

Minutes of meeting of Utility Committee:

3/18/2017

Attendees: Dick Brockway, Wendy Huntoon, Judy Metcalf, Dick McElhaney

Visitors: George Metcalf, Marge Brockway

Motion to Approve the Minutes of the Meeting of 2/17/2017: Brockway moved/Huntoon seconded: ALL IN FAVOR

The Trustees reviewed financials:

In reviewing the Treasurer's notes and comments, the trustees wondered if the comments on bond principal and interest payments were accurate. To the Trustees, it appears as though the budget against which the financials are presented is simply misstates a budget line. Budget Approved has no line 6993. Therefore, no expense should be posted to that line. Expense posted there should have been posted to 6936.

Maple Street: expenses confirmed that water and sewer has been repaid.

Superintendent's Report:

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

March 18, 2017

**Sewer Department**

**December 2016 Effluent Monitoring Data**

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

January flow averaged 21,174 gpd compared to 16,089 gpd in 2016. Daily flow ranged from a low of 7,300 gpd to a high of 58,200 gpd during the month. Precipitation for the month was 5.06" versus 2.79" in 2016.

TSS and BOD<sup>5</sup> averaged 2.0 lbs/day (5.7 mg/l) and 5.1 lbs/day (16.4 mg/l), respectively compared to 1.3 lbs. /day (17.0 mg/l) and 3.9 lbs. /day (53.5 mg/l) in January 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 (ss), and twice per day for total residual chlorine (May thru Sept).

Monthly Performance Table

Parameters	January	December	November	YTD Lo	YTD Hi	YTD Ave	2016 Ave	DEP Monthly Limit	Exceedances
Flow GPD	<b>21174</b>	18,087	9,823				<b>14713</b>	<b>&lt;63000</b>	0
Precip Inches	<b>5.06</b>	5.31	6.12				<b>3.53</b>	n/a	0
TSS lbs/day	<b>2.0</b>	1.5	4.3				<b>2.7</b>	<b>&lt;76</b>	0
TSS mg/l	<b>5.7</b>	10.7	28				<b>26.8</b>	<b>&lt;145</b>	0
BOD <sup>5</sup> lbs/day	<b>5.1</b>	3.4	13.7				<b>7.6</b>	<b>&lt;107</b>	0
BOD <sup>5</sup> mg/l	<b>16.4</b>	25.2	66				<b>77.1</b>	<b>&lt;203</b>	0
TSS% Removal	<b>98.0</b>	96.3	90.4				<b>90.5</b>	<b>&gt;50</b>	0
BOD% Removal	<b>94.4</b>	91.3	77.4				<b>73.8</b>	<b>&gt;30</b>	0
pH lo	<b>6.6</b>	6.8	6.7				<b>6.75</b>	<b>&gt;6.0</b>	0
pH Hi	<b>7.1</b>	7.0	7.1				<b>6.98</b>	<b>&lt;9.0</b>	0
S.S. ml/l	<b>&lt;0.1</b>	<0.1	<0.1				<b>&lt;0.1</b>	<b>Report</b>	0
TRC mg/l	<b>n/a</b>	n/a	n/a				<b>0.02</b>	<b>&lt;.052</b>	0
F Col/100 ml	<b>n/a</b>	n/a	n/a				<b>&lt;1</b>	<b>&lt;15-ave</b>	0
F Col/100 ml	<b>n/a</b>	n/a	n/a				<b>&lt;1</b>	<b>&lt;50-max</b>	0

**Note:** The last exceedance for flow was **130 months ago (2/2006)**. The last exceedance for fecal coliform was 51 **months ago (8/2012)**. The last exceedance for BOD was **28 months ago (9/2014)**.

### February 2017 Snapshot

The NVC WTP will be in full compliance with its license limits in February pending the DEP's completed review of the NVC's discharge monitoring report. Flow during the month averaged 9,025 gpd. The report for precipitation as measured by the Belfast Water District (BWD) at their Little River Station was 3.17 inches.

### Drinking Water

#### January 2017 Usage and Water Quality

Water consumption for January averaged 15,381 gpd compared to 12,380 gpd in 2016.

The average weekly chlorine residual in the drinking water was .26 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-coliform water sample test result were negative.

#### Water Leak

A Water Leak Alert was issued February 17, 2017 after a review of the weekly flow chart revealed the potential of a 10 gpm leak somewhere in the water distribution system. The 10 gpm bump in flow lasted for two days before it stopped. The cause or location of the leak was not identified and thus far no report has been received from any of the NVC customer base. Approximately 30,000 gallons of non-revenue water or about \$66 wholesale was most likely lost if it turns out that the water used or leaked was not metered and the cause is not identified.

### Cross-connection Exposed

The NVC Utilities Chairman, Dr. David Crofoot during his morning walk discovered water bubbling up from the surface of a South Shore Road summer service connection. The DO, Bill Paige investigated and found that well water was back feeding through the frozen/broken service line on to the ground. The residence had been disconnected from the NVC water distribution system for the winter. This customer not too long ago converted their system from well water to public water.

The DO will speak to the customer this spring before the public water is again restored to this household and request that the customer either separate the physical connection to the internal plumbing or replace the existing dual check backflow preventer with a testable double check valve to prevent the potential contamination of the NVC public water supply. The customer would then be required to test the backflow preventer device annually if this is the option chosen.

### New Water Customer

The HOOT Café (formerly Dos Amigos) became the 4<sup>th</sup> commercial and 323<sup>rd</sup> and newest member of the NVC water customer base. The water was turned on in early March. Since restaurants are considered a high hazard (Class III), the NVC Water Department required the owner to install a 2-inch reduced pressure zone back-flow preventer in the water's service connection. Owners of RPZ's must also have them tested annually and replaced or repaired if the test is failed. The effects of a Class III hazard could cause illness or even worse if consumed by humans if a backflow were to occur into the public water supply.

Further:

Dick had approved the hiring of casual labor (Lawns R Us) to shovel out the pump stations. 4-6 inches of snow, they will shovel. It is not a budgeted expense but it will be posted to repairs and maintenance.

Wendy?Dick: Move that the Overseers approve the Heidi Duso application for sewer connection for new house at 763 Shore Road . VOTED.

Lead tests have been conducted in the Drinkwater School. Samples have been sent to the state lab.

**BUDGET RECOMMENDATION FOR VILLAGE 2018:**

Trustees would like to recommend to the Overseers that the cost of installation of a hydrant off the public water line be included in the 2018 budget. The flow rates from the public water merit this investigation. This would entail first hiring an engineer to evaluate capacity to determine the adequacy of the line.

**NEW SEWER CONNECTION:**

Heidi Duso of Shore Road has applied for a new sewer connection. All appropriate fees have been collected and Billy and Dick have reviewed. MOVED: BROCKWAY/ SECOND: HUNTOON: that the Trustees recommend to the Overseers the approval of the sewer connection on the conditions that there be no rood leaders, sump pumps, or floor drains connected to the sewer. VOTED: ALL IN FAVOR.

**THANKS**

Dick McElhaney reported that Fernie was delighted with the gift of the honey baked ham sent by the Trustees to help him in his recovery from knee replacement surgery.

Adjourn: 3:40 p.m.