NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
North Anna Power Station	0 5 0 0 0 3 3 8	1 OF 0 2

TITLE (4)

Fire Main Pipe Rupture

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

OPERATING MODE (9)	1
POWER LEVEL (10)	1 0 0

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

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)(vii)	X OTHER (Specify in Abstract below and in Text, NRC Form 366A)
20.405(a)(1)(iii)	50.73(a)(2)(i)	50.73(a)(2)(viii)(A)	
20.405(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)	Special Report
20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
	AREA CODE
E. Wayne Harrell	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 NPRDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	
	K P	P S P		Yes							

SUPPLEMENTAL REPORT EXPECTED (14)

		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE)	X NO				

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

ABSTRACT

On November 27, 1984, at 2102 the North Anna Fire Protection System 12" main header ruptured causing the system to be inoperable. The ruptured section of the pipe was isolated, replaced, hydro tested and returned to operable on December 3, 1984 at 1445. Backup fire hose was routed to the areas supplied by the ruptured pipe section until repairs were completed. This event is reportable pursuant to Technical Specification 6.9.2 and Action Statement b.2 of T.S. 3.7.14.1.

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

On November 27, 1984, at 2102 the North Anna Fire Protection System main header ruptured causing the system to be inoperable. The ruptured section of pipe was isolated at 2115.

The ruptured section of pipe supplies water to two Technical Specification (T.S.) required fire hose stations (T.S. 3.7.14.5, fire hose stations F-H-1 and F-H-3). Backup fire hose was routed from operable hose stations to the two inoperable fire hose stations within the Action Statement one hour time limit.

The isolation valves on either side of the fire main rupture leaked by enough to cause repeated starts of the diesel driven fire pump (1-FP-P-2). In order to prevent an excessive number of pump starts the diesel driven fire pump was placed in manual control and isolated from the main fire protection header at 0028 on 11-28-84. Dedicated fire watch personnel were stationed so that this pump could be returned to service if required.

The motor driven fire pump was made available at 0106 on 11-28-84 to provide a fire pump with auto start capability. This fire pump had been removed from service on 9-11-84 as reported in Unit 1 LER 84-009-00. The motor driven fire pump has not been fully restored to operable since the 9-11-84 event because it will not develop Technical Specification required discharge pressure but was able to supply a significant flow rate if required.

With the Motor Driven Fire Pump unable to provide normal flow and the Diesel Driven Fire Pump in manual control and isolated from the Fire Protection System main header, the fire suppression water system did not meet Technical Specification operability requirements. This event is reportable pursuant to T.S. 6.9.2 and Action Statement b.2 of T.S. 3.7.14.1. The Diesel Driven Fire Pump, which could be unisolated to supply the fire system header, was considered the backup fire suppression water system as required by T.S. 3.7.14.1 Action Statement.

The ruptured fire main pipe was replaced. The Diesel Driven Fire Pump was placed in automatic control and all isolation valves for the pump and the new pipe were opened at 1600 on November 30, 1984. A code required hydro test was conducted on December 3, 1984 and the Fire Protection System was considered operable at 1445.

The cause for the pipe rupture is being evaluated. Any significant findings from this evaluation will be provided as a supplement to this report.

Vepco

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION
P. O. BOX 402
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December 7, 1984

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

Serial No. N-84-033
NO/RST: 11
Docket No. 50-338
50-339

License No. NPF-4
NPF-7

Dear Sirs:

The Virginia Electric and Power Company hereby submits the following License Event Report applicable to North Anna Units No. 1 and 2.

Report No. LER 84-022-00

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
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Atlanta, Georgia 30303

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