

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37402

400 Chestnut Street Tower II

81-023-03L

81-023-03L

June 3, 1981

BLRD-50-438/81-22

BLRD-50-439/81-24

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 - USE OF UNAPPROVED MASONRY BITS -
BLRD-50-438/81-22, BLRD-50-439/81-24 - SECOND INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector J. Crlenjak on March 6, 1981, in accordance with 10 CFR 50.55(e) as NCR 1396. An interim report was submitted on April 6, 1981. Enclosed is our second interim report. We expect to submit our next report by October 20, 1981.

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
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
USE OF UNAPPROVED MASONRY BITS
BLRD-50-438/81-22, BLRD-50-439/81-24
10 CFR 50.55(e)
SECOND INTERIM REPORT

Description of Deficiency

Attachment D of Quality Control Procedure BNP-QCP-2.8 specifies sizes of masonry drill bits to be used when installing wedge bolts. In order to ensure that these sizes are not exceeded, all carbide-tipped masonry drill bits should be ordered as engineering-controlled material, which requires the bits to be checked for maximum size. However, at least three orders have been received as construction material and not engineering-controlled material. Therefore, there is a possibility that wedge bolt anchors have been installed using masonry drill bits which exceed the maximum size specified.

Interim Progress

TVA has instructed all crafts to check their stock of masonry bits, and all bits which did not have a unique stamp on the shank (signifying their acceptance for installing wedge bolt anchors) were returned to the Quality Control Records Unit (QCRU) trailer. TVA has instructed all employees who order construction materials that all masonry drill bits must be ordered as engineering-controlled material. TVA plans to incorporate this provision into the appropriate QCP's.

Based upon the number of bits returned, the number ordered, and the number oversized, additional investigation is needed before disposition of this nonconformance.

At the present to further ensure that proper drill bits are used, a prework inspection hold point is used. This requires that an engineer measure any bit before its use.