



Project Report

March 1, 2023

PROJECT TITLE	Wastewater Unit Flow Reduction Study		
FISCAL YEAR FUNDED	FY2022		
CATEGORY	Sewer		
STARTING PROJECT BUDGET	\$7,800		
CURRENT PROJECT BUDGET	\$7,800		
<input type="checkbox"/> MASTER PLAN?	<input checked="" type="checkbox"/> GROWTH RELATED?	<input type="checkbox"/> SERVICE RELATED?	

Project Description

SUMMARY STATEMENT

The NC Division of Environmental Quality (NCDEQ) 15A 2T Administrative Code provides municipalities and utilities a regulatory path to evaluate historical sewer flows per connection and request a reduction of the minimum required design sewer flow rate stipulated in the code. Generally, the sewer flow reduction for municipalities is based on Residential Equivalent Units (REU) with the intent of reducing the required rate of 360 GPD/home (120 GPD/bedroom) to a rate that is consistent with the actual sewer flows accommodated by the entity. Accordingly, the purpose of the work is to evaluate the current sewer flow rates to determine the potential flow rate reduction available and to submit a request to NCDEQ to modify the rate in accordance with the available data.

Task Checklist



Task Timelines & Comments

CHECKLIST ITEMS	PROJECTED START	ACTUAL START	PROJECTED COMPLETION	ACTUAL COMPLETION	COMMENTS
<input type="checkbox"/> Planning					
<input type="checkbox"/> Design					
<input type="checkbox"/> Permitting					
<input type="checkbox"/> Bid					
<input type="checkbox"/> Construction Contract Award/Execution					
<input type="checkbox"/> Construction					
<input type="checkbox"/> Closeout					
<input checked="" type="checkbox"/> Study	None	October 27, 2021	None	October 3, 2022	See Status Summary
<input checked="" type="checkbox"/> Regulatory Action					See Status Summary
<input type="checkbox"/>					

Status Summary

September 8, 2022 Summary: The NC Department of Environmental Quality (NCDEQ) approved lowering of the regulatory defined wastewater unit design flow for new construction within the Town from 360 gpd for a 3-bedroom, single family residence (120 gpd/bedroom) to 180 gpd (60 gpd/bedroom) on August 8, 2022. Again, the reduction approved is for single family residences only. Accordingly, staff compiled information specific to multifamily residential units (i.e. apartments, townhomes, attached garden homes, duplexes, etc.) and thereafter provided the information to the Town's consultant on August 23, 2022. The consultant will in turn, prepare a request to NCDEQ that the design unit flow rate for multi-family units be lowered using the compiled data as the basis for the request.

March 1, 2023 Summary: NCDEQ approved lowering of the regulatory defined wastewater unit design flow for new construction within the Town from 240 gpd for a 1- and 2-bedroom, multi-family residences (120 gpd/bedroom) to 120 gpd (60 gpd/bedroom) on November 28, 2022.



Key Contacts

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