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SUBJECT: Final Const QA Audit Deficiency Rept BN-M-80-05 re failure to document required insps. Caused by reassignment of responsible personnel w/o provision for replacement. Responsibility assigned to individual group leaders.

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

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TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

July 31, 1980

Mr. James P. O'Reilly, Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Region II - Suite 3180
101 Marietta Street
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - CONSTRUCTION QA AUDIT DEFICIENCY
BN-M-80-05 - FINAL REPORT

On June 4, 1980, R. W. Wright, NRC-OIE Region II, was informed that the subject nonconformance was determined to be reportable in accordance with 10 CFR 50.55(e). This was followed by our first interim report dated June 30, 1980. 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 CONSTRUCTION QA AUDIT DEFICIENCY - BN-M-80-05 FINAL REPORT

Description of Deficiency

The mechanical engineering unit (MEU) has established a quality control program for the periodic preventive maintenance inspections of all permanent mechanical equipment. However, from July 1979 to the present, the MEU has not implemented the established inspection and maintenance program for mechanical equipment which has been or is presently in warehouse storage by failing to document required inspections.

Safety Implications

Periodic inspections are required for equipment in storage to detect corrosion and/or deterioration of components. Should these defects go undetected and the component be installed without corrective action, plant safety could be adversely affected.

Corrective Action

The equipment cited in the QA audit was investigated on QCIR 4146.

All mechanical equipment was reviewed to determine any additional preventive maintenance discrepancies. The results of this review and the corrective actions taken is being documented on QCIR's. Completion of necessary corrective actions will be September 2, 1980.

The cause of the cited conditions was because of a failure to document inspections as required by BNP-QCP-1.2. Although most equipment was receiving some inspections during this period and some documented evidence of these inspections is available, the required BNP-QCP documentation was not completed.

Before July 1979, equipment stored in the warehouse was being inspected by one individual. After this date, because of personnel turnover and increasing activities in other areas, this individual was reassigned to other duties. The reassignment left the inspection program without proper attention. The inspection program had no provisions except for individual review to indicate inspections were being missed.

Requirements for preventive maintenance for all material in each system, regardless of location, has been reassigned to the individual group leaders and the system engineers. They are required, in addition to performing the inspections, to review the list of materials requiring inspection to insure all items have been inspected and documentation is complete.

To aid in this inspection process, a computer program is being formulated which will list equipment requiring inspection and the due date of these inspections. This program will be updated to show the completed inspections and will provide a list of any required inspections which have not been completed. The program will be maintained by a group not involved in completing the required inspections and will provide management with timely indication of any deviations from the requirements of BNP-QCP-1.2. This program will be available for use by November 28, 1980.