

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

SEP 15 1977

REGULATORY DOCKET FILE COPY



Mr. James P. O'Reilly, Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Region II - Suite 1217
230 Peachtree Street, NW.
Atlanta, Georgia 30303

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Dear Mr. O'Reilly:

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - REPORTABLE DEFICIENCY -
DISCREPANCY DISCOVERED IN SEISMIC ANALYSIS OF REACTOR COOLANT
LOOP - NCR 11

The subject deficiency was initially reported to NRC-OIE Region II,
Inspector L. E. Foster, on August 15, 1977, in accordance with
10 CFR 50.55(e). The following is our first interim report on
this deficiency:

Westinghouse reported to TVA and EDS Nuclear that in
performing the final reactor coolant loop analysis they
had discovered discrepancies in their previous analysis.
For the seismic analysis these discrepancies include
misrepresentation of the reactor coolant pump tie rod
and reactor vessel support stiffnesses. These errors
resulted in revised seismic and LOCA displacements of
the reactor coolant loop branch nozzles. These
displacements have been used by EDS for piping
analysis purposes.

Additional information will be provided when available. Our
final report on this deficiency is anticipated to be transmitted
to your office by January 24, 1978.

Very truly yours,

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

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September 15, 1977

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