

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
5N 157B Lookout Place

FEB 26 1988

WBRD-50-390/88-02
WBRD-50-391/86-49

10 CFR 50.55(e)

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Gentlemen:

In the Matter of the Application of)
Tennessee Valley Authority) Docket Nos. 50-390
50-391

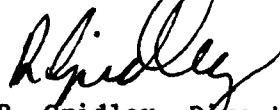
WATTS BAR NUCLEAR PLANT (WBN) UNITS 1 AND 2 - FAILURE TO IMPLEMENT G-32
REQUIREMENTS FOR CONCRETE CHIPPING - WBRD-50-390/88-02 AND WBRD-50-391/86-49 -
SECOND INTERIM REPORT

The subject deficiency was initially reported to NRC Region II Inspector Gordon Hunegs on May 8, 1986, in accordance with 10 CFR 50.55(e) as SCR WBN 6762. Our first interim report was submitted on June 6, 1986. Subsequently, it was determined that the same deficiency exists on unit 1 and is being reported as NCR W-434-P. Enclosed is our second interim report. We expect to submit our next report on or about May 25, 1989.

If there are any questions, please telephone C. J. Riedl at (615) 365-8527.

Very truly yours,

TENNESSEE VALLEY AUTHORITY


R. Gridley, Director
Nuclear Licensing and
Regulatory Affairs

Enclosure
cc: See page 2

IE27
1/1

8803010436 880226
PDR ADOCK 05000390
S DCD

U.S. Nuclear Regulatory Commission

FEB 26 1988

cc (Enclosure):

Mr. K. P. Barr, Acting Assistant Director
for Inspection Programs
TVA Projects Division
U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Mr. G. G. Zech, Assistant Director
for Projects
TVA Projects Division
U.S. Nuclear Regulatory Commission
One White Flint, North
11555 Rockville Pike
Rockville, Maryland 20852

Record Center
Institute of Nuclear Power Operations
1100 Circle 75 Parkway, Suite 1500
Atlanta, Georgia 30339

U.S. Nuclear Regulatory Commission
Watts Bar Resident Inspector
P.O. Box 700
Spring City, Tennessee 37381

ENCLOSURE

WATTS BAR NUCLEAR PLANT (WBN) UNITS 1 AND 2
FAILURE TO IMPLEMENT G-32 REQUIREMENTS FOR CONCRETE CHIPPING
WBRD-50-390/88-02 AND WBRD-50-391/86-49
NCR W-434-P AND SCR WBN 6762-S
10 CFR 50.55(e)

SECOND INTERIM REPORT

DESCRIPTION OF DEFICIENCY

Since February 17, 1981, Appendix D of General Construction Specification G-32 has required that the clear distance between existing concrete and the bolthead of a grouted anchor being installed in a hole or a chipped-out area where the sides are sloping be at least three nominal bolt diameters for individual anchors and six nominal bolt diameters for multiple anchors. However, as a result of a generic review for a Bellefonte Nuclear Plant Nonconforming Condition Report (NCR) concerning the installation of grouted anchors, TVA discovered that the G-32 requirement had not been incorporated into the appropriate WBN Modification and Addition Instruction M&AI-1 for unit 1, nor Quality Control Procedure WBN-QCP-1.14 for unit 2, until January 15 and July 31, 1985, respectively.

SAFETY IMPLICATIONS

While no failed grouted anchors have been identified, there is a potential for reduced anchorage capacities if the G-32 requirement was not implemented. Under design basis accident conditions, a reduced anchorage capacity could result in failure of the support(s). This condition could subsequently cause a loss of function in safety-related piping systems, thereby, adversely affecting plant safety.

INTERIM PROGRESS

TVA has completed a review of affected "Grouted Anchor Test Data" sheets (attachment D of WBN-QCP 1.14) for unit 2. Single-grouted anchors with acceptable proof load tests are being dispositioned "use-as-is." For installations utilizing multiple anchors installed with concrete or other cases with no anchor proof load and torque tests, further evaluation will be performed to determine acceptability.

The corrective actions for unit 1 will be similar to that taken for unit 2.

TVA will provide our next report on this item on or about May 25, 1989.