

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

W. L. STEWART  
VICE PRESIDENT  
NUCLEAR OPERATIONS

December 10, 1984

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
Attn: Mr. James R. Miller, Chief  
Operating Reactors Branch No. 3  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Serial No. 693  
NO/JHL/lms  
Docket No. 50-339  
License No. NPF-7

Gentlemen:

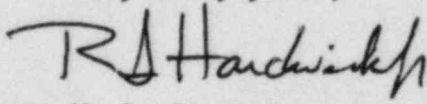
VIRGINIA ELECTRIC AND POWER COMPANY  
NORTH ANNA POWER STATION UNIT NO. 2  
LOW PRESSURE TURBINE INSPECTION RESULTS

Your letter of June 20, 1983, requested the results of the North Anna Unit No. 2 low pressure turbine inspection that took place during the third refueling outage.

Enclosed for your information are the results of the volumetric inspection. The results show that there were two indications. One indication was on the number 1 low pressure turbine on disc number 2 at bore hub areas 14-27. The other indication was on the number 2 low pressure turbine on disc number 5 at bore hub area 37 1/2. These indications do not present any significant degradation because they have no radial depth.

In addition, a visual inspection was performed. This inspection did not indicate any significant degradation. The visual inspection test results are available for review at North Anna Power Station.

Very truly yours,

  
for W. L. Stewart

Enclosure

cc: Mr. James P. O'Reilly  
Regional Administrator  
Region II

Mr. M. W. Branch  
NRC Resident Inspector  
North Anna Power Station

8412170353 841210  
PDR ADOCK 05000339  
Q PDR

A047  
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ULTRASONIC INSPECTION OF LP TURBINE DISCS  
(KEYWAYS AND BORE HUB AREAS)

FORM NO. PGSD 1041

DATE 9-10-84

DISTRIBUTION:

M K Conrad Broomall  
(PGSD QUALITY ASSURANCE MGR) (OFFICE LOCATION)  
M C. Patrick Richmond  
(PGSD DISTRICT MGR) (OFFICE LOCATION)  
M \_\_\_\_\_  
(STG TOD PROJECTS MGR) (OFFICE LOCATION - MAIL CODE)

CUSTOMER VEPCO  
STATION NORTH ANNA  
LOCATION MINERAL Va  
SHOP ORDER RME-96004  
TEAM LEADER(S) J. Reno  
TEAM MEMBER(S) F. Burton, D. Greenawalt, R. Fredenburg

DURATION OF INSPECTION 9-5-84 THRU 9-6-84  
(DATE) (DATE)  
UNIT 2 LP NO 12932  
SHAFT TEST NO TN-13000 BB 281  
PROCESS SPEC 84357PL REV 8

Set #2 USIP II SERIAL NO 21197-5591 OSCILLOSCOPE SERIAL NO B039213  
Set #3 " 21197-5594 " B034555

RESULTS OF INSPECTION

GOVERNOR END		DISC TEST #	GENERATOR END		DISC TEST #
		DWG #			DWG #
DISC #1	I-OK-NO INDICATIONS	TN-13015	I-OK-NO INDICATIONS	TN-12480	TN-12480
	O-OK-NO INDICATIONS	4737093			
DISC #2	I-OK-NO INDICATIONS	TN-12488	I-OK-NO INDICATIONS	TN-1247	TN-1247
	O-IND. BETWEEN 14-27	4737095			
DISC #3	I-OK-NO INDICATIONS	TN-12993	I-OK-NO INDICATIONS	TN-1299H	TN-1299H
	O-OK-NO INDICATION	4737092			
DISC #4	I-OK-NO INDICATIONS	TN-12473	I-OK-NO INDICATIONS	TN-1247	TN-1247
	O-OK-NO INDICATIONS	4481006			
DISC #5	I-OK-NO INDICATIONS	TN-12988	I-OK-NO INDICATIONS	TN-1298	TN-1298
	O-OK-NO INDICATIONS	4481007			
DISC #6					

REMARKS: INDICATIONS BETWEEN B.H.'S 14-27 NO RADIAL DEF.

APPROVED BY: \_\_\_\_\_  
(SIGNATURE OF QUALITY ASSURANCE ENGINEER) (DATE)



POWER GENERATION  
SERVICE DIVISION

ULTRASONIC INSPECTION OF LP TURBINE DISCS  
(KEYWAYS AND BORE HUB AREAS)

FORM NO. PGSD 1041

DATE 9-3-84

DISTRIBUTION:

M K. Conrad Broomall  
(PGSD QUALITY ASSURANCE MGR) (OFFICE LOCATION)  
M C. Patrick Richmond  
(PGSD DISTRIBUTION MGR) (OFFICE LOCATION)  
M \_\_\_\_\_  
(ISG TOO PROJECTS MGR) (OFFICE LOCATION - MAIL CODE)

CUSTOMER VEPCO  
STATION NORTH ANNA  
(PLANT NAME)  
LOCATION Mineral Va.  
(CITY OR TOWN) (STATE)  
SHOP ORDER RME-96005  
TEAM LEADER(S) J. Reno  
(NAME)  
TEAM MEMBER(S) R. Fredenberg; E. Burton; D. Greenawalt  
(NAME)

DURATION OF INSPECTION 9-2-84 THRU 9-3-84  
(DATE) (DATE)  
UNIT 2 LP NO 2  
SHAFT TEST NO 12763 BB 281  
PROCESS SPEC 84357 PL REV 8

Set #2 USIP II SERIAL NO 21197-5591  
S #3 " " " 21197-5594

OSCILLISCOPE SERIAL NO B039213  
" " B034555

RESULTS OF INSPECTION

GOVERNOR END		DISC Test NO.'s	GENERATOR END		DISC Test NO.'s
DISC #1	I-OK-NO INDICATIONS	TN-12485	I-OK-NO INDICATIONS	TN-12485	4737093
	O-OK-NO INDICATIONS	4737093			
DISC #2	I-OK-NO INDICATIONS	TN-12490	I-OK-NO INDICATIONS	TN-12489	4737095
	O-OK-NO INDICATIONS	4737095			
DISC #3	I-OK-NO INDICATIONS	TN-12995	I-OK-NO INDICATIONS	TN-12996	4737091
	O-OK-NO INDICATIONS	4737092			
DISC #4	I-OK-NO INDICATIONS	TN-13188	I-OK-NO INDICATIONS	TN-12476	4473076
	O-OK-NO INDICATIONS	4481006			
DISC #5	I-OK-NO INDICATIONS	TN-12990	I-OK-NO INDICATIONS	TN-12991	4473077
	O-IND A-B.H. 37 1/2 NO RADIAL DEPTH	4481007			
DISC #6					

REMARKS: INDICATION AT B.H. 37 1/2 NO RADIAL DEPTH

APPROVED BY: \_\_\_\_\_  
(SIGNATURE OF QUALITY ASSURANCE ENGINEER) (DATE)



POWER GENERATION  
SERVICE DIVISION