

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

NRC REG II
ATLANTA, GEORGIA

30 FEB 11 AM 11

February 7, 1980

Mr. James P. O'Reilly, Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Region II - Suite 3100
101 Marietta Street
Atlanta, Georgia 30303

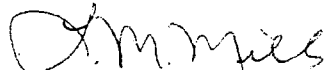
Dear Mr. O'Reilly:

Enclosed is our response to J. C. Bryant's January 16, 1980, letter, RII:RWW 50-553/79-18, and 50-554/79-17, regarding activities at the Phipps Bend Nuclear Plant which appeared to have been in violation of NRC regulations.

We have reviewed the subject inspection report and find no proprietary information in the report. If you have any questions regarding this matter, please call Jim Domer at FTS 854-2014.

Very truly yours,

TENNESSEE VALLEY AUTHORITY



L. M. Mills, Manager
Nuclear Regulation and Safety

Enclosure

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

ENCLOSURE

FINAL RESPONSE TO NRC LETTER
FROM J. C. BRYANT TO H. G. PARRIS
DATED JANUARY 16, 1980
(REFERENCE RII:RWW 50-553/79-18, 50-554/79-17)

This report responds to the following Notice of Violation described in Appendix A of IE Inspection Report RII:RWW 50-553/79-18, 50-554/79-17. This is the final report on this deficiency.

Noncompliance Item - Deficiency 554/79-17-06

As required by Criterion V of Appendix B to 10 CFR 50, implemented by the PSAR Section 17.1A.5, "Activities affecting quality shall be prescribed by documented instructions, procedures, or drawings. . . and shall be accomplished in accordance with these instructions, procedures, or drawings." Procedure QCI-C-401 specifies that each cadweld splice shall be visually inspected for allowable voids in filler metal and if unacceptable, identified and tagged in accordance with procedure CEP-15.01.

Contrary to the above, on December 13, 1979, cadweld splice AB-18-VB-0029 which had passed QC acceptance was found to have an accumulative void area of 3.66 square inches which exceeded the allowable 3.9 square inches as specified by Procedure QCI-C-401.

This is a deficiency.

Response

Corrective Steps Taken and Results Achieved

On December 13, 1979, a Quality Control Investigation Report (QCIR) No. 20085, was written concerning excessive voids on subject cadweld. This QCIR was dispositioned by requiring that the cadweld be repaired by use of the piggyback method in accordance with manufacturer's instructions. This piggyback cadweld was inspected on January 9, 1980, and found acceptable by QCI C-104 and assigned identifier JJ-18-VB-0158. This QCIR was completed on January 9, 1980.

Furthermore, all cadwelds in the shop area were reinspected to ensure that no other cadwelds were in noncompliance. Approximately 500 cadwelds were inspected and all were found to be within the void limits of QCI C-401. These splices are located in the reactor and fuel buildings as part of fuel rack assembly base plates, weirwall base plates, and drywell base plates.

Corrective Steps Taken to Avoid Further Noncompliance

The subject void limit was exceeded because the accumulative area was improperly calculated. On December 14, 1979, instructions were given to all cadweld inspectors to conform to all inspection requirements of applicable Quality Control Instructions, Construction Engineering Procedures, and manufacturer's recommendations. Cadweld inspectors were instructed to pay particular attention to void limits and methods for calculating voids.

Date When Full Compliance Was Achieved

Full compliance was achieved on January 9, 1980.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
101 MARIETTA ST., N.W., SUITE 3100
ATLANTA, GEORGIA 30303

JAN 16 1980

In Reply Refer To:
RII:RWW
50-553/79-18
50-554/79-17

Tennessee Valley Authority
ATTN: H. G. Parris
Manager of Power
500A Chestnut Street Tower II
Chattanooga, TN 37401

Gentlemen:

This refers to the inspection conducted by R. W. Wright of this office on December 11-14, 1979, of activities authorized by NRC Construction Permit Nos. CPPR-162 and CPPR-163 for the Phipps Bend facility, and to the discussion of our findings held with W. P. Kelleghan at the conclusion of the inspection.

Areas examined during the inspection and our findings are discussed in the enclosed inspection report. Within these areas, the inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector.

We have examined actions you have taken with regard to previously identified enforcement matters. These are discussed in the enclosed inspection report.

During the inspection, it was found that certain activities under your license appear to be in noncompliance with NRC requirements. This item and references to pertinent requirements are listed in the Notice of Violation enclosed herewith as Appendix A. This notice is sent to you pursuant to the provisions of Section 2.201 of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations. Section 2.201 requires you to submit to this office, within 20 days of your receipt of this notice, a written statement or explanation in reply including: (1) corrective steps which have been taken by you and the results achieved; (2) corrective steps which will be taken to avoid further noncompliance; and (3) the date when full compliance will be achieved.

In accordance with Section 2.790 of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, a copy of this letter and the enclosed inspection report will be placed in the NRC's Public Document Room. If this report contains any information that you (or your contractor) believe to be proprietary, it is necessary that you make a written application within 20 days to this office to withhold such information from public disclosure. Any such application must include a full statement of the reasons on the basis of which it is claimed that the information is proprietary, and should be prepared so that proprietary information identified in the application is contained in a separate part of the document. If we do not hear from you in this regard within the specified period, the report will be placed in the Public Document Room.

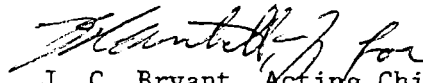
JAN 16 1980

Tennessee Valley Authority

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Should you have any questions concerning this letter, we will be glad to discuss them with you.

Sincerely,



J. C. Bryant, Acting Chief
Reactor Construction and Engineering
Support Branch

Enclosures:

1. Appendix A, Notice of Violation
2. Inspection Report Nos. 50-553/79-18
and 50-554/79-17

cc w/encl:

W. P. Kelleghan, Project Manager
P. O. Box 2000
Surgoinsville, TN 35752

J. F. Cox
400 Commerce Street
W10C131 C-K
Knoxville, TN 37902

J. E. Wills, Project Engineer
400 Chestnut Street Tower II
Chattanooga, TN 37401

E. G. Beasley
Tennessee Valley Authority
309 Grant's Building
Knoxville, Tennessee 37902

APPENDIX A

NOTICE OF VIOLATION

Tennessee Valley Authority
Phipps Bend

License No. CPPR-163

Based on the NRC inspection December 11-14, 1979, certain of your activities were apparently not conducted in full compliance with NRC requirements as indicated below. These items have been categorized as described in correspondence to you dated December 31, 1974.

As required by Criterion V of Appendix B to 10 CFR 50, implemented by the PSAR Section 17.1A.5, "Activities affecting quality shall be prescribed by documented instructions, procedures or drawings ... and shall be accomplished in accordance with these instructions, procedures, or drawings." Procedure QCI-C-401 specifies that each cadweld splice shall be visually inspected for allowable voids in filler metal and if unacceptable, identified and tagged in accordance with procedure CEP-15.01.

Contrary to the above, on December 13, 1979, cadweld splice AB-18-VB-0029 which had passed QC acceptance was found to have an accumulative void area of 3.66 square inches which exceeded the allowable 3.0 square inches as specified by Procedure QCI-C-401.

This is a deficiency.