

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Surry Power Station, Unit 2	DOCKET NUMBER (2) 0 5 0 0 0 2 8 1	PAGE (3) 1 OF 0 3
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TITLE (4) Inoperable Aux. Building Vent System

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)														
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES		DOCKET NUMBER(S)												
0	6	1	9	8	5	0	0	8	0	0	0	7	1	8	8	5	0	5	0	0	0		

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5. (Check one or more of the following) (11)												
OPERATING MODE (9) N		20.402(b)			20.406(e)			50.73(a)(2)(iv)			73.71(b)	
POWER LEVEL (10) 0 0 0		20.406(a)(1)(i)			50.36(e)(1)			50.73(a)(2)(v)			73.71(c)	
		20.406(a)(1)(ii)			50.36(e)(2)			50.73(a)(2)(vi)			OTHER (Specify in Abstract below and in Text, NRC Form 305A)	
		20.406(a)(1)(iii)			50.73(a)(2)(ii)			50.73(a)(2)(viii)(A)				
		20.406(a)(1)(iv)			50.73(a)(2)(iii)			50.73(a)(2)(viii)(B)				
		20.406(a)(1)(v)			50.73(a)(2)(iv)			50.73(a)(2)(ix)				

LICENSEE CONTACT FOR THIS LER (12)

NAME R. F. Saunders, Station Manager	TELEPHONE NUMBER 8 0 4 3 5 7 - 3 1 8 4
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS
E	VILD	IMPI	1121016	N					

SUPPLEMENTAL REPORT EXPECTED (14)

<input checked="" type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15) MONTH: 1 2 DAY: 3 1 YEAR: 8 5
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ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On June 19, 1985, Unit 1 was at full power and Unit 2 was at Cold Shutdown. At 0510 hours, auxiliary ventilation damper I-VS-MOD-58A (Category I filter train discharge damper) drifted closed. The other train of auxiliary ventilation was isolated for filter replacement seven hours earlier. Damper I-VS-MOD-58A was manually opened within 10 minutes.

The parts necessary to repair the damper are on order and further corrective actions must await their availability.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
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TEXT (If more space is required, use additional NRC Form 366A's) (17)

INOPERABLE AUX. BUILDING VENT SYSTEM1. Description of the Event

On June 19, 1985, Unit 1 was at full power and Unit 2 was at cold shutdown. At 0510 hours, auxiliary ventilation damper I-VS-MOD-58A (Category I filter train discharge damper) drifted closed. The Control Room Operator observed that both red and green position lights for the damper were illuminated indicating an intermediate position. An attempt to open the damper failed and it went to the fully closed position. Seven hours earlier, I-VS-F-58B was isolated for filter replacement. Therefore, for the ten (10) minutes required to manually reopen I-VS-MOD-58A, no train of auxiliary ventilation was available which is contrary to Technical Specification 3.22.

2. Probable Consequences

The auxiliary ventilation system was designed to remove heat from various areas in the plant in the event of a LOCA. These areas include the fuel building, Safeguards, Charging Pump Cubicles, Decontamination Building and Containment when shutdown. A secondary design of this system is to remove particulate and iodine contaminants in the exhaust air from these areas following the LOCA.

There was no accident condition present during this event and the auxiliary ventilation system was not required to fulfill its intended function. Also, since the buildup of heat and contaminants requires a finite amount of time, if a LOCA had occurred, the 10 minutes required to open I-VS-MOD-58A would not have impaired the operation of the system. For these reasons, an unreviewed safety question was not created and the public's health and safety were unaffected.

3. Cause

An exact cause for this event has not yet been determined. However, it is suspected that either a solenoid or mechanical relief valve within the damper actuator is malfunctioning.

The damper is opened when an internal motor develops hydraulic pressure that lifts a piston. When this piston reaches full stroke, a limit switch turns off the motor while hydraulic pressure is held by several solenoid valves. The motor would then run as needed to maintain pressure. The damper closes under spring pressure when the high pressure hydraulic fluid is dumped to the reservoir.

At this time, the hydraulic motor must run continuously to keep up with fluid leakage, thereby keeping the damper open. Parts have been ordered to repair the actuator.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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TEXT (If more space is required, use additional NRC Form 366A's) (17)

INOPERABLE AUX. BUILDING VENT SYSTEM4. Immediate Corrective Action

The Unit 2 Containment purge was stopped and I-VS-MOD-58A was manually opened.

5. Additional Corrective Actions

The damper actuator was inspected and it was determined that the internal hydraulic system was not holding pressure as it should.

6. Action Taken to Prevent Recurrence

The parts needed to repair the actuator are on order and further action must await their availability.

7. Generic Implications

Unknown at this time.



VIRGINIA POWER

Surry Power Station
P. O. Box 315
Surry, Virginia 23883

July 18, 1985

U.S. Nuclear Regulatory Commission
Document Control Desk
016 Phillips Building
Washington, D. C. 20555

Serial No: 85-019
Docket No: 50-281
License No: DPR-37

Gentlemen:

Pursuant to Surry Power Station Technical Specifications, Virginia Power hereby submits the following Licensee Event Report for Surry Unit 2.

REPORT NUMBER

85-008-00

This report has been reviewed by the Station Nuclear Safety and Operating Committee and will be reviewed by Safety Evaluation and Control.

Very truly yours,

David L. Benson
for

R. F. Saunders
Station Manager

Enclosure

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