

## TOWN OF SEABROOK

### SELECTMEN'S MEETING

FEBRUARY 7, 2022

Present: Ella M. Brown  
Aboul B. Khan  
Theresa A. Kyle  
William M. Manzi, III

10:30AM

Mrs. Brown opened the meeting at 10:33AM.

Mrs. Brown took a moment of silence for the passing of Warner Knowles who served as the water & sewer superintendent for many years.

Mrs. Kyle commented that it is National Heart month so wear red!

Mr. Khan said Warner Knowles worked for the town for many years and was instrumental during the sewer project. He wished his family well and may he rest in peace.

Mrs. Kyle said she did not know Warner Knowles, but her heart goes out to his family and may he rest in peace.

### MONTHLY MEETING - WATER & SEWER SUPERINTENDENT

Curtis Slayton was present for his monthly reports (see attached).

Mr. Slayton said Warner Knowles started with the town in 1972 and served for 40 years. He was instrumental with a lot of the tools we use today. Many of the employees worked with Warner and his service will be tomorrow at 11AM. The employees will be honoring him on his ride to Hillside Cemetery around noon.

Mr. Slayton said Blackwater Bridge water main is continuing and they have a contract they hope to get back this week.

Mr. Slayton spoke to the articles on the ballot for the upcoming election - well maintenance, expanding water supply, and upgrade of the SCADA software. He is concerned with the article to upgrade the SCADA software and without this they would need to run 3 shifts to keep the system going. They also have an article for a septic hauler truck.

Mrs. Brown commented the department heads are not asking for things they want they are things they need to run the departments, so she supports of his articles.

Mrs. Kyle said with the way he runs the two departments she does not see him asking for frivolous items, so she is urging the voters to really look at approving his articles.

Mr. Slayton said he was hesitant in putting the article in for the SCADA upgrade but after really thinking it through it is important to get a software that is more prevalent in this area. The current software is from 1995 and no one has the ability to fix it.

Mr. Khan asked about the water exploration that the town has been undergoing for about 8 years. Mr. Slayton said they have located wells and water on two different parcels of land. They are in the process of obtaining the land and once complete they will then work to permit those wells. The water will need to be treated so there will be a design to get the water to the WTP. Once it is secured, he will feel much better talking about it.

Mr. Khan commented the deliberative session is tomorrow at 7PM at the Community Center.

#### **DONATION - POLICE DEPARTMENT**

Chief Walker said they received the donation from O'Brien's General store and what they use it for. Mr. Khan said this is a very generous donation. Mrs. Brown and Mrs. Kyle thanked them for this very generous donation.

<u>MOTION:</u>	Theresa A. Kyle	To accept the donation
<u>Second:</u>	Ella M. Brown	from O'Brien's General
<u>Unanimous</u>		store.

#### **SURPLUS REQUEST - POLICE DEPARTMENT**

<u>MOTION:</u>	Ella M. Brown	To approve the surplus
<u>Second:</u>	Theresa A. Kyle	request of the white
<u>Unanimous</u>		Tahoe.

Mrs. Kyle commented that there is a parking issue on Dearborn Avenue and asked if it could be addressed. Chief Walker said he would look into it and get back to her.

Mr. Khan asked about the grant for the body cam. Chief Walker said they are looking at the grant and all of the restrictions.

Chief Walker spoke to his warrant articles - capital improvement fund, remodel of women's locker room and replacement of the HVAC system. There is a contract for the SSEA employees that is up this year. He said supporting this contract is good for

retention of the current employees and gaining new qualified employees.

Mrs. Kyle commented it is more of an equity issue with the employees as lower ranking employees are making more than the supervisors who are responsible for the department and at a higher rank.

#### **TAX ABATEMENT**

Stephen & Beatrice Louf - \$3,123.89

Michele Knowles spoke to the abatement and said it is an extreme hardship. Mr. Khan said he is sympathetic to this case but there is other property owners listed on the tax card. Mrs. Kyle has an issue although she is sympathetic to the property owner, but they cannot keep abating property taxes. She doesn't feel anyone should be benefiting by abating taxes but feels the lien should be kept on the property and not act on it, so if something were to happen to the owner the others would not benefit without the town getting the money due to them.

<u>MOTION:</u> Theresa A. Kyle	To not abate the taxes but not act on the lien and just let it lay dormant until either sold or willed to family members.
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Donald Schrempf asked if they could raise the money and pay this for her. Both Mrs. Kyle and Mrs. Brown said they cannot do this as selectmen. He said there is nothing in the law that says they can't do it. Mr. Manzi said it is not typical for the board to raise money for a private citizen as this is not an official act of the board of selectmen. Mr. Manzi said they may be able to deal with some of it through the social service agencies of the town. Donald Schrempf feels if they don't act on the lien, it is breaking the law.

Michele Knowles said she will reach out to them today and put them in touch with the welfare officer for assistance. She said with giving half the other half will still accrue interest.

There was no second on previous motion, motion failed.

<u>MOTION:</u> Ella M. Brown	To table this item until
Second: Aboul B. Khan	they get further info.
Abstain: Theresa A. Kyle	

**ABATEMENT**

Eastman's Docks LLC - 5A River Street - \$10.40

MOTION: Aboul B. Khan  
Second: Ella M. Brown  
Unanimous

To approve and sign the  
abatement.

**TAX SETTLEMENT - LOWE'S**

Angela Silva was present and explained the settlement agreement. She waited until after the revaluation to negotiate the settlement. Ms. Silva said they will need to issue them a check for the \$10K but the value will increase in 2022 and 2023. Mr. Khan would like to propose in the future that they not give cash back but rather take the amount off of future tax bills. Ms. Silva said there is money set aside in the overlay account for this type of situation.

MOTION: Aboul B. Khan  
Second: Theresa A. Kyle  
Unanimous

To approve and sign the  
tax settlement.

**2021 SUPPLEMENTAL B TAX WARRANT**

This is to correct the situation from a town error on the revaluation of the property.

MOTION: Ella M. Brown  
Second: Theresa A. Kyle  
Unanimous

To approve and sign the  
supplemental tax  
warrant.

There was discussion on the exemptions and when they have to recertify for the veteran exemptions. It is required by state law once every 5 years.

**3 ELDERLY EXEMPTIONS**

MOTION: Ella M. Brown  
Second: Aboul B. Khan  
Unanimous

To approve and sign all  
elderly exemptions.

**VETERAN EXEMPTIONS**

Robert Morris - 9 Charles Henry Way  
Richard Curtis & Tabitha Boyle - 269 Walton Road  
Kurt Groder - 25 Perkins Avenue #61  
Lionel Sheppard - 35 Folly Mill Road

MOTION: Ella M. Brown  
Second: Theresa A. Kyle  
Unanimous

To approve and sign all  
veteran exemptions.

**QUITCLAIM DEEDS - HILLSIDE CEMETERY**

Warner Knowles & Susan Nicoll - Section 29 Lots 12&13 Plot 2

MOTION: Ella M. Brown To approve and sign the  
Second: Theresa A. Kyle quitclaim deed.  
Unanimous

**QUESTIONS/COMMENTS**

Mr. Khan and Mrs. Brown attended the Christmas tree bonfire.  
There was hot chocolate, coffee and donuts brought by the fire  
department.

Reminder that deliberative session is Tuesday, February 8 at 7PM  
at the Community Center.

MOTION: Ella M. Brown To adjourn the meeting  
Second: Theresa A. Kyle at 12:02PM.  
Unanimous

Minutes taken by Kelly J. O'Connor.

Approved and endorsed:

\_\_\_\_\_  
Theresa A. Kyle, Clerk

Date: \_\_\_\_\_

# **TOWN OF SEABROOK BOARD OF SELECTMEN**

## **AGENDA**

February 7, 2022

Open Meeting at 10:30 A.M.

**TURN CELL PHONES TO VIBRATE OR OFF PLEASE  
PLEDGE OF ALLEGIANCE**

### **MEETINGS**

- 1.) Monthly Meeting – Water & Sewer Superintendent

### **NEW BUSINESS**

- 1.) Question of accepting donation from O'Brien's General Store for \$4,000 to the Seabrook Police Department.
- 2.) Question of approving abatement for Eastman's Docks LLC – 5A River Street - \$10.40.
- 3.) Question of approving Tax Abatement for Stephen & Beatrice Louf - \$3,123.89.
- 4.) Question of approving Tax Settlement – Lowes.
- 5.) Question of approving 2021 Supplemental "B" Tax Warrant.
- 6.) Question of approving 3 elderly exemptions.
- 7.) Question of approving veteran exemptions for Robert Morris- 9 Charles Henry Way, Richard Curtis & Tabitha Boyle – 269 Walton Road, Kurt Groder – 25 Perkins Ave #61 and Lionel Sheppard – 35 Folly Mill Road.
- 8.) Question of approving surplus request – 2017 White Chevy Tahoe- Police Department.
- 9.) Question of approving quitclaim deeds for Warner Knowles & Susan Nicoll at Hillside Cemetery, Section 29, Lots 12& 13, Plot 2.

### **QUESTIONS/COMMENTS**

Board of Selectmen on any boards and/or committee meetings they have attended

### **PUBLIC PARTICIPATION**

# Seabrook Water & Sewer Department

PO Box 456  
Seabrook, NH 03874  
(603)-474-9921

## MEMORANDUM

To: Board of Selectmen

Cc: William Manzi III; Town Manager

From: Curtis Slayton; Water & Sewer Superintendent

Date: January 8th, 2022

Subject: Monthly Report from November 9<sup>th</sup> to Date

Below is a list of activities ongoing and completed by the Water & Sewer Department staff since the last report.

### WATER


- Responded to 100 requests for service to include water turn on/off, inspections and meter repairs.
- Responded to 100 dig safe requests.
- 30,625,000 gallons of treated water was pumped into the distribution system in November and 29,264,000 gallons in December
- Meter reads were completed the first of every month
- CIP meetings with Board of Selectmen and budget committee.
- Bacteria samples were completed the first two weeks of the month
- GIS work is ongoing.
- Water Department helping Sewer Department with staffing in November and December
- Gate Valve Maintenance program on going
- Grounds keeping
- Specific capacity test on wells
- Painting piping in the process area.
- Housekeeping inside well houses
- Spreadsheet on identifying 4000 water services. The EPA is requiring all water systems to account for the materials the water service lines are comprised of. We are creating a spreadsheet from the 4000 plus papers files which will be added to peoples GIS system at the end.
- Tractor maintenance
- Curbstop and hydrant repairs
- BRW #2 cleaning is on going
- Snow removal

- The water department took delivery in December of a 2021 blue F-250 utility body truck to replace our 2011 F-250 with 184,000 miles. This truck was ordered in November of 2020
- Rebuilt plant recycle water pump
- The Chief Operator and Water Service Professionals conducted a detailed plant pressure filter inspection. These filters and media have been in service for 10 years. The filters and media were found to be in good condition and there were no recommendations at this time.
- The Superintendent attended a drill at the fire station on December 8<sup>th</sup>

## SEWER

- \* 22 million gallons of wastewater treated in November and 20 million in December
- \* 116 tons of biosolids sent out in November and 138 tons in December
- \* Vertical assets addition to GIS at the WWTF with and Hoyle and Tanner engineering and Peoples GIS are ongoing.
- \* Merle Branconnier started with the sewer department in the Mechanic 1 position
- \* Impeller replacement at Batchelder Rd. pump station
- \* Monthly operation reports sent to NHDES and USEPA
- \* Force main pigging of 8 sewer pump stations. This is the first time for this maintenance. We will do at least 5 more next year.
- \* Replaced blower motor at Centennial for odor control.
- \* Force main leak on route 286. We had to shut down the route 286 pump station and truck wastewater through the night using a combination of private contractors and our own truck. With the help on Jamco and the water department the leak was repaired the following day
- \* Micro strainer maintenance in influent building
- \* Replaced block heater thermostat on plant generator.
- \* Replaced starter on the route 107 generator
- \* Pulled and cleaned pumps at Autumn Way
- \* Replaced solenoid on mechanics truck plow
- \* Swapped clarifiers
- \* New relay installed in Autumn way pump station

Respectfully submitted

  
Curtis Slayton, Water & Sewer Superintendent



# SEABROOK WATER DEPARTMENT

## Water Delivered

Year: 2021 Month: Nov-21

### Gravel Packed Wells

1: 3,147,000

3: 361,000

7: 4,512,000

Plant: 22,605,000

Total: 30,625,000

Previous Month / Year Nov-20 Total 26,634,000

Previous Month / Year Nov-19 Total 26,140,000

Respectfully submitted: George M. Eaton Chief Op

Date: 12/3/2021

# SEABROOK WATER DEPARTMENT

## Water Delivered

Year: 2021 Month: Dec-21

### Gravel Packed Wells

1: 3,768,000

3: 7,206,000

7: 319,000

Plant: 17,971,000

Total: 29,264,000

Previous Month / Year Dec-20 Total 26,464,000

Previous Month / Year Dec-19 Total 26,092,000

Respectfully submitted: George M. Eaton Chief Op

Date: 1/3/2022



## SEABROOK WATER DEPARTMENT

### ROUTE 107 WATER FILTRATION PLANT

## FILTER INSPECTION REPORT

NOVEMBER 17, 2021





# Filter Report Card

Customer Name: Seabrook Water Department

Date: 11/17/2021

Plant Name: Route 107 Water Filtration Plant

Inspector: Andrew Taylor

FILTER DATA SUMMARY				
Condition		Description		Comments
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Troughs – level	Inlet distributors level and in good condition
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Media Surface	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Media Level	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Media Cracking	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mudballs	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Anthracite / GAC	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Feel / Condition	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Effective Size / UC	All samples at or below the minimum specified effective size
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Acid Solubility	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sand / Greensand	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Feel / Condition	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Effective Size / UC	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Acid Solubility	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Garnet Sand	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Feel / Condition	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Effective Size / UC	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Acid Solubility	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gravel Profile	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Air Scour	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Backwash	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Expansion	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

☒ Good, no action required

☐ Adjustment Monitor Closely

☐ Immediate Action Required

## PROBLEMS / OBSERVATIONS:

Continue to monitor anthracite effective size and intermix between Greensand and anthracite. Filters are in excellent condition. Plant is extremely well maintained and clean.

# Seabrook Water Department Route 107 Water Filtration Plant

## Background

Mr. Andrew Taylor from Water Service Professionals (WSP-US) met with representatives from the Seabrook Water Department at the Route 107 Water Filtration Plant at 7:00am on Wednesday, November 17, 2021. The purpose of the visit was to perform the annual filter inspections of five (5) 11'-0" diameter vertical pressure filters. The five (5) vessels were originally supplied by Roberts Filter in early 2010 under Roberts' contract # 3661-T

When entering the filter gallery from the street side, filter 1 (2210) is closest to the control room and filter 5 (2250) is the last filter.

The plant treats ground water from multiple wells. The pressure filters were designed with a 19" depth of 0.30 -0.35mm Greensand Plus topped with an 18" depth of 0.70 – 0.80 mm anthracite. The units have PVC air grids and header/lateral underdrains buried under 12" depth of graded support gravel.

## Observations

Upon to the author's arrival on Wednesday, 11/17/21, filter#1 (2210), filter #2 (2220), and filter #3 (2230) were taken off-line, drained and opened. As one (1) unit was returned to service, the next unit in the series would be taken off-line and drained. At no point were more than three (3) units off-line simultaneously. Prior to entering the filter, an O<sub>2</sub> monitor was used to confirm that safe oxygen levels existed within the filter tanks. An O<sub>2</sub> monitor was worn continuously by the service technician while in the filters.

### Tanks and Components

The painted steel tanks are in excellent condition. No structural concerns were identified on the interior or exterior of the tanks. The inlet distributors are in good condition and are within acceptable level tolerances.

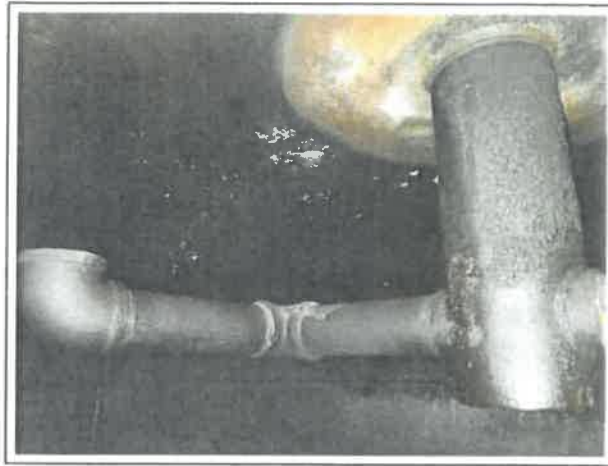


Figure 1 – Inlet distributor in Filter #3 (2230). The white area at top is where air accumulates during a filter run

### Filter Media

The filter media surface in all five filters is in excellent condition. No significant media loss was identified and there was no mounds or other surface irregularities to report. So minor iron accumulation is present of the media surface. This is consistent with filters which were NOT backwashed prior to the inspections.



Figure 2 - Example of media surface in filter 1 (2210). Flat and free of debris

### Media Excavations / Core Sampling

Media was manual excavated down to the support gravel in one (1) location within each filter. **Filter #4 (2240) was sampled by plant staff after allowing the tank to drain overnight.**

Samples from each type of media were collected and one (1) quart samples of the Greensand Plus and anthracite were forwarded for laboratory evaluation.

Description	Greensand Plus	Intermix	Anthracite
Design	E.S. 0.30 – 0.35mm UC ≤ 1.5 Depth – 19"	0"	E.S. 0.7 – 0.80 mm UC ≤ 1.65 Depth – 18"
Filter 1	E.S.: 0.37 mm UC = 1.47 Depth – 14"	8"	E.S.: 0.67 mm UC = 1.38 Depth – 14"
Filter 2	E.S.: 0.36 mm UC = 1.46 Depth – 14"	8"	E.S.: 0.71 mm UC = 1.34 Depth – 15"
Filter 3	E.S.: 0.37 mm UC = 1.44 Depth – 14"	8"	E.S.: 0.60 mm UC = 1.53 Depth – 11"
Filter 4	E.S.: 0.37 mm UC = 1.43 Depth – N/A	N/A	E.S.: 0.67 mm UC = 1.39 Depth – N/A
Filter 5	E.S.: 0.36 mm UC = 1.39 Depth – 14"	8"	E.S.: 0.70 mm UC = 1.33 Depth – 13"

### Media Results

Through the evaluation of Roberts original design drawings, the design free board was calculated to be approximately 37 ½". This measurement is from the top of the up-turned influent distributor elbows to the media surface. Current freeboard values are below.

Filter	Freeboard
1	37 ½"
2	37 1/2"
3	41"
4	N/A
5	39"

The following observations were also made:

1. In all four filters, the intermix layer between the Greensand Plus and anthracite was 8-10" thick. This is typical and is not indicative of any backwash issues.

#### Air Scour

Following each inspection, the filters were refilled by opening the effluent valve. Once the water level was above the filter media surface, the effluent valve was again closed and the air scour system in each vessel was tested. Air scour distribution was excellent in each of the four (4) filters tested.



Figure 2: Air Scour pattern from filter #2 (2220)



## Conclusions / Recommendations

1. The drain down screens in filters 1,2,3 and 5 were clean and in good condition. These screens tend to foul, which will interfere with the filter drain down prior to backwash. Be sure to inspect these screens during all future inspections.



Figure 3: Drain down-screen in filter #1 (2210)

2. All three (3) sample taps in each vessel were tested and appear to be in good working order.



Figure 4: Top sample tap in filter #3 (2230)

3. There were no recommended action items identified during these inspections.
4. Anthracite effective size was near or below the minimum specified effective size range. Continue to monitor, as this may be contributing to the intermix identified earlier in the report.



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Geotechnical • Construction Materials • Environmental • Facilities

## MATERIAL ANALYSIS

**PROJECT:** ROUTE 107 WATER TREATMENT PLANT  
SEABROOK, NEW HAMPSHIRE  
**CLIENT:** WATER SERVICE PROFESSIONALS  
773 HOSTMAN AVENUE  
WARMINSTER, PA 18974

**PROJECT NO.:** 1560  
**DATE:** 12/2/21

On November 24 and December 1, 2021, ten filter media samples were delivered to our laboratory for sieve analyses. Testing was performed in accordance with AWWA Specification B100-16. Following are the test results:

ANTHRACITE						
Sieve Size (ASTM C136)	Particle Size (mm)	% Passing				
		Filter #1	Filter #2	Filter #3	Filter #4	Filter #5
#14	1.420	100.0	100.0	100.0	100.0	100.0
#16	1.195	98.9	98.1	98.4	99.1	99.0
#18	1.010	86.7	79.7	86.5	84.2	86.0
#20	0.873	42.6	32.9	47.6	43.3	40.2
#25	0.702	11.0	8.9	14.7	11.3	10.0
#30	0.576	6.8	6.1	8.9	6.2	6.3
#35	0.497	6.5	6.0	8.4	5.8	6.1

Test	Result				
Effective Size (mm)	0.67	0.71	0.60	0.67	0.70
Uniformity Coefficient	1.38	1.34	1.53	1.39	1.33

GREENSAND PLUS						
Sieve Size (ASTM C136)	Particle Size (mm)	% Passing				
		Filter #1	Filter #2	Filter #3	Filter #4	Filter #5
#18	1.010		100.0		100.0	100.0
#20	0.873	100.0	99.9	100.0	99.9	99.9
#25	0.702	91.2	90.2	92.2	94.7	93.8
#30	0.576	69.5	70.5	72.0	74.7	78.0
#35	0.497	47.7	51.1	52.6	52.5	60.7
#40	0.408	21.5	25.1	24.3	24.2	31.8
#45	0.351	4.6	5.7	5.1	5.2	7.6
#50	0.292	0.8	1.0	0.6	0.6	1.0

Test	Result				
Effective Size (mm)	0.37	0.36	0.37	0.37	0.36
Uniformity Coefficient	1.47	1.46	1.44	1.43	1.39

If you have any questions, please do not hesitate to contact our office.

**TECHNICIAN:** DONALD HOLLENBAUGH

Attachments (10 pages)