



Tennessee Valley Authority, Post Office Box 2000, Spring City, Tennessee 37381

DEC 19 1994

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

WATTS BAR NUCLEAR PLANT (WBN) - REVISION TO NOTICE OF VIOLATION
390/93-79-02

The purpose of this letter is to provide a revision to "the corrective steps that have or will be taken and the results achieved," to Notice of Violation 390/93-79-02. As part of TVA's response dated April 25, 1994, TVA committed to correct the specific deficiency and effectively resolve the concern by raising the subject instrument racks located in the intake pumping station at Elevation 722. The enclosure provides a revision to TVA's corrective action for raising the subject racks, including justification.

If you should have any questions, contact P. L. Pace at (615)-365-1824.

Sincerely,

Dwight E. Nunn
Vice President
New Plant Completion
Watts Bar Nuclear Plant

Enclosure
cc: See page 2

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U.S. Nuclear Regulatory Commission

Page 2

DEC 19 1994

Enclosure

cc (Enclosure):

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ENCLOSURE

WATTS BAR NUCLEAR PLANT UNIT 1 REVISION TO TVA'S RESPONSE DATED APRIL 25, 1994 NRC VIOLATION 390/93-79-02

In the initial response to the violation, TVA committed to raise the instrument racks at the intake pumping station above likely water problems to prevent future corrosion to the racks. This commitment has been re-evaluated. Raising of the instrument racks would require a modification to the configuration, thereby changing the structural capacity and dynamic response of the structure. As a result, the following provides an acceptable alternative for re-establishing and preserving the structural integrity of the instrument racks.

REVISIONS

The first paragraph of page E2-2 of Enclosure 2, which discusses the design approach, should be replaced with the following:

Design Change Notice W-29163 has been issued to correct the specific discrepancy and effectively resolve this concern. The 16 panels located at elevation 722 in the intake pumping station have been evaluated by Engineering and those identified with unacceptable corrosion have been repaired. TVA has applied a joint sealant and a Belzona coating to protect the base of the panels from moisture.

JUSTIFICATION

The Belzona coating was used in lieu of raising the panels in order to avoid invalidating the existing test and analytical qualification of the panel. If the panels were raised to install grout, the height from the base would have decreased several inches; and the geometry of the connection to the base tube steel would have been revised, thereby changing the structural capacity and dynamic response of the structure.

The joint sealant applied at the edge of the structural tubing and the concrete floor will provide a moisture barrier against corrosion. In addition, the Belzona coating has been applied continuously across the interface of the concrete and the vertical face of the tube steel. The application of this coating was extended approximately 3 inches vertically up on the face of the tube steel base and other panel/floor attachments and horizontally out on the concrete floor. The Belzona will bond to the steel and concrete surface to provide a durable, noncorrosive effective moisture protection barrier. This corrective action provides a more efficient solution to water problems than raising the panels.