

CITY OF MILFORD  
SEWER COMMISSION REGULAR MEETING  
April 27, 2022

The Sewer Commission of the City of Milford held a regular meeting on Wednesday, April 27, 2022, at 6 PM. This meeting was held by videoconference via Zoom.

The following Commissioners were in attendance:

*Chairman Edmund Collier*  
*Commissioner Edward Abel*  
*Commissioner Tara Carroll*

Others in attendance:

*Lindsay King, Wastewater*  
*Robert Tedeschi, Sewer Consultant, Weston & Sampson*  
*Beverly Hayes, Recording Secretary*

Commissioners and others not in attendance:

*Vice Chairman, Bradford Hubler*  
*Commissioner Brian Bier*  
*Christopher Saley, Director of Public Works*  
*Scott Marlow, Alderman Liaison*  
*Michelle Parente, Aldermen Liaison*

Chairman Collier called the meeting to order at 6:02 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.

**B. Lower Wepawaug “Stonebridge” Pond Sewer/Manhole Lining**

No change since last report.

5. **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. Basis of design report submitted January 24, 2022.
- c. Submitted 60% Design Drawing for review and comment on March 31, 2022, which included electrical and Instrumentation and Controls design.
- d. Submitted documents for Old Gate Lane to the CTDOT for approval.
- e. **Action Item:** Submit 90% design document to the City end of June 2022.

**2. *Collection System Flow Evaluation:***

- a. This project consisted of the development of 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. Report submitted on January 24, 2022 for review and comment.
- c. 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)
- d. **Action Item:** Receive and incorporate City comments, finalize report, and begin planning SSES activities budgeted for FY 22/23.

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

- a. Modeling results indicate that 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, modeling for the applicant's ultimate loading (at 80,000 gpd) indicates that the treatment plant 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. As currently determined from the modeling effort, these changes should consist of:
  - Addition of chemicals to the primary clarifiers to aid in the settling efficiency of the primary clarifiers as they continue to operate in a co-settling mode.
  - Addition of a new sludge dewatering rotary press and conveyor system in the existing dewatering building to accommodate the increased sludge production necessitated by the addition of the applicant's ultimate load.
- b. Weston & Sampson completed a preliminary engineering report summarizing the findings of the study which includes the improvements to the Housatonic wastewater treatment plant needed to accept the final buildout flow from the brewery, along with corresponding opinion of project cost to implement the WWTP improvements.
- c. Received and incorporated City comments, finalized report, and submitted same to the applicant on March 24, 2022.
- d. **Action:** Meet with applicant to discuss results of the assessment

**4. *Rogers Avenue Sanitary Pump Station Upgrade***

- a. Visited pumping station to compile information related to proposed pumping station improvements at the Rodgers Ave. wastewater pumping station. Upgrades to this pumping station were originally planned for 2012 but was postponed awaiting funding. The station receives approximately 10% of the City's wastewater and serves the Milford Center area.
- b. 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.
- c. Upgrades will also be made to protect against flooding during storm events.
- d. Weston & Sampson developed a detailed scope and fee proposal to implement the needed improvements which will be reviewed by the City.
- e. Weston & Sampson received authorization to proceed on April 18, 2022.
- f. Survey scheduled for June 2022

#### 6. **WASTEWATER REPORT** – Lindsay King

Mr. King following up from last month regarding the pricing of the emergency portable generator. He explained that 100 KW is approximately \$97,000 and the 200 KW is \$135,000. Commissioner Abel suggested that the State Bid list price could be lower with Mr. King agreeing, adding he just got a price from a vendor to give the Commission an approximate.

#### **Wastewater Treatment Plants**

Both Wastewater Plants performed well in the month of March, producing a high-quality effluent. 269 million gallons was treated at the Housatonic Plant and 56 million gallons at the Beaver Brook Plant for a total of 325 million gallons. The Housatonic plants monthly average effluent nitrogen was 238 lbs./day (annual average for 2022 is 242 lbs./day and is under the 307 lb./day permit limit). The Beaverbrook Plants monthly average effluent nitrogen was 189 lbs./day (annual average for 2022 is 114 lbs./day and is over the permit limit of 94 lbs./day).

At the Housatonic Plant normal monthly maintenance was performed:

1. Grit pump #2 seized up from rocks stuck in the impeller. After freeing up the pump and reinstalling it was unable to pump. Removed and installed the impeller from grit pump #1 to get pump #2 working. Grit pump #1 is currently awaiting warrantee service after the seal failed prematurely.
2. Replaced anoxic mixer gearbox on north 2-2 and sent the old gearbox out to be rebuilt
3. Replaced plant water line for belt press after a leak
4. Replaced hose on chemical metering pump for the odor control system

At the Beaverbrook Plant normal monthly maintenance was performed:

1. Drained and cleaned out Grit Chamber
2. Installed new Raw Sludge Pump #1
3. Cleaned level probes on polymer machine
4. Inspected Aeration Blower oil levels

## Meeting with DEEP

Mr. Tedeschi explained some of the activity being done already to address the high flows. The city has conducted a wastewater flow analysis which developed a subarea-by-subarea prioritized schedule for future Sanitary Sewer Evaluation Surveys (SSES) detailed investigations to identify and remove specific sources of Inflow & Infiltration (I&I). I&I is clean water leaking into the sanitary sewer system from the ground, roof leaders and sump pumps and is contributing to the high flows at the treatment plants. An annual program to remove I&I was discussed as well as the appropriate funding level. DEEP also suggested a sewer moratorium to prevent any new sewer connections, extensions, and additional flows to the plants. As both plants in Milford are well below permit limits and selling credits in the nitrogen trading program a moratorium does not seem necessary. We also discussed funding options for the SSES investigations. The SSES work would qualify for a CTDEEP Clean Water Fund Grant (55% Grant 45% local share). We ended the meeting with an agreement to keep DEEP updated on progress on the issue.

Mr. King explained that when we put the RFQ out for the Sewer Consultant, DEEP explained they require an RFQ following the DEEP format so we can be eligible for Grant Funding. Discussion ensued. Mr. Tedeschi explained the City must receive a letter of eligibility first before starting SSES work, or it is not covered by the grant.

Chairman Collier called for a motion to begin the process, so we are ready. Commissioner Abel made a motion that the City of Milford go out for RFQ for SSES Reports per the State Requirements for QBS (Qualifications Based Selection) system. The motion was seconded by Commissioner Carroll and was approved unanimously.

Mr. King suggested a committee of members of the Commission be included in the selection process, with Chairman Collier suggesting Mr. Abel & Ms. Carroll.

## Collection System

### Pump Stations

Scheduled maintenance was performed at the following pump stations: Sailors Lane, Pumpkin Delight, Live Oaks, and Carriage Drive

#### Other Duties Performed:

1. Generators were exercised on full load at West Ave, Crowley, Naugatuck, Holly, Concord, Kinlock, Flax Mill, Capt. Walk, Adams (portable), Old Field, Buckingham, Ford, Ryders Woods, Watrous, Welches, Rock, Grove, Anderson, Morningside, New Haven, Roses Mill, Old Gate, Viscount, Milford Pt, Rogers, Post Road, Zion Hill, Cricklewood, West Mayflower, Sailors, and Mathew Pump Stations
2. Cleaned wet wells at Crowley, Naugatuck, Adams, Old Field, Ryders Woods, and Watrous
3. Cleared clogged pumps at Watrous and Rogers
4. The automatic transfer switch at Carriage Drive was not flipping back from generator to line power automatically and must be done manually. We are looking into a replacement transfer switch

5. A magnetic pickup was replaced on the Rose's Mill generator, but the generator continued shutting down on overspeed alarm. A bad fuel pump (obsolete part) as well as a possible bad piston ring were identified as the problem. The generator is a 25-kw installed in 1989.
6. Currently Adams is still hooked up to a portable generator waiting for a permanent generator replacement. Wanda, Kurt Volk, and White Oaks are also without permanent generators.

There were 5 alarms at the pump stations:

3 for High Wet-well

1 for Low Air

1 for low coolant level at Concord

### **Sewer Maintenance**

Sewer Maintenance answered 5 complaints.

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

T-7, T-8, and T-9

Carry over T-sites T-6, T-3, T-37, and T-51.

There were sewer excavations at the following locations:

159-161 High Street (disconnect sanitary lateral for demolition)

Other duties performed were:

1. Cleared main line blockages at Spindrift (no sewage left manhole), Woodmont Road and Ingersol
2. Cleared easements at Carmen Road, Swanson Dr., Grinnel
3. Street, Ct Post Mall easement and Ingersol.
4. Friday T-sites

A total of 11,450 ft. was jet flushed, 3,050 ft. televised, 1,675 ft. spy TV 'ed, 990 ft. hand rodded, 1,620 ft hydraulically root cut, 0 ft smoke tested, 440 ft root treated, and 0 ft. dye tested.

### **7. COMMITTEE REPORTS - None**

### **8. OLD BUSINESS - None**

### **9. VOTING**

a.) Regular Meeting Minutes of March 23, 2022

Chairman Collier called for motion to approve the minutes of March 23, 2022.  
Commissioner Abel made a motion to approve the Regular Meeting Minutes of March 23, 2022, with Commissioner Carroll seconding the motion.

b.) Approval of Payments

Chairman Collier called for a motion to approve the payments in the amount of \$39,779.51. Commissioner Abel made a motion to approve the payments in the amount of \$39,779.51 seconded by Commissioner Carroll. The motion carried unanimously.

**10. CHAIRMAN'S REPORT**

a.) Administrative Approvals

Chairman Collier stated there were 22 Administrative Approvals through April 27, 2022. He went on to explain that these are under the allowable flows per the Sewer Commission.

**11. ADJOURN**

Chairman Collier called for a motion to adjourn at 6:23 p.m. Commissioner Abel made a motion to adjourn with Commissioner Carroll seconding the motion. The motion carried unanimously.

Respectfully submitted,

---

Beverly A. Hayes, BS  
Recording Secretary