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50-438(439)

REC: O'REILLY J P
NRC

ORG: GILLELAND J E
TN VALLEY AUTH

DOC DATE: 01/16/78
DATE RCVD: 01/25/78

DOCTYPE: LETTER NOTARIZED: NO

COPIES RECEIVED
LTR 1 ENCL 0

SUBJECT:
FORWARDING FINAL WRITTEN DEFICIENCY REPT NCR 710 CONCERNING FACTORY
RADIOGRAPHS NOT MEETING APPLICABLE CODES.

PLANT NAME: BELLEFONTE - UNIT 1
BELLEFONTE - UNIT 2

REVIEWER INITIAL: XJM
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CONSTRUCTION DEFICIENCY REPORT (10CFR50.55(E)).
(DISTRIBUTION CODE B004)

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DISTRIBUTION: LTR 39 ENCL 0
SIZE: 1P+1P

CONTROL NBR: 780260178

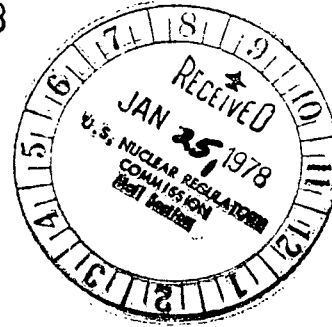
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TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE 37401
830 Power Building

50-438
439

JAN 16 1978



Mr. James P. O'Reilly, Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Region II - Suite 1217
230 Peachtree Street, NW.
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - FACTORY RADIOGRAPHS NOT MEETING
APPLICABLE CODES - NCR 710

On December 16, 1977, L. E. Foster, NRC-OIE Principal Inspector, was informed that the subject nonconformance was determined to be reportable in accordance with 10 CFR 50.55(e). Enclosed is the final written report concerning this deficiency.

Very truly yours,

J. E. Gilleland
Assistant Manager of Power

Enclosure

cc: Dr. Ernst Volgenau, Director (Enclosure) ✓
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

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ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
FINAL DESIGN REPORT NCR 710
FACTORY RADIOGRAPHS NOT MEETING APPLICABLE CODES

Description of Condition

Radiographs on the reactor building spray pump casings for both units 1 and 2 did not meet applicable codes. Four spray pumps (TVA mark Nos. 1-NS-MPMP-001-A, 1-NS-MPMP-002-B, 2-NS-MPMP-001-A, and 2-NS-MPMP-002-B; and Babcock & Wilcox (B&W) mark Nos. 1RBS-P1A, 1RBS-P1B, 2RBS-P1A, and 2RBS-P1B) were involved.

B&W informed TVA of this deficiency with their letter dated November 30, 1977, from T. J. Richardson, B&W Construction Company, to W. W. Aydelott, Project Manager, Bellefonte Nuclear Plant. The radiographs were made with the incorrect penetrometer located on the source side of the casing.

Safety Implication Statement

The new conforming radiographs revealed that no adverse or nonconforming conditions existed in any of the pump casings. Therefore, had the nonconformance gone uncorrected, it would not have adversely affected the safe operation of the plant.

Corrective Action

The pump casings were disassembled under B&W's supervision and new radiographs made. These were made by TVA inspection personnel. Radiographs were made for all pump casings. The new conforming radiographs demonstrated that the pump casings were acceptable and we consider this deficiency corrected. No further reports are expected concerning this nonconformance.