

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 2	
TITLE (4) INOPERABLE DIESEL DRIVEN FIRE PROTECTION PUMP																					
EVENT DATE (5)			LER NUMBER (6)				REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)											
1/MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES					DOCKET NUMBER(S)							
0 6	0 3	8 6	8 6	0 1 0	0 0 0	7	0 9	8 6	NORTH ANNA, UNIT 2					0 5 0 0 0 3 3 9							
OPERATING MODE (9) 1			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)																		
POWER LEVEL (10) 110.10		20.402(b)				20.405(c)				50.73(a)(2)(iv)				73.71(b)							
		20.405(a)(1)(i)				50.36(c)(1)				50.73(a)(2)(v)				73.71(c)							
		20.405(a)(1)(ii)				50.36(c)(2)				50.73(a)(2)(vi)				<input checked="" type="checkbox"/> OTHER (Specify in Abstract below and in Text, NRC Form 365A)							
		20.405(a)(1)(iii)				50.73(a)(2)(i)				50.73(a)(2)(viii)(A)				SPECIAL REPORT							
		20.405(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(viii)(B)											
		20.405(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(ix)											
LICENSEE CONTACT FOR THIS LER (12)																					
NAME E. WAYNE HARRELL, STATION MANAGER										TELEPHONE NUMBER 71013 89141 4511511											
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											
X	KIP	BTRY	G163	N		X	KIP	441	C742	N											
X	KIP	SOIL	C742	N																	
SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR							
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)										<input checked="" type="checkbox"/> NO											

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

On June 3, 1986 at 0230 hours, with Units 1 and 2 at 100 percent power, the Diesel Driven Fire Pump was determined to be inoperable during the performance of the weekly surveillance test. The cause of the inoperability was determined to be a failed starter motor. During the maintenance effort, a solenoid and battery bank were subsequently discovered to be failed. These failures are suspected to have been caused by successive start attempts made during the June 3, 1986 surveillance test. The Fire Pump was not returned to operable status prior to the expiration of the Technical Specification Action Statement. Therefore, this event is reportable as a Special Report pursuant to Technical Specifications 3.7.14.1 and 6.9.2.1.

During this event an additional water source was available via the Warehouse No. 5 Electric Motor Driven Fire Pump which was cross connected to the Fire Suppression Water System.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

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

On June 3, 1986, at 0230 hours, with Units 1 and 2 at 100 percent power, the Diesel Driven Fire Pump (EIIS Component identifier P) was determined to be inoperable during the performance of the weekly surveillance test. Efforts to return the pump to operable status prior to the expiration of the Technical Specification Action Statement were unsuccessful. This event is reportable as a Special Report pursuant to Technical Specifications 3.7.14.1 and 6.9.2.1.

Subsequent investigation on June 4, 1986 determined that the diesel engine starter motor (EIIS Component Identifier 44) had failed. A replacement starter motor was located and installed on June 13, 1986, however the diesel engine still failed to start. Additional repair efforts included the rebuilding of the starter solenoid (EIIS Component Identifier SOL) due to pitted contacts and its eventual replacement on June 19, 1986.

On June 20, 1986 the Diesel Driven Fire Pump was successfully started using the 'A' battery bank (EIIS Component Identifier BTRY). However, the pump failed to start using the 'B' battery bank. This problem was initially believed to be due to the 'B' battery bank being discharged. The battery bank was subsequently placed on charge. On June 24, 1986, another start attempt was made and the 'B' battery bank was determined to be inoperable. The 'B' bank batteries were replaced on June 27, 1986 and successfully tested on June 30, 1986 following charging. At 1415 hours on July 1, 1986, the Diesel Driven Fire Pump was declared operable.

The cause of the starter motor and solenoid failures is unknown; however, it is suspected that successive start attempts during the June 3, 1986 surveillance test contributed to their failures.

During this event an additional water source was available via the Warehouse No. 5 Electric Motor Driven Fire Pump which was cross connected to the Fire Suppression Water System (EIIS System Identifier KP)



VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION

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July 9, 1986

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

Serial No. N-86-020
NO/KAH: kbs
Docket No. 50-338
50-339

License No. NPF-4
NPF-7

Dear Sirs:

The Virginia Electric and Power Company hereby submits the following
Licensee Event Report applicable to North Anna Units 1 & 2.

Report No. LER 86-010-00

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
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