



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

November 9, 2016

Mr. Brian A. Frederick, P.E.
Sizemore-Frederick, Inc.
e-copy: bfrederick@ldstn.com
310 Simmons Road, Suite K
Knoxville, TN 37922

Subject: **Engineering Report for Town of Mountain City**
Mountain City
Wastewater Project Number: 16-0865
County: Johnson

Dear Mr. Frederick:

We received on October 18, 2016 four copies of the above-referenced engineering report. The proposed project includes installing a high flow pump station at the Welcome Center, installing a mechanical fine screen upstream of the grit removal system, removing grit from the oxidation ditch, modifying some of the plant piping; installing a new 45,000 gallon chlorination tank (while keeping the existing one in service) with the option to construct a second chlorination tank if bids are within the budget; and installing monitoring instrumentation and equipment. The only comment that we have on the report is the following:

Page A-6 – The report proposes a high flow pump station with a single pump. The report indicates that a portable pump will serve as a backup. A portable pump does not meet the division's design criteria. At least two pump units should be provided, each capable of handling the expected maximum flow. We require the submittal of pump head and system head curves. (Chapter 2.5.2).

The division's most recent TDEC Technical/Engineering Documents, including "Design Criteria for Sewage Works", Chapters 1-17 is available on our website: <http://tn.gov/environment/article/wr-wq-water-quality-reports-publications>. The approved engineering report can be downloaded from the public dataviewer at the following link:

http://environment-online.tn.gov:8080/pls/enf_reports/f?p=9034:34051:::NO:34051:P34051_PERMIT_NUMBER:TN0024945

To expedite matters, please reference the assigned wastewater project number 16-0865 on any future correspondence. If we may be of any assistance, please feel free to contact Miss Julie Harse at (615) 532-0682 or by E-mail at Julie.Harse@tn.gov.

Sincerely,

Vojin Janjić
Manager, Water-Based Systems

cc: Water-Based Systems File
Mr. Danny Sims, WWTP Manager, Mountain City STP, cityhall@mountaincitytn.org