

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

December 9, 1982

WB RD-50-390/82-95

WB RD-50-391/82-91

U.S. Nuclear Regulatory Commission
Region II

Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

**WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - INADEQUATE QUALITY ASSURANCE
PROGRAM FOR MASONRY BLOCK WORK - WB RD-50-390/82-95, WB RD-50-391/82-91 -
SECOND INTERIM REPORT**

The subject deficiency was initially reported to NRC-OIE Inspector D. Quick on September 2, 1982 in accordance with 10 CFR 50.55(e) as Audit WB-C-82-08, #5. Our first interim report was submitted on October 1, 1982. Enclosed is our second interim report. We expect to submit our next report on or about February 25, 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

8212150136 821209
PDR ADOCK 05000333
S PDR

OFFICIAL COPY
IE 27

ENCLOSURE

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
INADEQUATE QUALITY ASSURANCE PROGRAM FOR MASONRY BLOCK WORK
AUDIT WB-C-82-08, #5
WBRD-50-390/82-95, WBRD-50-391/82-91
10 CFR 50.55(e)
SECOND INTERIM REPORT

Description of Deficiency

An internal TVA audit on the Quality Assurance Program for masonry work at Watts Bar has identified some apparent deficiencies in that program in two general areas. The first area concerns work performed in the 1975 to 1977 time period for which there are incomplete masonry inspection records and mortar cube data sheets and for which there are mortar cube data sheets which show the use of mortar in walls of the control building that do not meet the minimum compressive strength requirements of 1800 psi. The second area concerns the lack of mortar compressive strength requirements for work being performed by TVA forces.

Interim Progress

TVA design personnel have reviewed the areas where mortar which did not meet the minimum compressive strength requirements of 1800 psi was used, and through analysis have determined that the mortar is acceptable as is.

Concerning the incomplete inspection records and mortar cube data sheets reviewed by the auditor, partial documentation was later found in the project concrete lab office at Watts Bar. From this additional material the affected masonry was shown to be acceptable. These incomplete records resulted from a failure to adequately review QA records. To prevent this from recurring, the Watts Bar site Civil Quality Control Unit has been retrained in the latest revision to WBN-QCI-1.08, "Quality Assurance Records" and a record review function has been established and assigned to the site Quality Control and Records Unit.

TVA is still investigating the section of the audit concerning mortar requirements for work done by TVA forces. After completion of this investigation, TVA will supply additional information.