

TENNESSEE VALLEY AUTHORITY

AUG 30 1989

Mr. Garland P. Wiggins, Manager  
Industrial Facilities Section  
Division of Water Pollution Control  
Tennessee Department of Health  
and Environment  
Bureau of Environment  
TERRA Building  
150 Ninth Avenue, North  
Nashville, Tennessee 37219-5404

Dear Mr. Wiggins:

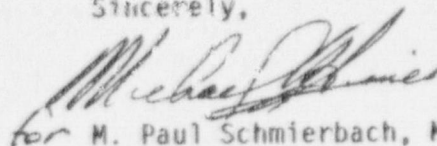
TENNESSEE VALLEY AUTHORITY - SEQUOYAH NUCLEAR PLANT (SQN) - REQUEST TO  
CHANGE TEMPERATURE RISE LIMIT DURING WINTER OPERATIONS

Enclosed are five copies of the report entitled "A Predictive Section 316(a) Demonstration for an Alternative Winter Thermal Discharge Limit for Sequoyah Nuclear Plant, Chickamauga Reservoir, Tennessee." This report is being submitted pursuant to Section 316(a) of the Federal Water Pollution Control Act, as amended, to support our request to change SQN's temperature rise limit during winter operations from November through March. We request that the temperature rise limit be raised from the current 3°C (5.4°F) to 5°C (9°F). This report is to demonstrate that the current temperature rise limit is more stringent than necessary to assure the protection and propagation of a balanced, indigenous population of shellfish, fish, and wildlife in and on the receiving waters. Section 316(a) provides that less stringent thermal effluent limitations may be imposed if it can be demonstrated that the proposed change meets the above criteria.

As requested in the May 31 meeting between our staffs on this demonstration, we have included only that material we consider to be essential for demonstrating our case for the variance. Whatever supporting data or other specific information your reviewers may need will be supplied upon request during the review process. It is our hope that you will be able to review this demonstration and provide a decision before the end of the calendar year.

If you have any concerns or requests for additional information, please contact Abraham H. Loudermilk, Jr., at (615) 632-6656 in Knoxville.

Sincerely,



for M. Paul Schmierbach, Manager  
Environmental Quality

Enclosures  
cc: See page 2

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AUG 30 1989

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Mr. Garland P. Wiggins

cc (Enclosure):

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