



Tennessee Valley Authority, 1101 Market Street, BR4A, Chattanooga, Tennessee 37402

September 5, 2017

{Electronic Transmittal}

Mr. Vojin Janjić  
Manager, Water-Based Systems  
Division of Water Resources  
Tennessee Department of Environment  
and Conservation (TDEC)  
William R. Snodgrass TN Tower  
312 Rosa L. Parks Avenue, 11th Floor  
Nashville, Tennessee 37243

Dear Mr. Janjić:

TENNESSEE VALLEY AUTHORITY (TVA) – WATTS BAR NUCLEAR PLANT (WBN) – NPDES  
PERMIT NO. TN0020168 – SUPPLEMENTAL INFORMATION FOR SECTION 316(b)  
COMPLIANCE STUDY REPORTS UNDER § 122.21(r) – WAIVER REQUEST

TVA seeks a waiver of the Section (§) 122.21(r)(9) through (13) information requirements of the § 316(b) rule for WBN. The enclosed document presents the justifications for such waiver based largely on the flow reductions associated with the facility's closed-cycle recirculating cooling water system, as augmented by a supplemental cooling water system, and upon the unique use of two distinct waterbodies as cooling water sources.

TVA submitted the § 122.21(r)(2) through (8) documents required of all existing facilities to TDEC on July 27, 2017, as specified by the permit. TVA believes, that should the Director grant TVA's waiver request of the § 122.21(r)(9) through (13) requirements, that the information previously presented, along with the supplemental information included in the enclosed, are sufficient for the Director to make a decision with regard to entrainment requirements for WBN in the subsequent permit.

TVA is prepared to meet with TDEC as may be necessary to discuss the Section 316(b) study reports and waiver request in greater detail. If you have questions or need additional information, please contact me by email at [techeek@tva.gov](mailto:techeek@tva.gov) or by phone at (423) 751-2201.

Sincerely,

Terry E. Cheek  
Senior Manager  
Water Permits, Compliance, and Monitoring

Enclosures

DO3D  
NRR

Mr. Vojin Janjić  
Page 2  
September 5, 2017

cc (Enclosures):

Ms. Jennifer Innes  
Manager, Chattanooga Environmental Field Office  
Division of Water Resources  
1301 Riverfront Parkway, Suite #206  
Chattanooga, Tennessee 37402

U.S. Nuclear Regulatory Commission ( )  
Attn: Document Control Desk  
Washington, DC 20555