

TENNESSEE VALLEY AUTHORITY
ATLANTA, GEORGIA
CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

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June 27, 1983

WBRD-50-390/83-08
WBRD-50-391/83-07

HTRD-50-518/83-03
HTRD-50-520/83-03

YCRD-50-566/83-01
YCRD-50-567/83-01

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, HARTSVILLE, AND YELLOW CREEK NUCLEAR PLANTS UNITS 1 AND 2 -
TRANSFER SWITCHES TO AUXILIARY FEEDWATER HAVE NONDIVISIONAL POWER -
WBRD-50-390/83-08, WBRD-50-391/83-07, HTRD-50-518/83-03, HTRD-50-520/83-03,
YCRD-50-566/83-01, YCRD-50-567/83-01 - SECOND INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
A. K. Hardin on February 2, 1983 in accordance with 10 CFR.50.55(e) as NCR
GEN NEB 8301. TVA has elected to defer construction activities on Yellow
Creek and Hartsville. Deferral does not mean that the project will be
cancelled, but that TVA is minimizing its expenditures and construction
efforts until such time that TVA has sufficient information to indicate
whether the project should be completed or cancelled. Therefore, we will
not be submitting further information on Yellow Creek or Hartsville until
final decision is made regarding these projects. Our first interim report
was submitted on March 2, 1983. Enclosed is our second interim report.
We expect to submit our next report on or about September 27, 1983.

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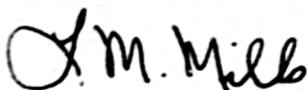
U.S. Nuclear Regulatory Commission

June 27, 1983

If you have any questions concerning this matter, 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

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

ENCLOSURE
WATTS BAR, HARTSVILLE, AND YELLOW CREEK NUCLEAR PLANTS
TRANSFER SWITCHES AUXILIARY FEEDWATER HAVE NONDIVISIONAL POWER
NCR GEN NEB 8301
10 CFR 50.55(e)
WBRD-50-390/83-08, WBRD-50-391/83-07
HTRD-50-518/83-03, HTRD-50-520/83-03
YCRD-50-566/83-01, YCRD-50-567/83-01
SECOND INTERIM REPORT

Description of Deficiency

During design review of the auxiliary feedwater (AFW) system, it was discovered that pressure switches PS-121A, -121B, and -121D are shown on drawing number 47W610-3-3 as receiving nondivisional power whereas WBN FSAR section 19.4.9.1 states that backup to the condensate storage tank is from the fully qualified seismic category I essential raw cooling water (ERCW) system and that the controls associated with the fully qualified ERCW transfer valves meet the requirements of IEEE-279. Furthermore, Westinghouse Steam System Design Manual, Section III-2 (R2), states that "the whole of the auxiliary feedwater system (water supply, piping, pumps, power sources, etc.) must be 'safety class' design standard."

Interim Progress

TVA has decided to provide redundant circuits identical to the existing design, identify the circuits as train "A" and "B," and align them with the train "A" and "B" valves in the automatic transfer scheme. TVA is in the process of implementing this action and will provide more information in our next report.