



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

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The Regular Meeting of the Water Pollution Control Authority was held on Monday February 24, 2025, at 7:00 PM in the training room of the facility at 35 Canal Street, Pequabuck, CT.

PRESENT: Regular Members

George Andrews JR. Chairman
James Maloney, Vice Chairman
Peter Giancesini
John Murphy
Scott Gray

OTHERS IN ATTENDANCE:

Plant Manager – Jason Patrick
Assistant Plant Manager- Ryan Wells
Recording Secretary- Heather Dell'Aera
Public- Christine Kurtz (Wright-Pierce) Melaine 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- January 27, 2025:

Upon a motion made by Mr. Murphy and seconded by Mr. Maloney, it was VOTED: To approve the Regular Meeting Minutes of January 27, 2025 as amended, Roll call was taken, Mr. Gray abstained and the motion passed.

4. Bills and Communications:

a. Review & Approval of WPCA Monthly Bills for January 2025:

Upon a motion made by Mr. Murphy and seconded by Mr. Maloney, it was VOTED: To approve WPCA monthly bills for January 2025 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 January 2025-

Plant Manager Mr. Patrick reported:

- We had one violation on our January 2025 state report. We exceeded both our average effluent zinc permit limit for the second month in a row.
- We averaged 0.321 kg/day for zinc and our permit limit is 0.304 kg/day. Last month we averaged 0.314 kg/day for zinc.
- Copper and zinc are both limits that we have occasionally exceeded in the past (Average only not Max)
- Copper and zinc most commonly enter water supplies through the corrosion of plumbing materials like copper pipes and brass fixtures within homes

Flow-

- Average monthly flow for January 2025 was 1.433 MGD, with a max flow of 1.646 MGD.
- We have had a drop in flow for February. We were averaging about 1.2 MGD and the flow dropped to 0.85 MGD and has been consistent for the last week.
- We are still investigating exactly why this happened. The flow meter appears to be reading the correct level, but we are scheduling Neponset Controls to come out to check and calibrate the meter.
- We also inspected all major easements to check for any manhole surcharging.
- One thought is, we did lose power a couple times last weekend during the snow / ice storm. This caused our screw pumps to turn off, which resulted in spike of flows around 5000 gpm when they were turned back on.
- Possibly something could have been stuck in the flume that caused a higher reading, that cleared out during high flows from the power outages.
- We visually inspect the parshall flume every day, but it is located about 10' below ground level. We are looking into a long-handled mop we can use to clean the flume on a regular basis.
- December 2024 was 1.348 MGD with a max flow of 1.617 MGD
- November's flow was 1.174 MGD with a max flow of 1.268 MGD
- Plant is designed for 1.75 MGD

Total Nitrogen for January 2025 averaged 169 pounds/day.

December averaged 208 pounds/day. Our discharge limit is 42 pounds/day.

Sludge-

- We hauled out 20 tankers for the month of January with an average of 2.5% solids. This equaled 12.3 dry tons.

Plant Efficiency, % Removal

BOD = 94%

SS = 94% removal

Permit limit is 85%

Pump Station 1 – Valve Replacement -

We changed out both knife gate isolation valves and both check valves at station #1. Eastern Water performed the work. The check valves at station #1 were sticking causing reduced pumping rates at the station. The valves that were swapped out were original from the 2002 upgrade. We also got station #1 wet well cleaned out, because we needed to have a septic truck to drain the main force.

Labor- \$4,500

Vac Truck- \$1,700

Sludge Pump VFD-

One of the VFD's on our sludge pumps has failed. We do have a spare VFD on a pump we are not using. It was tested and works. Horton Electric has started to make the swap.

5b. Report of the Secretary: Not present

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 / Infiltration Study:

Mr. Patrick and Ms. Kurtz reported- We have started the I & I study. Wright Pierce has chosen 14 locations for flow meters to be installed. We have been working with Flow Assessment Services installing flow meters into those manholes. We currently have 2 meters installed. There are a few on Route 6 that will require a DOT permit. The permit application was submitted for those locations.

There will also be two rain gauges, located at Fall Mountain Lake and Lake Plymouth.

6b. Follow Up Discussion – Wright-Pierce Phosphorus Upgrade/ CDS Funding:

Mr. Patrick and Ms. Kurtz reported- We had another meeting with the EPA and CT DEEP on February 19th 2025. We were informed that the RFQ we submitted is outdate for the EPA to accept. This RFQ is from 2016, and the EPA also believes that the RFQ is also geared more towards planning and not designed work. It was discussed that even though this is acceptable for CT DEEP, the EPA has different guidelines.

We resubmitted another RFQ from the Town regarding on-call engineering services. This was completed in 2023, and we are hoping we can provide enough documentation where this would be accepted by the EPA. Worst case scenario, we would not be allowed to use the CDS funds for phosphorus design work, unless we go out with another RFQ and select an engineering firm. We would then have to use these funds for construction or another wastewater project. A brief discussion ensued.

I & I Study = \$369,281 (\$320,000 ARPA) = WPCA Cost \$49,281

Phosphorus Design = was \$1,257,366 but now I/I, Sludge Evaluation and Flow & Loads study has been removed

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

Mr. Patrick reported- No new updates - The force main lining project is 99% complete. Both patches are paved to DOT Standards. The only thing left is to repaint the road lines. The current cost is \$217,352.17.

6c. Follow up Discussion – South Street Odors:

Mr. Patrick reported- We are onto our third chemical trial. We started dosing Bioxide today. The Rep from Xylem lent us a H₂S meter which we installed in the Force main discharge manhole on Wednesday, 02/19/2025. The plan is to have the meter record with no chemical addition. Then dose a couple days at 6gpd, bump it up to 12gpd and gradually increase to every couple days, to see what the optimal dose is. This is a very popular chemical and it is used by many facilities to treat odors.

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

Mr. Patrick reported- There has not been any new information on this project.

7. New Business:

a. Discussion - 30 South Street Multi-Unit Development

Mr. Patrick reported- There are plans in the works for another multi-unit development. It is a 15-unit development that will be located at 30 South Street. He's has not seen the plans for the sewer yet, but was told it does include a low-pressure pumping system. We are now looking at several of these developments (Scott Rd, Prospect School, High Street and now South Street)

Jason went through some files to investigate how other larger projects were handled in the past. I have written up a list of possible requirements for these larger developments, depending on the complexity of the sewer design and installation. He put a list of requirements in the packets, which he believes covers the possible requirements needed. He also updated the WPCA approved engineering firms. He removed CDR and Maguire and added Wright-Pierce. A brief discussion ensued.

b. Discussion & Voting- Multi-Unit Development Requirements

Upon a motion made by Mr. Murphy and seconded by Mr. Maloney, it was VOTED: to adopt the document known as- Plymouth WPCA Multi-Unit Development Requirements. Roll call was taken and the motion passed unanimously

c. Discussion – 2025 Operating Budget:

Mr. Patrick reported- The budget is looking pretty good overall. We have one larger project left, we would like to complete in the spring and that is changing the wear strip on the primary clarifier #1.

Jason made some line-item transfers last month and they were included in the packet.

d. Rate Book Report January 2025- NW Mutual Statement January 2025:

A brief discussion ensued regarding the status of Northwest Mutual. The current collection rate is at 63.31% for the month of January 2025.

8. Public Comment: Melanie Church 328 Main St. Terryville asked if the new development would affect the smell issue on South Street. A brief discussion ensued, and Jason clarified No it wouldn't because that section would tie into the gravity section of the sewer. She also questioned if we are getting paid from the condemned building on Main Street. A brief discussion ensued. Mrs. Dell'Aera will check with the tax collector on delinquent sewer fees.

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', written in a cursive style.

Heather Dell'Aera
Recording Secretary