

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

March 31, 1982

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WBRD-50-390/82-05, -391/82-05
BLRD-50-438/82-02, -439/82-02
HTRD-50-518/82-01, -519/82-01
-520/82-01, -521/82-01
PBRD-50-553/82-01, -554/82-01
YCRD-50-566/82-01, -567/82-01

U.S. Nuclear Regulatory Commission
Region II
ATTN: James P. O'Reilly, Regional Administrator
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303



Dear Mr. O'Reilly:

WATTS BAR, BELLEFONTE, HARTSVILLE, PHIPPS BEND, AND YELLOW CREEK
NUCLEAR PLANTS - REPORTABLE DEFICIENCY - GENERIC DEFICIENCY IN
DESIGN REVIEW - WBRD-50-390/82-05, -391/82-05 - BLRD-50-438/82-02,
-439/82-02 - HTRD-50-518/82-01, -519/82-01, -520/82-01, -521/82-01 -
PBRD-50-553/82-01, -554/82-01 - YCRD-50-566/82-01, -567/82-01

The subject deficiency was initially reported to NRC-OIE, Region II,
Inspector Ross Butcher on December 15, 1981 as NCR M81-13,
Deficiency No. 5. The first interim report was submitted on
January 19, 1982. In accordance with paragraph 50.55(e) of 10 CFR
Part 50, we are enclosing our second interim report on the subject
deficiency. We anticipate transmitting the next report on or before
December 17, 1982.

If you have any questions, please get in touch with Jim Domer at FTS
858-2725.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

J. M. Mills
J. M. Mills, Manager
Nuclear Regulation and Safety

Enclosure

cc: Mr. R. C. DeYoung, Director (Enclosure)
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

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PBRD-50-553/82-01, -554/82-01
YCRD-50-566/82-01, -567/82-01

ENCLOSURE
WATTS BAR, BELLEFONTE, HARTSVILLE, PHIPPS BEND, AND
YELLOW CREEK NUCLEAR PLANTS
GENERIC DEFICIENCY IN DESIGN REVIEW
10CFR50.55(e) REPORT NO. 2 (INTERIM)
AUDIT M81-13, DEFICIENCY 5

Description of Deficiency

This deficiency is concerned with apparent failures of the design review process to verify the accuracy and adequacy of design documents. Evidence of this deficiency is illustrated by the large number of NCRs which were issued. For example, BLNBLP8119, BLNBLP8122, BLNBLP8118, BLNBLP8124, and WBNSWP8159 all involved inadequacies in issued design criteria or violations of issued design criteria by issued drawings, etc. BLNBLP8121, BLNBLP8123, WBNCB8115, WBNSWP8157, and WBNSWP8155 involved inadequate design. BLNBLP8120, WBNCB8116, WBNMEB8005, and WBNSWP8156 involved various inaccuracies in drawings or in analysis of the design. Each of these errors was discovered after the final design review was completed and procedures, drawings, etc., were issued. (This deficiency concerns only the design review process and does not concern the nonconformance program.)

Interim Progress

This deficiency will be reviewed by a management review team as part of the EN DES 1982 Action Plan for Quality Improvement. The current schedule for completion of this review is October 1982.

EN DES QA Training Course 321, "Design Review," was provided to 32 selected EN DES employees on January 21 and again on February 23, 1982, to 29 employees. This training will be scheduled for all EN DES employees involved in design review activities as requested by their respective branch/project management.