

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

December 14, 1982

WBRD-50-390/82-39, -391/82-36
BLRD-50-438/82-67, -439/82-60
YCRD-50-566/82-18, -567/82-18
HTRD-50-518/82-18, -520/82-18

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 AND BELLEFONTE NUCLEAR PLANTS UNITS 1 AND 2 - POTENTIALLY
OVERSTRESSED EMBEDDED PLATES - FOURTH INTERIM REPORT

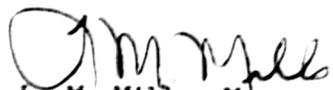
The subject deficiency was initially reported to NRC-OIE Inspector
R. V. Crlenjak on April 12, 1982 in accordance with 10 CFR 50.55(e)
as NCR WBN CEB 8203. Interim reports were submitted on May 18,
July 13, and October 14, 1982.

This deficiency was subsequently expanded to cover Bellefonte, Yellow Creek
and Hartsville Nuclear Plants as NCR GEN CEB 8208. TVA has elected to
defer construction activities on Yellow Creek and Hartsville. Deferral
does not mean that the project will be cancelled but that TVA is minimizing
its expenditures and construction efforts until such time that TVA has
sufficient information to indicate whether the project should be completed
or cancelled. Therefore, we will not be submitting further information on
Yellow Creek or Hartsville until a final decision is made regarding these
projects. Enclosed is our fourth interim report on Watts Bar and
Bellefonte. We expect to submit our next report by April 4, 1983.

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

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ENCLOSURE

**WATTS BAR AND BELLEFONTE NUCLEAR PLANTS UNITS 1 AND 2
POTENTIALLY OVERSTRESSED EMBEDDED PLATES**

NCR'S WBN CEB 8203 AND GEN CEB 8208

**WBRD-50-390/82-39, WBRD-50-391/82-36, BLRD-50-438/82-67, BLRD-50-439/82-60
10 CFR 50.55(e)**

FOURTH INTERIM REPORT

Description of Deficiency

After reviewing Watts Bar nonconformance report 3842R, which is being separately reported and concerns positioning of expansion anchors near embedded plates with attachments, TVA recognized that one aspect of this nonconformance report should be reported separately. This separate concern is that multiple supports have been attached to embedded plates throughout the plant without a design review of the embedded plates' capacity. The apparent cause of this potential deficiency is the lack of control procedures and documentation requirements concerning the loading limits of embedded plates.

Interim Progress

To control the location of attachments on embedded plates at Watts Bar, a preliminary construction specification has been issued as a temporary measure. A final construction specification is expected to be issued within three months to prevent a recurrence of this problem.

After the preliminary construction specification is fully implemented at the site, the previously analyzed sample of embedded plates will be updated to verify the acceptability of the support installations done between March 1982, the date for the initial survey, and the date the preliminary specification went into effect. TVA is in the process of looking at the alternatives of controlling attachments to embedded plates at Bellefonte.