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Town Manager

Sherry Davis
Town Clerk

October 15, 2024

Quarterly Report Summary

TOWN OF MOUNT OLIVE WASTE WATER TREATMENT PLANT EMC SOC WQ S20-0021

Reporting Period: July, August & September 2024

WQCS00129 - COLLECTIONS

Report on Progress Made Under SOC Requirements

An updated Capital Improvement Plan for Waste Water Treatment and Sewer Collections was unanimously passed by the Town Board of Commissioners on July 1, 2024. If accepted by North Carolina Department of Environmental Quality this will complete item four on the Special Order of Consent.

As of July 1, 2024, we added six new employees to the sewer collections department and have been focused on training them on the jet-vac trucks, basic maintenance at our lift stations and using the camera trailer. We have been working on the tasks to meet our Special Order of Consent requirements.

We replaced three service taps that were located on Franklin and Rogers Streets for the 2020 CDBG-Neighborhood Revitalization Grant. We are still awaiting the final walk through by the CDBG-I 20-I-3610 contractor Step Construction for completion of the slip lining of approximately six thousand five hundred feet of cured-in place pipe.

In August, three lines collapsed and were replaced with SDR 35 in order to repair them. A total of ninety-six linear feet of lines were replaced. The repairs to the large jet-vac truck were completed and it was placed back in service. Southern Vac came onsite to continue training of the new employees.

The Sewer Collections Department completed one hundred and sixty five manhole inspections. We also completed camera inspection training for a total of 2436 feet in the Town and 3500 feet in Calypso. This made Calypso compliant with their ten percent of yearly cleaning and inspection. Two vented manhole lids were sealed to prevent info and infiltration.

During the month of September 2024, we were delayed for two weeks due to the water pump and the rear end of our small jet-vac truck needing to be replaced. The truck was returned to service and we started working on our Special Order of Consent requirements.

Report on Expected Progress In the October, November & December 2024 Quarter

The sewer collections department will continue to perform manhole inspections, smoke testing with our main- focus on the Special Order of Consent camera work and cleaning. Our goal is to complete three thousand linear feet starting on Crest Drive.

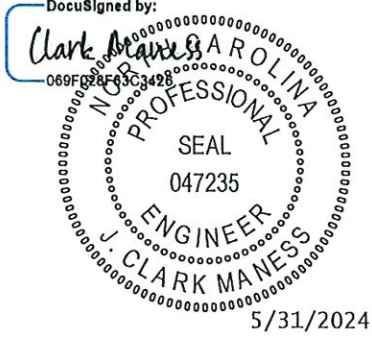
ENGINEERING CERTIFICATION

Partial Final

I, J. Clark Maness, as a duly licensed North Carolina Professional Engineer, having periodically / fully observed the construction of the permitted modifications, do hereby state to the best of my abilities that the facility was constructed in compliance with [G.S. 143-215.1, Administrative Code Title 15A Subchapter 02U](#), this permit, and the Division-approved plans and specifications.

Documentation of any variation to this permit, and the Division-approved plans and specifications, is in the attached as-built drawings.

Description of variations: _____

J. Clark Maness			DocuSigned by: 
Professional Engineer's Name			
WithersRavenel	F-1479		
Firm Name	Firm No.		
115 MacKenan Drive			
Address			
Cary	NC	27511	
City	State	Zip Code	
919-469-3340	cmaness@withersravenel.com		
Telephone	Email		
			Seal, Signature, and Date

THE PERMITTEE SHALL SUBMIT THE COMPLETED ENGINEERING CERTIFICATION, INCLUDING ALL SUPPORTING DOCUMENTATION, VIA THE NON-DISCHARGE [ONLINE PORTAL](#).

Non- Discharge WQ0029169 Contract I

Report on Progress Made Under SOC Requirements

Contract I certification was sent to NCDEQ on May 31, 2024. Please find a copy attached.

After the May 8, 2024 on site meeting at the Waste Water Treatment Plant, the Town was informed by the engineering firm WithersRavenel the issues that were discussed would be our responsibility to correct.

An updated Capital Improvement Plan for Waste Water Treatment and Sewer Collections was unanimously passed by the Town Board of Commissioners on July 1, 2024

The Town has discovered the system was not installed as outlined in the released for construction plans. As-built drawings do not match what was actually installed.

At this time, the Town is still unable to meet permit requirements for both NPDES and Non-discharge. This is due to the spray irrigation system not being able to handle the flows as stated in the Non-discharge permit. Design problems allow the irrigation system to spray offsite, in wetlands, and runoff. Because of this, discharge to the stream exceeds the NPDES flow limit of 1.0 million gallons per day.

Report on Expected Progress In the October, November & December 2024 Quarter

Contract I has been certified and no other work will be performed. Operators will be operating the system to define its limitations.

Discharge Permit NC0020575 Contract II

Report on Progress Made Under SOC Requirements,

An updated Capital Improvement Plan for Waste Water Treatment and Sewer Collections was unanimously passed by the Town Board of Commissioners on July 1, 2024.

Report on Expected Progress In the October, November & December 2024 Quarter

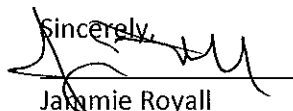
The Town is waiting for Sand filter 1 and 2 to be repaired under warranty by the contractor. This work should take place in November 2024. Repair is needed due to improper installation when sand filter were repaired in Contract II.

Head Works Analysis/Industrial Water Survey

This project is expected to be completed by December 31, 2024 and a program adopted by the Town Board of Commissioners at the January 9, 2025 Regular Board Meeting.

Prior SOC Time Schedule Status

On or before May 31, 2024, achieve compliance with permit conditions in Permit No. NC0020575 and Permit No. WQ0029169. Contract I & Contract II have been certified by the Engineer, however the spray fields are not operational as outlined in the contract. This could lead to discharges of greater than 1.0 MGD to the receiving waters during high flows or rain events.

Sincerely,

Jammie Royall
Town Manager