

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

R. H. LEASBURG  
VICE PRESIDENT  
NUCLEAR OPERATIONS

May 18, 1982

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

Serial No. 308  
NO, 3GE:ms  
Docket Nos. 50-338  
50-339  
License Nos. NPF-4  
NPF-7

Gentlemen:

TURBINE DISC INSPECTION SCHEDULE  
NORTH ANNA POWER STATION - UNITS 1 AND 2

In legal papers filed with the Atomic Safety and Licensing Appeal Board, Virginia Electric and Power Company has, at least by implication, agreed to inspect the turbine discs at its North Anna Power Station for cracking on a schedule to be determined by criteria developed by the Westinghouse Electric Corporation, the turbine vendor. This letter constitutes Vepco's commitment to that effect.

Vepco will perform an ultrasonic inspection of the discs on the low-pressure turbines at North Anna Units 1 and 2 on a schedule calculated by Westinghouse in accordance with Westinghouse's "Criteria For Low Pressure Nuclear Turbine Disc Inspection," MSTG-1-P, which was Applicant's Exhibit V-1 submitted to the Appeal Board. Unless the NRC Staff first approves an alternative basis, Vepco will base its inspection intervals on the disc that gives the shortest interval for the Unit involved regardless of whether that disc would be contained by the casing in the event it were to generate a turbine missile. This means that the next inspection of the turbine discs will take place 34.9 operating months after the last inspection for Unit 1 and 32.5 operating months for Unit 2, as indicated in the attached letter from Westinghouse of January 26, 1982.

As we pointed out in our letter to Mr. Harold R. Denton of September 22, 1981, Serial No. 546 (Applicant's Exhibit No. V-5 submitted to the Appeal Board), the calculated inspection intervals may on occasion be less than or longer than a scheduled fuel cycle. In that event Vepco will seek Westinghouse's guidance for scheduling the next inspection so as to coincide with a scheduled outage. Vepco will not operate beyond any calculated inspection interval (based on the worst-case disc, contained or not) without first obtaining an extension from the NRC Staff.

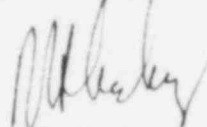
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Vepco plans to submit in mid-1982 an updated FSAR for North Anna Units 1 and 2 (in accordance with 10CFR50) that will describe the Westinghouse inspection criteria.

If you require any additional information, please let us know.

Very truly yours,



R. H. Leasburg

Attachment

cc: Mr. Richard C. DeYoung, Director  
Office of Inspection and Enforcement  
Washington, D. C. 20555

Mr. James P. O'Reilly, Regional Administrator  
Office of Inspection and Enforcement  
Region II  
Atlanta, Georgia 30303

Judge Alan S. Rosenthal  
Daniel P. Swanson, Esq.



Westinghouse  
Electric Corporation

Power Generation  
Group

Steam Turbine Division  
Lester Branch Box 9175  
Philadelphia Pennsylvania 19113

January 26, 1982

Mr. S. Eccles  
Virginia Electric & Power Company  
Nuclear Operations  
P. O. Box 26666  
Richmond, VA 23261

Re: Inspection Intervals for VEPCO North Anna #1 & #2

Dear Si:

Please refer to my letter to you dated October 7, 1981 outlining low pressure disc inspection intervals which comply with the NRC criterion. As per our telephone discussion on January 20, 1982, the final numbers based on our computer program have slightly changed. The following is the revised table #1 inspection intervals.

North Anna #1

LP #1 (Original Rotor Test No. TN1248)

<u>DISC</u>	<u>END</u>	<u>DISC TEST NO.</u>	<u>TIME, MONTHS</u>
1	GVN	TN1302	35.79
1	GNN	TN1301	42.93
2	GVN	TN1362	43.47
2	GNN	TN1361	43.30

LP #2 (GPU 3 Mile Island Rotor Test No. TN1243)

1	GVN	TN1612	47.10
1	GNN	TN1610	34.88
2	GVN	TN1618	52.31
2	GNN	TN1927	46.20

Mr. S. Eccles  
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North Anna #2

LP #1 (Rotor Test No. TN6125)

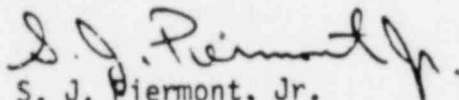
<u>DISC</u>	<u>END</u>	<u>DISC TEST NO.</u>	<u>TIME, MONTHS</u>
1	GVN	TN6120	32.46
1	GNN	TN6063	41.13
2	GVN	TN1902	43.33
2	GNN	TN1891	54.18

LP #2 (Rotor Test No. TN1759)

1	GVN	TN1928	42.50
1	GNN	TN1924	46.15
2	GVN	TN1898	45.91
2	GNN	TN1923	39.93

If you require any additional information, please let me know.

Sincerely,



S. J. Piermont, Jr.  
Project Engineer  
Eastern Area

:dfs

cc: Mr. F. R. Vacarro  
Mr. J. D. Dickinson  
Mr. R. Parr  
Mr. C. Patrick  
Mr. T. Sinback

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