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

USNRC REGION II
ATLANTA, GEORGIA
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May 17, 1982

WBRD-50-390/82-38
WBRD-50-391/82-35

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:

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - JAMESBURY VALVES - SEISMIC CONCERN - WBRD-50-390/82-38, WBRD-50-391/82-35 - FINAL REPORT

The subject deficiency was initially reported to NRC-OIE Inspector R. V. Crlenjak on April 12, 1982 in accordance with 10 CFR 50.55(e) as NCR 001 R1. Enclosed is our final report. The schedule for submittal of this report was discussed with Inspector Crlenjak on May 11, 1982.

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, DC 20555

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ENCLOSURE

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
JAMESBURY VALVES - SEISMIC CONCERN
NCR 001 R1
WBRD-50-390/82-38, WBRD-50-391/82-35
10 CFR 50.55(e)
FINAL REPORT

Description of Deficiency

The seven 18" butterfly type valves furnished by Jamesbury Corporation (Worchester, Massachusetts) for use as isolation valves in the heating, ventilating, and air-conditioning system (HVAC) are required to meet ANSI B31.1 and Seismic Category I requirements. These valves are located outside containment. Unqualified valves were shipped from the manufacturer's facility because the seismic requirements were not evaluated and properly documented. This deficiency occurred due to the valve manufacturer receiving erroneous information from his local representative concerning the specification requirements and the manufacturer's shipping of the valves based on the erroneous information. The manufacturer was released for production by TVA at time of award but was not released for shipment. TVA was notified by Jamesbury Corporation of this deficiency after a TVA request for drawings and Jamesbury's review of a copy of the technical specification finally received from their local representative. These valves have been installed in the HVAC System.

Safety Implications

These valves are used in pressurizing the control room and preventing radioactivity from seeping into it through the HVAC System. The potential failure of these valves during a seismic event could lead to deterioration of the environment in the main control room during an accident condition which could adversely affect the safety of operation of the plant.

Corrective Action

The manufacturer will provide additional seismic bracing to correct the deficiency and furnish required documentation.

The manufacturer and his local representative have been instructed to proceed with more care in the future in providing equipment of this type.

All modifications will be completed before fuel load.