



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

PLYMOUTH, CT
TOWN CLERK'S OFFICE
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2024 NOV 14 AM 11:16

Linda Knyazek
TOWN CLERK

The Regular Meeting of the Water Pollution Control Authority was held on Monday October 21, 2024, at 7:00 PM in the training room of the facility at 35 Canal Street, Pequabuck, CT.

PRESENT: Regular Members

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- Melanie Church

1. Call to Order:

The meeting was called to order by Vice Chair Maloney at 7:01p.m.

2. Roll Call Attendance:

Vice Chair Maloney took roll call attendance.

3. Acceptance of Minutes:

a. Regular Meeting Minutes- September 16th, 2024: Vice Chair Maloney stated the September 16th, 2024, Meeting Minutes are tabled.

4. Bills and Communications:

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

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

5. Report of Officers and Committees:

a. Report of the Plant Manager:

Monthly Operating Report for September 2024-

Plant Manager Mr. Patrick reported:

There were no violations in September 2024.

Average monthly flow for September 2024 was 1.43 MGD, with a max flow of 1.63 MGD.

Currently we are down 1.2 MGD

Total Nitrogen for September averaged 156 pounds/day. Our discharge limit is 42 pounds/day.

Total Nitrogen for August averaged 163 pounds/day

Phosphorus-

- September 2024, we averaged 0.688 mg/l, and averaged 8 pounds/ day for the month
Our seasonal limit is 4.38 pounds/ day and after 6 months we are averaging 5.94 pounds/day

Sludge-

- We hauled out 18 tankers for the month of September with an average of 2.3% solids.
This equaled 11.2 dry tons (22,443 pounds).

Plant Efficiency, % Removal

- September
BOD = 95%
SS = 96% removal

Pump Station #2 Soft Start-

Mr. Patrick reported: We had a soft start go bad at pump station #2. This is a unit that protects AC electric motors from damage caused by sudden influxes of power by limiting the large initial inrush of current associated with motor startup. They provide a gentle ramp up to full speed. Horton Electric came out and diagnosed the problem and changed out the soft start with a spare we had. Jason ordered another soft start to have on hand. We currently have four (4) stations that use these. (total of 9). The current cost of a soft start is \$2400.00.

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:
See Attachment-

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

6c. Follow up Discussion – South Street Odors:

Mr. Patrick reported- We are looking at cleaning the upper section of the force main the week of November 4th.

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

Mr. Patrick reported- 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 then 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.

The report is in the packet.

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- Final Budget Report FY 2024:

Mr. Patrick reported- Now that we have received all the collections for the 2024 fiscal year, he is able to give a final budget report.

- We budgeted for \$1,876,370.11 which was a 95% collection rate. We collected just a touch under the 95% (94.99%) which left us in a deficit of \$255.73
- Our 2024 fiscal year budget ended up with a deficit of \$144,165.36. This is due to the \$232,343.68 needed for the Force Main repairs which included the majority of the cost to line the force main.
- Emergency Force Main Repairs - \$90,568.68
- Force Main Lining - \$144,775.00
- We had another good year with collections of prior years' user fees, interest and liens. We collected \$219,786.31 total.
- This gives us an additional revenue of \$75,365.22 for the 2024 fiscal year

b. Discussion 2025 Operating Budget Report & Line-item Transfers:

Mr. Patrick reported- With some changes in the financial director position at the town hall, Jason believes we will not be making line-item transfers. We will instead show overages in the line item accounts like we used to.

c. Discussion & Voting- Town Invoices for the months of July, August, & September 2024 for a total amount of \$202,014.36-

Upon a motion made by Mr. Murphy and seconded by Mr. Armbruster, it was VOTED: To approve the town invoices for July, August & September 2024 totaling \$202,014.36. Roll call was taken and the motion passed unanimously

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

A brief discussion ensued regarding the status of Northwest Mutual. The current collection rate is at 95.28% for the month of September 2024.

8. Public Comment: Melanie Church 328 Main St- Terryville commented- She is asking residents if they would sign a petition to change from Mayor to Town Manager form of government. She needs 1000 signatures. A brief discussion ensued.

9. Other Business: Mr. Armbruster questioned if there are companies that specialize in I & I studies. Mr. Patrick confirmed that multiple engineer firms specialize in the study. A brief discussion ensued regarding the process of the study. Mr. Patrick believes there is a 55% reimbursement for the study. He has a meeting scheduled with DEEP to discuss this further.

10. Adjournment: Upon a motion made by Mr. Maloney and seconded by Mr. Armbruster, 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

Attachments:
Phosphorus Reduction Agreement
Pump Station #2 Force Main Lining Project Follow Up

Plymouth WPCA Special Board Meeting

10/21/2024

Phosphorus Reduction Agreement

Christine has been working on addressing comments DEEP had on the revised amendment. We had a virtual meeting with DEEP a few months ago, and we discussed including the I/I study as part of the Phosphorus Design. It seemed agreed upon at that time, but with changes in DEEP staff it appears that we will need to have another meeting so we can all get on the same page.

Christine reached out to schedule a meeting for this week, but both DEEP Engineers assigned to our project are not available. One is on vacation and the other no longer works for DEEP. We hope to have a meeting ASAP and clear everything up. We have until the end of the year to get a contract signed or we would lose our ARPA funds. (\$320,000)

Earmarks Funds

We also had a meeting regarding the earmark funds. We are working on getting some paperwork together that is required for the funding. (Regarding QBS which is a competitive procurement process for selecting design professionals based on their qualifications and experience, rather than price)

We also discovered during this meeting that the earmark funds we will be receiving has to be 80% of the projects total cost. So, to get the full amount (\$959,752) the project (Phosphorus Design) would have to total \$1,199,690 (approx. 1.2 million) and unfortunately, we are not allowed to use ARPA funds to make up the difference.

Wright Pierce is looking into some options, such as possibly pulling the I/I study out of the Design and paying for that portion with ARPA funds.

Jason W. Patrick
WPCA Plant Manager

Plymouth WPCA Board Meeting

9/16/2024

Pump Station #2 Force Main Lining Project Follow up – 10/21/2024

The cost of the project - \$216,094.17

Vac Trucks - \$32,880.00

Traffic Control - \$9,943.76

Valve Removal - \$7,085.80

Excavation - \$10,500

Pipe and Couplings - \$1,786.61

Green Mountain - \$136,890 (included pressure testing)

Paving = \$17,008

We transferred \$200,000 for this project. We will be slightly over the estimated amount.

Pump Station #2 Force Main Lining Project – 9/16/2024

We have lined approx. 775' of Pump Station #2 Force Main. The project was planned for Tuesday, August 27th. The day before (Monday August 26th) the force main developed another leak. We had to start bypassing the pump station earlier than planned.

We did run into some issues with the project. The valve removal went smoothly, but the excavation did not go as expected. Our plans indicated the force main was just under 8' deep and it ended up being over 12' deep. Joes' sanitation had to bring in a larger machine and additional shoring. The excavation took the majority of the first day.

Once the pipe was opened, Green Mountain video inspected the line. The next challenge was cleaning the line. There was something on top of the pipe they had a very difficult time removing. It took several hours for them to get the section clean. By this time, they were already into the night.

The liner was slow to install. After installation of the liner, it had to be cured by steam and then cooled by compressed air. After that process the lined section of force main was tv inspected again.

The following day, a crew was flown in to install the end seals. After that was complete another crew came to pressure test the pipe. Once on site it was noticed that there was not enough pipe exposed for him to attach the testing equipment. That was another delay in the project. They had to get a different set up, to be able to pressure test the pipe. The section of pipe, then had to be filled with water, which took a couple trips back to the plant. Once the pressure testing was complete, they then TV inspected 924' downstream, towards the pump station. This section of pipe showed some superficial decay on the top part of the pipe the first couple hundred feet and then it seemed to stop and there was more of a slimy build up on the pipe. We had to stop because of a rock in the line at 924 feet. We believe this rock has been in there since installation.

Because it became late in the night again, We bypassed one more night and then all the reassemble was completed on Friday August 30th. Once the piping was reinstalled, we worked on filling the force main and finally backfilled the excavation.

Jason W. Patrick

WPCA Plant Manager