

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

July 23, 1982

WBRD-50-390/82-72

WBRD-50-391/82-67

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:

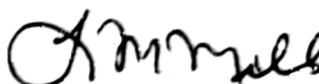
**WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - TORNADO DEPRESSURIZATION ON
AUXILIARY BUILDING - WBRD-50-390/82-72, WBRD-50-391/82-67 - FIRST INTERIM
REPORT**

The subject deficiency was initially reported to NRC-OIE Inspector
R. V. Crienjak on June 23, 1982 in accordance with 10 CFR 50.55(e) as
NEB 8213. Enclosed is our first interim report. We expect to submit
our next report on or about November 16, 1982.

If you have any questions, 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

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ENCLOSURE

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
TORNADO DEPRESSURIZATION ON AUXILIARY BUILDING

WBRD-50-390/82-72

WBRD-50-391/82-67

10 CFR 50.55(e)

FIRST INTERIM REPORT

Description of Deficiency

TVA calculation TI-ECS-11, "Tornado Depressurization Simulation of Auxiliary Building" assumes closed doors blow open at a pressure differential of 0.5 lb/in². Recent analyses indicate that the doors may be significantly stronger when the pressure differential acts against the door frame. (A differential pressure of approximately 2 lb/in² may be required to cause door failure in this case.)

Interim Progress

The tornado depressurization calculation is being revised in order to determine the loading which would be expected on interior walls due to the higher door opening pressure. The walls will be analyzed for their ability to withstand the calculated load. Field modifications will be made to strengthen walls or reduce loadings as required.

The impact on other TVA nuclear plants is being investigated.