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 RECIP. NAME RECIPIENT AFFILIATION
 O'REILLY, J.P. Region 2, Atlanta, Office of the Director

SUBJECT: Final deficiency rept re purchase requests issued w/o
 IEEE qualifications specified, initially reported on 771125.
 All deficient requests revised to include proper
 qualifications. Review procedures revised.

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 TITLE: Construction Deficiency Report (10CFR50.55E)

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400 Chestnut Street Tower II

April 22, 1981

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 - PURCHASE REQUESTS ISSUED WITHOUT
IEEE QUALIFICATIONS SPECIFIED - NCR BNP-7 - FINAL REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
L. E. Foster on November 25, 1977, in accordance with 10 CFR 50.55(e).
This was followed by our interim reports dated December 15, 1977, June 30
and October 18, 1978, March 8, 1979, and January 15, 1981. Enclosed is our
final report.

If you have any questions concerning this matter, please get in touch with
D. L. Lambert at FTS 857-2581.

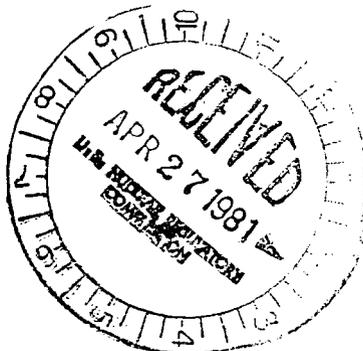
Very truly yours,

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

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
PURCHASE REQUESTS ISSUED WITHOUT IEEE QUALIFICATIONS SPECIFIED
NCR BNP-7
10 CFR 50.55(e)
FINAL REPORT

Description of Deficiency

During the development and review of certain Bellefonte Nuclear Plant Final Safety Analysis Report sections and design criteria, it was discovered that Class IE qualifications were inadvertently left off the procurement documents of a portion of TVA-procured equipment. The deficiency specifically affected the prime movers on certain process flow and HVAC equipment. Similar problems have not been identified for B&W-procured equipment.

Safety Implications

Class IE qualification requirements were inadvertently omitted from the procurement documents of some safety-related equipment. As a result of this deficiency, Class IE equipment may have been procured without proper requirements being imposed. This condition could have potentially jeopardized safe operation of the plant had it remained uncorrected.

Corrective Action

The procurement documents for all process flow elements and HVAC equipment have been reviewed and all deficient requests have been revised to include the proper IEEE qualifications.

Since Class IE IEEE qualification was not specifically required on all safety-related HVAC equipment at the time of procurement, most equipment is qualified to industry standards. However, in some particular instances, equipment was procured to exceed these standards. These additional requirements were applied largely to HVAC equipment inside containment.

TVA's engineering procedures (EN DES Procedure 5.0 series) have been revised to clarify the method for review for IEEE requirements in procurement specifications and documentation.

As a result of guidance issued by NRC on qualification requirements for electrical equipment (NUREG-0588), TVA's review of data which documents the qualification of all equipment will be covered in the Bellefonte submittal on NUREG-0588. At that time, all equipment not qualified will be nonconformed and tracked as a separate item.