

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

April 24, 1981

WBRD-50-390/81-33
WBRD-50-391/81-32

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 - SEISMIC QUALIFICATION FOR ERCW AIR COOLING UNITS - WBRD-50-390/81-33, WBRD-50-391/81-32 - FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector R. V. Crleanjak on March 24, 1981, in accordance with 10 CFR 50.55(e) as NCR WBN NEB 8106. Enclosed is our first interim report. We expect to provide additional information by July 14, 1981.

If you have any questions concerning this matter, 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, Jr., 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
SEISMIC QUALIFICATION FOR ERCW AIR COOLING UNITS
WBRD-50-390/81-33 and WBRD-50-391/81-32
FIRST INTERIM REPORT

Description of Deficiency

During the design review of the Watts Bar Essential Raw Cooling Water (ERCW) System, it was discovered that portions of the ERCW System (equipment coolers, air cooling units) may not have proper seismic specification. Watts Bar Design Criteria WB-DC-40-36.1, Revision 0, requires in table 3.3.1, section B.7, that ANS Safety Class 2b equipment be Seismic Category I. These coolers are shown on TVA design drawings, 47W845 series, as TVA Class G, Seismic Category I(L), which permits functional failure but not failure such as to damage other safety equipment. These air cooling units serve essential safety-related equipment (e.g., RHR, SIS, CSS pumps, etc.) required for accident mitigation.

Interim Progress

TVA is in the process of evaluating the air cooling units to determine whether they are seismically qualified.