

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) North Anna Power Station	DOCKET NUMBER (2) 0 5 0 0 0 3 3 8 1	PAGE (3) 1 OF 0 2
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TITLE (4)  
Unit 1 Reactor Trip, December 31, 1984

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)										
1	2	1	8	8	4	8	4	0	2	6	0	0	0	1	1	7	8	5		0 5 0 0 0

OPERATING MODE (9)  1

POWER LEVEL (10) 110

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 8: (Check one or more of the following) (11)

20.402(b)	20.406(e)	50.73(a)(2)(iv)	73.71(b)
20.406(a)(1)(i)	50.36(e)(1)	50.73(a)(2)(v)	73.71(e)
20.406(a)(1)(ii)	50.36(e)(2)	50.73(a)(2)(vii)	OTHER (Specify in Abstract below end 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)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME E. Wayne Harrell	TELEPHONE NUMBER	
	AREA CODE 7 0 3	8 9 4 - 5 1 5 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
X	AA	RJX	W1120	Y					

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)

ABSTRACT

On December 31, 1984, at 0704 a Unit 1 reactor trip/turbine trip occurred from 100% power. The trip was caused by a failed firing card in the Rod Control System (EIS system identifier AA) that allowed four control rods to drop into the core. The dropped control rods caused a negative flux rate reactor trip. All plant parameters responded normally.

While troubleshooting the Rod Control System with all rods withdrawn except the "D" control bank, group 1 of the "B" shutdown bank was dropped. The reactor was tripped manually while in mode 3. The failed firing card was replaced, a reactor start-up was commenced and criticality was reached at 1650 on December 31, 1984, without incident.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)  North Anna Power Station	DOCKET NUMBER (2)  0 5 0 0 0 3 3 8 8 4 - 0 2 6 - 0 0	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		8 4	0 2 6	0 0	0 2	OF 0 2

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

On December 31, 1984, at 0704 a Unit 1 reactor trip/turbine trip occurred from 100% power. The trip was caused by a failed firing card in the Rod Control System (EIIIS system identifier AA) that allowed four control rods to drop into the core. The dropped control rods caused a negative flux rate reactor trip. All plant parameters responded normally. This event is reportable pursuant to the requirements of 10CFR50.73 (a)(2)(iv) as an event that resulted in the automatic actuation of the Reactor Protection System.

While troubleshooting the Rod Control System with all rods withdrawn except the "D" control bank, group 1 of the "B" shutdown bank was dropped. The reactor was tripped manually while in mode 3. The failed firing card was replaced, a reactor start-up was commenced and criticality was reached at 1650 on December 31, 1984, without incident.

Westinghouse technical representatives were consulted to determine if a generic consideration existed. Westinghouse concurred that this was an isolated failure.

# Vepco

VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION

P. O. BOX 402

MINERAL, VIRGINIA 23117

January 17, 1985

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

Serial No. N-84-038  
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Docket No. 50-338

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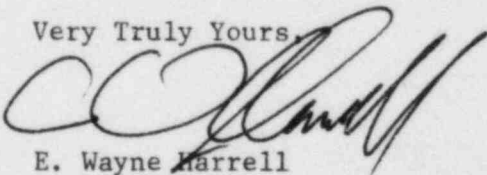
Dear Sirs:

The Virginia Power Company hereby submits the following License Event Report applicable to North Anna Unit No. 1.

Report No. LER 84-026-00

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: Mr. James P. O'Reilly, Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, Suite 2900  
Atlanta, Georgia 30303

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