

CITY OF MILFORD
SEWER COMMISSION REGULAR MEETING
December 20, 2023

The Sewer Commission of the City of Milford held a regular meeting on Wednesday, December 20, 2023, at 6 PM. This meeting was held by videoconference via Zoom.

The following Commissioners were in attendance:

Vice Chairman, Bradford Hubler

Commissioner Edward Abel

Commissioner Alexander J. Armstrong

Commissioner Tara Carroll

Others in attendance:

Lindsay King, Wastewater

Robert Tedeschi, Sewer Consultant, Weston & Sampson

Beverly Hayes, Recording Secretary

Andy Fowler, Alderman Liaison

Commissioners and others not in attendance:

Chairman Edmund Collier

Christopher Saley, Director of Public Works

Jennifer Federico, Aldermen Liaison

Vice Chairman Hubler 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. **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. VMS was awarded the contract and will begin work in early 2024. There are 52 shop drawings that have been processed to date.

B. Rogers Avenue Sanitary Pump Station Upgrade:

1. The Sewer Commission awarded the project to Kovacs Construction. Issued a Notice to Proceed to the Contractor on 11/13/2023. A Preconstruction meeting was held on 12/13/2023. Received and processing long lead time item (generator, etc.) shop drawings.

2.

C. Housatonic WWTP Upgrades: Athletic Brewing Co.:

1. Received CTDEEP approval to use Aluminum Chlorohydrate for enhanced solids removal.
2. Project advertised for bid on 11/17/2023. Pre-proposal meeting held on 12/5/2023. Bids will be due to the Purchasing office on 1/10/2024.

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 180 day moving average daily flow at the Housatonic WWTP had previously exceeded 90% of the design flow rate requiring the City to develop a plan to accommodate future increases in flow to the plant. Met with CTDEEP on March 29, 2023 to discuss options for addressing the need to reduce infiltration and inflow to both treatment plants to reduce the 180 day moving average daily flow.
3. City is moving forward with CIPP lining of sewers within the Boston Post Road Area and plans to implement a prioritized SSES program.
4. The City has advertised an RFQ to solicit qualification statements from Engineering firms to conduct an evaluation of the city's wastewater collection system.
5. Received request from CTDEEP for update as to efforts regarding removal of I/I from the collection system. City is preparing response.

4. WASTEWATER REPORT – Lindsay King

Both Wastewater Plants performed well in the month of November, producing high-quality effluent. 193 million gallons were treated at the Housatonic Plant and 59 million gallons at the Beaver Brook Plant for a total of 252 million gallons. The Housatonic plants monthly average effluent nitrogen was 149 lbs./day (annual average for 2023 is 179 lbs./day and is under the 307 lb./day permit limit). The Beaverbrook Plants monthly average effluent nitrogen was 49 lbs./day (annual average for 2023 is 57 lbs./day and is under the permit limit of 94 lbs./day).

At the Housatonic Plant normal monthly maintenance was performed:

1. Installed new sprockets and chain on the west grit chamber.
2. Replaced hydraulic line on belt filter press #2
3. Fixed four oil leaks on ultraviolet cleaning system.
4. Replaced worn and leaking 4-inch pipe on grit system.
5. Rebuilt heat re-circulation pump in main control building.
6. Restored power to south aeration tank air valve after repairing faulty switch.

At the Beaverbrook Plant normal monthly maintenance was performed:

1. Removed and sent out RAS pump #1 to repair a failed bearing.
2. Troubleshoot and repair steam boiler #1 and flush system to get the heat working in main control building.

Pump Stations

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

Other Duties Performed:

1. Ran generators on full load at Welches, Rock, Old Gate, Flax Mill, Ford, Kinlock, Adams, Old Field, Cascade, Watrous, Holly, Concord, Naugatuck, Post Road, Zion Hill, West Mayflower, Mathews, Viscount, Sailors, and Roger's pump stations.
2. Grinders went into fault at Welches Point. The batteries in the control panel needed to be replaced.
3. Old Gate Lane PS has a hole in the side of a check valve. Investigating a temporary repair since the pump station upgrade is underway.
4. Replaced a 5 hp pump with a 10 hp pump at Kurk Volk PS. The station is having difficulty handling high flows during heavy rains.
5. Waiting for the delivery of a new jockey pump at West Mayflower. The existing pump has a seal failure and is worn out beyond the point of repair.
6. Cleared clogs at Rogers Avenue (4x), New Haven Ave and Watrous Pump Stations

There were 5 alarms at the pump stations:

- 1 for Power Outage
- 3 for High Wet Well
- 1 for Check Valve Fail

Sewer Maintenance

Sewer Maintenance answered 3 complaints.

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

T-09, T-16, T-25, T-35, T-14, T-51, T-48, T-49, T-20, T-22, T-34, T-37, T-29, T-38, and T-42

There was a sewer excavation at the following location:

29 Revere Place

3rd Ave – Force Main Break from Milford Point Pump Station – there was a crack in the cast iron pipe

Other duties performed were:

1. Raised manholes for milling and paving city streets.
2. Jet-rodde inverted siphons at Pond Point Ave, New Haven Ave, and North Street
3. Replaced broken manhole frames at Woodruff (x2) and Bolt Lane
4. Friday T-sites

A total of 13,410 ft. was jet flushed, 5,475 ft. televised, 2,840 ft. spy TV 'ed, 110 ft. hand rodded, 1,725 ft hydraulically root cut, and 430 ft root treated.

American Rescue Plan Act – Wastewater Pump Station Emergency Generators

1. This ARPA funded project consists of replacing emergency generators at multiple wastewater pump stations. \$1,504,000 is approved for this project. Gulf Pond and West Avenue generators have gone out to bid and received a low bid of \$492,600.
2. The new generator is being installed at West Ave Pump Station. A temporary backup generator is connected during construction. The contractor will run a load test shortly to complete construction. The Gulf Pond generator replacement will start after West Ave. is installed and tested. Waiting for the final hookup but cannot do till flows go down.
3. 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 for the long lead time for the generators; no delivery date has been set yet.

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 are currently waiting for an update on delivery of the generator that has gone beyond the 60-week lead time.
4. FEMA and insurance money have already been received.
5. FEMA requires the project to be completed by July 2024

5. 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 used closed circuit television inspection to identify leaks and propose a pipelining project to eliminate them. Specifications, mapping, closed circuit television inspection and associated reports have been submitted to purchasing and a bid is currently being prepared by Wescott and Mapes. The intent of the bid is to have on-call pipe-lining contractors that can be used for this and future projects.
- 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 CT-DEEP Clean Water Fund Grant (55% Grant 45% local share). A bid requesting qualifications for engineering services related to SSES work has been completed and two firms responded to the RFQ.
- d.) Action: The committee, consisting of Justin Rosen, Chief of Staff, Edward Abel, Sewer Commission Board Member, and Mr. King, interviewed the candidates on 12/12/2023 and forwarded a recommendation to the Sewer Commission.

Vice Chairman Hubler called for a motion to award the contract for the Inflow and Infiltration Evaluation Study to Weston & Sampson per the recommendation of the Interview Panel, memo dated 12/12/2023. Commissioner Armstrong made a motion to approve with Commissioner Carroll seconding the motion. The motion carried unanimously.

6. **OLD BUSINESS** - None

7. **NEW BUSINESS** - None

8. **VOTING**

a.) Regular Meeting Minutes of November 15, 2023

Vice Chairman Hubler called for motion to approve the Regular Meeting minutes of November 15, 2023. Commissioner Abel made a motion to approve with Commissioner Carroll seconding the motion. The motion was carried with Commissioner Armstrong abstaining.

b.) Approval of Payments

Vice Chairman Hubler called for a motion to approve the payments in the amount of \$3,270.00 Commissioner Armstrong made a motion to approve the payments in the amount of \$3,270.00 with Commissioner Carroll seconding the motion. The motion carried unanimously.

9. **CHAIRMAN'S REPORT**

a.) Administrative Approvals

Vice Chairman Hubler stated there were 12 Administrative Approvals through December 20, 2023.

10. **ADJOURN**

Vice Chairman Hubler called for a motion to adjourn at 6:16 p.m. Commissioner Armstrong made a motion to adjourn with Commissioner Carroll seconding the motion. The motion carried unanimously.

Respectfully submitted,

Beverly A. Hayes, BS
Recording Secretary