

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) STEAM GENERATOR TUBE DEFECTS																	
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	1	18	85	020	00	1	2	16	85					0 5 0 0 0			
OPERATING MODE (9) 6			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)														
POWER LEVEL (10) 0100			20.402(b)				20.406(e)				80.73(a)(2)(iv)				73.71(b)		
			20.406(a)(1)(i)				80.36(e)(1)				X 80.73(a)(2)(v)				73.71(e)		
			20.406(a)(1)(ii)				80.36(e)(2)				80.73(a)(2)(vii)				OTHER (Specify in Abstract below and in Text, NRC Form 306A)		
			20.406(a)(1)(iii)				80.73(a)(2)(i)				80.73(a)(2)(viii)(A)						
			20.406(a)(1)(iv)				80.73(a)(2)(ii)				80.73(a)(2)(viii)(B)						
			20.406(a)(1)(v)				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 703 819 41-1515							
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	AIB	ITIB C	WH 1210	Y													
SUPPLEMENTAL REPORT EXPECTED (14)												EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR	
X YES (If yes, complete EXPECTED SUBMISSION DATE)												NO		02	14	85	
ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)																	

During the present refueling outage on Unit 1, eddy current inspections in 'C' Steam Generator identified greater than one percent of the sampled tubes to be defective. All of the defective tubes discovered during eddy current inspection were plugged. In order to help determine the cause of the defects, two of the defective tubes were pulled from the steam generator. Four support plate intersections and support plate scrapings were also obtained. These samples will be analyzed by Westinghouse (supplier of the steam generators).

Tube defects were also identified in 'A' and 'B' Steam Generators and were subsequently plugged. The number of defects identified was below the requirements for reportability but is included here for completeness.

A supplemental report will be provided once the analysis is completed by Westinghouse. Any corrective actions taken or planned will be included in the report at that time. The defects identified in 'C' Steam Generator are reportable pursuant to 10 CFR 50.73(a)(2)(v)(C) as required by Technical Specification 4.4.5.5.c.

8512240343 851216
PDR ADOCK 05000338
PDR

IE 22
11

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

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 5	— 0 2 0	— 0 0	0 2 OF 0 2

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

During the present refueling outage on Unit 1, eddy current inspections in 'C' Steam Generator identified greater than one percent of the sampled tubes (EIS Component Identifier TBG) to be defective. Eddy current testing was performed on 100% of the available tubes. Of these, 31 tubes exhibited clear indications of defects - all were plugged. Four of these tubes were identified as actual leakers during a hydrostatic pressure test. Sixteen additional tubes gave distorted indications and were subsequently plugged as a preventative measure. The majority of the tubes plugged were within 15 rows of the divider plate. (There are a total of 46 rows extending from the divider plate to the edge of the tubesheet). In order to help determine the cause of the defects, two of the defective tubes were pulled from 'C' Steam Generator. Four support plate intersections and support plate scrapings were also obtained during the removal. The samples will be analyzed by Westinghouse (supplier of the steam generators). To supplement the analysis, several alternate eddy current test methods were used on 14 tubes. The results of that testing are being used to provide information relative to the distorted indications that were observed.

Steam Generators 'A' and 'B' were also subjected to 100% eddy current testing. Although the Technical Specifications did not require 100% testing on these generators, management decided to perform the testing in order to ascertain completely the status of these generators. On 'A' Steam Generator one tube gave clear indications and 8 tubes gave distorted indications of being defective - all were plugged. On 'B' Steam Generator 18 tubes were plugged as a result of 11 clear indications and 7 distorted indications. The majority of these tubes were also within the first 15 rows from the divider plate.

A supplemental report will be provided once the analysis is completed by Westinghouse. Any corrective actions taken or planned will be included in the report at that time. The defects identified in 'C' Steam Generator are reportable pursuant to 10 CFR 50.73(a)(2)(v)(C) as required by Technical Specification 4.4.5.5.c.



VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION

P. O. BOX 402

MINERAL, VIRGINIA 23117

December 16, 1985

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

Serial No. N-85-036
NO/DWR: kbs
Docket No. 50-338

License No. NPF-4

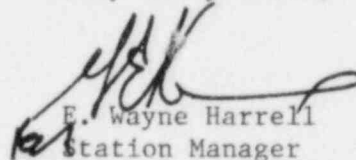
Dear Sirs:

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

Report No. LER 85-020-00

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

IE-22

11