

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

September 14, 1981

PBRD-50-553/81-22, -554/81-15

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:

PHIPPS BEND NUCLEAR PLANT - REPORTABLE DEFICIENCY - OMITTED REBAR FROM
RADWASTE BUILDING CONCRETE POUR - PBRD-50-553/81-22, -554/81-16

Initial notification of the subject deficiency was made to NRC-OIE,
Region II, Inspector P. A. Taylor on August 14, 1981 as NCR PBNP-269. In
compliance with paragraph 50.55(e) of 10 CFR Part 50, we are enclosing
the final report on the subject deficiency. If you have any questions
regarding this subject, please call Jim Damer at FTS 857-2014.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills
L. M. Mills, Manager

Nuclear Regulation and Safety

Enclosure

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

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ENCLOSURE
PHIPPS BEND NUCLEAR PLANT
OMITTED REBAR FROM RADWASTE BUILDING CONCRETE POUR
PBRD-50-553/81-22, -554/81-16
10CFR50.55(e) REPORT NO. 1 (FINAL)

Description of Deficiency

This deficiency concerns ten 11X11AW 23 1/2 (each face) reinforcing bars being omitted from a concrete pour in the radwaste building wall 3 at approximately 12' west of the wall 3 line at elevation (-)6' -10". The probable cause of this deficiency was failure by the appropriate personnel involved to correctly interpret the affected design drawings. A similar deficiency, NCR PBNP-197, identified reinforcing bars that were omitted from concrete pours in the shield wall of unit 1.

Safety Implication

If this particular condition remained uncorrected, the omitted rebar in the radwaste building (nonsafety-related structure) would not have adversely affected the safe operations of the plant. However, this deficiency appeared to have been a significant recurring condition and was reported on that basis.

Corrective Actions

A review of omitted reinforcing bars over the past four months by Quality Control-Civil and Quality Control-Materials personnel does not indicate that a trend adverse to safety is developing.

To prevent the future omission of reinforcing bar a commentary to Quality Control Instruction (QCI) C-207, "Reinforcing Steel Inspection," has been issued which is to provide a uniform interpretation to personnel involved in the installation/erection and quality control of reinforcing steel.

Construction of the Phipps Bend Nuclear Plant has been deferred. Although omission of the reinforcing bars presents no adverse safety impact, they still, however, will be added after construction has resumed. This aspect of the NCR will not be closed internally to TVA until the reinforcing bars are added to the concrete pour in the radwaste building.