

USNRC
TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE

400 Chestnut Street Tower II

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July 08, 1982

WBRD-50-390/82-67
WBRD-50-391/82-64

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:

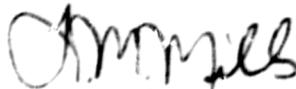
**WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - ATTACHMENT OF CONDUIT AND PIPING
SUPPORTS TO CABLE TRAY SUPPORTS - WBRD-50-390/82-67, WBRD-50-391/82-64 -
FIRST INTERIM REPORT**

The subject deficiency was initially reported to NRC-OIE Inspector
R. V. Crlenjak on June 7, 1982 in accordance with 10 CFR 50.55(e) as NCR
WBN SWP 8224. Enclosed is our first interim report. We expect to submit
our next report on or about November 24, 1982.

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, DC 20555

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ENCLOSURE

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
ATTACHMENT OF CONDUIT AND PIPING SUPPORTS TO CABLE TRAY SUPPORTS
NCR WBN SWP 8224
WBRD-50-390/82-67, WBRD-50-391/82-64
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

TVA has approved construction variances to various typical pipe and conduit support drawings that permit attachment of conduit and piping supports to cable tray supports. In addition, site personnel have attached certain conduit and piping to cable tray supports using notes on the typical support drawings. These attachments were for relatively small loads. When evaluating these attachments, TVA evaluated the cable tray supports for structural integrity only and not for seismic movement.

It was later determined that the cable tray supports were not designed to rigid requirements and that some of the supports, especially the cantilevered type, could have significant movement during a seismic event.

The apparent cause was that the designers were not aware of the significant movement of the cable tray supports and evaluated them for structural adequacy only.

Interim Progress

TVA will conduct a sampling program of typical attachments which have been made to cable tray supports to determine the extent of possible deficiencies.

In this program, the cable tray support movement will be evaluated against the flexibility of the supported piping or conduit. Any conduit or piping that is found unacceptable will be made to conform to allowable movements within allowable stresses.