

LICENSEE EVENT REPORT

(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	3	4	1	1	1	1	4			5
7	8	LICENSEE CODE						14	LICENSE NUMBER										25	LICENSE TYPE					30	CAT		58	

REPORT SOURCE	60	61	DOCKET NUMBER							68	69	EVENT DATE					74	75	REPORT DATE					80	
	L	6	0	3	0	0	0	2	8	0	7	0	4	1	2	7	9	8	0	4	2	6	7	9	9

0 2 General Electric has informed Vepco that a potential problem may exist in the Inside

03 Recirculation Spray Pump motors. During extended operation the lower bearing could

0 4 | overheat due to clearance tolerances allowed on the end shield, bearings, and shaft. |

05 The bearing failure could prevent the proper functioning of the motor. This condition!

06 is reportable per Technical Specification 6.6.2.a.(9). A 100% redundant system was

07 | operable, therefore, the health and safety of the general public were not affected. |

08 |-----| 80

09		SYSTEM CODE S B		CAUSE CODE B	CAUSE SUBCODE B	COMPONENT CODE M O T O R X				COMP. SUBCODE	VALVE SUBCODE		
7	8	9	10	11	12	13	14	15	16	17	18	19	20
LER/RO REPORT NUMBER		EVENT YEAR 7 9			SEQUENTIAL REPORT NO. 0 0 9			OCCURRENCE CODE 0 1	REPORT TYPE T		REVISION NO. 0		
21	22	23	24	25	26	27	28	29	30	31	32		
ACTION TAKEN F		FUTURE ACTION Z	EFFECT ON PLANT Z		SHUTDOWN METHOD Z	HOURS 0 0 0 0		ATTACHMENT SUBMITTED Y	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER A	COMPONENT MANUFACTURER G 0 8 0		
33	34	35	36	37	38	39	40	41	42	43	44	47	

1 0 | General Electric has indicated that the allowed design clearances could cause the

1 1 problem. Vepco is in the process of removing the motors for shipment to General Elec-

1 2 |tric for modificatioin to correct the concern.

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[illegible]

ACTIVITY	CONTENT	12	13	14	15	16	80
RELEASED	OF RELEASE						
			AMOUNT OF ACTIVITY (35)			LOCATION OF RELEASE (36)	

1	6	Z	(33)	Z	(34)	NA	NA
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7	8	9	10	11	44	45	80
PERSONNEL EXPOSURES							
(22)							

NUMBER			TYPE		DESCRIPTION	
1	7	0 0 0	(37)	Z	(38)	NA

PERSONNEL INJURIES

		NUMBER				DESCRIPTION
1	2	0	0	0	(10)	NA

7 8 9 11 12 80

TYPE		DESCRIPTION	NA
17	10		

7 8 9 10 80

ISSUED DESCRIPTION (45) 790502 0517 NRC USE ONLY

[illegible]

NAME OF PREPARER W. L. Stewart

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Virginia Electric and Power Company
Surry Power Station, Unit No. 1 & 2
Docket No. 50-280
Report No. LER 79-009/01T-0
Event Date: 04/12/79

Attachment: Page 1 of 1

Description of Event:

General Electric has informed Vepco that a potential problem may exist in the Inside Recirculation Spray Pump motors. Under certain environmental conditions, the lower bearing could overheat due to clearance tolerances allowed on the end shield, bearings, and shaft resulting in bearing size resulting in bearing failure. This condition is reportable as per Technical Specification 6.6.2.a.(9).

Probable Consequences and Status of Redundant Systems:

In the event of the failure of the Inside Recirculation Spray Pump motors, the Outside Recirculation Spray Pumps could have provided 100% spray capability if required. The station has periodically tested the inside recirculation spray pumps as per T.S. 4.5.A.3 and no problems have been noticed. The health and safety of the general public were not affected.

Cause:

Overheating could occur if maximum allowable design tolerances were used in fabrication.

Immediate Corrective Action:

As a precautionary step, Vepco is in the process of removing the inside recirculating spray pump motors for shipment to General Electric for evaluation and correction.

Scheduled Corrective Action:

The motors will be repaired prior to unit startup.

Action Taken to Prevent Recurrence:

No other action is deemed necessary.

Generic Implications:

This problem should be considered generic to all General Electric motors of this type.