

CITY OF MILFORD
SEWER COMMISSION REGULAR MEETING
November 16, 2022

The Sewer Commission of the City of Milford held a regular meeting on Wednesday, November 16, 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

Commissioner Tara Carroll

Others in attendance:

Christopher Saley, Director of Public Works

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

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)** - None

3. **SEWER ASSESSMENTS** - None

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

A. Gulf Pond Sanitary Pump Station Repairs

No change since last report.

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

A. **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. Resubmitted 100% Construction Documents to the City Engineer in November 2022. Project is ready to be advertised for bid once final approval from the sewer commission and the City Engineer is received.

Chairman Collier called for a motion to put out the bid for construction. Commissioner Abel made a motion with Commissioner Hubler seconding the motion. The motion carried unanimously.

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:** Discussions between the City and the Applicant continue. There is now 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.

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. Base topographic survey and wetland delineation complete.
- e. 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.
- f. 60% design documents were submitted. Comments received on 10/17/2022. Design review meeting held 10/20/22 to discuss comments.
- g. Received review comments and currently working towards 90% submittal.

6. WASTEWATER REPORT – Lindsay King

Wastewater Treatment Plants

Both Wastewater Plants performed well in the month of October, producing a high-quality effluent. 150 million gallons was treated at the Housatonic Plant and 40 million gallons at the Beaver Brook Plant for a total of 190 million gallons. The Housatonic plants monthly average effluent nitrogen was 160 lbs./day (annual average for 2022 is 164 lbs./day and is under the 307 lb./day permit limit). The Beaverbrook Plants monthly average effluent nitrogen was 32 lbs./day (annual average for 2022 is 66 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. Fixed seal water leak on grit pump, exercised grit valves and flushed lines to grit classifier
2. Ran plant generator on load
3. Installed LED lights at West Ave

At the Beaverbrook Plant normal monthly maintenance was performed:

1. Lubricated final scum pump, step screen, odor exhaust fan, RAS pump #2.

Collection System

Pump Stations

Scheduled maintenance was performed at the following pump stations: Buckingham, Morningside, Ford and White Oaks

Other Duties Performed:

1. Ran generators on full load at Old Field, Rock, Welch's, Gulf Pond, Grove, Anderson, Carriage, Milford Point, Flax Mill, Ford, Kinlock, Rogers, Viscount, sailors, Boston Post Rd., Zion, Holly, Mathew, Cricklewood, West Mayflower, Crowley and West Ave.
2. Grease odor control bearings, lube chain hoists at Gulf Pond, Welches and Rock
3. Change generator battery at Old Field
4. Grease pumps and driveshafts at Rogers and Boston Post Road
5. Cleaned wet wells at Kurk Volk, Wanda, Adams, White Oaks, West Mayflower and Concord
6. Cleared clogs at Rogers and Naugatuck Ave. Pump Station

There were 6 alarms at the pump stations:

- 0 for High Water
- 0 for Low Well
- 6 for Power Outage
- 0 for Station Trouble
- 0 for Pump Over Temperature

Sewer Maintenance

Sewer Maintenance answered 5 complaints.

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

T-6, T-11, T-17, T-26, T-32, T-48, T-49, T-44, T-29, T-38, T-42 and T-36

There were sewer excavations at the following locations:

NA

Other duties performed were:

1. Root cutting Wilcox Road
2. Replace broken manhole cover at Rt1 and Gunn St.
3. Cleared sewage backup at Orange Avenue School (backup in lateral)
4. Friday T-sites

A total of 12,210 ft. was jet flushed, 3,975 ft. televised, 1,055 ft. spy TV 'ed, 825 ft. hand rodged, 1,425 ft hydraulically root cut, 0 ft smoke tested, 640 ft root treated, and 380 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 being prepared for Kurk Volk, Wanda, White Oaks, Matthew, Anderson, Mayflower, Milford Point and a portable generator. The portable generator will be able to run the majority of the pump stations yet be sized as big as practical so we are able to pull with vehicles.

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. This is a different vendor so the expensive rental goes back and the less costly generator will be installed.
4. FEMA and insurance money has already been received
5. FEMA requires the project to be completed by July 2024

7. COMMITTEE REPORTS - None

8. OLD BUSINESS

- a.) RFQ for On-Call Engineering Services

9. VOTING

- a.) Regular Meeting Minutes of October 26, 2022

Chairman Collier called for motion to approve the minutes of October 26, 2022. Commissioner Hubler made a motion to approve with Commissioner Abel seconding the motion. The motion carried unanimously with Commissioner Carroll abstaining.

- b.) Approval of Payments

Chairman Collier called for a motion to approve the payments in the amount of \$30,794.42. Commissioner Hubler made a motion to approve the payments in the amount of \$30,794.42 seconded by Commissioner Carroll. The motion carried unanimously.

c.) CHAIRMAN'S REPORT

- a.) Administrative Approvals

Chairman Collier stated there were 15 Administrative Approvals through

November 16, 2022.

d.) ADJOURN

Chairman Collier called for a motion to adjourn at 6:15 p.m. Commissioner Hubler made a motion to adjourn with Commissioner Carroll seconding the motion. The motion carried unanimously.

Respectfully submitted,

Beverly A. Hayes, BS
Recording Secretary