

TENNESSEE VALLEY AUTHORITY REGION II
CHATTANOOGA, TENNESSEE 37404 ATLANTA, GEORGIA
400 Chestnut Street Tower II

December 29, 1981 81 DEC 31 A 8: 30

YCRD-50-566/81-06
YCRD-50-567/81-04

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:

YELLOW CREEK NUCLEAR PLANT UNITS 1 AND 2 - DEFICIENT WELDS ON COMPONENT COOLING WATER HEAT EXCHANGERS - YCRD-50-566/81-06, YCRD-50-567/81-04 - FIRST SUPPLEMENTAL REPORT

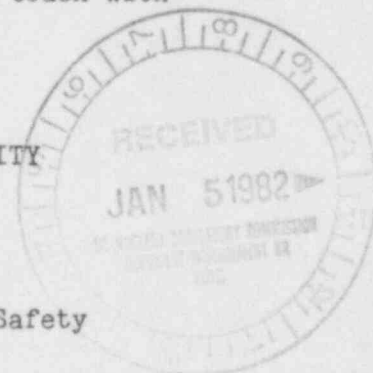
The subject deficiency was initially reported to NRC-OIE Inspector J. Crlenjak on March 6, 1981, in accordance with 10 CFR 50.55(e) as NCR YC-160. This was followed by our first interim report dated April 7, 1981, our final report dated October 6, 1981, and our revised final report dated November 4, 1981. Enclosed is our first supplemental report. As discussed with R. V. Crlenjak by telephone on December 21, 1981, the reason for this report is that there is new evidence that further corrective actions may be necessary. We consider 10 CFR Part 21 to be applicable to this deficiency.

If you have any questions concerning this matter, please get in touch with R. H. Shell at FTS 858-2688.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

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



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
YELLOW CREEK NUCLEAR PLANT UNITS 1 AND 2
DEFICIENT WELDS ON COMPONENT COOLING WATER HEAT EXCHANGERS
YCRD-50-566/81-06, YCRD-50-567/81-04
10 CFR 50.55(e)
FIRST SUPPLEMENTAL REPORT

Description of Deficiency

During an NRC inspection of the component cooling water heat exchangers at the Yellow Creek Nuclear Plant, it was reported that various welding deficiencies existed on the welds and base metal for the 24" stainless steel nozzles and manhole to exchanger welds. The various deficiencies noted were arc strikes, weld splatter, slag, overlap, lack of fusion, undercut, and excessive weld metal. The component cooling water heat exchangers were manufactured by the Joseph Oat Corporation, Camden, New Jersey, and purchased by TVA from Combustion Engineering, Windsor, Connecticut.

Interim Progress

On March 19, 1981, a field inspection was conducted of the component cooling water heat exchangers. The areas reported as having deficient welds were inspected by members of TVA, the Authorized Nuclear Inspector, and the representatives of the Combustion Engineering Company and the Joseph Oat Company.

As reported in TVA's revised final report, grinding of the subject welds has taken place. However, the defects can no longer be said to be superficial. Because there is now evidence that extensive repairs may be necessary, TVA considers it appropriate to keep NRC abreast of all evaluations/corrective actions related to this deficiency.