

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

83 OCT 17 P 1: 34 October 14, 1983
WBRD-50-390/83-58
WBRD-50-391/83-54

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 - SHORTED INDICATING LIGHTS IN
WESTINGHOUSE PANELS - WBRD-50-390/83-58, WBRD-50-391/83-54 - FIRST INTERIM
REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
P. E. Fredrickson on September 15, 1983 in accordance with 10 CFR 50.55(e) as
NCR 5073. Enclosed is our first interim report. We expect to submit our next
report on or about December 15, 1983.

If you have any questions, please get in touch with R. H. Shell at
FTS 858-2688.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

D S Kammer

for 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

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ENCLOSURE

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
SHORTED INDICATING LIGHTS IN WESTINGHOUSE PANELS
NCR 5073
10 CFR 50.55(e)
WBRD-50-390/83-58, WBRD-50-391/83-54
FIRST INTERIM REPORT

Description of Deficiency

TVA has identified that some metal braid shields on trained internal wiring for handswitches in Westinghouse control board panels have made contact with the separate indicating lights mounted on the panels. This has caused an electrical ground to the lights in some cases. The control boards contain circuitry and switches for the reactor protection system.

Interim Progress

TVA has discovered that this problem was previously identified for Sequoyah Nuclear Plant (SQN) in 1975 in NRC inspection report Nos. 50-327/75-11 and 50-328/75-7. As a corrective action, Westinghouse provided a trained wiring separation procedure and wiring sketch (EDSK-CW-051976) to TVA for SQN and Watts Bar Nuclear Plant (WBN) in their letter No. WAT-D-2294 dated May 25, 1976. TVA approved the Westinghouse procedure and sketch in letter Nos. 5229 and W-2292 dated July 2, 1976. As such, there is no departure from the technical requirements of the Westinghouse procurement documents and, consequently, TVA no longer considers 10 CFR 21 applicable to this deficiency.

The corrective action provided by Westinghouse was used successfully at SQN and the problem no longer exists there. TVA is investigating the cause as to why the approved Westinghouse information was not incorporated at WBN.