

LICENSEE EVENT REPORT

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 V A S P S 1 2 0 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

CON'T

0 1 REPORT SOURCE L 6 0 5 0 0 0 2 8 0 7 1 2 2 8 7 9 8 0 1 1 0 8 0 9
7 8 60 61 68 69 74 75 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 During a recent analysis, a non-conservative feature was found that is contrary to a
0 3 FSAR commitment. If the CLS Hi-Hi signal is removed from the control circuit of the
0 4 Safeguards Area Exhaust Ventilation Dampers for Units 1 and 2, the air flow would not
0 5 be through the filters. Existing procedures require the Damper Control to be placed
0 6 in the "Divert to Filter" position prior to resetting the CLS Hi-Hi signal; therefore,
0 7 the health and safety of the public would not have been affected. The event is report-
0 8 able in accordance with Technical Specification 6.6.2.a.9.
7 8 9 80

0 9 SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE
A A 11 B 12 A 13 V A I V E X 14 X 15 0 16
7 8 9 10 11 12 13 18 19 20

17 LER/RO REPORT NUMBER EVENT YEAR SEQUENTIAL REPORT NO. OCCURRENCE CODE REPORT TYPE REVISION NO.
7 9 0 4 5 0 1 T 0
21 22 23 24 26 27 28 29 30 31 32

ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPRD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER
F 18 F 19 A 20 Z 21 0 0 0 0 Y 23 N 24 A 25 S 4 2 0 0 26
33 34 35 36 37 40 41 42 43 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 Since the dampers operate as designed, the discrepancy in damper operation was caused
1 1 by a design that was not in accordance with the FSAR. A detailed re-analysis has been
1 2 initiated.
1 3
1 4

1 5 FACILITY STATUS % POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION
G 28 0 0 0 29 NA C 31 Engineering Study
7 8 9 10 12 13 44 45 46 80

1 6 ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY LOCATION OF RELEASE
Z 33 Z 34 NA NA
7 8 9 10 11 44 45 80

1 7 PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION
0 0 0 37 Z 38 NA
7 8 9 11 12 13 80

1 8 PERSONNEL INJURIES NUMBER DESCRIPTION
0 0 0 40 NA
7 8 9 11 12 80

1 9 LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION
Z 42 NA
7 8 9 10 12 80

2 0 PUBLICITY ISSUED DESCRIPTION
N 44 NA
7 8 9 10 12 80

8001150609

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NRC USE ONLY

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Surry Power Station

Docket No. 50-280

Report No. 79-045/01T-0

Event Date: 12/28/79

Title of Event: Discrepancy in Safeguards Area Exhaust Ventilation Fans
Operation (1-VS-F-40A, B & 2-VS-F-40A, B)

1. Description of Event:

During a recent analysis, a non-conservative feature was found that is contrary to a FSAR commitment. The design deficiency concerned a discrepancy in the operation of the Safeguards Area Exhaust Ventilation Dampers for Units 1 and 2.

The event is reportable in accordance with Technical Specification 6.6.2.a.9.

2. Probable Consequences/Status of Redundant Systems:

The analysis revealed that when a Consequence-Limiting Safeguards Hi-Hi signal is removed (CLS Hi-Hi Reset) from the control circuit of the Safeguards Area Exhaust Ventilation Fans (1-VS-F-40A, B & 2-VS-F-40A, B), the filter damper will close preventing the flow of air from passing through the filters. If a radioactivity source remained in the Safeguards Area following the resetting of the CLS Hi-Hi circuitry, contaminated air may be released to the atmosphere. Existing procedures require the damper control switch to be placed in the "Divert to Filter" position prior to resetting the CLS Hi-Hi signal; therefore, the health and safety of the public would not have been affected.

3. Cause:

The non-conservative feature of the Safeguards Area Exhaust Ventilation Damper operation was caused by an improper initial design concept.

4. Immediate Corrective Actions:

A review of station procedures was initiated upon the discovery of the non-conservative operation of the Safeguards Area Exhaust Ventilation Dampers. It was determined that existing procedures insure that prior to the resetting of the CLS Hi-Hi signal, the damper control switch is placed in the "Divert to Filter" position.

5. Scheduled Corrective Action:

A detailed analysis has been initiated to verify that the control circuits of all Engineered Safeguards equipment operate in a conservative manner.

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Docket No. 50-280
Report No. 79-045/01T-0
Event Date: 12/28/79

6. Action Taken to Prevent Recurrence:

Since an analysis of the non-conservative feature of the control circuit of the Safeguards Area Exhaust Ventilation Fans has been initiated, no further action is required to prevent recurrence.

7. Generic Implications:

This event was a Stone & Webster identified generic item.