

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

February 16, 1983

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:

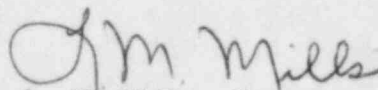
BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - AUXILIARY BUILDING FUEL HANDLING
ZONE VENTILATION FANS - BLRD-50-438/81-35, BLRD-50-439/81-38 - FIFTH
INTERIM REPORT

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, and September 28, 1982.
Enclosed is our fifth interim report. We expect to submit our next
report by August 5, 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

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)
FIFTH 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 (Aerofin Corporation, Cleveland, Ohio) provide seismic qualification for both the hot water heating coils and the chilled water cooling coils. The coil manufacturer's seismic qualification report including any necessary coil support modifications has been received by TVA. TVA is currently reviewing the report. More information will be forwarded in our next report.