

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

September 28, 1982

BLRD-50-438/81-35  
BLRD-50-439/81-38

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:

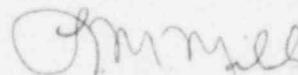
BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - AUXILIARY BUILDING FUEL HANDLING  
ZONE VENTILATION FANS - BLRD-50-438/81-35, BLRD-50-439/81-38 - FOURTH  
INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector  
R. V. Crlenjak on May 6, 1981 in accordance with 10 CFR 50.55(e) as  
NCR BLN BLP 8111. This was followed by our interim reports dated  
June 5 and December 14, 1981 and June 11, 1982. Enclosed is our fourth  
interim report. We expect to submit our next report by February 22, 1983.

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, D.C. 20555

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USNRC REGION II  
ATLANTA, GEORGIA

ENCLOSURE  
BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2  
AUXILIARY BUILDING FUEL HANDLING ZONE VENTILATION FANS  
NCR BLN BLP 8111  
BLRD-50-438/81-35, BLRD-50-439/81-38  
10 CFR 50.55(e)  
FOURTH INTERIM REPORT

Description of Deficiency

The auxiliary building fuel handling zone ventilation supply air fans are mounted inside the common zone air intake plenums on elevation 686' along with hot water heating coils and chilled water cooling coils. Since these fans provide ventilation and cooling of fuel handling engineered safety features (ESF) zones, they are safety related. The heating and cooling coils are not qualified for seismic conditions since they were purchased nonseismic. During a seismic event, a hot water heating coil or chilled water cooling coil could rupture causing flooding of the air intake plenum and subsequent failure of both fuel handling zone ventilation supply air fans.

Interim Progress

A contract has been awarded to have the coil manufacturer provide seismic qualification for both the hot water heating coils and the chilled water cooling coils. Additional information will be supplied in the next report.