

Waterbury Water-Sewer Commissioners
January 22, 2018
4:30 p.m.
Minutes

Present: P.H Flanders, C. Parks, R. Finucane, Commissioners; A. Johnson, RW-EDD; B. Woodruff, PWD, B. Shepeluk, staff; J. Pitrowiski, J. Greene, J. Griffin, D. Einhorn, public.

Flanders called the meeting to order at 4:34 p.m.

C. Parks made a motion to approve the agenda that was seconded by R. Finucane. P. Flanders asked to add an update about the Ice Center and its willingness to consider being an off-taker of the electricity that will be generated at the micro-hydro/pressure reducing system at Guptil Rd. The commissioners agreed to hear the update with the monthly reports at the end of the meeting. The motion passed unanimously.

Public Issues:

D. Einhorn, a homeowner in Waterbury Commons, asked for a progress update concerning discussions about accepting the sewer mains within the development that are ongoing between the village and developer P. Arnot. W. Shepeluk reported on a meeting he had with P. Arnot last week. P. Arnot is in the process of responding to a letter W. Shepeluk wrote describing steps to be taken by P. Arnot and the village that could result in acceptance of the mains by the village in the best case scenario or an agreement allowing the village to maintain the system, but partner with P. Arnot to solve major issues, if the commissioners do not accept outright ownership. W. Shepeluk suggested that a draft proposal agreed upon by P. Arnot and himself might be available for consideration at the next meeting. D. Einhorn thanked the manager and the commissioners and expressed hope that something could be worked out to which he and other members of the homeowners association could agree.

Water Service-RT 2:

Mssrs. Greene, Pitrowiski, and Griffin appeared to discuss the water line that serves the former Longe house on Rt 2, which Griffin now owns, to which Henry Parro hopes to connect to serve a commercial development near the former Better Power Co., which he'd like to move forward on in the coming construction season. According to Greene, the municipal manager has already issued a letter expressing a willingness to allocate adequate water capacity to serve the project, provided the developer receives permission to connect to the water service line that serves Griffin's property from the owner of that line. W. Shepeluk confirmed this statement. Griffin stated that he has an easement giving him the right to maintain that line and that it is possible he owns the line. It is also possible that Grenier Land Company may own the line, having provided easements to Griffin and others to maintain the line. Mr. Griffin, as well as Greene and Pitrowiski, who both represent Parro, all agree that it would be best if the Waterbury Water Department owned the line as private citizens have little experience or desire to own and maintain a service line that is about 1,300' in length. The commissioners agreed. By consensus, the commissioners are willing to consider taking ownership of that service line and the 12" sleeve and water line that will have to run under RT 2 to service Parro's development, if Griffin or Parro do the legal work to transfer ownership and easements related to the waterline in

question to the Village of Waterbury. The manager suggested it might be helpful to get Grenier to be a party to the property transfer by quit-claiming any interest in that water line he or his company may still have, as no deeds or transfer documents can be found that explicitly prove he no longer has interest in that water line. C. Parks asked that pressure and leakage tests be performed, if practicable, to insure as best as possible, adequate service pressure exists and that the pipe is sound. B. Woodruff agreed to assist the parties with testing to the degree it is possible to conduct tests.

Water-Sewer Budgets:

W. Shepeluk and B. Woodruff presented the 2018 operating budgets for the water and sewer systems. The commissioners agreed that the operating budgets, as proposed were in good order. However, decisions on capital projects that might be included in the budgets would be made at a later date as major long-term financing would be necessary. The capital projects include: improvements at main sewer pump station to mechanically remove, and move to storage, grit, rags etc... Elm Street sewer main replacement and an 8" water main with hydrants along Rt 100 from Howard Ave to near the entrance to East Wind Mobile Home Park. The cost estimate for the grit screen is \$240,000, for the Elm St. project, \$225,000 and for the Rt 100 water main, a range of \$650,000-\$950,000 depending on the length. Staff suggested the Elm Street project needed to be in this year's sewer department work plan and budget. W. Shepeluk stated the cost should be included in the sewer budget, as voters don't actually vote on the budget, but he also recommended including an article on the annual meeting warning to ask voters to borrow for that project. **R. Finucane made a motion to approve the budgets as proposed and C. Parks seconded the motion. The motion was approved 3-0.**

Technical Standards:

The commissioners agreed to postpone this topic until more information from researching the various standards could be completed.

Sewer Extensions:

B. Woodruff reported that A. Tuscany, municipal engineer and S. Lotspeich, community planner, were working to identify areas where it may be practical to extend sewer mains. Some recent high BOD inflows into the treatment plant have raised additional concerns about capacity. A. Tuscany will continue to work with operator P. Krolczyk and PWD B. Woodruff to get more information necessary for a recommendation on the issue of extending sewer service.

Monthly Reports:

The commissioners considered and accepted the reports from the PWD, sewer operator and water operator. The high sewer flows as a result of inflow/infiltration that occurred during a high water event caused by a thaw and precipitation, exacerbated by ice flows and jams, was noted as a cause for concern and continued observation.

W. Shepeluk then reported about his meeting with the board of directors of the Ice Center of Washington West. Discussions took place concerning the possibility of the Ice Center agreeing to be an off-taker of power produced by the micro-hydro generator that is being installed at the pressure reducing vault on Guptil Rd. The I.C. board is willing to consider participating in the project that could save them about \$800 a year in electricity costs. W. Shepeluk is hopeful they will inform the village of their decision sometime in February. W. Shepeluk reported that the

directors of the Ice Center also have some interest in the possibility of restructuring its UDAG loan with the village. That issue may come before the trustees or the commissioners of the new utility district later in the year.

Minutes:

C. Parks made a motion to approve the minutes of the W-S Commissioners meeting held on December 18, 2017, which R. Finucane seconded. The motion was approved without dissent.

C. Parks made a motion to adjourn and R. Finucane seconded that motion. It was approved 3-0 and the meeting adjourned at 6:31 p.m.

Approved:

A handwritten signature in blue ink, appearing to read "R. Finucane".

Date:

A handwritten date in blue ink, "Feb 26, 2018".

Wastewater Progress Report

January 2018

• Process:

- 2018 Budget completed and submitted to Village Manager.
- Switched over to using the Epic 70, (17 % aluminum) PAC from the Epic 58, (10 % aluminum) as the main coagulant due to increase lagoon winter alkalinity. Experiencing some problems with solids settling and magnetite loss in early morning hours using the 70. Continue to monitor and have scheduled a site visit with Holland Company Bryan Tanner for jar testing. CoMag process still continuing to meet permit limits.
- Frigid temperatures have caused lagoon one aerators to freeze up. Able to thaw two units so three aerators out of six are now operating with one Recirculator. Ice entries are very dangerous and choosing to minimize. Will need to wait until spring to repair the second Recirculator motor.
- Flow totals for November are:
 - Influent: 4.96 MG, average 0.160 MGD
 - Effluent: 4.21 MG; process ran 8 days/month; avg. 0.526 MGD
 - Precipitation: 3.7 inches
- Insulation of Drying bed garage 80% complete
- Had to resubmit October and November eDMR reports due to discrepancy on the total residual definition of instantaneous max.

• Collection System:

- Ice melt on January 12 and 13th resulted in I/I and high flows at MPS; from 0.170 MGD to 0.700 MGD. Turned CoMag process pumps up 25% and easily discharged higher flows.
- **Completion date** for the updated Sewer Ordinance.

• Personnel

- Spoke with Woody regarding more managerial training for Matt Hunt, having Matt work an extended time period at the WWTP and Brandon at the WTP.

• 2018 Projects:

- Organic Capacity Study, Phase II to increase BOD capacity from 170 lbs./day
- Sludge removal to Casella Coventry
- MPS Grit Removal Screen Project
- 2018 Collection system flushing, pump station cleaning, and TV work
- Bay one enclosure heating and insulation
- Man-hole repairs
- WWTP pipe and wood shed upgrade
- WWTP and MPS exhaust fan upgrade

MONTHLY Report December 2017

Items of Interest

Clearwell Cover Installation

Brush Clearing on Trails

Generator Power Issue

Worked with GMP on South Main Pole Replacement (sidewalk block removal, line locating, etc)

Installed Weather Station

Purchased Turbidimeters (in-line and benchtop)

Chemical Deliveries

None

Maintenance

Regular

Scheduled Monthly Analyzer Maintenance

Water Sources Used

All Surface Sources

Well 1

Flow Data

High Day
12/28/17

Low Day
12/25/17

Average Day

Peak
12/10/17

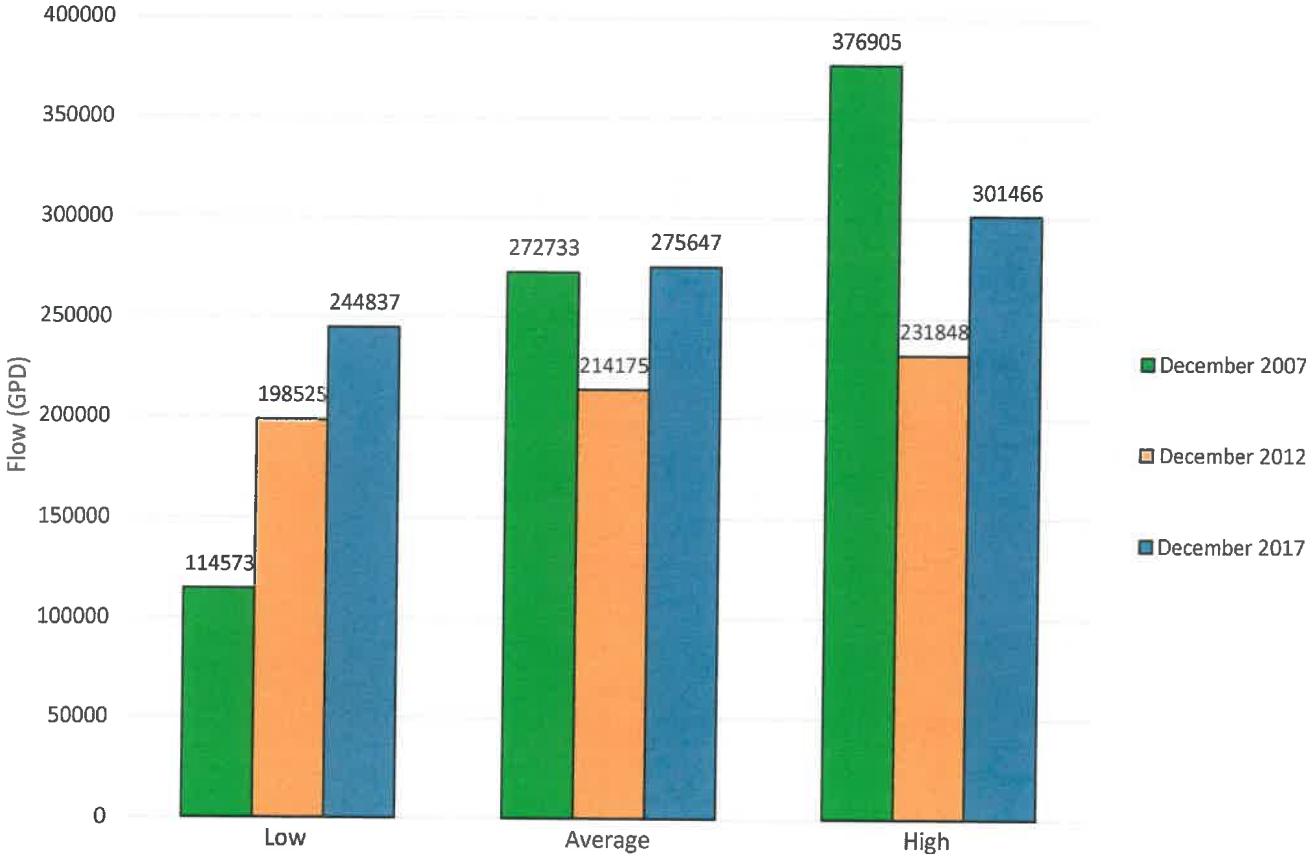
301466 gal

244837 gal

275647 gal

547 GPM

Low, Average and High Flow (GPD) for December 2007, 2012 and 2017



Notes:

- Data collected from electronic records dating back to 2007

Summary:

As per the timeline established with the State, we completed the clearwell cover installation in the plant. The work was completed by Avonda over two days in December. The cover provides cover in the corner viewing port at the plant. It has a glass door which can be opened for observation, as well as a raised venting port to maintain stable pressure in the clearwell as water flows through. We received approval from the state on 12/5/17, thus resolving the last outstanding issue from this year's sanitary survey.

After some high winds around the first of the month, we had numerous trees blocking access on the trails behind the plant. We cleared all of the trees on the main maintenance trail between the plant and the old filter building in the first week of the month.

There was a widespread power outage in Waterbury / Waterbury Center on 12/15 which affected the water plant. We were surprised to find our generator did not kick on as it should. It had been operating properly during weekly testing, and the fuel level was not low. We quickly called Brookfield Service to service the unit, and it was repaired within 2 hours. The issue turned out to be a lack of antifreeze in the unit which triggered an automatic shutdown. The issue was repaired and the generator appears to be in good working order now. There was no disruption to water service during this time. We have added a monthly check on anti-freeze levels to avoid a repeat of this issue.

We worked fairly extensively with Green Mountain Power in December on replacement for 13 poles on South Main Street. The pole locations are not close to the water main, but service lines do run through the area, and we ensured that the poles would not hit any of our lines. Additionally, we assisted GMP with cutting and removing sidewalk blocks at new pole sites, and with locating markers for the poles after snowfall covered them.

Our weather station began failing to operate properly this fall. In December, we ordered a replacement of the same model, and installed it. The new system is now fully functional.

We also made a much-needed upgrade to our turbidity measurement equipment. We ordered the new Hach in-line turbidimeters to replace our current, last-gen models. Additionally, we purchased the new benchtop turbidity unit for the lab. There are numerous improvements to the new models, including process method, accuracy/precision, ease of calibration and cleaning, read frequency, and inter-unit communication and data logging capabilities.

Well 1 and the Sweet Wells were used in December. Well 1 was on for 10 hours at ~210gpm, for a total flow of ~126,000gal. The Sweet Wells were exercised briefly, but not used for production purposes in December.