

CITY OF MILFORD
SEWER COMMISSION REGULAR MEETING
December 21, 2022

The Sewer Commission of the City of Milford held a regular meeting on Wednesday, December 21, 2022, 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

Others in attendance:

Lindsay King, Wastewater

Robert Tedeschi, Sewer Consultant, Weston & Sampson

Chris Wester, Sewer Consultant, Weston & Sampson

Scott Marlow, Alderman Liaison

Michelle Parente, Aldermen Liaison

Beverly Hayes, Recording Secretary

Commissioners and others not in attendance:

Commissioner Brian Bier

Commissioner Tara Carroll

Christopher Saley, Director of Public Works

Chairman Collier called the meeting to order at 6:10 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)** - *None*

3. **WESTCOTT & MAPES, INC.** – Report from Mark Davis – presented by Chairman Collier

A. Gulf Pond Sanitary Pump Station Repairs

The Contractor, Kovacs Construction Corp., has completed the project and submitted in accordance with the Contract Documents, the Waiver of Lien and the Certificate of

Final Payment. W&M has reviewed their request and recommends the Commission approve closing the project out with a credit of \$13,000.00 back to the City.

Chairman Collier called for a motion to approve the change order and to close the project out with a credit of \$13,000.00 back to the City. Commissioner Hubler made a motion to approve with Commissioner Abel seconding he motion. The motion carried unanimously.

The Contractor's Application for Payment No. 7 is for release of their retainage in the amount of \$10,625.15. The Payment Application has been reviewed and certified by W&M, and approval of the payment is recommended.

Chairman Collier called for a motion to release the retainage in the amount of \$10,625.15. Commissioner Hubler made a motion to approve with Commissioner Abel seconding he motion. The motion carried unanimously.

4. **CONSULTING ENGINEER'S REPORT** – Weston & Sampson – Robert Tedeschi

On-Call Support Services

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

- a. This project consists of proposed improvements to the following wastewater pumping stations:
 - i. Sailors Lane Pump Station
 - ii. Old Gate Lane Pump Station
 - iii. New Haven Ave Pump Station
 - iv. Watrous Lane Pump Station
 - v. Live Oaks Pump Station
- b. Submitted Contract Document to the City Engineer for review and comment. Received and have incorporated same into the Construction Documents.
- c. Performed additional topographic and property line survey as requested by the City Engineer. Completed design of roof replacements.
- d. Received approval from the Sewer Commission to advertise for Bid to the 2023 pre-qualified Contractors. Prequalification of Contractors for 2023 is currently under way. Contractors could be approved at the December Sewer Commission meeting. A meeting is scheduled with Purchasing for 1/9/2023 to finalize bidding requirements and dates.
- e. Project will be distributed to the 2023 Contractors for bid in January 2023.

2. Collection System Flow Evaluation:

- a. 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.
- b. Met with CTDEEP to discuss options for moving forward with developing SSES documents. SSES evaluations are partially funded by the CTDEEP Clean Water Fund Planning Grant Program (55% Grant, 45% Local Share)

- c. **Action:** City to retain the services of a professional engineering firm selected through the CTDEEP Quality Based Selection (QBS) Process. Once selected, funding for the SSES study will be sought through the CTDEEP Clean Water Fund Grant Program.

3. Housatonic WWTP Modeling & Assessment: Athletic Brewing Co.

- a. The Housatonic wastewater treatment facility can accept and treat the applicant's initial loading (at 20,000 gpd) without need for modification to current processes or equipment. However, ultimate loading (at 80,000 gpd) will require operational and physical changes to allow for both the applicant's flows and continued acceptance of planned flows from continued development within the City. This is summarized in Weston & Sampson's engineering report dated March 2022.
- b. The Applicant has submitted a CT DEEP "General Permit Registration Form for Discharge of Wastewaters from Significant Industrial Users (SIU GP)" to the City for approval. Reviewed and commented upon said SIU GP.
- c. Met with CT DEEP, the City and the Applicant on July 11th to discuss development schedule and permitting requirements. It is anticipated that wastewater flow from the facility will reach the following milestones as follows:
 - i. 20,000 gpd by the end of 2022.
 - ii. 40,000 gpd by mid-2023.
 - iii. 80,000 gpd by early 2024.
- d. Developed additional modeling analysis to determine impact of proposed 40,000 GPD discharge and impact on the WWTP
- e. **Action:** There is a Bond Debt Service Repayment Agreement in draft form, the details of which are currently being finalized. Once the agreement is in place, the improvements to the Housatonic WWTP, which are required prior to full build out of the facility, can begin. Anticipate design efforts would begin in January 2023.

Chairman Collier noted that the Sewer Commission is the first in line to review the application to increase the wastewater flow from the facility and the upgrades to the Housatonic Treatment Plant.

4. Rogers Avenue Sanitary Pump Station Upgrade

- a. Proposed upgrades will consist of replacing:
 - i. 3 Pumps 75 HP 1,300 gpm; 104 TDH 480 3 phase (Allis Chalmers)
 - ii. Level and Pump controls,
 - iii. Channel grinders,
 - iv. 180 Kw Stand-by generator
 - v. Buried fuel oil tank with above ground tank.
- b. Upgrades will also be made to protect against flooding during storm events.
- c. Reviewed FEMA Flood Maps and established anticipated design flood elevation.
- d. Design storm will be the 100-year flood elevation plus 3 feet, plus 24 inches (revised from 20-inches) to account for anticipated sea level rise by 2050.
- e. 60% design documents were submitted. Comments received on 10/17/2022. Design review meeting held 10/20/22 to discuss comments.
- f. Received review comments and currently working towards 90% submittal, which will include architectural and flood protection design.

5. Prequalification of 2023 Sanitary Sewer Construction Projects

- a. Reviewed eleven (11) prequalification packages received by the Purchasing Office on 12/14/2022. Attached is a summary of the review. Three (3) contractors have the capability to bid on pumping station projects, while ten (10) have the capability to bid on sanitary sewer projects. Two (2) can bid on both categories. We recommend that the attached list be approved by the Sewer Commission for project to be advertised on 2023.

Chairman Collier called for a motion to approve the Pre-Qualified Contractors List. Discussion ensued as to only 3 of the contractors Pump Station Contractors. The Commission discussed expanding the list available to bid for next year and possibly this year to make the list openly competitive. Commissioner Hubler made a motion to approve with Commissioner Abel seconding the motion. The motion carried unanimously.

5. WASTEWATER REPORT – Lindsay King

Wastewater Treatment Plants

Both Wastewater Plants performed well in the month of November, producing a high-quality effluent. 137 million gallons was treated at the Housatonic Plant and 38 million gallons at the Beaver Brook Plant for a total of 175 million gallons. The Housatonic plants monthly average effluent nitrogen was 180 lbs./day (annual average for 2022 is 175 lbs./day and is under the 307 lb./day permit limit). The Beaverbrook Plants monthly average effluent nitrogen was 48 lbs./day (annual average for 2022 is 64 lbs./day and is under the permit limit of 94 lbs./day).

Some maintenance items were not completed due to limited staffing.

At the Housatonic Plant normal monthly maintenance was performed:

1. Installed new motor and gear box on belt filter press conveyor system
2. Replaced rotted-out conduit in grit room
3. Installed new heater in belt filter press control room

At the Beaverbrook Plant normal monthly maintenance was performed:

1. Installed new RAS pump
2. Replaced 6" water valve in control building basement

Collection System

Pump Stations

Scheduled maintenance was performed at the following pump stations: Gulf Pond and Zion Hill

Other Duties Performed:

1. Ran generators on full load at Welch's, Rock, Adams, Captains Walk, Grove, Anderson, New Haven Ave., Morningside, Watrous, Old Gate, Concord, Live Oaks, Milford Pt., Viscount, Sailors, Flax Mill, Ford, Rogers, Kinlock, Post Rd, Zion, Cricklewood, West Mayflower, Crowley, Holly, Naugatuck, and Mathew Pump Stations.
2. Cleaned wet wells at Old Field, Rose's Mill, Concord, and Flax Mill Pump Stations
3. Installed rebuilt pump at Zion Hill Road Pump Station
4. Replaced antenna for alarm system at Kinlock Pump Station
5. Cleared clogs at Watrous Lane and Cricklewood Pump Stations

There were 5 alarms at the pump stations:

- 2 for High Water
- 0 for Low Well
- 3 for Power Outage
- 0 for Station Trouble
- 0 for Pump Over Temperature
- 1 for High Channel Flow

Sewer Maintenance

Sewer Maintenance answered 7 complaints.

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

T-9, T-34, T-35, T-52, T-14, T-16, T-20, T-22, T-25, T-37, T-51, T-29, T-38, and T-42

There were sewer excavations at the following locations:

36 Jerome Lane

94 Home Acres Ave

Other duties performed were:

- 1. Cleared sewer blockage at Orange Avenue School from roots
- 2. Replaced frame and cover on Seaside Ave
- 3. Friday T-sites

A total of 9,875 ft. was jet flushed, 2,080 ft. televised, 1,450 ft. spy TV 'ed, 925 ft. hand rodded, 1,270 ft hydraulically root cut, 0 ft smoke tested, 115 ft root treated, and 0 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 has been approved for this project
- 3. Gulf Pond and West Avenue generators have gone out to bid and received a low bid of \$492,600. A soft delivery date for the generators is set for May 2023
- 4. A second bid is posted for generators at Kurk Volk, Wanda, White Oaks, Matthew, Anderson, Mayflower, Milford Point, and a portable generator. A pre-bid meeting was held on December 8th. The Milford Point and Wanda generators need to be moved outside due to space constraints inside the existing buildings. Due to flood concerns the Milford Point generator needs to be mounted on a pad about 8'high. Due to the complexities of raising the generator an engineered pad needs to be designed.

Discussion ensued regarding waiting for the full pump stations upgrade on the Milford Point, which is on the Capital Improvement Plan, and elevate everything at same time, which is more appropriate. There is a lead time up to a year to get the generator and it can be stored. Mr. King can put in a bid extension; however, he will discuss with Mr. Saley.

Wanda Avenue generator will be purchased and installed when the pump station is completely upgraded. The Wanda pump station upgrade is part of Sanitary Sewer Pump Station Upgrades #2 capital project (scheduled for fiscal year 23-24).

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 do not have a delivery date for the generator (60-week lead time) but included in the bid is a lower price for the temporary generator. The cheaper temporary generator will be installed in the next two weeks with the price decreasing from \$2,534 to \$700 per month.
4. FEMA and insurance money has already been received
5. FEMA requires the project to be completed by July 2024

6. **COMMITTEE REPORTS** - *None*

7. **OLD BUSINESS**

- a.) RFQ for On-Call Engineering Services

8. **VOTING**

- a.) Regular Meeting Minutes of November 16, 2022

Chairman Collier called for motion to approve the minutes of November 16, 2022. Commissioner Hubler made a motion to approve with Commissioner Abel 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 \$41,402.98. Commissioner Hubler made a motion to approve the payments in the amount of \$41,402.98 seconded by Commissioner Abel . The motion carried unanimously.

c.) **CHAIRMAN'S REPORT**

- a.) Administrative Approvals

Chairman Collier stated there were 10 Administrative Approvals through December 21, 2022.

d.) ADJOURN

Chairman Collier called for a motion to adjourn at 6:39 p.m. Commissioner Hubler made a motion to adjourn with Commissioner Abel seconding the motion. The motion carried unanimously.

Respectfully submitted,

Beverly A. Hayes, BS
Recording Secretary