

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

5N 157B Lookout Place

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January 15, 1986

WBRD-50-390/86-08

WBRD-50-391/86-07

U.S. Nuclear Regulatory Commission
Region II
Attn: Dr. J. Nelson Grace, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Dear Dr. Grace:

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - EFFECTS OF TORNADO DEPRESSURIZATION ON
CLASS 1E EQUIPMENT - WBRD-50-390/86-08, WBRD-50-391/86-07 - INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
Al Ignatonis on December 18, 1986 in accordance with 10 CFR 50.55(e) as SCR
WBN EEB 8563. Enclosed is our interim report. We expect to submit our next
report on or about March 21, 1986.

If you have any questions, please get in touch with R. H. Shell at FFS
858-2668.

Very truly yours,

TENNESSEE VALLEY AUTHORITY



J. W. Hufham
Manager of Licensing

Enclosure

cc: Mr. James Taylor, Director (Enclosure)
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

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

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ENCLOSURE
WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
EFFECTS OF TORNADO DEPRESSURIZATION ON CLASS I E EQUIPMENT
WBRD-50-390/86-78, 50-391/86-07
SCR WBN EEB 8563
10 CFR 50.55(e)
INTERIM REPORT

Description of Deficiency

A condition has been identified for Watts Bar Nuclear Plant (WBN) in which TVA does not have adequate assurance that essential electrical equipment is fully protected in areas of the plant which are subject to tornado depressurization. This condition was identified as a result of a review for generic implications performed for a similar condition which was identified at Bellefonte Nuclear Plant (BLN) on nonconformance report (NCR) BLN NEB 8409.

Safety Implications

The inability of nonqualified equipment or enclosures to vent during a tornado depressurization/repressurization event could produce secondary damage or missiles. This could result in damage to and/or failure of inadequately protected safety-related equipment. This could adversely affect the safety of operations of the plant.

Interim Progress

TVA is still in the process of evaluating the subject deficiency. Our next report on this item will be provided to NRC on or about March 21, 1986.