

Waterbury Village Water and Sewer Commissioners
November 20, 2017
4:30 pm, 28 N Main Street – Steele Community Room
Minutes

Present: P. H. Flanders, C. Parks, R. Finucane Commissioners; B. Woodruff PWD, W. Shepeluk Municipal Manager, Karen King – secretary

Public: Alyssa Johnson; Don Einhorn

Flanders called meeting to order at 4:38pm

Modifications to the Agenda: C. Parks requested a date be set for the December meeting.

Public: D. Einhorn requested any updates from the commissioners regarding Waterbury Commons. B. Woodruff confirmed receipt of an email from the developer which D. Einhorn requested a copy of. D. Einhorn presented the commissioners with a copy of a signed petition from homeowners as of October 25th, 2017 of Waterbury Commons to the developer demanding access for the Village of Waterbury for testing purposes.

Consider Design Contract for new distribution line on Route 100 S from Howard Ave to East Wind Drive: B. Woodruff brought commissioners a contract from Stantec for review. Original quote \$44K, revised quote \$32,368 for design of 1800 liner feet, additional 1800 feet to reach East Wind Drive is an additional \$17,884. Commissioners would like to see the cost lowered still. **C. Parks moved to approve the design contract with Stantec for design of 3600 liner feet when B. Woodruff and W. Shepeluk are satisfied the cost. R. Finucane seconded the motion; a vote was held and passed unanimously.**

Consider adopting revised technical standards for Water & Sewer lines: B. Woodruff is to send commissioners the “version” of the 10 State Standards staff recommends for acceptance at the December meeting. C. Parks will send B. Woodruff a list of AWW standards to comply with.

Discussion of current and future Bond Charges: W. Shepeluk opened a discussion regarding bond charges and how they are applied to customers using lines previously on the Luce water system. W. Shepeluk recommends one bond charge for each meter. Commissioners by consensus agree to W. Shepeluk’s recommendation.

BOD capacity study: A. Tuscany reported Paul Olander has done a review of the test results and recommends more data be collected. Once collected Olander recommends Randy Bean review the data.

Update on potential areas for sewer expansion feasibility: B. Woodruff stated this is ongoing.

Monthly Reports: Approximately 140,000 gallons of water was used to extinguish the structure fire at the Flatow property in Waterbury Center.

Update on Micro Hydro & Solar: B. Woodruff reported the Micro Hydro project is moving slowly as a result of a medical leave of the lead engineer of the project. The Kingsbury bid of \$66,000 was accepted for the work to be performed.

W. Shepeluk is working with AES from Colorado to change the contract for the Sweet Solar Fields. Specifically the stacked credits are difficult to follow in order to 'True Up' at the end of each year. W. Shepeluk has also received a proposal to install solar on Village Land near the Ice Center – Commissioners have consented to peruse more information.

Minutes: R. Finucane moved to approve the minutes from the October 23rd, 2017. C. Parks seconded the motion, a vote was held, and passed unanimously.

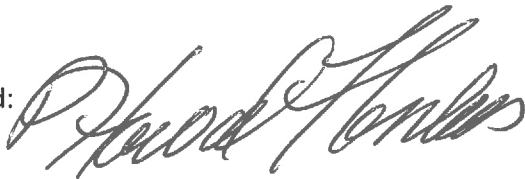
The next meeting is scheduled for Monday December 18th, 2017 beginning at 4:30pm at the Waterbury Municipal Center.

R. Finucane made a motion to adjourn at 5:58pm. C. Parks seconded the motion; a vote was held and passed unanimously.

Respectfully submitted,

Karen King, Secretary

Approved:



Date:



Waterbury Village Water and Sewer Commissioners

Monday November 20, 2017 4:30 pm
28 North Main Street - Steele Community Room
Waterbury

- 4:30 pm Opening
- 4:30 pm Consider any modifications to the Agenda
- 4:31 pm Public
- 4:35 pm Consider design contract for line upgrade and extension on Rt 100 south of Howard Avenue.
- 4:55 pm Consideration of adopting revised technical standards for Water and Sewer line design , materials and construction standards on recommendation of Staff
- 5:05 pm Discussion of current and future Bond Charges
- 5:25 pm Update on possible consultant review of BOD Capacity report
- 5:35 pm Update on potential areas for feasible sewer extensions.
- 5:45 pm Department Monthly Reports
- 6:00 pm Update on Micro Hydro & Solar
- 6:15 pm Minutes
- 6:20 pm Adjourn

Public Works Report

Waterbury, Vermont
November 2017

Water Update...

- Meet with Hallam on SCADA changes WTP
- Meet with Barb Parker over water concerns
- Talks with State about lead in drinking water in school buildings
- Water/ Sewer utility locations Main St. Project meetings
- Discussions with Ben and Jerry's about piping changes
- Final cleanup and punch list for Crossroads water line.

Sewer Update

- Meet with Dufresne Group on various issues
- Meet with distillery owner on possible startup
- Meet with Stantec with regards Rte. 100 water line extension
- Review BOD capacity work with Alec and Pete
- Noisy manholes on Winooski St.

Other works...

Micro Hydro: Moving along slowly. A bid proposal for the mechanical and electrical install of the turbines has been reviewed by Fuss & O'Neill and deemed acceptable. This bid from Kingsbury Company of \$66,500 is just over the original engineers estimate. The project has been hampered by staff shortages at Fuss & O'Neill.

Main Street: I have been in contact with VTrans and Stantec about adding in the Elm St. sewer line with the Main St. project. At the present time they seem to think the Main St. sewer can be constructed to work without having to go down Elm Street to take advantage of elevation drops in that area.

Coming down the pipe...

- Reservoir Ashford Lane Water Line permitting
- Non-revenue water
- Water and Sewer ordinance work.
- Water line extension Route 100 near Howard Avenue

Wastewater Progress Report

November 2017

- **Process:**

- CoMag process continues to meet permit limits and running very well.
- Flow totals for October are:
 - Influent: 5.21 MG, average 0.168 MGD
 - Effluent: 4.89 MG; process ran 11 days/month; avg. 0.444 MGD
 - Rain: 5.10 inches
- Aeration rebuilding project and cable pole installation is complete.
- Rechecked Lagoon one sludge depth; gained 5 inches, from 17 inches to 22, while lagoons two and three stayed the same average depth of 9 inches each.
- CoMag coagulant delivered. Will be switching over to the PACL 70 (higher aluminum content) as temperatures decrease.
- Reviewed Paul Olander's comments regarding the Organic Capacity study. Most of the data has been gathered but we still need a bit more testing. Also, he wants to do an actual stress test on the CoMag process by by-passing lagoon 3.
- Programming automated influent sampling for more representative samples for Organic capacity.

- **Collection System:**

- Could the Sewer Commissioners establish a completion date for the updated Sewer Ordinance? This was put in electronic format nine years ago for this purpose but has yet to be done.

- **Personnel**

- Progress report submitted for Brandon Guyette.

- **2017 Projects:**

- Organic Capacity Study, Phase II – completed. Report submitted to Paul Olander for review and consultation. Awaiting Sewer Commissioners to decide whether or not to submit request to State to increase BOD capacity from 170 lbs./day
- Sludge removal to Casella Coventry– completed
- MPS Flood Door Refurbishing – completed
- 2017 Collection system flushing, pump station cleaning, and TV work – completed
- CoMag coagulation injection point and fish screen installation – completed
- Lagoon Aerator, pontoon, cable upgrade – motors, connectors and pontoons - completed
- Bay one enclosure project – in progress; awaiting to see if funds available to complete insulation
- Man-hole repairs – completed

MONTHLY Report October 2017

Items of Interest

Crossroad Water Line Replacement Project Completion

LT2 E.coli Testing

Recycle Tank Cleanout

Collection System Cleanout

Auction Barn Fire - Waterbury Center

Storm Impact - High Winds

Cross Training

Chemical Deliveries

Chlorine

Maintenance

Regular

Scheduled Monthly Analyzer Maintenance

Water Sources Used

All Surface Sources

Sweet Field Wells

Well 1

Flow Data

High Day 10/27/17	Low Day 10/24/17	Average Day	Peak 10/27/17
433722 gal	274465 gal	305289 gal	1800 GPM

Notes:

- Data collected from electronic records dating back to 2007

Summary:

The water line replacement project on Crossroad was finished towards the end of October. It went smoothly, highlighted by good communication between the Water Department, Kingsbury Construction and all affected customers. There was no water disruption to any nearby businesses, and the line replacement itself was completed without issue. The project was buttoned when repaving was finished on the 20th.

The State of Vermont began mandatory E.coli testing for water systems statewide in 2017, with staggered start dates. Our testing began this month, and will consist of submitting a raw water sample every two weeks. We do not expect any violations of this new parameter, and the early tests have indeed passed.

We did a full cleanout of the recycle tank in October. This consisted of a planned discharge event to drain the tank, then cleaning it thoroughly with fire hoses off the plant hydrant. The discharge was monitored and tested daily, and was fully in compliance.

The collection system also got a fall cleanout, with both dams, the doghouse and old filter building all getting scrubbed down as we go into winter.

We did have a couple of unexpected events in October, which tested systems we may not have planned to stress test! The first was the major fire at the Auction Barn on rt100. While the structure was unfortunately a total loss, the fire flows were very high, ~1800gpm, and went off without a hitch. The hydrants performed well, and while we did receive alarm-calls in the middle of the night due to the high flow, supply was met easily.

The second unexpected event was the high wind which caused widespread power outages throughout the state. We were among those impacted at the plant, which resulted in the generators at the plant and well field to both be called on. They both performed as intended, kicking on automatically when power was lost and running until no longer needed. In all, the plant generator was on for around 7 hours, and the Sweet Well generator was on for around 5 hours.

The Sweet Wells were on for ~3 days at ~206gpm for a total estimated usage of 889,920gal. Well 1 was run for ~13 days at ~250gpm for a total estimated usage of ~4,680,000gal.

Finally, as has been the case for several months now, cross training between the Water and Wastewater Departments continued in September, with Matt training at the Wastewater Department. Additionally, Matt and Scott both worked with Wastewater on the Parker Court collection system replacement. Matt helped Brandon load and transport the structure to the site and marked out the nearby water line. Scott worked with them throughout the project, providing oversight and support on many aspects of the project.

PETITION

Whereas, we are homeowners in the development known as Waterbury Commons, and are members of the Waterbury Commons Homeowners Association;

We purchased our homes with the understanding that we would be provided with municipal water and sewer lines;

We have come to learn that the Waterbury Water & Sewer Commission has refused to accept ownership and maintenance responsibility of the Waterbury Commons sewer lines until the lines successfully pass a mandrel test, and until the Waterbury Commons developer has addressed other infrastructure issues related to sewer access;

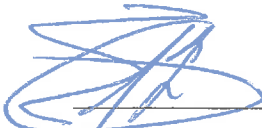
We have also come to learn that the Water & Sewer Commission has requested, and been refused, access to the Waterbury Commons sewer lines for the purpose of performing a mandrel test at the Commission's own cost and expense;


Paul Arnot is the principal of Arnot Development Group and Waterbury Commons, LLC, the developers of the Waterbury Commons development. Paul Arnot, as principal of Waterbury Commons LLC, is also the Declarant of the Waterbury Commons Declaration of Protective Covenants and Conditions;

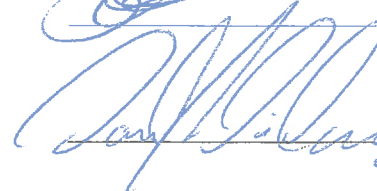
Pursuant to the Waterbury Commons Homeowners Association Bylaws, Paul Arnot, as Declarant, is a Director and is the President of the Homeowners Association; and


At the Homeowners Association meeting of October 25, 2017, the homeowners present unanimously requested that Paul Arnot provide the Water & Sewer Commission with access to test the sewer lines without further delay.

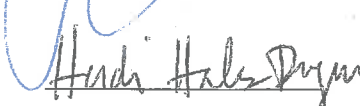
Now Therefore, be it resolved, that we the undersigned homeowners in the development known as Waterbury Commons, demand that Paul Arnot provide the Waterbury Water & Sewer Commission, and its agents and representatives, with access to the Waterbury Commons development and infrastructure for the purpose of mandrel testing the sewer lines without further delay.

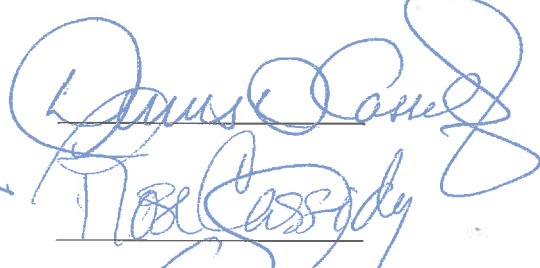


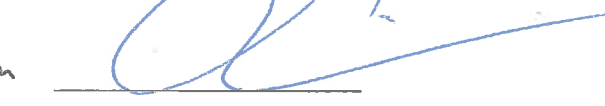
Gimenez







Hindi Hals-Dryum




Noel Cassidy




Anne Eubank

Penny Forbaugh	Chollet	JPM
Paul Williams	Chollet	Standard
Chris Tracy	Middle	Moncton