

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401  
400 Chestnut Street Tower II

September 27, 1982

WBRD-50-390/82-90  
WBRD-50-391/82-86

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 - FAILURE TO CONSIDER SEISMIC  
INERTIAL LOADINGS ON LADDERS, ETC., WBRD-50-390/82-90, WBRD-50-391/82-86 -  
FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector  
D. Quick on August 26, 1982 in accordance with 10 CFR 50.55(e) as  
NCR GEN CEB 8210. Enclosed is our first interim report. We expect to  
submit our next report on or about January 24, 1983. This deficiency is  
also applicable to Yellow Creek Nuclear Plant (a separate report is being  
submitted for Yellow Creek).

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*  
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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ATLANTA, GEORGIA  
USNRC REGION II

ENCLOSURE

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2  
FAILURE TO CONSIDER SEISMIC AND INERTIAL  
LOADINGS ON LADDERS, ETC.

NCR GEN CEB 8210

WBRD-50-390/82-90, WBRD-50-391/82-86

FIRST INTERIM REPORT

Description of Deficiency

In the design calculations for the ladders, platforms, and walkways attached to the steel containment vessel, no consideration was given to the inertial effects of earthquake and DBA loadings. These structures were designed for live plus dead loading only.

Interim Progress

The ladders, platforms, and walkways attached to the steel containment vessel will be reevaluated for load combinations, including earthquake and DBA loadings in accordance with the criteria defined in TVA design specification WBNP-DS-1705-1440-03. Any ladder, platform, or walkway found to be deficient will be modified or stiffened as required to meet this criteria.