

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

W. L. STEWART
VICE PRESIDENT
NUCLEAR OPERATIONS

February 21, 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. 092
NO/JHL:jab
Docket Nos. 50-338
50-339
License Nos. NPF-4
NPF-7

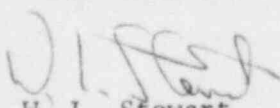
Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION UNIT NOS. 1 AND 2
SUPPORTING INFORMATION FOR REVISING THE TECHNICAL
SPECIFICATIONS FOR OPERABILITY OF THE TURBINE OVERSPEED
PROTECTION SYSTEM

Your letter dated February 6, 1984, requested additional information regarding our December 12, 1983 amendment request for revising the testing frequency of the turbine overspeed protection system. Our request was to test the turbine overspeed protection system, at North Anna Unit Nos. 1 and 2, on a monthly basis instead of once per seven days.

Your request was to provide confirmation that the secondary steam system for North Anna Unit Nos. 1 and 2 uses all volatile chemical treatment and that the turbine and turbine overspeed protection system fall within the envelope of the Westinghouse generic recommendations for monthly turbine valve testing. The all volatile chemical treatment for North Anna Unit Nos. 1 and 2 is described in Section 10.4.3.2 of the North Anna Power Station Updated Final Safety Analysis Report. As described, North Anna Unit No. 1, uses a modified all volatile chemical treatment with boric acid treatment and North Anna Unit No. 2 uses the normal all volatile chemical treatment. It should be noted that North Anna Unit No. 2 also uses the modified all volatile chemical treatment. The North Anna UFSAR will be updated to reflect this change. In addition, North Anna Unit Nos. 1 and 2 follow the recommendations of WCAP-8113, Revision 1 dated January, 1975 (SIP 5-4 Standard Information Package). With respect to whether the North Anna turbine and turbine overspeed protection system fall within the envelope of the Westinghouse generic recommendations for monthly turbine valve testing, enclosed is a letter from Westinghouse recommending a reduced surveillance interval of once per month.

Very truly yours,


W. L. Stewart

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PDR ADOCK 05000338
P PDR

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VIRGINIA ELECTRIC AND POWER COMPANY TO Harold R. Denton

Enclosure

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

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

Mr. Charles Price
Department of Health
109 Governor Street
Richmond, Virginia 23219



Westinghouse
Electric Corporation

456 Southlake Boulevard
Southport Business Center
Richmond Virginia 23236

December 2, 1983

Virginia Electric & Power Company
P. O. Box 26666
Richmond, Virginia 23261

Attention: Mr. W. L. Stewart
Vice-President Nuclear Operations

Subject: OMM 041, Recommended Testing For Steam Admission Valves
On BB 296 Nuclear Turbines With Steam Chests

North Anna - Units 1 and 2
S/N 13A3591 and 13A3931

Westinghouse Operation & Maintenance Memo 041 affecting the above units
is attached.

The purpose of this Memo is to recommend a change in the testing frequency
for steam admission valves on BB 296 nuclear turbines with steam chests.

- * Two extra copies of this OMM are attached. These should be filed in your
TMS manuals under green tab E.
- ** A copy of this letter is attached. Please acknowledge receipt of this in-
formation in the space provided and return the copy to us for our files.

Very truly yours,

Charles J. Patrick (ST)
Charles J. Patrick
Manager-PGSD
Richmond District

CJP/pb

Page 2.
December 2, 1983
OMM 041

CC: VEPCO, Richmond:

Mr. W. R. Cartwright, Manager Nuclear Operations Support
Mr. J. P. Maciejewski, Director of Administrative Services

CC: VEPCO, North Anna:

** Mr. E. W. Harrell, Station Manager
Mr. G. E. Kane, Asst. Station Manager
* Mr. J. R. Harper, Supt. of Maintenance

CC: Mr. H. O. Turner, Supt. System Traveling Maintenance
Virginia Electric & Power Co.
Henrico SMS Facility
5401 Charles City Road
Richmond, Virginia 23231

RECEIPT ACKNOWLEDGED: _____

Name

Title

Date

BCC: RICHMOND, EUS, T. H. SINBACK
PRODUCT MANAGER, STGD COMMERCIAL OPERATIONS, ORLANDO, 375
MANAGER, PGSD, TMS PROGRAM, BROOMALL

**Availability
today &
tomorrow**



Westinghouse

OPERATION & MAINTENANCE MEMO

041

File Copy

Units Involved:

North Anna 1 & 2

RECOMMENDED TESTING FREQUENCY FOR STEAM ADMISSION VALVES ON BB 296 NUCLEAR TURBINES WITH STEAM CHESTS

NOVEMBER 14, 1983

R. M. Reber

Approved:

R. M. Reber, Manager
Technical Development
Power Generation Service Division

C. W. Meck

Approved:

C. W. Meck, Product Manager
Commercial Operations
Steam Turbine-Generator Division



OPERATION & MAINTENANCE MEMO 041

1 REASON FOR MEMO

Based on a review of testing frequency and performance data from Westinghouse turbine and component incidents records and a 1982 survey of utilities operating Westinghouse nuclear turbines, Westinghouse concluded that for nuclear units with steam chests there is no significant difference in the valve failure rate between valves tested weekly and those tested monthly. It was further noted that monthly versus weekly valve testing frequency may be beneficial because it reduces the time a plant is operating in a "transient state."

2 OPERATION AND MAINTENANCE INFORMATION

Westinghouse recommends that the throttle, governor, interceptor and reheat stop valves of nuclear turbine-generator units with steam chests be tested monthly.