

CITY OF MILFORD
SEWER COMMISSION REGULAR MEETING
January 26, 2022

The Sewer Commission of the City of Milford held a regular meeting on Wednesday, January 26, 2022, at 6 PM. This meeting was held by videoconference via Zoom.

The following Commissioners were in attendance:

Chairman Edmund Collier
Vice Chairman, Vacant
Commissioner Edward Abel
Commissioner Tara Carroll
Commissioner Bradford Hubler

Others in attendance:

Lindsay King, Wastewater
Christopher Saley, Director of Public Works
Robert Tedeschi, Sewer Consultant, Weston & Sampson
Beverly Hayes, Recording Secretary
Michelle Parente, Aldermen Liaison

Commissioners and others not in attendance:

Commissioner Brian Bier
Scott Marlow, Alderman Liaison

Chairman Collier called the meeting to order at 6:00 pm. Chairman Collier turned the meeting over the Secretary for nomination of Chairman.

1. ELECTION OF OFFICERS

Beverly Hayes asked for a nomination for Chairman. Commissioner Hubler made a motion to elect Ned Collier as Chairman. Commissioner Carroll seconded the motion. Hearing no other nominations, the motion passed unanimously. The meeting was turned over to the Chairman.

Chairman Collier asked for a nomination for Vice-Chairman. Chairman Collier made a motion to elect Brad Hubler as the Vice-Chairman. Commissioner Abel seconded the motion. hearing no other nominations, the motion passed unanimously.

2. 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.

3. APPLICATIONS (PETITIONS) - None

4. **TABLED APPLICATIONS**

- a.) 765 Boston Post Road - Application for restaurant and nail salon/spa where the proposed flow exceeds the allowable flow.

Atty. Tom Lynch explained that this property is under contract for sale and was presented to the Commission in December 2021 where the applicant was requested that he depict the seasonal seating on the decking and interior seating. They have submitted this with 45 seats inside and 16 seasonal on the decking for a total of 61 seats. He referenced the revised application which eliminates 3 pedicure stations. They have reduced their proposed gallonage by 342 GPD. Mr. Tedeschi explained that the 1400 gpd over the allowed 990 is a negligible amount, however, explained that a facilities plan needs to be done to address future growth, which L. King agreed as well, adding there is no reason to single out a particular application. C. Saley wanted the Commission to understand the concern regarding proposed high water uses and that this not become a precedent for approvals. Charles Moyher, applicant explained that he did provide water records from similar business these applicants own, and the water use was not as high as the proposed calculation, and it is same equipment for the kitchen use. Commissioner Abel referenced the DEEP Regulation for capacity at the plants and where we are.

Chairman Collier called for a motion. Motion to approve by Commissioner Hubler seconded by Commissioner Abel. The motion carried unanimously.

5. **SEWER ASSESSMENTS** - None

6. **WESTCOTT & MAPES, INC.** – Report from Mark Davis – presented by Lindsay King

A. Gulf Pond Sanitary Pump Station Repairs

The 3 correctly sized hand-wheels for the new 18-inch suction valves have been received and installed by the Contractor, Kovacs Construction Corp. This completes work at the pump station. The warranty period for the project continues through December 15, 2022.

The Contractor's Application for Payment No. 6 in the amount of \$16,438.21 is for completion of the outstanding work and reduction of their retainage. The Payment Application has been reviewed and certified by W&M, and approval of the payment is recommended.

B. Lower Wepawaug "Stonebridge" Pond Sewer/Manhole Lining

No change since last report.

7. **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. Base mapping completed at each station
 - c. Submitted 30% design drawings for review and comments. Received comments and incorporating same into 60% design submission scheduled for March 2022. Submitted Basis of design report for review.
- 2. Collection System Flow Evaluation:
 - a. This project consists of the development of a subarea-by-subarea 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. This evaluation utilizes available pumping station flow data, pump motor run-time meter data, water consumption data from the Regional Water Authority, and the City's GIS access database.
 - i. Tabulated and processed multiple years of pump motor run-time meter data, from paper format, for each of the wastewater into Excel files.
 - ii. Reviewed water consumption data from the Regional Water Authority. This data is being compared to the pump station run time meter data.
 - iii. Developed subsystem mapping based on pump station sewer shed areas.
 - iv. Received revised data on 12/10/2021 from RWA and currently incorporating the data into the on-going analyses
 - v. Report submitted on January 24, 2022 for review and comment.
- 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 is currently working on preliminary engineering of the identified improvements so that opinions of cost for the needed improvements can be provided to the Commission

Discussion ensued regarding the cost of these upgrades as the applicant had indicated they would contribute financially to the improvements. Also Mr. Saley requested that Mr. King get the average daily flow going into this plant over the past 5 years and then look at the cost of the proposed improvements needed. Mr. King will have the information for the next meeting. Mr. Saley added that there was water leak at the 70 West River Street building to the tune of approximately 27,000 GPD which ended up getting into the manhole explaining the Inflow & Infiltration may be a bigger issue.

4. 2022 Sanitary Sewer Construction Projects Pre-Qualification RFQ

- a. Weston & Sampson reviewed the fourteen (14) submittal responses to the 2022 Sanitary Sewer Construction Projects Pre-Qualification RFQ.
- b. Review Summary Sheet completed and submitted to the City
- c. Of the 14 submittals:
 - i. 13 are capable of performing only sanitary sewer (pipeline) work
 - ii. 1 is capable of performing only wastewater pumping station work
 - iii. 2 are capable of performing both types of services
- d. Discrepancies (missing information) with the reviewed submittals were noted in the footnotes to the summary sheet.
- e. Based upon our review of the submitted materials, Weston & Sampson sees no reason to exclude any of the firms listed in the summary sheet from bidding on 2022 Sewer Commission work.
- f. Weston & Sampson recommends that Bidders with noted discrepancies in their submittal be asked to submit their missing information prior to entering into a Contract with the City.

Commissioner Hubler made a motion to approve the list of Pre-Qualified Contractors with Commissioner Abel seconding the motion. The motion carried unanimously.

5. Rogers Avenue Sanitary Pump Station Upgrade

- a. Visited pumping station to compile information related to proposed pumping station improvements at the Rodgers Ave. 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.
- c. Upgrades will also be made to protect against flooding during storm events.

8. **WASTEWATER REPORT** – Lindsay King

Wastewater Treatment Plants

Both Wastewater Plants performed well in the month of December, producing a high-quality effluent. 215 million gallons was treated at the Housatonic Plant and 45 million gallons at the Beaverbrook Plant for a total of 260 million gallons. The Housatonic plants monthly average effluent nitrogen was 174 lbs./day (annual average for 2021 is 199 lbs./day and is under the 307 lb./day permit limit). The Beaverbrook Plant monthly average effluent nitrogen was 58 lbs./day (annual average for 2021 is 56 lbs./day and is under the permit limit of 94 lbs./day).

At the Housatonic Plant normal monthly maintenance was performed:

- 1. Drained and cleaned grit chamber #1. Measured and ordered chains and sprockets to replace worn components.

2. Secondary clarifier #5 drive repair completed, and the tank is back online. The drive was originally scheduled for a rebuild but once taken apart it was discovered the drive needed replacement. The tank had been offline for about a year.
3. Troubleshoot and fix the new rooftop units on solid handling building.
4. Replaced failed micro-c pump (carbon source for denitrification)

At the Beaverbrook Plant normal monthly maintenance was performed:

1. Adjusted the belt filter feed box and belt to correct a wrinkle in the new belt.
2. Repaired a bad vibration sensor on activated sludge blower #2
3. Replaced broken gear on primary sludge tank flite system

Collection System

Pump Stations

Scheduled maintenance was performed at the following pump station: West Mayflower Pump Stations

Other Duties Performed:

1. Generators were exercised on full load at Welches, Rock, Anderson, New Haven Avenue, Zion Hill, Carriage, Morningside, Old Gate, Milford Point, Mayflower, Rogers, Viscount, Live Oaks, Naugatuck, Holly St, Cricklewood, Kinlock, Watrous, Captains Walk, Adams, Mathew, Old Field, Buckingham, Flax Mill and Ryders Woods Pump Stations
2. Met with United Illuminating to discuss the potential for rolling blackouts during periods of high electricity demand. United Illuminating thinks this might be necessary if we have extended cold periods. We can expect to have no power for four-hour blocks if this happens.
3. Replaced air filter at Welches Point PS odor control system
4. Cleared clogs in pump at Morningside, and Gulf Pond Oxygen Pumps

There were 5 alarms at the pump stations:

- 0 for Power Outage
- 4 for High Wet-well
- 0 for Control Power
- 1 for Station Trouble
- 0 for Over-temperature
- 0 for Low wet-well level

Sewer Maintenance

Sewer Maintenance answered 6 complaints.

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

T-12, T-14 and T-39 and carry over T-sites T-35 and T-17.

There were sewer excavations at the following locations:

- #2 Belfast Road
- #477 Milford Point Road

Other duties performed were:

1. Investigated easement from Brewster to Watrous Lane for Watrous Pump Station upgrade
2. CCTV, jet-rod and root cut Northwood Street and Hackett Street
3. Friday T-sites

A total of 11,410 ft. was jet flushed, 4,650 ft. televised, 1,995 ft. spy TV 'ed, 870 ft. hand rodded, 1,405 ft hydraulically root cut, 0 ft smoke tested, 320 ft root treated, and 0 ft. dye tested.

Mr. King added that he met with UI regarding rolling blackouts due to shortage of natural gas to run the plants of up to 4 hours at a clip. There are lots of Pump Stations that are run on generators when this happens, however, he does prepare by testing the generators to make sure they are working properly in anticipation of this.

8. COMMITTEE REPORTS - None

9. OLD BUSINESS - None

10. VOTING

a.) Regular Meeting Minutes of December 15, 2021

Commissioner Hubler made a motion to approve the Regular Meeting Minutes of December 15, 2021, with Commissioner Abel seconding the motion. The motion carried with Commissioner Carroll abstaining.

b.) Approval of Payments

Chairman Collier called for a motion to approve the payments in the amount of \$38,773.71. Commissioner Hubler made a motion to approve the payments in the amount of \$ 38,773.71 seconded by Commissioner Carroll. The motion carried unanimously.

11. CHAIRMAN'S REPORT

a.) Administrative Approvals

Chairman Collier stated there were 19 Administrative Approvals through January 26, 2022

12. ADJOURN

Chairman Collier called for a motion to adjourn at 6:47 p.m. Commissioner Carroll made a motion to adjourn with Commissioner Hubler seconding the motion. The motion carried unanimously.

Respectfully submitted,

Beverly A. Hayes, BS
Recording Secretary