TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

September 30, 1983 83 SEP 30 A9:21

WBRD-50-390/82-31
WBRD-50-391/82-28

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:

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - NO EVIDENCE THAT AUXILIARY FEEDWATER PUMP COMPONENTS MEET CODE REQUIREMENTS, ASME CLASS 3, TVA CLASS C - WBRD-50-390/82-31, WBRD-50-391/82-28 - FINAL REPORT

The subject deficiency was initially reported to NRC-OIE Inspector R. V. Crlenjak on March 30, 1982 in accordance with 10 CFR 50.55(e) as NCR 3755R. Interim reports were submitted on May 11 and July 2, 1982 and January 11 and July 18, 1983. Enclosed is our final report.

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, Manager
Nuclear Licensing

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

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

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ENCLOSURE

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
NO EVIDENCE THAT AUXILIARY FEEDWATER PUMP COMPONENTS MEET CODE REQUIREMENTS, ASME CLASS 3, TVA CLASS C
NCR 3755I
WBRD-50-390/82-31, WBRD-50-391/82-28
10 CFR 50.55(e)
FINAL REPORT

Description of Deficiency

There is no objective evidence that auxiliary feedwater pump components (jet compressor, oil coolers, etc.) conform to the requirements of ASME Class 3 or TVA Class C. Also, no quality standards or design conditions were specified on TVA drawings for the vendor's accessories (which were to be installed by TVA) due to the lack of criteria defining the safety classification of this equipment.

Safety Implications

Had this condition remained uncorrected, the subject auxiliary feedwater pump components could have been installed to requirements less than suitable for their intended use. This could have jeopardized the integrity of the Auxiliary Feedwater System, and thereby, affected safe operation of the plant.

Corrective Action

TVA's investigation of this matter has determined that the questioned components are qualified and suitable for their intended service without full conformance to ASME Section III Class 3 (TVA Class C). This justification is based on the guidelines set forth in Regulatory Guide 1.26 and the resultant TVA criteria regarding those components not covered by ASME Section III.

TVA drawings (47W803-3, 47W427-7, 47W427-8, and 47W427-9) have been revised under ECN 3198 to indicate that the subject piping and components are identified as TVA Class C, vendor-supplied, safety-related equipment packages. TVA has checked the installation of the questioned components for unit 1 and have redone any unverifiable work, and the unit 1 components are now installed to TVA Class C requirements. Because the unit 2 components have not yet been installed, no evaluation or rework is required and these components will be installed to TVA Class C requirements in the normal construction process.

TVA has reviewed other piping system drawings as called for under ECN 3555 which was issued to identify "vendor-supplied, safety-related equipment packages" and includes specific instructions for classification of vendor interfaces in drawings 47B21-1, R4 and 47B21-1A, R0. The instructions on these two drawings coupled with the instructions for installation of vendor-supplied packages now included in TVA Specification N3M-868-2 will also prevent recurrence of this problem.