

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

83 AUG 23 AUG 25, 1983

WBRD-50-390/81-18
WBRD-50-391/81-17

U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - REROUTING OF HIGH-PRESSURE FIRE PROTECTION PIPING - WBRD-50-390/81-18, WBRD-50-391/81-17 - SUPPLEMENTAL INFORMATION

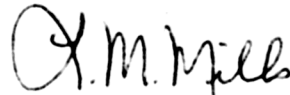
The subject deficiency was initially reported to NRC-OIE Inspector R. W. Wright on January 30, 1981 in accordance with 10 CFR 50.55(e) as NCR SWP 8103. Interim reports were submitted on March 2 and June 3, 1981. A final report was submitted on August 14, 1981, and additional information was submitted on September 18, 1981. Subsequent interim reports were submitted on March 2, July 20, October 15, and December 17, 1982. Our final report was submitted on June 21, 1983.

The following supplemental information was requested by Paul Fredrickson, Linda Watson, and Don Quick in a telecon on June 29, 1983. We are submitting the enclosed information to define the cause and action to prevent recurrence. This supplemental information does not represent a condition adverse to plant safety and as such does not impact our previous determination of 10 CFR 50.55(e) nonapplicability.

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

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PDR ADCK 05000390
S PDR

Enclosure

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

Records Center (Enclosure)
Institute of Nuclear Power Operations
1100 Circle 75 Parkway, Suite 1500
Atlanta, Georgia 30339

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ENCLOSURE

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
REROUTING OF HIGH-PRESSURE FIRE PROTECTION PIPING
NCR WBN SWP 8103
WBRD-50-390/81-18, WBRD-50-391/81-17
10 CFR 50.55(e)
SUPPLEMENTAL INFORMATION

Cause

The subject deficiency was the result of a working agreement to expedite resolution of interferences encountered in installing the fire protection sprinkler piping. This agreement between construction and design organizations was initiated by an internal memorandum on January 23, 1980. TVA's Division of Construction was to temporarily install fire protection piping to avoid interferences with other piping systems which were already in place while making an effort to follow design routings as closely as practical. The temporary installation would then be given a preliminary approval by onsite design personnel and submitted to EN DES by FCR for full design review before approving the final installation configuration. However, the temporary installation became the controlling factor in the design approval process. Thus, complete review and coordination by affected design organizations were not accomplished. This is a violation of EN DES engineering procedure (EN DES-EP) 4.03, "Field Change Requests Initiated by Construction."

Action Required to Prevent Recurrence

TVA's design organization is committed to follow EN DES-EP 4.03 and all other EPs. A training program has been set up to educate EN DES employees on current and revised EP content. These employees have been trained in accordance with the stated program. This continuous training program will prevent recurrences of similar nonconformances.