

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

June 29, 1982

BLRD-50-438/81-64
BLRD-50-439/81-62

U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - BOLTS AND NUTS FAIL TO MEET ASTM SPECIFICATIONS - BLRD-50-438/81-64, BLRD-50-439/81-62 - FOURTH INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector R. V. Crlenjak on September 24, 1981 in accordance with 10 CFR 50.55(e) as NCR's 1597 and 1598. This was followed by our interim reports dated October 22 and December 8, 1981 and February 19, 1982. Enclosed is our fourth interim report. We expect to submit our next report by September 28, 1982. We consider 10 CFR Part 21 applicable to this deficiency.

If you have any questions concerning this matter, please get in touch with R. H. Shell at FTS 858-2688.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills

L. M. Mills, Manager
Nuclear Licensing

Enclosure

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

IE27

8207090164 820629
PDR ADOCK 05000438
S PDR

ENCLOSURE
BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
BOLTS AND NUTS FAIL TO MEET ASTM SPECIFICATIONS
NCR'S 1597 AND 1598
BLRD-50-438/81-64, BLRD-50-439/81-62
10 CFR 50.55(e)
FOURTH INTERIM REPORT

Description of Deficiency

10,000, 3/4" stainless steel nuts (furnished by Chattanooga Bolt and Screw, Chattanooga, Tennessee) and 10,600, 3/4" x 3-1/2" stainless steel bolts (furnished by Challenge Enterprises, Chattanooga, Tennessee) were received not marked in accordance with ASTM specifications. Subsequent testing of the subject material by Singleton Materials Engineering Laboratory revealed the material failed to meet ASTM specifications. The associated documentation received with the material erroneously shows that the nuts and bolts do meet ASTM specifications. Approximately 450 of these bolts and 1300 nuts have been issued to the field for installation. Nonconformance report (NCR) 1597 pertains to the bolts and NCR 1598 pertains to the nuts.

Interim Progress

TVA is continuing its evaluation of the bolts and nuts as specified in the last report. Numerous bolts and nuts cannot be accounted for at this time. However, TVA is continuing its search for them.

Also, test data produced by Singleton Materials Laboratory is being further evaluated by TVA.