

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

September 21, 1983

03 SEP 27 P2:42

WBRD-50-390/83-53

WBRD-50-391/83-50

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 - DAMPERS NOT ADEQUATELY SHOWN ON DESIGN
TYPICAL DRAWINGS - WBRD-50-390/83-53, WBRD-50-391/83-50 - FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
Linda Watson on August 24, 1983 in accordance with 10 CFR 50.55(e) as
NCR WBN 5036. Enclosed is our first interim report. We expect to
submit our next report on or about December 6, 1983.

If you have any questions, please get in touch with R. H. Shell at
FTS 858-2688.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

D S Kammer

for 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

Records Center (Enclosure)
Institute of Nuclear Power Operations
1100 Circle 75 Parkway, Suite 1500
Atlanta, Georgia 30339

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ENCLOSURE

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
DAMPERS NOT ADEQUATELY SHOWN ON DESIGN TYPICAL DRAWINGS
NCR 5036
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

TVA's Division of Engineering Design (EN DES) typical installation drawings for fire dampers do not reflect the minimum space requirements needed for expansion between the fire dampers and the embedded sleeve. There are no installation drawings for backdraft dampers, and the installation drawings for flow control dampers are not adequate.

Interim Progress

EN DES is investigating the problems with backdraft and flow control dampers.

TVA's Division of Construction (CONST) will perform a 100-percent inspection to determine the actual installed clearances between the fire damper and embedded sleeve. EN DES's Mechanical Engineering Support Branch (MEB) will initiate additional Underwriter Laboratory (UL) testing of fire dampers of selected sizes installed with no clearance. Any replacement dampers will be procured as needed. TVA is presently investigating this deficiency for Sequoyah and Browns Ferry Nuclear Plants. No problem exists at Bellefonte Nuclear Plant.