

Northport Village Corporation

June 16, 2017

Utilities Meeting Minutes

**Attendees:**

Chairman: Dr. David Crofoot  
Superintendent: Richard McElhaney  
Village Agent: William Paige  
Office Manager: Amy Eldridge

**Utilities Board Members Present:**

Judy Metcalf  
Dick Brockway  
Wendy Huntoon – not present  
Gordon Fuller

**Visitors:** None

**Meeting Called to order:** David called the meeting to order at 2:30 pm.

**Approval of Minutes:**

Judy moved to have the minutes amended (Chairmen Crofoot comments in the first two sentences under financial need to be stricken from the minutes. David C. Seconded the motion Approved 5 Opposed 0 Abstained 0.

**Financials:**

Dick M. mentioned line item 6004 license permits and fee \$1,386.92 only budgeted for 1200.00 and Dick determined that \$ 693.43 from the DEP got paid twice. The accountants have been informed and will make a correction. Judy M. moved that the conversation between Steve K. and Dick on line 6004 for the financials to be reversed. Because of the double billing of the expense. Seconded by Dick B. Vote: 5 Approved 0 opposed 0 abstained.

A discussion about when a good time to do a “with the accountants, a Tuesday would be preferred for a meet and greet for Dick M and Amy.

**Visitor Concerns:** None

**Report of the Superintendent:**

SUPERINTENDENT’S REPORT - UTILITIES DEPARTMENT

June 16, 2017

**Sewer Department**

April 2017 Effluent Monitoring Data

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

April flow averaged 18,900 gpd compared to 16,716 gpd in 2016. Daily flow ranged from a low of 7,600 gpd to a high of 55,500 gpd during the month. Precipitation for the month was 2.07” versus 2.81” in 2016.

TSS and BOD<sup>5</sup> averaged 2.0 lbs/day (9.2 mg/l) and 5.3 lbs/day (22.5 mg/l), respectively compared to 1.1 lbs/day (11.8 mg/l) and 3.3 lbs/day (41.3 mg/l) in April of 2016.

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	April	March	February	YTD Lo	YTD Hi	YTD Ave	2016 Ave	DEP Monthly Limit	Exceed-ances
Flow GPD	<b>18900</b>	9016	9025	9016	21174	<b>14528</b>	14713	< <b>63000</b>	0
Precip Inches		2.07	3.17	2.07	5.06	<b>3.44</b>	3.53	n/a	0
TSS lbs/day	<b>2.0</b>	1.2	0.6	0.6	2.0	<b>1.24</b>	2.7	< <b>76</b>	0
TSS mg/l	<b>9.2</b>	12.4	17.8	5.7	17.8	<b>11.3</b>	26.8	< <b>145</b>	0
BOD <sup>5</sup> lbs/day	<b>5.3</b>	3.4	1.1	1.1	5.3	<b>3.7</b>	7.6	< <b>107</b>	0
BOD <sup>5</sup> mg/l	<b>22.5</b>	34.6	37.3	16.4	37.3	<b>27.7</b>	77.1	< <b>203</b>	0
TSS% Removal	<b>96.8</b>	95.7	93.9	93.9	98.0	<b>96.1</b>	90.5	> <b>50</b>	0
BOD% Removal	<b>92.2</b>	88.1	87.2	87.2	94.4	<b>90.5</b>	73.8	> <b>30</b>	0
pH lo	<b>6.6</b>	6.6	6.7	6.6	6.7	<b>6.62</b>	6.75	> <b>6.0</b>	0
pH Hi	<b>7.0</b>	6.9	7.0	6.9	7.1	7	6.98	< <b>9.0</b>	0
S.S. ml/l	< <b>0.1</b>	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<b>Report</b>	0
TRC mg/l	n/a	n/a	n/a	n/a	n/a	n/a	0.02	< <b>.052</b>	0
F Col/100 ml	n/a	n/a	n/a	n/a	n/a	n/a	<1	< <b>15-ave</b>	0
F Col/100 ml	n/a	n/a	n/a	n/a	n/a	n/a	<1	< <b>50-max</b>	0

**Note:** The last exceedance for flow was *132 months ago (2/2006)*. The last exceedance for fecal coliform was *53 months ago (8/2012)*. The last exceedance for BOD was *30 months ago (9/2014)*.

## May 2017 Snapshot

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The NVC WTP will be in full compliance with its license limits in April pending the DEP's completed review of the NVC's discharge monitoring report. Flow during the month averaged 24,323 gpd. The report for precipitation as measured by the Belfast Water District (BWD) at their Little River Station was 2.07 inches versus 2.8" in 2016.

### High Water Alarm

Fernie Barton and Bill Paige responded mid-May to a "false" high water alarm at Pump Station #3 on Shore Road. Fernie replaced a faulty mechanical high water float with a new one borrowed from the Belfast Water District to get the pump station back up and fully functional again. Three new floats have been ordered and have been received. One was returned to the Belfast Water District and the other two were placed into inventory for future needs.

### Shore Road Pump Station Trees

The Sewer Department took advantage of the tree service company that was recently in the Village to trim the trees blocking the Williams' view of the Bay. Since they were here, they were also hired to also trim back the cedar trees surrounding the Shore Road Main Pump Station control building.

## **Drinking Water Department**

### April 2017 Usage and Water Quality

Water consumption for March averaged 11,901 gpd compared to 13,550 gpd in 2016.

The average weekly chlorine residual in the drinking water was .21 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) is 4.0 ppm. The monthly total and e-coli form water sample test results were negative.

### North Street Water Leak

Bill Paige's pager went off a couple of times late at night several weekends ago, but the caller on both occasions did not enter a return phone number for Bill to call back on. Bill searched the core of the Village looking for the reason for the emergency call, but in darkness, on both times out, he could find no concerns. It was discovered the next day that Peter Simpson responded to a phone call he received - probably from the same person trying to reach Bill - to report and stop a small leak at a service valve connection of a North Street location.

### Main Street Water Leak

Bill also in making his daily rounds and completing his daily check list on a recent Friday discovered an unusual amount of water running out of a building foundation drain on upper Maple Street. The source of the flow however was found to be metered water leaking from another customer's summer plumbing on Upper Main Street that had pulled apart and found its way onto Maple. "We don't make this stuff up".

Judy M. asked about if there is any progress on the problem of access to Pump Station #1 on Jane Strauss's property. The pump station is not easily assessable and the committee needs to determine a solution for better access. Judy M. plans to have a conversation with Jane S. to investigate a possible solution.

Bill mentioned that he has been getting prank calls on his pager and when he received the call for the North Street water leak the number that was left was an invalid number. He tried to call back this number and he was unable to reach the person. Judy M. expressed that she was going to explain the

situation to the involved homeowner, Nancy Aebersole.

Dick M. mentioned that Dirigo has not yet come down to do the water main flow testing study.

David C. asked if we need to get permission from the Belfast Water District to put in a fire hydrant and Dick M. informed him that we did not need permission. The estimated cost to install a fire hydrant is approximately \$ 5,500.00.

**Discussions:** Gordon F. asked if the water department had been approached about putting a water spigot near the Yacht Club to be able to water the flower plantings. Further discussion will be need on the topic.

**Meeting Adjourned:**

Meeting adjourned at 3:43 pm

Next meeting is July 14th 2017 at 2:30 pm.