

TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

November 18, 1981 8:30 AM

BLRD-50-438/81-66
BLRD-50-439/81-65

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:

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - ENVIRONMENTAL QUALIFICATION OF
SAFETY-RELATED ELECTRICAL COMPONENTS - BLRD-50-438/81-66,
BLRD-50-439/81-65 - FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
R. V. Crlenjak on October 21, 1981 in accordance with 10 CFR 50.55(e) as
NCR's BLN NEB 8113 through BLN NEB 8118. Enclosed is our first interim
report. We expect to submit our next report by April 20, 1982.

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

Mr. James McFarland (Enclosure)
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ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
ENVIRONMENTAL QUALIFICATION OF SAFETY-RELATED ELECTRICAL COMPONENTS
BLRD-50-438/81-66, BLRD-50-439/81-65
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

During the review of TVA's program to comply with NUREG-0588, it was determined that insufficient documentation exists in TVA's files to show complete environmental qualification of certain instrumentation. The instrumentation includes level transmitters in the annulus area between primary and secondary containment, and pressure transmitters, flow transmitters, and resistance temperature detectors (RTD's) in the primary containment. Because sufficient documentation is not available to prove that the instrumentation is environmentally qualified, there is no assurance that the instrumentation will perform its intended function under all the service conditions to which it may be subjected.

Interim Progress

TVA is working both internally through the NUREG-0588 task force and with B&W to resolve these deficiencies. Copies of the NCR's have been transmitted to B&W for their review and information.