

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

June 8, 1981

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WBRD-50-390/81-50
WBRD-50-391/81-48



Mr. James P. O'Reilly, Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Region II - Suite 3100
101 Marietta Street
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - PIPING CLASSIFICATION FOR ERCW SYSTEM - WBRD-50-390/81-50, WBRD-50-391/81-48 - FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector R. V. Crlenjak on May 7, 1981, in accordance with 10 CFR 50.55(e) as NCR 3116R. Enclosed is our first interim report. We expect to submit our next report by July 3, 1981.

If you have any questions, please get in touch with D. L. Lambert at FTS 857-2581.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills, Manager
Nuclear Regulation and Safety

Enclosure

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

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S/p

ENCLOSURE
WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
PIPING CLASSIFICATION FOR ERCW
WBRD-50-390/81-50, WBRD-50-391/81-48
10 CFR 50.5(e)
FIRST INTERIM REPORT

Description of Deficiency

This deficiency concerns piping installed in the Essential Raw Cooling Water (ERCW) System between the first two isolation valves and flanges of the ERCW System chillers/coolers. Design changes were made which resulted in the subject piping being installed as TVA Class M (safety related - limited requirements) instead of TVA Class C (safety related) which is required. However, craft employees used Class C material even though it was installed as Class M.

During design consideration, the interface boundaries between the Heating, Ventilation, and Air Conditioning (HVAC) System and ERCW System consisting of the chiller/coolers and other HVAC components (e.g., containment spray pump room coolers, main control room air conditioner water chiller, instrument room water cooler, and centrifugal charging pump room coolers) were improperly classified. Related NCR WBNNEB8106 concerns the qualification of the subject chillers/coolers and deficient piping of the HVAC System to be reported separately.

Approximately 1200 feet of piping in the ERCW System were installed incorrectly as Class M and about 400 out of 900 welds were made during this installation without welder identification.

Interim Progress

TVA is still in the process of determining what steps need to be taken to resolve this nonconforming condition.