

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

November 26, 1980

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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 - AUTOMATIC FIXED WATER SPRAY SYSTEM
IN REACTOR BUILDING ANNULUS - NCR WBN SWP 8010 - FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
M. Thomas on October 27, 1980, in accordance with 10 CFR 50.55(e).
Enclosed is our first interim report. We expect to provide additional
information by January 9, 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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ENCLOSURE

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
AUTOMATIC FIXED WATER SPRAY SYSTEM IN REACTOR BUILDING ANNULUS
NCR WBN SWP 8010
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

Electrical cable interdivisional (train A and B) interaction areas in the reactor building annulus of units 1 and 2 are not covered by the automatic fixed water spray system. This situation is not in accordance with the Watts Bar Nuclear Plant supplemental fire protection design criteria and supplemental fire protection recommendations.

Apparently, there was a loss of design continuity between electrical and mechanical designers caused by a failure to properly document interactions on permanent drawings. The deficiency was discovered by field personnel.

Interim Progress

TVA has reviewed the coverage of train A-train B interaction areas. Fire protection drawings have been developed which properly identify all interaction areas in order to provide adequate water spray coverage. TVA is now in the process of modifying the fire protection system at Watts Bar Nuclear Plant in order to encompass the additional interaction areas that were identified.