

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

September 2, 1982

HTRD-50-518/82-17, -520/82-17,

U.S. Nuclear Regulatory Commission
Region II
ATTN: James P. O'Reilly, Regional Administrator
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

HARTSVILLE NUCLEAR PLANT A - REPORTABLE DEFICIENCY - VALVES BY
KEROTEST DO NOT MEET SEISMIC CRITERIA - HTRD-50-518/82-17,
-520/82-17

The subject deficiency was initially reported to NRC-OIE, Region II
Inspector Ross Butcher on August 4, 1982 as NCR-6, Kerotest. In
compliance with paragraph 50.55(e) of 10 CFR Part 50, we are
enclosing first interim report on the subject deficiency. We
consider 10 CFR Part 21 applicable to this nonconformance. If you
have any questions, please call Jim Domer at FTS 858-2725.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills
L. M. Mills, Manager
Nuclear Licensing

Enclosure

cc: Mr. R. C. DeYoung, Director (Enclosure)
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

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USNRC REGION II
ATLANTA, GEORGIA

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ENCLOSURE
HARTSVILLE NUCLEAR PLANT A
VALVES BY KEROTEST DO NOT MEET SEISMIC CRITERIA
10CFR50.55(e) REPORT NO. 1 (INTERIM)
NCR-6 KEROTEST
HTRD-50-518/82-17, -520/82-17

Description of Deficiency

During recent seismic testing, Kerotest, Pittsburgh, Pennsylvania, has discovered that all packed, motor-operated valves shipped to date do not meet the 33 Hertz static analysis criteria. On valves 1" and smaller, the lowest natural frequency is 22.99 Hertz. On 1-1/2" and 2" valves, the lowest natural frequency is 14.9 Hertz.

These valves were procured under STRIDE contract 77K53-820721-2 for TVA with GE, San Jose, California.

Safety Implications

These valves are used in a wide variety of safety-related equipment and systems throughout the plant. Their failure during a seismic event could have adverse effects on the safe operation of the plant.

Interim Progress

These valves have been located in warehouse storage onsite and have been tagged as nonconforming. Negotiations are underway with the contractor for the return of these valves. TVA has elected to defer construction activities for this project. Deferral does not mean that the project will be cancelled but that TVA is minimizing its expenditures and construction efforts until such time that TVA has sufficient information to indicate whether the project should be completed or cancelled. Therefore, we will not be submitting a final report for this nonconformance until a final decision is made regarding this project.