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April 18, 2024

Quarterly Report Summary

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

Reporting Period: January, February & March 2024

WQCS00129 - COLLECTIONS

Report on Progress Made Under SOC Requirements

On February 27, 2024 a meeting was held with North Carolina Department of Environmental Quality and Town staff regarding the ongoing issues with the Collections System.

The sewer collections department revisited the thirty-six manholes listed on appendix A of the Asset Inventory Assessment and various other manholes not included on the list to determine if there were problems that needed addressing. Smoke testing resulted in ten broken clean out cap replacements.

The sewer collections department replaced one hundred seventy feet of eight-inch VCP with SDR 35. We discovered the main line had separation issues, cracks and deflection. This was the cause of the problems listed for manhole #4-616 on appendix A. In addition, we replaced twenty feet of eight-inch VCP that had separation for the first eighteen feet at manhole #4-639. This manhole was not part of the Asset Inventory Assessment.

Manhole #1-803 associated with #1-017 on appendix A had a vented top. We sealed the two vent holes using bolts with rubber washers. Manholes #2-297 and #2-171 listed on Appendix A as having Inflow & Infiltration issues were wiped and repaired by Samson Storm.

The sewer collections department performed fifty manhole inspections and updated them on Diamond maps. We located the personal grinder pump that is on our system at 109 Cook Lane and added it to Diamond maps.

The sewer collections department inspected one thousand two hundred twenty-one feet of sewer main using our camera system. We are in the process of replacing three service taps that were located on Franklin and Rogers Streets.

CDBG-I 20-I-3610 contractor Step Construction has completed the slip lining of approximately six thousand five hundred feet of cured-in place pipe.

The MAPS GIS has been uploaded and running in Diamond Maps. We are still updating and formatting the information.

Report on Expected Progress In the April, May & June 2024 Quarter

We expect the CDBG-I 20-I-3610 contractor Step Construction to complete four manhole repairs and slip lining of the remaining one thousand eight hundred linear feet by August 2024. The location is South Johnson Street.

We will continue to perform manhole inspections, smoke testing, camera work and locating missing manholes ##3-407 and 1-96.

Regarding CDBG-I project 20-I-3610, we expect the replacement of sewer taps from the house to the main to be completed by May 31, 2024.

Non- Discharge WQ0029169 Contract I

Report on Progress Made Under SOC Requirements

On February 27, 2024, a meeting was held with North Carolina Department of Environmental Quality and Town staff regarding the ongoing issues with Contract I.

Some spray heads are identified as half circle on the plans but were installed as full circle in the fields. A list of problems with the spray heads include: spraying off permit areas onto neighboring properties, across ditches and into the woods. The low areas are still channeling water off the permit site. There is ponding in the fields and spray heads that do not overlap and cover fields as they should.

Due to the R fields being offline, the system is building too much pressure and shuts down fields seven and nine. Field four is now shutting down due to an inactive head taken out of service.

Dellinger Inc. staff came onsite to address the remaining punch list items. The spray heads in fields four and ten were capped and are now listed as inactive on the record drawings.

A Hydrogeological study and installation of the test wells is underway.

Report on Expected Progress In the April, May & June 2024 Quarter

On April 4, 2024, a meeting was held at the Town Hall Conference Room with Dellinger, Inc. Vice President Dean Kite, Town Manager Jammie Royall, Waste Water Treatment Plant Operator in Responsible Charge Glenn Holland, Town Clerk Sherry Davis, Mayor Jerome Newton and Mayor Pro-Tempore Barbara Kornegay to discuss incomplete punch list items. The contractor was questioning the February punch list items and stated the system was installed as designed. The Town has requested a meeting with the contractor, engineer and North Carolina Department of Environmental Quality in May of 2024 to review the punch list items and compliance evaluation report; and is tentatively scheduled for May 8, 2024. Such is scheduled for determining which party will be responsible for bringing the system into compliance before the Town agrees to operational responsibility.

Discharge Permit NC0020575 Contract II

Report on Progress Made Under SOC Requirements,

On February 27, 2024, a meeting was held with North Carolina Department of Environmental Quality and Town staff regarding the ongoing issues with Contract II.

Head Works Analysis/Industrial Water Survey

The Town received notification in December of 2023 the data samples collected throughout the year were not analyzed to the required levels. Additional data samples were collected and the lab was again notified of the required reporting levels. Due to the wrong data analysis reports, the Town collected additional samples in March and April of 2024. The next data samples collection is scheduled for July of 2024. The contractor working on the Head Works Analysis notified the Town in January 2024 they would not be able to continue with the contract. The Town contracted TRC to complete the Head Works Analysis and we are working to get this project completed.

The subcontractor Dorsett completed work on the SCADA system. Sun Coast completed work on the controls and PLC.

Report on Expected Progress In the April, May & June 2024 Quarter

The Contractor stated they feel all work completed for Contract II was per the engineering plans. The Town has requested an onsite meeting with the engineer, contractor, and North Carolina Department of Environmental Quality in May of 2024; such is tentatively scheduled for May 8, 2024. Per the advice of counsel, the Town has refused to accept the contract as substantially complete. While the system will operate, it will not perform as outlined in the permit. The Waste Water Treatment Plant will not be able to meet permit flow limits to the stream without work to the spray fields to allow more flow to be land applied. All parties have received a punch list of remaining items. The Town is hopeful that Contract II can be closed out by June 30, 2024.

Prior SOC Time Schedule Status

On or before May 31, 2024, achieve compliance with permit conditions in Permit No. NC0020575 and Permit No. WQ0029169. Until Contract I is completed and certified by the Engineer, the Town will be unable to meet a flow of 1.0 MGD to the stream as required by permit No. NC0020575. On June 13, 2023, a letter was mailed to North Carolina Department of Environmental Quality advising we would be unable to meet permit limits due to Contract I and Contract II work not being completed. This was discussed again with North Carolina Department of Environmental Quality in our January 2024 meeting. We can provide additional details to DEQ upon request.

Sincerely,



Jammie Royall
Town Manager