

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401  
400 Chestnut Street Tower II

April 8, 1983

HTRD-50-518/82-24  
HTRD-50-520/82-24  
BLRD-50-438/82-82  
BLRD-50-439/82-73

U.S. Nuclear Regulatory Commission  
Region II  
Attn: Mr. James P. O'Reilly, Regional Administrator  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

HARTSVILLE PLANT A AND BELLEFONTE NUCLEAR PLANTS UNITS 1 AND 2 - DELAVAL  
PROBLEM WITH STARTING AIR VALVE ASSEMBLY ON STANDBY DIESELS -  
HTRD-50-518/82-24, HTRD-50-520/82-24, BLRD-50-438/82-82, BLRD-50-439/82-73 -  
SECOND INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector P. E. Fredrickson on December 1, 1982 in accordance with 10 CFR 50.55(e) as NCRs HTA MEB 8202 and BLN MEB 8207. Enclosed is our second interim report. TVA has elected to defer construction activities on Hartsville. Deferral does not mean that the project will be cancelled but that TVA is minimizing its expenditures and construction efforts until such time that TVA has sufficient information to indicate whether the project should be completed or cancelled. Therefore, we will not be submitting further information on Hartsville until a final decision is made regarding this project. We expect to submit our next report by January 30, 1984. We consider 10 CFR Part 21 applicable to this deficiency.

If you have any questions, please get in touch with R. H. Shell at FTS 858-2688.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

*L. M. Mills*  
L. M. Mills, Manager  
Nuclear Licensing

Enclosure

cc: Mr. Richard C. DeYoung, Director (Enclosure)  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Records Center (Enclosure)  
Institute of Nuclear Power Operations  
1100 Circle 75 Parkway, Suite 1500  
Atlanta, Georgia 30339

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## ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2  
DELAVAL PROBLEM WITH STARTING AIR  
VALVE ASSEMBLY ON STANDBY DIESELS  
NCR BLN MEB 8207  
10 CFR 50.55(e)  
BLRD-50-438/82-82, BLRD-50-439/82-73  
SECOND INTERIM REPORT

### Description of Deficiency

There exists a potential problem with the starting air valve assemblies for TVA's standby diesel generators at Bellefonte Nuclear Plant. The standby diesel generators were manufactured by Transamerica Delaval, Inc. (TDI), of Oakland, California. The starting air valve assembly was manufactured and installed in the cylinder head by TDI. TDI has notified the NRC of this defect under 10 CFR 21 by letter dated May 13, 1982 from R. E. Boyer, Manager, Quality Assurance to the Director of the Office of Inspection and Enforcement.

The potential defect is related to the length of the capscrew which holds the starting air valve assembly in the cylinder head. If all dimension tolerance is stacked in one direction, the installed clearance is less than desirable. If this capscrew bottoms in the tapped hole in the cylinder head before the assembly is properly seated, the torque wrench reading would be misleading and the assembly would be too loose and could possibly fail.

### Interim Progress

TVA is continuing in our attempt to acquire the necessary information from Transamerica Delaval, Incorporated (TDI), to close this nonconformance report. The latest information obtained from TDI stated that the "assignable cause" and "action required to prevent recurrence" was not information that TDI is required to submit to TVA for each 10 CFR 21 notice. (TDI letter dated December 2, 1982--MEB 821207 510.) TVA has requested that TDI submit a quotation for this information.