection program is in progress. Also, replacement of the swing check valves with lift check valves is being considered.

11. Failure Data:

Check valve 2MS-39B was manufactured by anchor valve company and is a 4" swing check valve.