

REGION II
TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

82 MAY 13
May 11, 1982

BLRD-50-438/82-30

BLRD-50-439/82-27

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:

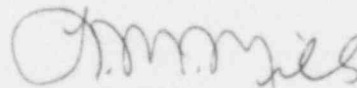
BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - STRESS FRACTURES IN SUPPORT
BRACKETS IN MODULES SUPPLIED BY BAILEY METER COMPANY - BLRD-50-438/82-30,
BLRD-50-439/82-27 - FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
J. Bryant on April 14, 1982 in accordance with 10 CFR 50.55(e) as NCR
1795. Enclosed is our first interim report. We expect to submit our next
report by August 10, 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, Manager
Nuclear Licensing

Enclosure

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

Mr. James McFarland (Enclosure)
Senior Project Manager
Babcock & Wilcox Company
P.O. Box 1260
Lynchburg, Virginia 24505

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ENCLOSURE

BELLEfonte NUCLEAR PLANT UNITS 1 AND 2
STRESS FRACTURES IN SUPPORT BRACKETS IN MODULES SUPPLIED
BY BAILEY METER COMPANY

NCR 1795

BLRD-50-438/82-30, BLRD-50-439/82-27

10 CFR 50.55(e)

FIRST INTERIM REPORT

Description of Deficiency

Connector and support brackets for the printed subcircuit boards in the plug-in modules of the Reactor Protection System and the Engineered Safety Features Actuation System have stress fractures and show evidence of having been glued. The stress fractures appear to have resulted from the possible improper installation of pop-type rivets that secure the brackets. This deficiency was discovered during routine surveillance inspection of the modules. Approximately 500 connector and support bracket assemblies are involved. The same problem has also been found in the non-Class IE Protection System Auxiliary Cabinets. The assemblies were provided by Bailey Meter Company of Kendrick, Ohio, a subcontractor of Babcock & Wilcox.

Interim Progress

TVA has contacted Babcock & Wilcox concerning this problem and is in the process of determining the appropriate corrective actions to take to resolve this deficiency.