

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

January 25, 1982

USNRC REGION I
ATLANTA, GEORGIA

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BLRD-50-438/82-06
BLRD-50-439/82-06

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 - TAPES FOR HEAT TRACING DO NOT MEET CHEMICAL SPECIFICATIONS - BLRD-50-438/82-06, BLRD-50-439/82-06 - FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector D. Quick on December 24, 1981 in accordance with 10 CFR 50.55(e) as NCR 1692. Enclosed is our first interim report. We expect to submit our next report by April 14, 1982.

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 Regulation and Safety

Enclosure

cc: Mr. Richard C. DeYoung, 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
TAPES FOR HEAT TRACING DO NOT MEET CHEMICAL SPECIFICATIONS
BLRD-50-438/82-06, BLRD-50-439/82-06
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

Permacel PT-180 is a pressure sensitive tape supplied to TVA by the heat trace system vendor, Chemelex Division, Raychem Corp., Redwood City, CA. Upon receipt, TVA evaluated PT-180 per Purchase Specification PF-4121, "Purchase Specification for Pressure Sensitive Tapes for Use on Stainless Steels or Other Corrosion Resistant Alloys," which establishes the total halogen content and the leachable halide content acceptable in pressure sensitive tapes that may be used on stainless steel. TVA's Singleton Materials Engineering Laboratory Report B-198 establishes that the leachable halide content of PT-180 exceeds PF-4121 guidelines. In addition, the sulphur content of PT-180 exceeds PF-4121 guidelines, but this has been determined to be a nonsignificant condition in accordance with 10 CFR 50.55(e) guidelines because sulphur has no adverse effects on stainless steel pipe.

Purchase specification PF-4121 which is referenced above is applied only to indefinite quantity term (IQT) contracts which are administered by site personnel. However, PT-180 was supplied under a contract which was administered by Engineering Design personnel, and PF-4121 was not a part of the procurement documents. Consequently, this is not considered a 10 CFR Part 21 nonconformance.

Interim Progress

TVA is evaluating the deficiency and will supply additional information in our next report.