

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

February 25, 1983

WBRD-50-390/82-03
WBRD-50-391/82-03

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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:

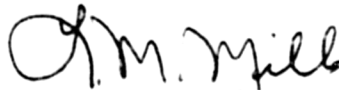
WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - CABLE SEPARATION IN THE ERCW INTAKE
PUMPING STATION - WBRD-50-390/82-03, WBRD-50-391/82-03 - FIFTH INTERIM
REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
R. V. Crlenjak on December 4, 1981 in accordance with 10 CFR 50.55(e)
as NCR WBN MEB 8114. Interim reports were submitted on January 8,
February 24, July 21, and November 19, 1982. Enclosed is our fifth interim
report. We expect to submit our next report on or about June 16, 1983.

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, Manager
Nuclear Licensing

Enclosure

cc: Mr. Richard C. DeYoung, Director (Enclosure)
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

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ENCLOSURE

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
CABLE SEPARATION IN THE ERCW INTAKE PUMPING STATION
NCR WBN MEB 8114
WBRD-50-390/82-03, WBRD-50-391/82-03
10 CFR 50.55(e)
FIFTH INTERIM REPORT

Description of the Deficiency

A 20-foot spatial separation or circuit protection for the trained redundant safety related cable interactions was not provided within the ERCW intake pumping station. These redundant Train A and Train B ERCW pump and ERCW strainer power and control cables were not identified in TVA's fire protection shutdown analysis, Table 1.4 (contained in the Fire Protection Submittal forwarded to the NRC by letter from L. M. Mills to A. Schwencer dated September 9, 1980). This is a violation of the cable separation requirements for safe shutdown circuits in the event of fire.

Interim Progress

All drawings have been revised per engineering change notice (ECN) 3321 to add one hour rated fire barrier protection for those Train B ERCW system cables routed less than 20 feet from Train A cables. This continuous barrier will include wrapping of cables and conduits with an approved fire barrier material. Also, an approved fire barrier assembly will be provided for applicable Train B cable trays. The fire barrier will extend until a minimum of 20-foot spatial separation between redundant circuit cables is achieved.

TVA Purchase Requisition No. 832419 has been issued for procurement of the necessary qualified fire barrier materials and installation procedures.

All appropriate electrical conduit and grounding drawings will be revised per ECN 3738, adding a note specifying the requirement of the 20-foot spatial separation or 1-hour rated fire barrier between the cable trays and conduits used to route cables for redundant circuits required in TVA's fire protection shutdown analysis.