

WATTS BAR NUCLEAR PLANT
RESPONSE TO NSRS INVESTIGATION REPORT NUMBER I-85-525-WBN
EMPLOYEE CONCERNS NS-85-004-001 AND PH-85-022-001
INCORRECT HOLE SIZES IN OFFICE PLATES

Recommendations

I-85-525-WBN-01 - Correction of Design Calculations and FSAR Tables

The identified error in the design calculation (B43 850814 914) must be corrected in conjunction with an associated correction of FSAR Table 7.5-1.

Response

The error had already been discovered as a part of INPO finding DC.5-3. The error is being corrected in conjunction with the corrective action for the INPO finding (all instrument loop accuracies are being revised). The scheduled date for completion of the INPO corrective action, which will correct the error identified above, is June 15, 1986.

I-85-525-WBN-02 - Verification of Meriam Plate Accuracy

A detailed review of the Meriam calculations, supporting the orifice plates associated with the PAM system, should be performed and documented evidence should be provided to ensure the plate accuracy satisfies the assumptions to implement the FSAR commitments.

Response

A calculation has been performed (B26 860110 119) to review Meriam calculations for orifice plate accuracies and ensure the plate accuracy satisfies the FSAR Table 7.5-1 commitments. Our calculation shows that the greatest error caused by not using the "Precise Equation" for determining the orifice plate bore diameter is 0.13 percent. Since 2 percent is the allowance used in our instrument loop accuracy calculations for an orifice plate, we concluded that the error was insignificant.

I-85-525-WBN-03 - Corrective Action for INPO Finding DC.5-3

The completion of all actions for this INPO finding is necessary, for resolution of this recommendation. NSRS should be notified of the completion date for these activities.

Response

The design standard (DS-E18.3.6 RO) to direct and control instrument setpoint development and criteria for field personnel to use during initial instrument setup and recalibration activities will be completed by June 15, 1986.

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Memorandum

TENNESSEE VALLEY AUTHORITY

TO : K. W. Whitt, Director of Nuclear Safety Review Staff, E3A8 C-K
FROM : W. T. Cottle, Site Director, Watts Bar Nuclear Plant NUC PR
DATE : JAN 30 1986
SUBJECT: WATTS BAR NUCLEAR PLANT - NUCLEAR SAFETY REVIEW STAFF (NSRS)
INVESTIGATION REPORT NUMBER I-85-525-WBN - EMPLOYEE CONCERN NUMBERS
NS-85-004-001 AND PH-85-022-001

Attached is the response to the recommendations contained in the subject report. Please note that the Institute of Nuclear Power Operations (INPO) item referenced in the report is correctly identified as item number DC.5-3 (not DC.5-4).

If you have any questions, please contact W. L. Byrd at 3774, Watts Bar Nuclear Plant NUC PR.


W. T. Cottle

WLB:SRS:NC

Attachment

cc (Attachment):

J. C. Standifer, Watts Bar Engineering Project, P-104 SB-K

This memorandum was principally prepared by S. R. Stout.

