

Northport Village Corporation

May 11, 2018

Utilities Meeting Minutes

**Attendees:**

Superintendent: Richard McElhaney  
Village Agent: William Paige

**Utilities Board Members Present:**

David Crofoot - chair  
Dick Brockway  
Gordon Fuller  
Wendy Huntoon

**Visitors:** None

**Meeting Called to order:** David Crofoot. called the meeting to order at 10:30am

**Approval of Minutes:** Dick Brockway moved to approve the April Utility Minutes Gordon F. seconded the motion, All in Favor.

**Visitor Concerns:** Gordon Fuller, in his role as a resident, asked if any one from the Utilities Board had attended the recent meeting on the salmon farm and no one had.

**Report of the Superintendent:**

Dick M. reviewed the monthly superintendents report with the details provided below. From the recent report, it is clear that the NVC sewer system is working exceptionally well. For the past 3 months we have met the highest standards of secondary treatment, an ongoing indication of the effectiveness of our system. A discussion ensued regarding the impact the proposed salmon farm may have on the area and an agreement to continue to follow the developments on the farm.

The board discussed the ability to understand the impact of rainfall on the sewer system and will discuss at a later date acquiring a rainfall station in order to measure rainfall.

Pulled NVC Water meter out of the vault to check the accuracy of the meter, in accordance with our agreement with the Belfast Water District to do this every few year. It passed the tests, indicating it was performing as expected including measuring the water NVC receives from the Water District. Will look at having it calibrated in place the next time it needs to be tested.

Moore Septic is doing the spring-cleaning for the tanks used over the winter as well as the chlorination tank. There was gravel in the tanks, thus we may need to start monitoring the manholes throughout the system in order to identify and reduce the amount of gravel within the system.

We are implementing chlorinating and de-chlorinating the effluent which is required for May 15 through Sept 30.

If NVC would like to add hydrants, Bill and Dick should provide the location of the stubs to decide where to put the hydrants. The water system has enough water pressure to add additional hydrants. Typically the water company pays the installation fee for the hydrant and NVC pays a yearly rental for the hydrants. Dick reviewed a number of places where hydrants could be located, including in relationship to the existing hydrants from the fire pond. Hydrants could be placed at the ends of the

systems to allow for blow out of the system, not currently possible. Hydrant installation cost is \$6,000 where there is a stub and double the cost where there is not a stub. The yearly rental fee is \$897. There are at least 12 stubs within the current water system.

Dick indicated it would cost \$300 to modify the gate on Jane Strauss’s property to allow appropriate access to the pump station.

## Sewer Department

### March 2018 Effluent Monitoring Data

The NVC Wastewater Treatment Plant (WTP) was in full compliance with its wastewater discharge license for the month. There were no license exceedances.

Flow averaged 21,742 gpd compared to 9,016 gpd in 2017. Daily flow ranged from a low of 7,100 gpd to a high of 84,500 gpd during the month. Precipitation for the month was 2.18” versus 2.07” in 2017.

TSS and BOD<sup>5</sup> averaged 0.9 lbs/day (7.2 mg/l) and 2.1 lbs/day (20.8 mg/l), respectively compared to 1.2 lbs/day (12.4 mg/l) and 3.4 lbs/day (34.6 mg/l) in 2017.

See performance table below for this month’s comparisons, averages, year-to-date highs and lows, permit limits, and year-to-date (YTD) exceedances. Testing frequency is continuous for flow, weekly for TSS, BOD<sup>5</sup> and fecal coliform (May thru Sept), daily for pH and settleable solids (S.S.), and twice per day for total residual chlorine (May thru Sept).

Monthly Performance Table

Parameters	March	February	January	YTD Lo	YTD Hi	YTD Ave	2017 Ave	DEP Monthly Limit	Exceedances
Flow GPD	<b>21742</b>	16921	21,181	16921	21742	<b>19948</b>	<b>12017</b>	<b>&lt;63000</b>	0
Precip Inches	<b>2.18</b>	3.05	8.05	2.18	8.05	<b>4.43</b>	<b>3.33</b>	n/a	0
TSS lbs/day	<b>0.9</b>	1.2	0.9	0.9	1.2	<b>1.0</b>	<b>1.90</b>	<b>&lt;76</b>	0
TSS mg/l	<b>7.2</b>	7.3	13.8	7.2	13.8	<b>9.5</b>	<b>27.0</b>	<b>&lt;145</b>	0
BOD <sup>5</sup> lbs/day	<b>2.1</b>	2.8	1.8	1.8	2.8	<b>2.2</b>	<b>5.34</b>	<b>&lt;107</b>	0
BOD <sup>5</sup> mg/l	<b>20.8</b>	17.6	35.4	17.6	35.4	<b>24.6</b>	<b>70.7</b>	<b>&lt;203</b>	0
TSS% Removal	<b>97.5</b>	97.5	95.3	95.3	97.5	<b>96.8</b>	<b>91.3</b>	<b>&gt;50</b>	0
BOD% Removal	<b>92.8</b>	93.9	87.8	87.8	93.9	<b>91.5</b>	<b>75.6</b>	<b>&gt;30</b>	0
pH lo	<b>6.7</b>	6.7	6.7	6.7	6.7	<b>6.7</b>	<b>6.7</b>	<b>&gt;6.0</b>	0
pH Hi	<b>7.0</b>	7.0	7.0	7.0	7.0	<b>7.0</b>	<b>7.0</b>	<b>&lt;9.0</b>	0
S.S. ml/l	<b>&lt;0.1</b>	<0.1	<0.1	<0.1	<0.1	<0.1	<b>&lt;0.1</b>	<b>Report</b>	0
TRC mg/l	<b>na</b>	na	na	na	na	na	<b>0.02</b>	<b>&lt;.052</b>	0
F Col/100 ml	<b>na</b>	na	na	na	na	na	<b>&lt;1</b>	<b>&lt;15-ave</b>	0
F Col/100	<b>na</b>	na	na	na	na	na	<b>&lt;1</b>	<b>&lt;50-</b>	0

ml									max	
----	--	--	--	--	--	--	--	--	-----	--

**Note:** *The last exceedance for flow was 143 months ago (2/2006). The last exceedance for fecal coliform was 66 months ago (8/2012). The last exceedance for BOD was 41 months ago (9/2014). The record annual average low for flow was 12,017 gpd in 2017.*

April 2018 Snapshot

The NVC WTP is expected to be in full compliance with its license limits in April pending the DEP’s completed review of the NVC’s discharge monitoring report. Flow averaged 26,757 gpd. The report for precipitation as measured by the Belfast Water District (BWD) at their Little River Station was 6.03 inches.

**Drinking Water Department**

March 2018 Usage and Water Quality

Water consumption for the month averaged 11,985 gpd compared to 10,604 gpd in 2017. The weekly free chlorine residual in the drinking water ranged from 0.21 - 0.22 ppm/Cl<sup>2</sup> compared to the recommended goal of >.20 to <1.0 ppm/Cl<sup>2</sup>. The EPA maximum concentration level (MCL) not to be exceeded is 4.0 ppm. The monthly total and e-coli water sample test results were negative.

**Financials:**

Dick M. indicated that we are where we need to be finically on both the sewer and water budgets. Dick M. has talked to Amy regarding a couple of simple corrections on the financial reports.

**Discussions:**

Bill P. indicated that the water has been turned on at most of the houses. Other activities often need to take priority over turning on the water. Example activities include: interacting with contractors working on individual cottages, the storm drain collapse in the road in Ruggles Park, infrastructure meetings such as the sea wall project and planning for road work. The situation was compounded due to the cold spring weather delaying the start time for turning on the water in summer cottages.

David Crofoot moved that if a new hydrant is installed within 300 feet of an old fire pond hydrant, the old fire pond hydrant must be removed in order to eliminate the risk of cross contamination. Seconded by Gordon. All in favor.

**Executive Session**

Entered into executive session at 11:30 am to discuss personnel issues and ended Executive Session at 11:47am.

Gordon moved to increase the waste treatment plant operator an hourly salary increase of \$1.50 per hour effective today (5/11/2018) in consistent with his reimbursement rates with the Belfast Water District. David C. seconded the motion. All in favor.

Next meeting is June 15, 2018 at 2:30pm in the conference room at the Community Hall.

**Meeting Adjourned:** at 11:51 am.