

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

83 DEC 14 All : 19 December 13, 1983

WBRD-50-390/83-65
WBRD-50-391/83-60

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:

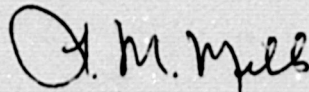
WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - ENVIRONMENTAL QUALIFICATION OF
MECHANICAL EQUIPMENT WBRD-50-390/83-65, WBRD-50-391/83-60 - FIRST INTERIM
REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
Linda Watson on November 9, 1983 in accordance with 10 CFR 50.55(e) as NCRs
WBN NEB 8326, 8327, 8328, and 8331. Enclosed is our first interim report. We
expect to submit our next report on or about February 22, 1984.

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

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
ENVIRONMENTAL QUALIFICATION OF MECHANICAL EQUIPMENT
NCRs WBN NEB 8326, 8327, 8328, AND 8331
WBRD-50-390/83-65, WBRD-50-391/83-60
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

The Nuclear Regulatory Commission (NRC) requested (in their letter to H. G. Parris dated April 1, 1983) that TVA provide a mechanical equipment evaluation report on safety-related equipment located in harsh environment areas for Watts Bar Nuclear Plant units 1 and 2. Impell Corporation, Norcross, Georgia, has completed a mechanical equipment qualification report for TVA. In this report, Impell notified TVA of certain nonmetallic materials that are sensitive to the effects of radiation. Impell has identified these materials to be in the safety injection pumps, centrifugal charging pumps, containment spray pumps, residual heat removal pumps, and Grinnel diaphragm valves in the ice condenser, reactor coolant, waste disposal, and primary makeup water systems supplied to TVA by Westinghouse under the NSSS contract.

Interim Progress

TVA is pursuing procurement of adequate replacement materials for the pumps and valves in question through Westinghouse. Westinghouse was requested to submit a schedule for replacement parts and materials and appropriate certification by November 30, 1983. No information has been received from Westinghouse to date.