

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

84 October 12, 1984
OCT 18 11:48

BLRD-50-438/84-50
BLRD-50-439/84-46

U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Dear Mr. O'Reilly:

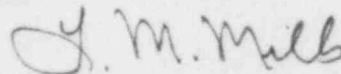
BELLEFONTE NUCLEAR PLANTS UNITS 1 AND 2 - UNAUTHORIZED SUBSTITUTION OF
UNISTRUT ATTACHMENTS FOR SSDs - BLRD-50-438/84-50, BLRD-50-439/84-46 -
FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
P. E. Fredrickson on September 17, 1984 in accordance with 10 CFR 50.55(e)
as NCR 3436. Enclosed is our first interim report. We expect to
submit our next report on or about February 10, 1985.

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

Very truly yours,

TENNESSEE VALLEY AUTHORITY



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, D.C. 20555

Records Center (Enclosure)
Institute of Nuclear Power Operations
1100 Circle 75 Parkway, Suite 1500
Atlanta, Georgia 30339

8410310707 841012
PDR ADOCK 05000438
S PDR

OFFICIAL COPY

ENCLOSURE

BELLEFONTE NUCLEAR PLANTS UNITS 1 AND 2
UNAUTHORIZED SUBSTITUTION OF UNISTRUT ATTACHMENTS FOR SSDs
BLRD-50-438/84-50, BLRD-50-439/84-46
NCR 3436
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

TVA drawing 3GA0059-00-16 R5 allows the substitution of unistrut attachments for 1/2-inch expansion shell anchors (SSD) in three specific base plate designs. All other substitutions must be approved on a case-by-case basis. The Bellefonte Construction project has been indiscriminately substituting unistrut attachments for 1/2-inch expansion shell anchors. The problem is limited to Bellefonte drawings and procedures and does not apply to earlier plants.

The apparent cause of this deficiency was that the requirement for anchor substitution has been revised several times during the project life, consequently causing some confusion. TVA's Office of Construction (CONST) personnel have been under the false impression that a unistrut attachment was superior to a 1/2-inch expansion shell anchor. This led CONST personnel to instruct engineering, inspection, and craftsmen to accept the substitution. CONST's "Seismic Support Installation/Inspection" training program formally endorsed this misconception.

Interim Progress

TVA is in the process of determining the extent of and the necessary corrective actions for this condition.