



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

July 31, 2023

Mr. Richard K. Smith, P.E.  
Design Engineer  
e-copy: rich.smith@hdrinc.com  
HDR Engineering Inc.  
333 W. Vine Street, Suite 1400  
Lexington, KY 40507

Subject: **USDOE Oak Ridge National Laboratory**  
**County: Roane**  
**Wastewater Project Number: 23.0337**  
**Project: 3501 Pump Station Replacement**

Dear Mr. Smith:

The Tennessee Department of Environment and Conservation, Division of Water Resources, acknowledges the receipt of your construction documents on June 28, 2023 and additional information through July 26, 2023.

The project consists of replacement of the existing 3501 pump station located in the 3000 area of the Oak Ridge National Laboratory (ORNL). The new pump station has a design capacity of 820 GPM. Additionally, this project requires: replacement of 142 linear feet of 6-inch DIP force main; replacement of 104 linear feet of 1-1/2-inch SCH80 force main; and installation of 130 linear feet of 12-inch DIP sanitary sewer line.

Approval is granted in accordance with certain requirements of the Water Quality Control (WQC) Act of 1977 and Regulations of the Water Quality Control Board. **On the coversheet(s) of the site's set of plans and specifications, an approval date and its expiration date will be stamped by the division. Any indication of tampering with the bound set of documents will be subject to investigation and prosecution.** One complete set of construction documents, bearing the official stamp, must be kept at the construction site.

Approval expires one year from the stamped approval date (July 31, 2023) unless construction is either underway or complete. Any request for extension must be made prior to this expiration date. Significant deviations from the approved plan documents must be submitted and approved in writing before such changes are made. Minor changes made during construction need not have prior written approval. Modifications, however, may be required by this Department should the changes be deemed inappropriate. It is advisable, therefore to obtain prior approval in cases where the significance of the change is uncertain.

The Division of Water Resources is authorized to inspect the construction work to verify compliance with the approved plans and specifications, which are on the site. Therefore, the engineer shall notify our staff at the Knoxville Environmental Field Office by calling (865) 594-6035 before the start of construction.

Approval of these construction documents should not be construed as a permit for any activities related to this project. Activities which may require a permit under the WQC Act and Regulations include, but are not limited to, the following: streambank vegetation removal; creek crossing(s) for equipment or utility lines; construction within twenty (20) feet of a stream bank; construction in or near a marshy area or wetland, and/or land disturbance equal to or greater than one acre. Additionally, this approval does not authorize connection and use of sewer that will cause or contribute to collection system overflow or overload of receiving wastewater treatment facility.

The Knoxville Environmental Field Office should also be contacted for determinations regarding whether modification of the existing NPDES or SOP permit, an Aquatic Resource Alteration Permit (ARAP) and/or a National Pollutant Discharge Elimination System (NPDES) construction stormwater permit will need to be obtained prior to the beginning of construction of this project.

The division's most recent TDEC Technical/Engineering Documents, including "*Design Criteria for Review of Sewage Works Construction Plans and Documents*", Chapters 1-17, of November 1, 2017, is available on our website: <https://www.tn.gov/environment/program-areas/wr-water-resources/water-quality/water-quality-reports---publications.html>.

To expedite matters, please reference the assigned wastewater project number 23.0337 on any future correspondence. If you have any questions, please feel free to contact Mr. Michael Bascom at (423) 585-7879 or by E-mail at [Michael.Bascom@tn.gov](mailto:Michael.Bascom@tn.gov).

Sincerely,



Angela Jones, P.E.  
Manager, Engineering Services Unit

cc: Water-Based Systems File

Ms. Jessica Langstaff, Work Center/Operations Manager, Oak Ridge National Laboratory,  
langstaffjb@ornl.gov

Mr. Todd A. North, Water Quality Program, ORNL/ UT-Battelle, LLC, northta@ornl.gov

Mr. Michael J. Atchley, Unit Manager, TDEC Division of Water Resources, Michael.Atchley@tn.gov