

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

March 4, 1983

WBRD-50-390/83-09
WBRD-50-391/83-08

U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

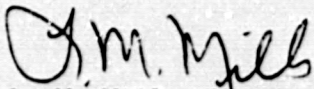
WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - VALVE POSITION INDICATION PROBLEMS
FOR EMD GATE VALVES - WBRD-50-390/83-09, WBRD-50-391/83-08- FIRST INTERIM
REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
L. Watson on February 3, 1983 in accordance with 10 CFR 50.55(e) as NCR
WBN NEB 8302. Enclosed is our first interim report. We expect to submit
our next report on or about June 22, 1983.

If you have any questions, please get in touch with R. H. Shell at
PTS 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, D.C. 20555

8303140418 830304
PDR ADOCK 05000390
S PDR

ENCLOSURE

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
VALVE POSITION INDICATION PROBLEMS FOR EMD GATE VALVES
NCR WBN NEB 8302
WBRD-50-390/83-09, WBRD-50-391/83-08
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

Valve position indication for certain Westinghouse (Pittsburgh, Pennsylvania) manufactured (EMD) gate valves indicate "closed" prior to the valve disc fully isolating flow. Should the valve stall (or bind) following the premature indication being given, the operator would have an inaccurate indication of the true valve position.

A geared limit switch rotor is set to provide an electrical bypass of the open torque switch at the beginning of the opening stroke. As a result, it is likely that monitor and/or indicator lights also operated by that rotor will indicate valve closure slightly before the flow path is completely shut off. If the valve were to stop between this set point and the full shut off position, a flow path through the valve could exist even though a closed indication has been achieved.

Interim Progress

Westinghouse has stated that they have performed a plant-specific review of Watts Bar for safety and nonsafety-related valves. They also have stated that they are in the progress of preparing field change notices (FCNs) which will categorize all modifications required to correct the valve closure indication problems. TVA is currently awaiting receipt of these FCNs for Watts Bar NSSS valves. More information will be provided in our next report.