

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(S) 1 OF 0 2
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TITLE (4)
PRESSURIZER PORV OPENS IN MODE 5 DURING RCS HEAT UP

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 9 8 5	8 5	0 2 5	0 0	0	1	1 4 8 6			0 5 0 0 0
DOCKET NUMBER(S) 0 5 0 0 0											

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

OPERATING MODE (9) 5	20.402(b)	20.406(c)	80.73(a)(2)(iv)	73.71(b)
POWER LEVEL (10) 0 1 0 1 0	20.406(a)(1)(i)	80.36(e)(1)	80.73(a)(2)(v)	73.71(e)
	20.406(a)(1)(ii)	80.36(e)(2)	80.73(a)(2)(vi)	<input checked="" type="checkbox"/> OTHER (Specify in Abstract below and in Text, NRC Form 366A)
	20.406(a)(1)(iii)	80.73(a)(2)(i)	80.73(a)(2)(vii)	
	20.406(a)(1)(iv)	80.73(a)(2)(ii)	80.73(a)(2)(viii)(A)	
	20.406(a)(1)(v)	80.73(a)(2)(iii)	80.73(a)(2)(viii)(B)	
	20.406(a)(1)(vi)	80.73(a)(2)(iii)	80.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME E. WAYNE HARRELL, STATION MANAGER	TELEPHONE NUMBER AREA CODE: 7 1 0 3 8 1 9 1 4 1 - 5 1 1 5 1 1
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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

SUPPLEMENTAL REPORT EXPECTED (14) <input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE) <input checked="" type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15)	MONTH DAY YEAR
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ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On December 19, 1985, Unit 1 was in cold shutdown, and preparations were being made to heat up the Reactor Coolant System (RCS) to 195 degrees Fahrenheit. The RCS temperature was 135 F and pressure was 350 psig with pressure control in manual. The pressurizer was solid (100 percent level), and both Power Operated Relief Valves (PORVs) (EIS Component Identifier RV) were in automatic control. At 0055 hours the operator, while attempting to control pressure by using the charging and letdown system during the heat up, caused the RCS pressure to exceed the lift setting of the pressurizer PORV. The PORV opened momentarily two times during the transient. This event is reportable as a Special Report pursuant to Technical Specification 3.4.9.3.

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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 8 5	LER NUMBER (8)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
					0 2 5	0 0 0 2

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

On December 19, 1985, Unit 1 was in cold shutdown, and preparations were being made to heat up the Reactor Coolant System (RCS) to 195 degrees Fahrenheit. The RCS temperature was 135 F and pressure was 350 psig with the charging and letdown system being used for pressure control. The pressurizer was solid (100 percent level), and both Power Operated Relief Valves (PORVs) (EIIIS Component Identifier RV) were in automatic control. One Residual Heat Removal Pump and one Reactor Coolant Pump were running. At 0022 hours heat up of the RCS commenced. At 0055 hours the operator, experiencing pressure control difficulties typical during solid water operations, caused the RCS pressure to exceed the lift setting of the pressurizer PORV. The PORV opened momentarily two times during the transient. This event is reportable as a Special Report pursuant to Technical Specification 3.4.9.3.

PORV actuation initially reduced RCS pressure. Subsequent operator action reduced RCS pressure below the PORV setpoint. Technical Specification 3.4.9.3 requires the PORVs to open at less than or equal to 430 psig when RCS cold leg temperature is less than 140 F. The PORVs opened at approximately 395 psig. The maximum pressure during this transient was approximately 395 psig.

The PORVs have two different setpoints which change with RCS temperature. When RCS cold leg temperature is less than 140 F, the PORVs are required to open at less than or equal to 430 psig. When RCS cold leg temperature is less than or equal to 320 F and greater than or equal to 140 F, the PORVs are required to open at less than or equal to 505 psig.

Corrective action includes additional emphasis on pressure transients during solid water operations as part of licensed operator retraining. Unit 2 LER 82-024/03 and Unit 1 LERS 84-011-00 and 84-010-00 describe similar events which resulted in PORV actuation.



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

January 14, 1986

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

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Docket No. 50-338

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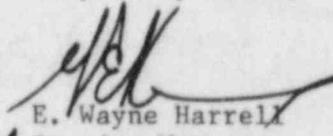
Dear Sirs:

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

Report No. LER 85-025-00

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,


for E. Wayne Harrel
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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11