

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) NORTH ANNA POWER STATION, UNIT 1	DOCKET NUMBER (2) 0 5 0 0 0 3 3 8	PAGE (3) 1 OF 0 2
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TITLE (4)  
RADIATION MONITOR POWER SUPPLY FAILURE

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		
0	2	2	8	6	8	6	0	0	NORTH ANNA, UNIT 2		
									DOCKET NUMBER(S)		
									0 5 0 0 0 3 3 9		
									0 5 0 0 0		

OPERATING MODE (9)  1

POWER LEVEL (10) 1 1 0 1 0

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)

<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.405(c)	<input type="checkbox"/> 50.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)
<input type="checkbox"/> 20.405(a)(1)(i)	<input type="checkbox"/> 50.36(e)(1)	<input type="checkbox"/> 50.73(a)(2)(v)	<input type="checkbox"/> 73.71(c)
<input type="checkbox"/> 20.405(a)(1)(ii)	<input type="checkbox"/> 50.36(e)(2)	<input type="checkbox"/> 50.73(a)(2)(vii)	<input checked="" type="checkbox"/> OTHER (Specify in Abstract below and in Text, NRC Form 388A)
<input type="checkbox"/> 20.405(a)(1)(iii)	<input type="checkbox"/> 50.73(a)(2)(i)	<input type="checkbox"/> 50.73(a)(2)(viii)(A)	SPECIAL REPORT
<input type="checkbox"/> 20.405(a)(1)(iv)	<input type="checkbox"/> 50.73(a)(2)(ii)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)	
<input type="checkbox"/> 20.405(a)(1)(v)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME E. Wayne Harrell, Station Manager	TELEPHONE NUMBER
	AREA CODE: 7 1 0 3   8 9 4   - 1 5 1 5 1 1

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS
B	IL	MQN		N					

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE)  NO

EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR

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

At 2130, on February 22, 1986, with Unit 1 in Mode 1 (100% power), the "A" Main Steam Line Radiation Monitor experienced a failure. The failure was discovered when the monitor's failure indicator lamp was actuated in the Control Room and the monitor would not check source. The Action Statement of Technical Specification 3.3.3.1 was entered immediately upon discovery. The Action Statement requires the detector to be declared operable within 72 hours or initiate the preplanned alternate method of monitoring and submit a Special Report within fourteen days. The low voltage power supply was determined to be the cause of the failure. The power supply awaits exchange pending arrival of a new one. This event is reportable pursuant Technical Specification 6.9.2. No undesirable safety consequences have resulted because the preplanned alternate method of monitoring has been in service.

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PDR ADOCK 05000338  
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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)  NORTH ANNA POWER STATION, UNIT 1	DOCKET NUMBER (2)  0 5 0 0 0 3 3 8	LER NUMBER (8)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 6	- 0 0 4	- 0 0	0 2	OF 0	2

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

At 2130 hours on February 22, 1986, with Unit 1 in Mode 1 (100% power), the "A" Main Steam Line Radiation Monitor (R1-MS-170) experienced a failure. The failure was discovered when the monitor's failure indicator lamp was actuated in the Control Room. The Action Statement of Technical Specification 3.3.3.1 was immediately entered when the event occurred. The Action Statement requires the detector to be declared operable within 72 hours or initiate the preplanned alternate method of monitoring and submit a Special Report within fourteen days. The monitor was not repaired within 72 hours due to problems involved with scheduling the required maintenance, and because the failure was intermittent and hard to identify. The preplanned alternate method of monitoring was operable.

Surveillance requirements for the monitor require a channel check at least once every 12 hours. Comparison of the channel indication with a check source occurs every 8 hours through the utilization of a Periodic Test. Although this can not be verified, the Radiation Monitor may still detect radiation when unable to check source.

The low voltage power supply was determined to be the cause of the problem. This was determined by monitoring voltage levels in the power supply. The monitor's low voltage power supply will be replaced when parts are available.

This event is reportable pursuant Technical Specification 6.9.2. No undesirable safety consequences have resulted because the preplanned alternate method of monitoring has been in service.

North Anna Unit 1 LER 85-012-00, reports a previous similar event.



VIRGINIA ELECTRIC AND POWER COMPANY  
NORTH ANNA POWER STATION  
P. O. BOX 402  
MINERAL, VIRGINIA 23117

March 10, 1986

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

Serial No. N-86-005  
NO/TRM: nih  
Docket No. 50-338

License No. NPF-4

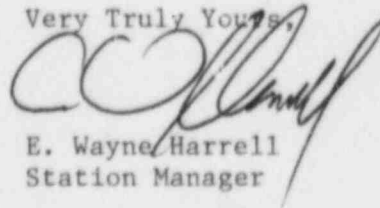
Dear Sirs:

The Virginia Electric and Power Company hereby submits the following Licensee Event Report applicable to North Anna Unit 1.

Report No. LER 86-004-00

This report has been reviewed by the Station Nuclear Safety and Operating Committee and will be forwarded to Safety Evaluation and Control for their review.

Very Truly Yours,



E. Wayne Harrell  
Station Manager

Enclosures (3 copies)

cc: Dr. J. Nelson Grace, Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, Suite 2900  
Atlanta, Georgia 30323

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