

TENNESSEE VALLEY AUTHORITY

KNOXVILLE, TENNESSEE 37902

MAY 15 1989

Mr. Philip L. Stewart, Manager
Chattanooga Field Office
Tennessee Division of Water
Pollution Control
2501 Milne Avenue
Chattanooga, Tennessee 37406-3399

Dear Mr. Stewart:

TENNESSEE VALLEY AUTHORITY (TVA) - WATT'S BAR NUCLEAR PLANT (WBN) -
YARD HOLDING POND ENGINEERING REPORT

As committed in my November 15, 1988 letter to you, enclosed is the subject engineering report for the restoration of the east end of the WBN yard holding pond. This portion of the pond was previously removed from service due to leakage problems. This environmental proposal includes the liner design, installation procedures, technical design data, design plans and sketches, and construction specification. The work on lining the east end of the pond is budgeted for this fiscal year and is scheduled to begin in June.

TVA will not utilize this pond for the storage of toxic materials, therefore, a coefficient of permeability of 7.3×10^{-6} cm/sec for the clay liner design is used as a design specification. We will emphasize quality control during the installation of the liner to assure that the design coefficient of permeability will be achieved in the field.

If you have any questions regarding this engineering report, please contact Abraham H. Loudermilk, Jr., at (615) 632-6656 in Knoxville.

Sincerely,



M. Paul Schmierbach, Manager
Environmental Quality

Enclosure

cc (Enclosure):

Mr. Bruce R. Barrett, Director
Water Management Division
United States Environmental
Protection Agency
Region IV
345 Courtland Street, NE.
Atlanta, Georgia 30365

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Mr. Philip L. Stewart

MAY 15 1989

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