

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

March 24, 1980

Mr. James P. O'Reilly, Director  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Region II - Suite 1100  
101 Marietta Street  
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

YELLOW CREEK NUCLEAR PLANT UNITS 1 AND 2 - NRC REGION II LETTER  
RII:WPK 50-566/80-03 AND 50-567/80-03 - RESPONSE TO INFRACTION

The subject letter dated February 28, 1980, cited TVA with one  
infraction. Enclosed is our response.

If you have any questions concerning this matter, please get in touch  
with D. L. Lambert at FTS 854-2581.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills, Manager  
Nuclear Regulation and Safety

Enclosure

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

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## ENCLOSURE

### YELLOW CREEK NUCLEAR PLANT UNITS 1 AND 2 RESPONSE TO NRC INFRACTION 50-566/80-03-01 AND 50-567/80-03-01

#### Infraction

As required by 10 CFR 50 Appendix B, Criterion IX and as implemented by Tennessee Valley Authority (TVA) Topical Report TVA-TR-75-A1, Section 17.1A.9, "Measures shall be established to assure that special processes, including---nondestructive testing are controlled and accomplished---in accordance with applicable codes---." ASME Code Section II paragraph X3334.4 requires that penetrameters be placed adjacent to the weld seam; in addition paragraph NE-5211 requires full radiography for longitudinal butt welded containment joints.

Contrary to the above, on February 7, 1980, seven radiographs of containment structural butt welds exhibited penetrameters and shims extending into the weld obscuring part of the area of interest.

#### Corrective Actions Taken and Results Achieved

All radiographs made before February 22, 1980, (6,849) have been reexamined for similar deficiencies, and an additional 102 were found and nonconformed.

All radiographs with unacceptable shim placement will be reshot; however, two of the cited radiographs (seam A1 increments 1 to 2 and seam A2 increments 20 to 21) were reevaluated and found to be acceptable.

#### Steps Taken to Avoid Further Recurrence

In order to prevent a recurrence, the film interpreters and radiographers have been instructed in the requirements of shim placement.

#### Date of Full Compliance

Full compliance will be achieved on August 29, 1980.