



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

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

---

**MEMORANDUM**

---

To: Mr. Christopher Marlow, Environmental Consultant 1, TN DWR State Water Infrastructure Grants  
e-copy: christopher.s.marlow@tn.gov

From: Angela Jones, P.E., Manager, Engineering Services Unit, Division of Water Resources

e-sig:

Date December 19, 2023

Re: Transmittal of Preliminary Engineering Report  
BEDFORD COUNTY U.D. (PWSID TN0000517), Bedford County  
ESU Project Number: DW20231160  
ARP Project Number: 2022-7896 DW-PDC-1  
Project: 2023 BCUD ARP Improvements

Receipt is acknowledged, on November 14, 2023 for the above referenced Preliminary Engineering Report. The project is associated with PWSID No. TN0000517.

The chosen alternative generally consists of 8 elements all within the water treatment plant. 1) Replace the motor control systems, variable frequency drives, and generally upgrade the electrical system within the plant; 2) Install an emergency generator; 3) Replace the raw water pumps; 4) Upgrade the raw water intake screen; 5) Replace the existing raw water line; 6) Install new 2.0 mgd membrane filtration system; 7) Replace the high service pumps; 8) Install new filter piping within the plant. Bedford County Utility District is already in communication with Natural Resources Unit regarding their water withdrawal ARAP.

The Engineering Services Unit has no objection to the chosen alternative.

The engineer should upload the PER and this memo to GMS as part of the ARP process. To expedite matters the engineer should reference the assigned ARP grant application ID with future submittals for this project. This project is subject to review by SWIG for compliance with project scope and grant requirements. If we may be of any assistance, please feel free to contact Ms. Cindy Wheeler, PE at 615-939-0058 or by E-mail at [cindy.wheeler@tn.gov](mailto:cindy.wheeler@tn.gov).

Final construction documents should be submitted to ESU for review and approval through My TDEC Forms.

cc: Ms. Crystal Stacey, Multi-Program Coordinator, TDEC - Columbia Environmental Field Office, [columbia.efo\\_adm@tn.gov](mailto:columbia.efo_adm@tn.gov)  
Mr. Buddy Koonce, Engineer, Koonce Engineering, [buddy.koonce@gmail.com](mailto:buddy.koonce@gmail.com)  
[Tdec.arp@tn.gov](mailto:Tdec.arp@tn.gov)