

# NVC UTILITIES MEETING

July 8, 2016

**Present:** Chairman David Crofoot - absent; Committee members: Denis Wang, Judy Metcalf and Dick Brockway; William Paige, D.O., Paul Bartels, Dick McElhaney

Denis Wang called the meeting to order in Chairman Crofoot absence at 2:30 PM.

## **Minutes:**

Dick Brockway moved to approve the revised minutes from the June meeting, seconded by Judy Metcalf – **Voted and approved.**

## **Financials:**

Dick McElhaney reviewed the P & L provided by Steve Kazilionis. He noted that we seemed to be on track for six months into the year. He pointed out that Casual Labor is overspent and he will look into that.

## **Visitors Concerns:**

Judy Metcalf voiced concerns from residents that smelled a strong sewer odor coming from the Main Street side near the Condo – Bill will investigate.

## **Discussion:**

Jim Bahoosh is now a water and sewer customer for the new house at the corner of Maple Street and George.

The Shore Road pump station needs to have the shrubbery near the access pushed back and new stairs built by the door. It is a trip hazard and difficult access during winter. Bill will get bids to build the necessary repairs.

## **SUPERINTENDENT'S REPORT NORTHPORT VILLAGE CORPORATION - UTILITIES DEPARTMENT**

July 8, 2016

### **Sewer Department**

#### **May 2016 Effluent Monitoring Data**

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

May flow averaged 7,668 gpd compared to 4,839 gpd in 2015. Daily flow ranged from a low of 3,000 gpd to a high day of 21,500 gpd during the month. Precipitation for the month was 2.06" versus 1.88" in 2015.

TSS and BOD<sup>5</sup> averaged 1.2 lbs/day (26.5 mg/l) and 4.8 lbs/day (102.5 mg/l), respectively compared to 1.1 lbs/day (36 mg/l) and 3.9 lbs/day (127 mg/l) in May of 2015.

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 (ss), and twice per day for total residual chlorine (May thru Sept).

Monthly Performance Table

Parameters	May	April	March	YTD Lo	YTD Hi	YTD Ave	2015 Ave	DEP Monthly Limit	Exceedances
Flow GPD	<b>7,668</b>	16,716	21,584	7668	27859	<b>17,983</b>	15407	<b>&lt;63000</b>	0
Precip Inches	<b>2.06</b>	2.81	4.04	2.06	5.38	<b>3.42</b>	3.84	n/a	0
TSS lbs/day	<b>1.2</b>	1.1	2.0	1.1	3.0	<b>1.9</b>	3.3	<b>&lt;76</b>	0
TSS mg/l	<b>26.5</b>	11.8	7.5	7.5	26.5	<b>15.2</b>	28.7	<b>&lt;145</b>	0
BOD <sup>5</sup> lbs/day	<b>4.8</b>	3.3	5.4	3.3	8.7	<b>5.2</b>	8.7	<b>&lt;107</b>	0
BOD <sup>5</sup> mg/l	<b>102.5</b>	41.3	21	21.0	102.5	<b>51.9</b>	104.6	<b>&lt;203</b>	0
TSS% Removal	<b>90.9</b>	95.9	97.4	90.9	97.4	<b>94.8</b>	89.2	<b>&gt;50</b>	0
BOD% Removal	<b>64.7</b>	85.8	92.8	64.7	92.8	<b>82.2</b>	63.9	<b>&gt;30</b>	0
pH lo	<b>6.7</b>	6.7	6.8	6.7	6.8	<b>6.8</b>	6.92	<b>&gt;6.0</b>	0
pH Hi	<b>6.9</b>	7.0	7.0	6.9	7.2	<b>7.0</b>	7.15	<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	<0.1	<b>Report</b>	0
TRC mg/l	<b>0.02</b>	na	na	<b>0.02</b>	<b>0.02</b>	0.02	0.02	<b>&lt;.052</b>	0
F Col/100 ml	<b>&lt;1</b>	na	na	<b>&lt;1</b>	<b>&lt;1</b>	<1	<1..26	<b>&lt;15-ave</b>	0
F Col/100 ml	<b>&lt;1</b>	na	na	<b>&lt;1</b>	<b>&lt;1</b>	<1	<1.58	<b>&lt;50-max</b>	0

**Note:** The last exceedance for flow was *122 months ago (2/2006)*. The last exceedance for fecal coliform was *43 months ago (8/2012)*. The last exceedance for BOD was *20 months ago (9/2014)*.

### June 2016 Snapshot

The NVC WTP is expected to be in full compliance with its license limits in June pending the DEP's completed review of the NVC's discharge monitoring report. Flow during the month averaged 12,470 gpd. The report for precipitation as measured by the Belfast Water District (BWD) at the Little River Station was 3.24 inches.

### Drinking Water

#### May 2016 Usage and Water Quality

Water consumption during May averaged 18,265 gpd compared to 17,814 gpd in 2015. No leaks were reported.

The average weekly chlorine residual in the drinking water was .23 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 coliform water sample test result was negative.

The annual test result for nitrate was 0.46 ppm compared to the EPA MCL of 10.0 ppm.

New Customer

A new sewer and water customer at 21 George Street (corner of upper Maple and George) was activated on June 24 increasing the number of sewer customers to 242 and water customers to 322.

**Next Meeting** date set for August 12, 2016 @ 2:30 PM

**Voted to adjourn at 2:55 PM**

**Respectfully submitted by,**

**Paul Bartels**