



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF WATER RESOURCES

William R. Snodgrass - Tennessee Tower
312 Rosa L. Parks Avenue, 11th Floor
Nashville, Tennessee 37243-1102

September 11, 2023

Mr. Paul Pearman
Senior Manager, Water Permits, Compliance, and Monitoring
Tennessee Valley Authority
e-copy: ppearman@tva.gov

Subject: **Pore Water Extraction Pilot Project**
NPDES Permit Number TN0005452
Tennessee Valley Authority (TVA) - Kingston Fossil Plant (KIF)
Roane County

Dear Mr. Pearman:

The Division of Water Resources (the Division) acknowledges the receipt of the proposal for the pore water extraction pilot project. The project would take place at KIF's Sluice Trench and Area East of Sluice Trench to determine efficacy of the extraction method and evaluate opportunities for further use at this and other TVA facilities.

The pilot project is internal to the overall site treatment processes and is not anticipated to change the volume or characteristics of the authorized discharge. The Division has no objection to the pilot project, which is hereby approved.

However, the approval of the pilot project should not be perceived as an approval to pump and discharge pore water on a large scale without additional treatment. The Clinch River provides large assimilative capacity, but that does not remove a regulatory requirement to evaluate, design and install technology for future Corrective Action/Risk Assessment plan(s). While some of the pore water may find its way to the pond structure and outfall currently, the active remediation process must include implementation of best available treatment technology. Correspondingly, a new internal monitoring point would be added to the KIF NPDES permit, where efficiency of selected treatment would be evaluated.

Any substantial changes to the pilot project should be submitted to the Division for comment. The Knoxville Environmental Field Office (865-594-6035) should be notified at start up and termination of the pilot project.

If the Division may be of assistance, please feel free to contact me at (615) 532-0670 or by E-mail at Vojin.Janjic@tn.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Vojin Janjic".

Vojin Janjic
Manager, Water-Based Systems Unit

cc: Permit File
Mr. Timothy Jackson, Plant Manager, Tennessee Valley Authority, tdjackson0@tva.gov
Mr. Michael J. Atchley, Knoxville EFO Manager, DWR, Michael.Atchley@tn.gov
Ms. Britta Paule Lees, PWS, TN-QHP, Specialist, Water Permits, Compliance, & Monitoring,
Tennessee Valley Authority (TVA), bplees@tva.gov
Mr. Robert S. Wilkinson, CCR Technical Manager, TDEC BOE, robert.wilkinson@tn.gov