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ACTION:

PRELIMINARY EVALUATION OF THE ATTACHED REPORT INDICATES LEAD RESPONSIBILITY FOR FOLLOWUP AS SHOWN BELOW:

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PDR

LPDR

TERA

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

81-396-000

400 Chestnut Street Tower II

March 30, 1981

PERD-50-553/81-09

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 UNIT 1 - REPORTABLE DEFICIENCY - OMITTED REBAR
FROM SHIELD WALL - PERD-50-553/81-09

The subject deficiency was initially reported to NRC-OIE, Region II, Inspector Pete Taylor on February 27, 1981, as NCR PENP-197. In compliance with paragraph 50.55(e) of 10 CFR Part 50, we are enclosing the first interim report on the subject deficiency. We consider 10 CFR Part 21 applicable to this nonconformance. TVA anticipates transmitting the final report on or before June 1, 1981. If you have any questions, please call Jim Domer at FTS 857-2014.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

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

ENCLOSURE
PHIPPS BEND NUCLEAR PLANT UNIT 1
OMITTED REBAR FROM UNIT 1 SHIELD WALL
PBRD-50-553/81-09
REPORT NO. 1 (INTERIM)

Description of Deficiency

Reinforcing bars shown on C. F. Braun drawings Y-010 and Y-013 between Azimuth 105° and 135° were omitted from the reactor shield building. The design drawings were not consistent between elevations. Design drawing Y-010 shows rebars terminating at an elevation 5'-2", and design drawing Y-013 shows rebars cadwelded at an elevation of 15'-2". The apparent cause of this deficiency was a drawing discrepancy between design drawings. TVA inspectors, however, did not identify the discrepancy and the rebar was placed and inspected in accordance with drawing Y-010.

Corrective Actions

TVA will drill holes in the reactor shield wall and grout in 16'-9"-long splice bars (44 #11AW), 6'-9" below elevation 5'-2". A rebar verification group has been instituted to work directly with the construction trade forces during rebar installation. This group is structured within the project engineering/civil unit and has the function to guide construction personnel and correct discrepancies before they become a problem of complex nature or have reached a stage of nonconformance. Verification before final inspection should eliminate errors caused within the rebar structure. TVA has notified GE/C. F. Braun of this nonconforming condition and has requested they provide steps to be taken to prevent recurrence of similar drawing errors.