



**TOWN OF PLYMOUTH
WATER POLLUTION CONTROL AUTHORITY
80 MAIN STREET
TERRYVILLE, CT 06786**

PLYMOUTH, CT
TOWN CLERK'S OFFICE
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Linda Fencate
TOWN CLERK

The Regular Meeting of the Water Pollution Control Authority was held on Monday November 18, 2024, at 7:00 PM in the training room of the facility at 35 Canal Street, Pequabuck, CT.

PRESENT: Regular Members

George Andrews JR. Chair
James Maloney, Vice Chair
Philip Armbruster, Secretary
Peter Giancesini
John Murphy
Alternate Member- Scott Gray

OTHERS IN ATTENDANCE:

Plant Manager – Jason Patrick
Assistant Plant Manager- Ryan Wells
Recording Secretary- Heather Dell'Aera
Public- Christine Kurtz (Wright Pierce), Melanie Church

1. Call to Order:

The meeting was called to order by Chairman Andrews at 7:00p.m.

2. Roll Call Attendance:

Chairman Andrews took roll call attendance.

3. Acceptance of Minutes:

a. Regular Meeting Minutes- September 16th, 2024:

Upon a motion made by Mr. Giancesini and seconded by Mr. Armbruster, it was VOTED: To approve the Regular Meeting Minutes of September 16th, 2024, Roll call was taken, and the motion passed, with Mr. Murphy abstaining.

b. Regular Meeting Minutes- October 21st, 2024:

Upon a motion made by Mr. Maloney and seconded by Mr. Murphy, it was VOTED: To approve the Regular Meeting Minutes of October 21st, 2024, Roll call was taken, and the motion passed unanimously

4. Bills and Communications:

a. Review & Approval of WPCA Monthly Bills for October 2024:

Upon a motion made by Mr. Murphy and seconded by Mr. Maloney, it was VOTED: To approve WPCA monthly bills for October 2024 Roll call was taken and the motion passed unanimously.

5. Report of Officers and Committees:**a. Report of the Plant Manager & Assistant Plant Manager:****Monthly Operating Report for October 2024-**

Plant Manager Mr. Patrick reported:

- We had one violation in October 2024 for low pH. Our permit limit for pH is between 6 & 9. We recorded a pH of 5.7 on 10/11/2024
- We do struggle with lower pH in our effluent due to the lack of Denitrification (which would add alkalinity). Also, during the phosphorus season. We add PAC (Polyaluminum Chloride) which is acidic and lowers the pH.
- We run Caustic (Sodium Hydroxide) when needed to try to ensure that we maintain our permit limit for pH.

Average monthly flow for October 2024 was 1.211 MGD, with a max flow of 1.386 MGD. Currently we are down 1.1 MGD

Total Nitrogen for September averaged 164 pounds/day. Our discharge limit is 42 pounds/day.

Phosphorus-

- October 2024, we averaged 0.44 mg/l, and averaged 4.42 pounds/ day for the month. Our seasonal limit is 4.38 pounds/ day and after 6 months we are averaging 5.69 pounds/day

Sludge-

- We hauled out 30 tankers for the month of October with an average of 3.1% solids. This equaled 25.2 dry tons (50,415 pounds).
- We usually schedule Tankers for Tuesday and Thursday. October had five (5) Tuesdays and Thursdays for the month.

Plant Efficiency, % Removal

- September
BOD = 96%
SS = 99% removal

:

Manhole Project – Allen, Tunnell and Scott Rd-

Prime electric raised all 11 manholes on Allen Street, two (2) out of the four (4) on Tunnel Rd. and two (2) manholes on Scott Rd. The public works is covering the cost of all the manholes except the two (2) on Scott Rd. The last manhole on Tunnel likely won't be completed till next year.

Pump Station #1 Check Valves-

We were having issues with one of the valves sticking, causing longer pump times. These valves are from the 2002 upgrade. We have two (2) new valves ready to go in. When we tested the isolation valves (knife gate valves) they will not function so we will need to replace those as well.

Assistant Plant Manager Mr. Wells reported:

- On Wednesday, November 6th, 2024, Plant personnel was using the GPS wand to locate and mark manholes for the Diamond Mapping System. As they entered Lassy Court (2nd attempt) they smelled sewage. They discovered that a manhole in the easement was trickling sewage from the base of the set. They determined the stoppage was 493ft

downstream from the cul-de-sac. At this time Zack Morin from Three Leaf Construction noticed the commotion and offered to clear a path free of charge so the crew could obtain access to the blocked manhole, he cleared about 411 feet of brush. This gave the crew access, and they pulled a jet hose 411 feet to the 2nd manhole to jet downstream (Jetted a total of 836ft). Cleared the blockage. A brief discussion ensued. Mr. Wells will discuss clearing dense easements with Zack and get a quote for the work.

5b. Report of the Secretary: No report

5c. Comments from the Council Liaison: Not present

5d. Energy Conversation Issues: None at this time.

5e. Capital Improvements Projects: None at this time.

6. Old Business:

6a. Follow up discussion, Wright-Pierce Phosphorus Upgrade/ Nutrient Enhancements:

- Ms. Christine Kurtz reported- Adding onto the pervious conversation about clearing the easements, she said it would be beneficial for the I&I study because they may need to place meters on some of the manholes that are in the area where there is dense brush.
- Last week there was a meeting with Mr. George Andrews, Mr. Jason Partick & Ms. Christine Kurtz with DEEP regarding the Phosphorus upgrade. Deep had come back with comments about the agreement. She stated that with the previous agreement Deep had concerns with doing an evaluation and design work in the same agreement. Christine passed out a revised agreement. Which included the I&I, Flows and Loads analysis and the solids handling evaluation. This allows them to alter the recommendations as needed for the path moving forward. Deep agreed to this. When Wright Pierce was hired under the RFQ process they were hired to look at phosphorus removal. The excess flows are a unforeseen condition during the construction, Deep is allowing us to do the evaluation work under the same qualifications package by approaching it this way. A brief discussion ensued. Christine also discussed the proposed timeline; we are looking at starting in the Spring. The meters are placed for 10-12 weeks. Once the information is collected then they can start design (expected Fall) and then construction (expected 2027). A brief discussion ensued.

Upon a motion made by Mr. Maloney and seconded by Mr. Murphy it was VOTED: to approve Amendment No.1 Agreement Between Town of Plymouth and Wright Pierce for Water Pollution Control Facility Phosphorus Removal Evaluation totaling \$369,281.00. Roll call was taken and the motion passed unanimously.

6b. Follow Up Discussion South Street Force Main Lining:

Mr. Patrick reported- We are wrapping up this project. We have Laydon Construction coming out next week to pave the 2 patches. Currently our total cost including the paving is \$216,094.17 on top of that we will have to pay for traffic control for the day and painting the lines on the road. We are looking to have it completed by next month.

6c. Follow up Discussion – South Street Odors:

Mr. Patrick reported- Insituform cleaned the upper portion of the force main on November 12th. They were able to jet and TV approximately 700'. Talking with residents, there are still odors. We are looking into options for chemical treatment that will eliminate the odors and deterioration in this area.

6d. Follow up Discussion- Scott Road- 60 Unit Development:

Mr. Patrick reported- There has not been any new information on this project. The entire sewer on 9 Scott Road was reinspected on October 8th, 2024. Jason has received a full report including TV inspection of the entire system. He reviewed the missing sections of video footage and other than one sewer main containing some debris, everything looked good. The engineering firm that reinspected the sewer also commented on Wright Pierce's report, agreeing with their comments.

Next, we will work on the maintenance agreement which is required as part of community sewer system. (Connecticut state statute) We do have an agreement from 2009 that should be able to be used with some minor changes.

7. New Business:**a. Discussion- DEEP Inspection 9/13/2024:**

See Attachment:

b. Discussion & Voting- Wright Pierce I&I Study:

This agenda item was discussed and voted upon during agenda item 6a.

c. Discussion – 2025 Operating Budget Report:

Mr. Patrick reported- A copy of the budget was in the packet. The budget is doing well, we have a couple of projects we are looking at doing. Some of the pump stations will have pump swaps but nothing out of the ordinary to report.

d. Discussion- Rate Book Report October 2024- NW Mutual Statement October 2024:

A brief discussion ensued regarding the status of Northwest Mutual. The current collection rate is at 52.50% for the month of October 2024.

8. Public Comment: Melanie Church 328 Main St- Terryville commented- Wanted to inform the board that the new condo complex on Scott Rd had a change to some of the units from 2 stories to single stories. She also stated that the builder of those condos is also purchasing Prospect St School and renting them as section 8 apartments. A small discussion ensued. Ms. Church also questioned if there was sewer on Agney Ave. because they are reconfiguring the road to add apartments and shops. A brief discussion ensued, and it was confirmed there was sewer in that area.

9. Other Business: None at this time

10. Adjournment: Upon a motion made by Mr. Murphy and seconded by Mr. Maloney, it was: VOTED: To adjourn at 8:00pm. Roll call vote was taken, and the motion passed unanimously.

A handwritten signature in black ink, appearing to read "Heather Dell'Aera". The signature is fluid and cursive, with the first name "Heather" and last name "Dell'Aera" clearly distinguishable.

Heather Dell'Aera
Recording Secretary

Attachments:
DEEP Inspection

Plymouth WPCA Board Meeting

11/18/2024

DEEP Inspection

On September 13th 2024, Susan Unger from CT DEEP stopped by for an inspection of our facility. We handed out the report this evening. I believe the inspection went very well. I have taken care of all the minor items on the report such as

- Calibrations
- Corrected all state reports
- Corrected lab bench sheets
- Notified our contracted lab of missing paper work (ATMR) and corrected minimum detection limits

The bigger items are going to be a little harder to take care of. We have a secondary clarifier offline because the drain valve is leaking. We had a company out last week to evaluate and come up with a solution.

Also both primary tanks are in need of new wear strips and both have had the baffles removed. I am hoping to be able to take care of the secondary clarifier and one primary tank this year.

Jason W. Patrick

WPCA Plant Manager