



830 Power Building  
TENNESSEE VALLEY AUTHORITY  
CHATTANOOGA, TENNESSEE 37401

*Central File*  
*56-390*  
*391*

NOV 3 1976

Mr. Norman C. Moseley, Director  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Region II - Suite 818  
230 Peachtree Street, NW.  
Atlanta, Georgia 30303

Dear Mr. Moseley:

WATTS BAR NUCLEAR PLANT - SEISMIC LOADS FOR REFUELING AND PRIMARY WATER STORAGE TANK PIPE TUNNELS ARE NOT BASED ON SAFETY ANALYSIS REPORT CRITERIA

The subject deficiency was initially reported to NRC-OIE Region II office, Inspector J. C. Bryant, on October 7, 1976, in accordance with 10 CFR 50.55(e). The following is the first interim report.

The seismically induced loads used in the design of the reinforced concrete pipe tunnels for the refueling and primary water storage tanks (one tunnel per unit) were not based on the seismic criteria presented in section 3.7 of the Watts Bar FSAR.

Construction of the pipe tunnels has been halted pending the results of an evaluation, now in progress, to determine the adequacy of the present design to withstand the seismically induced loads associated with the Watts Bar site. Any corrective action necessary will be determined after the evaluation is complete.

Our next report will be transmitted to your office by February 20, 1977.

Very truly yours,

*J. E. Gilleland*

J. E. Gilleland  
Assistant Manager of Power

CC: Dr. Ernst Volgenau, Director  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

*Werner*  
*R*