

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37402

400 Chestnut Street Tower II

June 18, 1981

Mr. James P. O'Reilly, Director
Office of Inspection and Enforcement
J.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 - RADIATION DOSE INSIDE CONTAINMENT
EXCEEDS CABLE QUALIFICATION - NCR WBN QEB 8001 - FIFTH INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
M. Thomas on March 31, 1980, in accordance with 10 CFR 50.55(e).
Interim reports were submitted on April 24, July 1, and September 19,
1980, and April 13, 1981. We expect to provide additional information
by August 20, 1981.

TVA is proceeding to calculate the beta radiation dose to the cables inside
containment as a function of depth into the cable. Beta source terms in
containment and cable models have been developed, and preliminary analyses
of the doses in the cables are being performed.

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

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

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