

CITY OF MILFORD
SEWER COMMISSION REGULAR MEETING
August 30, 2023

The Sewer Commission of the City of Milford held a regular meeting on Wednesday, August 30, 2023, at 6 PM. This meeting was held by videoconference via Zoom.

The following Commissioners were in attendance:

Chairman Edmund Collier

Vice Chairman, Bradford Hubler

Commissioner Edward Abel

Commissioner Alexander J. Armstrong

Others in attendance:

Lindsay King, Wastewater

Christopher Saley, Director of Public Works

Robert Tedeschi, Sewer Consultant, Weston & Sampson

Beverly Hayes, Recording Secretary

Scott Marlow, Alderman Liaison

Commissioners and others not in attendance:

Commissioner Tara Carroll

Michelle Parente, Aldermen Liaison

Chairman Collier called the meeting to order at 6:00 pm.

1. **CITIZEN'S COMMENTS** - *None*

Statements limited to the legislative function of the Sewer Commission. The time limit granted to each speaker shall be three (3) minutes. Residents, taxpayers, or electors may address the Commission.

2. **APPLICATIONS (PETITIONS)**

a.) **Arlmont Street** – Sewer Extension (was presented at end of Applications)

Warren Field is proposing a sewer extension to the new home at 6 Arlmont Street. This extension to the sewer line will only serve this home. The plans call for the extension, a clean out in the street and a lateral to the new home. Mr. King added that there is no way to access the sewer line by wastewater. He explained his staff at wastewater needs a manhole to get access if there were a blockage as they typically occur at the end of the line. Mr. Saley agreed with Mr. King and recommends the manhole. He explained that the applicant needs to follow the Sewer Extension Policy as follows: The applicant is required to submit construction plans for any proposed extension, that these plans be reviewed by the Sewer Commission's consultant, that

construction of the sewer extension be performed by a contractor listed on the Sewer Commission's current sanitary sewer contractor pre-qualification list, that construction inspection be performed by the Sewer Commission's consultant, and that the applicant for the sewer extension pay the cost for consultant review and inspection.

Chairman Collier called for a motion to approve the sewer extension with a manhole and that the applicant comply with the requirements of the Sewer Extension Policy. Commissioner Armstrong made a motion to approve with Commissioner Abel seconding the motion. The motion carried unanimously.

b.) 470-488 Wheelers Farms Road – Proposed mixed use redevelopment

Attorney Timothy Hollister is here to represent the owners. He explained that the property was built in 1983-1986 as an office complex and was purchased by the current owner in 2021. The buildings are not at capacity with only 30-35% occupancy, it is in a Design Office zone a very large parcel with 47 acres. The owners are proposing to re-develop the property. They are only here to regarding the capacity approval for the re-development. Ted Hart from SLR Consulting presented the property location on screen explaining the property is serviced by a Pump Station and a Force Main to the gravity line at East Rutland Road. John Milone, SLR Consulting explained this is conceptual plan which proposes mixed use for office, multi family and active adult along with amenities, including a restaurant, club house, gym and pool. There is an overlook pond that will remain and there will be walking trails around the perimeter. Atty. Hollister pointed out that these are not affordable units under 8-30g. Commissioner Armstrong asked time frame with a response that they must go before Wetlands & Planning & Zoning which should take 4-6 months and hopefully break ground in the Spring of 2024, assuming all approved. Mr. Saley explained that typically when a proposal of this size, our sewer consultant does a study to determine the flow capacity and in this case include the Pump Station Capacity which the applicant pays for. Mr. Tedeschi added that he could do that and have it done before for the next meeting in September. Atty. Hollister agreed to work with the sewer consultant to get this study done and he understands the owner pays for the study. Tom Knowlton, SLR Consulting answered questions regarding maintenance which is done by an outside company for the pump station, and he has staff there daily. He will get the age of the pumps and pump station and provide the capacity and give them to the Sewer Consultant. Mr. Tedeschi added pump curves we can use to see the flow and what is coming into the collection system. Mr. Saley reminded the Pump Station and force main will remain private. Mr. Knowlton correct.

Chairman Collier called for a motion to approve for discussion. Commissioner Hubler made a motion to approve for discussion seconded by Commissioner Armstrong. Discussion ensued as to who owns and maintains the pump station and the force main with response that the property owner bears responsibility for. The age of the pump station and the last time it was upgraded will be provided. Mr. Saley added the applicant will pay the cost for the study. T Hollister responded understood and he will contact the Sewer Consultant to arrange. Commissioner Hubler made a motion to table the application to allow for the Sewer Consultant to conduct a brief capacity of the gravity sewer line and the Pump Station capacity with Commissioner Armstrong seconding the motion. The motion carried unanimously.

c.) 881 Boston Post Road

Bob Wheway, Codespoti & Associates is here with the Architect Tom Creedon. He shared his screen to show the location of the proposed 24,300 sf expansion of the building to include 38 service bays and 1 car wash bay. In 2014 the Sewer Commission approved the connection of the wash bay to an oil/water separator in a different location in the building. He explained that this oil/water separator was never installed. They must submit a new permit to CT DEEP under the Miscellaneous Industrial User. They are considered a small volume facility, and this would allow them connect the wash bay to the existing drain system. Tom Creedon explained point by point how they meet the criteria according to CT DEEP guidelines as they will only rinse down new cars only in preparation for delivery, there is no oil involved, no chemicals from the engineer and they have no plans to expand the washing of vehicles, maybe 9 new cars a day.

Discussion ensued by the Commission as to how they can wash a vehicle and have the waste go directly into the sewer system and why would CT Deep make an exception? Mr. Saley agreed that they need to protect the city infrastructure and the Commission can require this as part of the approval process. Mr. Creedon referenced the cost due to the elevation of the lines and may need a pump system to get it to the sewer on the property. Mr. Wheway added the new area for the wash bay cannot get gravity due to the grade.

Chairman Collier called for a motion and suggested they incorporate some of the points discussed. Commissioner Able made a motion to approve the tenant fit out contingent that they install a 1,000 gallon oil/water separator with Commissioner Armstrong seconding the motion. Mr. Tedeschi added they should include that the oil/water separator tank shall comply with the Connecticut Deep /criteria for Vehicle Maintenance Wastewaters according to the General Permit for Discharges from Miscellaneous Industrial Users tank. Commissioner Able amended the motion to include those remarks with Commissioner seconding and the motion carried unanimously.

3. TABLED APPLICATIONS (PETITIONS)

a.) 25 Shell Avenue – Request for 20 apartments where the proposed flow exceeds the allowable flow

Chairman Collier called for a motion to remove the item from the Table. Commissioner Abel made a motion to approve with Commissioner Hubler seconding the motion. The motion carried unanimously.

Mr. Gordon explained that the proposed water use will be much lower due to all the water saving devices installed in the new structure and is confident that the sewer system can handle the flow. Mr. Tedeschi added that the added flow is very negligible and not a capacity issue.

Chairman Collier called for a motion. Commissioner Abel made a motion to Approve with Commissioner Hubler seconding the motion. Chairman Collier explained that our flow calculations are not relevant as this is about capacity. The motion carried unanimously.

4. **SEWER ASSESSMENTS**

a.) **175 Grinnell Street** – Lift Sewer Assessment

Chairman Collier called for a motion to lift the sewer assessment. Commissioner Abel made a motion to lift the Sewer Assessment with Commissioner Anderson seconding the motion. The motion carried unanimously.

5. **CONSULTING ENGINEER’S REPORT** – Weston & Sampson – Robert Tedeschi

On-Call Support Services

A. Sanitary Sewer Pump Station Upgrades #1 Various Locations:

1. This project consists of proposed improvements to the following wastewater pumping stations: Sailors Lane, Old Gate Lane, New Haven Ave., Watrous Lane, and Live Oaks
2. Contract Documents between the City and VMS Construction have been executed.
3. Pre-Construction meeting with VMS Construction was held on July 20, 2023. Preliminary schedule indicates majority of work will occur in 2024.
4. Awaiting shop drawings from Contractor.

B. Rogers Avenue Sanitary Pump Station Upgrade:

1. Bids were received from the pre-qualified contractors on June 6, 2023. One (1) bid was received from Kovacs Construction Corp of Oxford, CT in the amount of \$3,444,900. The Project will be funded by City Bond funds (\$3,811,500).
2. Two (2) Purchase Orders have been set up by the city to fund the project.
3. Weston & Sampson recommends that the Sewer Commission award the project to Kovacs Construction.

Chairman Collier called for a motion to award the Construction Bid to Kovacs Construction. Commissioner Hubler made a motion to approve with Commissioner Abel seconding the motion. The motion carried unanimously.

4. Weston & Sampson submitted a proposal to provide Construction Administration and part time inspection services to the City for approval.

Chairman Collier called for a motion. Commissioner Able made a motion to award the Construction Phase Services to Weston & Sampson with Commissioner Hubler seconding the motion. The motion carried unanimously.

C. Housatonic WWTP Upgrades: Athletic Brewing Co.:

1. Weston & Sampson has been working on ways to fast-track the installation of the proposed enhanced chemical feed system in an effort to expedite the ability of the WWTP to treat anticipated loading from the brewery to meet the brewery’s schedule as it continues to move towards full production.
2. Solids Handling:
 - i. Pilot Testing has been completed on July 20, 2023. Results show that the proposed dewatering equipment (Rotary Press) will provide the desired 20% dryness.

- ii. Equipment has been selected (Rotary Press) and final design drawings are underway. The installation of the Rotary Press is not on the critical path for approving the discharge from the brewery. Until the new press is installed and operational, the City can operate the existing belt filter presses for extended hours, as needed to handle any additional solids.
- 3. Enhanced Primary Settling with chemical addition:
 - i. Bench scale testing (Jar Testing) regarding enhanced primary settling with chemical treatment has been completed. The chemical and approximate dosing rate have been selected. Weston & Sampson has designed, and the City has installed, a temporary chemical feed system that will remain in place until the permanent system is in place. We are currently conducting a full-scale test to confirm the proper chemical dosing rate and to quantify the effectiveness of the chemical treatment. The Jar Test showed that the selected chemical would work well in accomplishing the desired results (5 mg/l dose yielded nearly 50% reduction in TSS). The full-scale test is being conducted to confirm, and possibly fine tune, if needed, the chemical dosing rate. This is on-going.
- 4. The City is currently collecting actual effluent TSS and BOD data post chemical addition. That data collection will continue over the next several weeks. We will compare that data to the data the City collected PRE chemical addition and make adjustments to the dosing rate, if needed.
- 5. It is Weston & Sampson's opinion that, with the temporary chemical feed system currently in place, the City can authorize full production / buildout permitted discharge from the Athletic Brewing Company. *Chairman Collier stated that he will take care of this administratively.*

D. Collection System Flow Evaluation:

- 1. Report submitted on January 24, 2022, which included a prioritized schedule for future Sanitary Sewer Evaluation Surveys (SSES) that would identify sources of Infiltration and Inflow (I/I) and other defects in the wastewater collection system.
- 2. The flow at the Housatonic WWTP has exceed 90% of the design flow rate. Met with CTDEEP on March 29, 2023 to discuss options for addressing the need to reduce infiltration and inflow to the WWTPs.
- 3. The City is moving forward with CIPP lining of sewers within the Boston Post Road Area.

6. WASTEWATER REPORT – Lindsay King

Wastewater Treatment Plants

Both Wastewater Plants performed well in the month of July, producing a high-quality effluent. 221 million gallons was treated at the Housatonic Plant and 61 million gallons at the Beaver Brook Plant for a total of 282 million gallons. The Housatonic plants monthly average effluent nitrogen was 180 lbs./day (annual average for 2023 is 212 lbs./day and is under the 307 lb./day permit limit). The Beaverbrook Plants monthly average effluent nitrogen was 82 lbs./day (annual average for 2023 is 62 lbs./day and is under the permit limit of 94 lbs./day).

At the Housatonic Plant normal monthly maintenance was performed:

1. Set up sludge feed pump, water, and electrical connections for portable Fournier Press demonstration. Used a forklift and a small sludge dumpster to collect cake from the demonstration and move to the sludge dumpster.
2. Replaced belts on aeration room cooling fan. Installed two large portable fans to help cool the aeration blowers.
3. Grease and oil step screen, odor control fan

At the Beaverbrook Plant normal monthly maintenance was performed:

1. Vacuumed and cleaned out grit chamber; brought back online and confirmed equipment was operation normally.
2. Reattached grit chamber baffling that had rotted off.
3. Replaced step screen hoist controller.

Pump Stations

Scheduled maintenance was performed at the following pump stations: Kinlock, Concord, Watrous and Kurk Volk.

Other Duties Performed:

1. Ran generators on full load at Sailors, Milford Point, Viscount, Cricklewood, Rogers, Post Road, Zion Hill, Crowley, Naugatuck, Holly, Kinlock, Ford, Captains Walk, Old Field, Buckingham, and Rock.
2. Cleared clogs at Rogers Avenue (6x) and Carriage (1x) Pump Stations
3. Replaced failed transducer at Welches Point PS
4. Replaced bad voltage regulator at Flax Mill PS
5. Cleared clogged channel grinders at West Ave

There were 11 alarms at the pump stations:

- | | |
|---|-------------------|
| 2 | for High Water |
| 5 | for Power Outage |
| 4 | for Grinder Alarm |

Sewer Maintenance

Sewer Maintenance answered 4 complaints.

Sewer Maintenance crews performed scheduled maintenance at the following T-sites:

T-02, T-07, T-24, T-25, T-47, T-50, T-17, T-23, T-20, T-21, T-29, and T-51

There was a sewer excavation at the following location:

NA

Other duties performed were:

1. Raise manholes for paving – Cherry, North and Pilgrim
2. Cleaned siphons – New Haven Ave, Pond Point Ave., and North St.
3. Locate and raise five manholes at New Haven Avenue and Carriage Drive
4. Friday T-sites

A total of 15,680 ft. was jet flushed, 4,810 ft. televised, 1,075 ft. spy TV 'ed, 845 ft. hand rodded, 1,525 ft hydraulically root cut, 0 ft smoke tested, 650 ft root treated, and 370 ft. dye tested.

American Rescue Plan Act – Wastewater Pump Station Emergency Generators:

1. This ARPA funded project consists of replacing emergency generators at multiple wastewater pump stations.
2. \$1,504,000 is approved for this project.
3. Gulf Pond and West Avenue generators have gone out to bid and received a low bid of \$492,600.
4. Installation has started at West Ave pump station with an estimated duration of six weeks.
5. A second bid was opened on March 8th for generators at Wanda, Post Road, White Oaks, Matthew, Anderson, Mayflower, Milford Point, and a portable generator. L. Holzner Electric Company has been selected as the low bidder for \$656,555.00. We are currently waiting on the long lead time for the generators; no delivery date has been set yet.
6. Mr. King added that the West Avenue generator came in and is being installed and should be done in about 4 weeks. The Gulf Pond generator is being stored by the Contractor till the West Avenue install is complete.

Adams Avenue Generator Replacement

1. The 60-kw generator and transfer switch will be replacing the existing failed generator.
2. The project has gone out to bid and received a low bid of \$49,735.
3. We currently have a soft delivery date of November for the generator (60-week lead time).
4. FEMA and insurance money have already been received.
5. FEMA requires the project to be completed by July 2024

Solids Handling Upgrades at the Housatonic Plant

A temporary enhanced primary clarifier settling system has been installed and put online on August 17. The chemical additive, Aluminium Chlorohydrate (ACH), was shown to improve settling during bench scale testing.

7. INFLOW/INFILTRATION UPDATE

- a.) A Wet Weather SOP aimed at minimizing potential effluent violations triggered by high flow conditions at the plant has been submitted to DEEP.
- b.) Weston and Sampson previously completed a Flow Evaluation of all the Cities pump stations and identified the Post Road Pump Station service area as one of the subareas having a large amount of inflow and infiltration (I&I). We are using closed circuit television inspection to identify leaks and propose a pipe lining project to eliminate them. Specifications, mapping, closed circuit television inspection and associated reports have been submitted to purchasing to prepare a bid package. Additional engineering work may be needed to complete the process.
- c.) The Department of Energy and Environmental Protection is asking us to start an SSES study in the spring of 2024. The SSES work would qualify for a CTDEEP Clean Water Fund Grant (55% Grant 45% local share). Wastewater is currently working with the purchasing department to prepare a bid requesting qualifications for engineering services related to SSES work.

8. **COMMITTEE REPORTS** - None

9. **OLD BUSINESS** - None

10. **NEW BUSINESS** - None

11. **VOTING**

a.) Regular Meeting Minutes of July 26, 2023

Chairman Collier called for motion to approve the Regular Meeting minutes of July 26, 2023. Commissioner Hubler made a motion to approve with Commissioner Armstrong seconding the motion. The motion carried unanimously.

b.) Approval of Payments

Chairman Collier called for a motion to approve the payments in the amount of \$32,575.04 Commissioner Hubler made a motion to approve the payments in the amount of \$32,575.04 with Commissioner Abel seconding the motion. The motion carried unanimously.

12. **CHAIRMAN'S REPORT**

a.) Administrative Approvals

Chairman Collier stated there were 9 Administrative Approvals through August 30, 2023.

13. **ADJOURN**

Chairman Collier called for a motion to adjourn at 7:35 p.m. Commissioner Hubler made a motion to adjourn with Commissioner Armstrong seconding the motion. The motion carried unanimously.

Respectfully submitted,

Beverly A. Hayes, BS
Recording Secretary