

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) SURRY POWER STATION, Unit 2										DOCKET NUMBER (2) 0 5 0 0 0 2 8 1 1				PAGE (3) 1 OF 0 2		
TITLE (4) Failure of Recirc. Spray Valves																
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 4	2 3	8 5	8 5	0 0 3	0 0	0 5	2 3	8 5					0 5 0 0 0			
OPERATING MODE (9) N			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)													
POWER LEVEL (10) 01 01 0			20.402(b)				20.406(c)				50.73(a)(2)(iv)				73.71(b)	
			20.406(a)(1)(i)				50.36(c)(1)				50.73(a)(2)(v)				73.71(c)	
			20.406(a)(1)(ii)				50.36(c)(2)				50.73(a)(2)(vii)				OTHER (Specify in Abstract below and in Text, NRC Form 366A)	
			20.406(a)(1)(iii)				50.73(a)(2)(i)				50.73(a)(2)(viii)(A)					
			20.406(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(viii)(B)					
			20.406(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(ix)					
LICENSEE CONTACT FOR THIS LER (12)																
NAME R. F. Saunders, Station Manager										TELEPHONE NUMBER AREA CODE 8 0 4 3 5 7 - 3 1 8 4						
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC						
B	B/E	20	T 3 4 0	Y												
SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR		
<input checked="" type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)										<input type="checkbox"/> NO		0	8	0 1 8 5		

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

ABSTRACT

On 4-28-85, with the Unit defueled, Type C testing revealed that both Outside Recirculation Spray Pump suction valves, MOV-RS-255A, B (EIIS 20) were inoperable. On 5-10-85, the outside recirculation spray pump discharge valve, MOV-RS-256B (EIIS 20) was found to be inoperable.

The cause of the failures is unknown at this time. The actions required to prevent recurrence of the events will be determined by the results of the investigation and will be completed prior to returning the unit to service.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1) SURREY POWER, STATION Unit 2	DOCKET NUMBER (2) 0 5 0 0 0 2 8 0 8 5 - 0 0 3 - 0 0	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			

TEXT (If more space is required, use additional NRC Form 365A's) (17)

1. Description of the Event

On 4-28-85, with the Unit defueled, Type C testing revealed that both Outside Recirculation Spray Pump suction valves, MOV-RS-255A, B (EISS 20) were inoperable. The valve position lights in the control room indicated that both valves cycled normally. However, MOV-RS-255B did not move from the closed position and MOV-RS-255A would open approximately 50%.

On 5-10-85, the outside recirculation spray pump discharge valve, MOV-RS-256B (EISS 20) was found to be inoperable. The motor operator and its limit switches functioned normally and the valve position lights indicated that the valve cycled; however, the valve did not move from the closed position.

2. Probable Consequences

The valve failures were found when the unit was in a Refueling Shutdown Condition. An evaluation of the possible safety implication is in progress.

3. Cause

The cause of the failures is unknown at this time.

4. Immediate Corrective Actions

The corresponding valves for Unit one, were inspected and cycled. Evaluation of the performance of the Unit one valves indicated that these valves performed satisfactorily.

Since Unit two is in a defueled condition, immediate corrective actions were not required.

5. Subsequent Corrective Action

An inspection of the valves with shaft extensions was performed for both units. The failed valves will be inspected to determine the root cause of the failures and repair as required. Failure analysis of the failed components will be performed.

6. Actions Taken to Prevent Recurrence

The actions required to prevent recurrence of these events will be determined by the results of the ongoing investigation and will be completed prior to returning the unit to service.

7. Generic Implications

None determined at this time.



VIRGINIA POWER

May 23, 1985

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

Serial No: 85-011

Docket No: 50-281

License No: DPR-37

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

Gentlemen:

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

REPORT NUMBER

85-003-00

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

cc: Dr. J. Nelson Grace
Regional Administrator
Suite 2900
101 Marietta Street, NW
Atlanta, Georgia 30323

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