

# TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

5N 157B Lookout Place

**AUG 28 1990**

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

Gentlemen:

In the Matter of ) Docket Nos. 50-327  
Tennessee Valley Authority ) 50-328

SEQUOYAH NUCLEAR PLANT (SQN) - ESSENTIAL RAW COOLING WATER (ERCW) PUMPHOUSE  
FOUNDATION AND ERCW PUMPING STATION ACCESS CELLS

- References:
1. TVA letter to NRC dated December 28, 1988, "Sequoyah Nuclear Plant (SQN) - Essential Raw Cooling Water (ERCW) Pumphouse Foundation and ERCW Pumping Station Access Cells"
  2. TVA letter to NRC dated March 1, 1990, "Sequoyah Nuclear Plant (SQN) - Essential Raw Cooling Water (ERCW) Pumphouse Foundation and ERCW Pumping Station Access Cells"

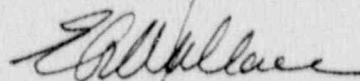
As committed in References 1 and 2, this letter provides the final report for the limited exploration program of the ERCW pumphouse foundation. Contained within the report is the evaluation of the seismic qualification of the pumphouse equipment, the evaluation of the pumphouse deflections, and the evaluation of the operating basis earthquake concurrent with water level at Elevation 704. The roadway access cells final report was submitted by Reference 2.

The enclosure contains TVA's Calculation SCGLS361, which includes the final report for the foundation investigation of the ERCW pumphouse. The conclusions of the calculation and the final report are that the structural integrity of the pumping station foundation cells is confirmed, the foundation will perform its intended function under design conditions, and no additional investigation is necessary.

No commitments are contained in this submittal. Please direct questions concerning this issue to K. S. Whitaker at (615) 843-7748.

Very truly yours,

TENNESSEE VALLEY AUTHORITY



E. G. Wallace, Manager  
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Enclosure  
cc: See page 2

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U.S. Nuclear Regulatory Commission

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Enclosure

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