



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

PLYMOUTH, CT
TOWN CLERK'S OFFICE
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Leah Knapke
TOWN CLERK

The Regular Meeting of the Water Pollution Control Authority was held on Monday September 16, 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
Alternate Member- Scott Gray

OTHERS IN ATTENDANCE:
Plant Manager – Jason Patrick
Recording Secretary- Heather Dell'Aera
Public- Melanie Church

1. **Call to Order:**
The meeting was called to order by Chair Andrews at 7:00p.m.
2. **Roll Call Attendance:**
Chair Andrews took roll call attendance and appointed Mr. Gray a voting member.
3. **Acceptance of Minutes:**
 - a. **Special Meeting Minutes- August 5th, 2024:** Upon a motion made by Mr. Maloney and seconded by Mr. Gray it was VOTED: To approve the Special Meeting Minutes of August 5th, 2024. Roll call was taken, Mr. Maloney abstained, and the motion passed with majority vote.
4. **Bills and Communications:**
 - a. **Review & Approval of WPCA Monthly Bills for June, July & August 2024:**
Upon a motion made by Mr. Maloney and seconded by Mr. Gray, it was VOTED: To approve WPCA monthly bills for June, July & August 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 March 2024-
Plant Manager Mr. Patrick reported:
We exceeded our Average Effluent Permit limit for Zinc in July 2024. We averaged 0.316 kg/day for the month of July and our permit limit is 0.304 kg/day.
There were no violations on our DEEP report for August.
Average monthly flow for July 2024 was 1.42 MGD, with a max flow of 1.949 MGD.
Average Monthly Flow for August 2024 was 1.8 MGD with a max flow of 3.1 MGD
-Currently we are down to 1.4 MGD
Total Nitrogen for July averaged 136.5 pounds/day. Our discharge limit is 42 pounds/day.

Total Nitrogen for August averaged 163 pounds/day

Phosphorus-

- July 2024, we averaged 0.558 mg/l, and averaged 6.5 pounds / day for the month
 - August 2024, we averaged 0.437 mg/l and 6.6 pounds / day
- Our seasonal limit is 4.38 pounds/ day and after 5 months we are averaging 5.54 pounds/day

Sludge-

- July 2024, We hauled out 33 tankers for the month of July with an average of 2.2% solids. This equaled 19.7 dry tons (39,356 pounds).
- August 2024, We hauled out 28 tankers at an average of 2.5%. This equaled 37,947 pounds (19 dry tons)

We have started to decrease the wasting as we approach colder weather.

Plant Efficiency, % Removal

- July
 - BOD = 92%
 - SS = 93% removal
- August
 - BOD = 92%
 - SS = 91%

We have experienced diluted BOD and Suspended solids results from the high flows. August both BOD and SS averaged 50 mg/l

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:

Mr. Patrick reported: We have received word on September 4th the DEEP has received the amendment. They have come back with a few questions that Wright Pierce is working on. (regarding percentages and allotments for subcontractors) So that is good news that it is being reviewed.

Mr. Andrews had a discussion with the Mayor, the WPCA will need to have a signed contract with DEEP by December 31st 2024 to be able to use the ARPA funds.

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

See Attachment

6c. Follow up Discussion – South Street Odors:

Mr. Patrick reported: Now that we have finished the force main lining, he is reaching out to a few companies to inquire about how much of the force main can be cleaned at a time. It looks like we can clean about 800-1000 feet at a time, once it has been cleaned, we can also TV the line. If that doesn't work, we can try to chemically dose the line. He should have prices for the next meeting.

6d. Follow up Discussion- Main Street & North Riverside Manholes:

Mr. Patrick reported- We have finished raising most of the manholes on main Street and South Riverside. We have raised 40 manholes. The only manholes left are the ones that are part of the North Main / Agney project. That would be another 7 we might need to raise when that project is complete.

The total cost to raise all the manholes was \$75,676.00

DOT reimbursed us for \$62,400.00 (Max reimbursement is \$1600.00 per manhole)

6e. Follow up Discussion – Scott Road – 60 Unit Development:

Mr. Patrick reported- Wright Pierce has reviewed all the video footage and inspection reports for the sewer for the Scott Road development. There evaluation was in the packet. There were no major concerns, but we were missing video footage of MH 2 to 3, MH 4 to 5 and there was incomplete footage of MH 6 through MH 8. Wright Pierce also made a couple small recommendations. Mr. Patrick reached out to Ryan Geddes to see if he had the missing footage. He mentioned to possibly have TV inspection completed again for those areas. He has not heard back from him yet.

7. New Business:**a. Discussion- Lake Plymouth E.coli:**

See Attachment-

b. Discussion & Voting- Pump Station #2 Checktronic Actuator:

See Attachment-

A motion made by Mr. Maloney and seconded by Mr. Armbruster it was VOTED: to update the actuators on Pump Station #2 & Pump Station #4 in the amount of \$12,116.00. Roll call vote was taken, and the motion passed unanimously.

c. Discussion & Voting- Billing Error-

Mrs. Dell'Aera reported- We were notified by the tax collector that the owner of 7 Hickory Street, Terryville has been notified and sent to collections for owing 3 years of back sewer use charges. It was brought to our attention that there was a clerical error, when the property was purchased 3 years ago the new owner records were not updated. Therefore, the new owner did not receive a sewer bill. A brief discussion ensued regarding waiving the interest /fees from the past 3 years for a period of 30 days. If they are unable to pay within the 30-day period, then the interest will be added back to the amount owed.

A motion made by Mr. Maloney and seconded by Mr. Armbruster it was VOTED: to allow 7 Hickory Street to pay the back owed amount of 1287.00 without interest provided it is paid within 30 days after October 1st. Roll call vote was taken, and the motion passed unanimously.

d. Discussion – 2024 Operating Budget Report & Line- item Transfers:

See Attachment-

e. Discussion- Rate Book Report August 2024- NW Mutual Statement August 2024:

A brief discussion ensued regarding the status of Northwest Mutual. The current collection rate is at 94.97% for the month of August 2024.

8. Public Comment: Melanie Church 328 Main St- Terryville commented- Mrs. Church stated she had more of a question about the North Riverside manholes. Stating that when trucks come down the road the residents couch shakes and she heard it was due to a blockage. Mr. Patrick clarified that there are two separate issues in that area. There have been reported blockages that have been taken care of in the area and the WPCA is monitoring that area monthly. The second issue is the reports of rocking manholes. We have sent out operators' multiple times and none of the manholes are making noise. One was reported as having a slight movement, so the operators sealed it completely. Hopefully that will resolve the residents issues.

Mrs. Church also commented that she believes "Muffy" will be coming back to replace the comptroller.

9. Other Business:

Mrs. Dell'Aera reported – We have been notified by the Tax Collector that anyone with delinquent sewer use bills were sent to collections. She has hired a company name Tax Serve. A brief discussion ensued.

10. Adjournment: Upon a motion made by Mr. Armbruster and seconded by Mr. Maloney, it was: VOTED: To adjourn at 8:06pm. Roll call vote was taken, and the motion passed unanimously.



Heather Dell'Aera
Recording Secretary

Attachments:

Pump station #2 Force Main Lining Project –
Lake Plymouth E. coli
Pump Station #2 Checktronic Actuator
2024 / 2025 Budget Transfers

Plymouth WPCA Board Meeting

9/16/2024

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. That 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

Plymouth WPCA Special Board Meeting

9/16/2024

Lake Plymouth E. coli

Lake Plymouth has been closed for the majority of the year due to high E.coli results. I was contacted by the Lake association to discuss the possibility of sewage getting into the lake and causing the high E.coli results. The Plymouth WPCA did an inspection of several manholes around the lake, we did test both pressure lines from Pump Station #1 and Pump Station #2 and we took E.coli samples ourselves, which we got very low results from four (4) different locations on the lake.

It was bad timing because around this same time, we were planning the repair of the force main on south street. DOT had asked me to send out letters informing residents of the project. These letters did not go well with some Lake Plymouth residents and some became convinced that this pipe was contributing to the high E.coli results. Some lake Plymouth residents reached out to me, The Mayor, Torrington Area Health and DEEP. Any residents that contacted me I just tried to do my best to explain the situation.

I wanted to put this on the agenda, so I could clear up any spreading rumors.

Jason W. Patrick
WPCA Plant Manager

Plymouth WPCA Board Meeting

9/16/2024

Pump Station #2 Checktronic Actuator

Early last week we received a checktronic alarm at pump station #2. We went to the station to diagnose the issue and after observing the checktronic it was clear there is a major issue with the actuator. (Possibly a broken shaft.) We took the actuator out of service for now and I contacted A & N (our vendor for checktronic). We would be looking at a few thousand dollars to rebuild this unit. It would require a trip out to diagnose, ordering parts and then repairing.

We have three (3) of these actuators. They are used to operate the checktronic control valve to reduce water hammer in the force mains. These actuators were installed with the 2002 upgrade. We have replaced one of them in 2021. I would like to replace this actuator with the newer model. The current cost is \$5,430

Jason W. Patrick

WPCA Plant Manager



TOWN OF PLYMOUTH

WATER POLLUTION CONTROL AUTHORITY

2024– 2025 Plymouth WPCA Budget Transfers

1. Transfer \$33.00 from Capital Outlay (6001.82.8215.000000.57300) to Local Shared Expense Nitrogen (6001.82.8211.000000.58250)