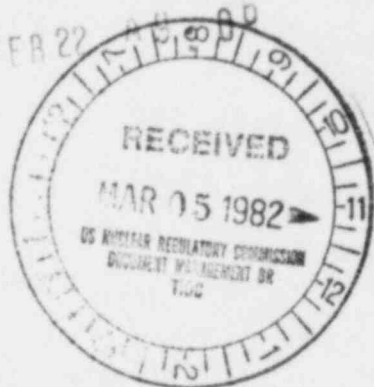


TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

February 19, 1982



U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

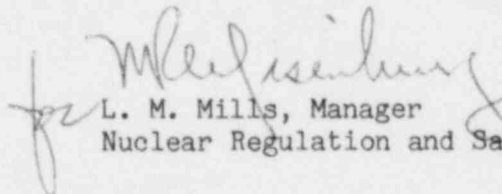
BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - NAMEPLATES ON WESTINGHOUSE MOTORS
- NCR 1191 - FINAL REPORT

The subject nonconformance was initially reported to NRC-OIE Inspector B. Cochran on July 9, 1980 in accordance with 10 CFR 50.55(e). This was followed by our interim reports dated August 8 and October 22, 1980 and January 9, April 27, August 18, November 5, and November 20, 1981. As discussed with R. V. Crlenjak by telephone on February 3, 1982, this response was delayed. Enclosed is our final report.

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

Very truly yours,

TENNESSEE VALLEY AUTHORITY


L. M. Mills, Manager
Nuclear Regulation and Safety

Enclosure

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

8203080449 820219
PDR ADOCK 05000438
S PDR

OFFICIAL COPY

TE 27511

ENCLOSURE
BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
NAMEPLATES ON WESTINGHOUSE MOTORS
NCR 1191
10 CFR 50.55(e)
FINAL REPORT

Description of Deficiency

Nameplate data on Westinghouse motors for Auxiliary Building air handling units (AHU), furnished under contract 76K38-86925-1 by the Trane Company gives the service factors as 1.0. TVA's specification requires a service factor of 1.15.

TVA's research into the problem indicates that no documentation exists in TVA files in the form of test reports or certifications from the vendor to substantiate that the motors have a 1.15 service factor as required by contract. TVA has therefore assumed that the motor manufacturer's nameplate data is correct and the motors have a service factor of 1.0. Moreover, TVA has found that these motors are among 62 Class IE motors for which TVA lacks environmental qualification documentation. The motors require nuclear grade qualifications per IEEE 334-1974 and in accordance with the environmental parameters in the contract.

Safety Implication

The incorrect information on the nameplate could not, in itself, affect the motors as the motors were provided with a service factor of 1.15. Also, the environmental qualification of this equipment has been provided. Therefore, the safe operation of the plant was not affected by this deficiency.

Corrective Action

TVA has received documentation from the Trane Company which certifies that the motors are built with a 1.15 service factor in accordance with the contract specifications.

New motor nameplates were provided by the Trane Company in June and sent to Bellefonte Nuclear Plant.

The Trane Company has submitted Westinghouse Technical Report MM-9112, Qualification Document, Class IE Medium A.C. Motors to verify that these motors meet the requirements of IEEE Standards 323 and 334, and therefore, meet the contract requirements and are qualified for their working environment. TVA has reviewed this document relative to the FSAR environmental tables and found it acceptable for its intended use and location. The Trane Company has also submitted Westinghouse Certificates of Conformance certifying that the motors supplied are identical to those analyzed in the approved report, and TVA has "Accepted for Use" these documents.

Therefore, the nonconforming conditions (discrepant motor nameplates and lack of environmental qualification documentation) have been corrected. To prevent recurrence, TVA's Division of Engineering Design Quality Engineering Branch inspectors have been instructed by memorandum to review equipment in greater detail to assure that requirements are met before release for delivery to TVA.