

# **NVC UTILITIES MEETING**

## **MINUTES**

**September 9, 2016**

**Present:** Committee members: David Crofoot, Judy Metcalf, Dick Brockway, Denis Wang, Superintendent Richard McElhaney and William Paige.

David Crofoot called the meeting to order at 2:37 PM.

### **Minutes**

Dick Brockway moved to accept the revised minutes of the August meeting, seconded by David Crofoot – **Voted and approved.**

### **Financials:**

No Financials had been received at this time for discussion or review. Judy spoke with Steve Kazilionis who apologized for no financials for the Utilities. Steve mentioned the scheduling of the Utilities meeting early in the months makes it more difficult to always get financials from the bookkeepers. This might be resolved by scheduling the utilities meeting in a different way.

Next Meeting date set for October 9, 2016 @ 2:30 PM pending a review of Overseers meeting dates at Sunday Overseers meeting.

### **Superintendent's Report:**

#### **Sewer Department**

##### **July 2016 Effluent Monitoring Data**

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

July flow averaged 17,668 gpd compared to 14,952 gpd in 2015. Daily flow ranged from a low of 14,000 gpd to a high day of 26,000 gpd during the month. Precipitation for the month was 3.62" versus 1.89" in 2015.

TSS and BOD<sup>5</sup> averaged 6.3 lbs/day (46.6 mg/l) and 16.6 lbs/day (124 mg/l), respectively compared to 6.3lbs/day (54.8 mg/l) and 20.5lbs/day (178 mg/l) in July 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	July	June	May	YTD Lo	YTD Hi	YTD Ave	2015 Ave	DEP Monthly Limit	Exceed-ances
Flow GPD	<b>17,668</b>	12,470	7,668	7668	27859	<b>17,150</b>	15407	<b>&lt;63000</b>	0
Precip Inches	<b>3.62</b>	3.24	2.06	2.06	5.38	<b>3.42</b>	3.84	<b>n/a</b>	0
TSS lbs/day	<b>6.3</b>	2.3	1.2	1.1	6.3	<b>2.6</b>	3.3	<b>&lt;76</b>	0
TSS mg/l	<b>46.6</b>	31.5	26.5	7.5	46.6	<b>22.0</b>	28.7	<b>&lt;145</b>	0
BOD <sup>5</sup> lbs/day	<b>16.6</b>	4.7	4.8	3.3	16.6	<b>6.7</b>	8.7	<b>&lt;107</b>	0
BOD <sup>5</sup> mg/l	<b>124</b>	68.0	102.5	21.0	124	<b>64.5</b>	104.6	<b>&lt;203</b>	0
TSS% Removal	<b>83.9</b>	89.1	90.9	83.9	97.4	<b>92.4</b>	89.2	<b>&gt;50</b>	0
BOD% Removal	<b>57.2</b>	76.6	64.7	57.2	92.8	<b>77.9</b>	63.9	<b>&gt;30</b>	0
pH lo	<b>6.6</b>	6.7	6.7	6.6	6.8	<b>6.8</b>	6.92	<b>&gt;6.0</b>	0
pH Hi	<b>6.9</b>	6.9	6.9	6.9	7.2	<b>7</b>	7.15	<b>&lt;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	<b>0.02</b>	0.02	0.02	<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>	<1	<1	<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>	<1	<1	<b>&lt;1</b>	<b>&lt;1</b>	<1	<1.58	<b>&lt;50-max</b>	0

**Note:** The last exceedance for flow was *124 months ago (2/2006)*. The last exceedance for fecal coliform was *45 months ago (8/2012)*. The last exceedance for BOD was *22 months ago (9/2014)*.

August 2016 Snapshot

The NVC WTP is expected to be in full compliance with its license limits in August pending the DEP’s completed review of the NVC’s discharge monitoring report. Flow during the month averaged 13,968 gpd. The report for precipitation as measured by the Belfast Water District (BWD) at their Little River Station was ? inches.

Sewer Permit Application

**Note: A holdover from last month’s Board meeting due to a lack of a quorum.** The Utility Department on July 28, 2016 received a sewer and water application for a new building proposed for 436 Bluff Road in the Kelley Cove subdivision. A copy of the sewer application is attached herewith for the Board’s consideration.

The standard \$500 Sewer System Development Charge (SSDC) and the \$400 upfront payment for the water meter and associated plumbing fixtures also accompanied the permit applications.

The Town of Northport has indicated they will issue the property owner a building permit once the NVC has deliberated on the owner’s request for a sewer connection permit. The owner has asked for a September 1, 2016 date of approval/installation.

Drinking Water

July 2016 Usage and Water Quality

Water consumption during July averaged 41,169 gpd compared to 39,606 gpd in 2015. No leaks were reported.

The average weekly chlorine residual in the drinking water was .25 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.

Richard reported that everything was looking good and concentration levels were good as well.

### **Discussion:**

David read over an email from Aaron Dyer in reference to the Maple Street division of cost between Water, Sewer, and General. Dick provided additional figures to the group, after review of the information a determination was made that figures and percentages that Dick provided were reasonable. (See attached documents) David reiterated the notion that user fees cannot be used to subsidize the general government.

Judy mentioned the information that Dick provided would be a good recommendation to the Overseers.

David made a motion for the Overseers to revisit the allocation of the final cost of the Maple Street project with the recommendations that Dick provided. Judy seconded it, all approved.

Judy spoke about having determined meeting dates for the Utilities Meetings. Currently the Utilities meetings conflict with the timeframe of when the financials can be available for review. Judy mentioned possibly having the meeting later in the month. The Overseers will be coming up with meeting dates at the next monthly meeting and once those dates are determined, the utilities meetings could be scheduled before.

Dick mentioned that they needed to look at projects that needed to be completed. A water bond will be expiring in 2018 which will enable those funds to be utilized towards another project. The water lines on the Cobe Road need to be replaced. The existing 1" line spaghetti-like plastic was discussed and a priority status was determined for the project. Replacing the line with an engineered ductile iron pipe was mentioned since the development of the several lots on the road could occur at any time. Dick also mentioned that the new pipe would also eliminate a dead end to better protect water quality and improve water volume for the users on this street.

Judy asked about lab delivery of water samples and what possibilities we might have to assist with the weekly process.

Judy asked about budget figures. David mentioned that Dick should have budget figures soon to take a look at.

David talked about Disaster Plans in particular reference to the sewer plant and its proximity to the shoreline and coming up with one. He also questioned about changing the billing cycles to a

quarterly or biennial cycle and asked if it should be brought up to the overseers. Dick mentioned that the PUC requires billing either quarterly or monthly and we received a waiver to bill trimesterly. Judy would like to know more about the rules on what the PUC would like and to see if it would be worthwhile getting a rate reduction from the PUC. Dick suggested considering sticking with trimesterly billing for the base amounts and reading the meters once in the fall to determine actual water usage for the year since usage comprises only about 5-10% of the total annual cost. The \$50 or so average usage could then be tacked on to the fall billing.

Bill spoke about needing safe access to the pump stations. The village easements for each pump station allow the village to clear vegetation and conduct maintenance to assure safe access. Our MMA insurance audit has noted the impediments to access at some of the existing stations and directed the Village to address them. A discussion ensued about what actions would need to be taken to resolve the safety issue of accessing multiple pump stations. Northport Village has easements to the pumps which were determined to have safety issues. Further research and communication with the landowners are needed to determine what options will need to be taken to keep the easements clear and safe. Dick mentioned looking into a landscaping company to take a look at the easements.

**Todd Howard Sewer Application:**

A review of the Todd Howard Sewer application was made and everything looked good. David made a motion to accept the Todd Howard Sewer application – All approved.

**Douglas Miska Sewer Application:**

A review of the Douglas Miska Sewer application was made, Judy made a motion to accept the application, Denis Wang seconded the motion, All approved.

**Voted to adjourn at 3:57 PM**

**Respectfully submitted by, Amy Eldridge**



Bill Paige <bpaige.nvc@gmail.com>

**Construction Cost Allocation/Breakdown for Maple Street**

1 message

Aaron Dyer <aarondyer@dirigoengineering.com>  
To: Steve Kazillionis <treasurer.nvc@gmail.com>  
Cc: Bill Paige <bpaige.nvc@gmail.com>

Thu, Sep 8, 2016 at 12:13 PM

Steve, I apologize for missing your voice mail. I am not sure when you called and left the message. Our new phone system is taking some time to get used to.

Regarding the conversations about percentages for the Maple Street project.

I recall having a few conversations with you and others regarding how to split the project into the three divisions: water, sewer, and general (storm drain and roadway).

Looking back through the notes I have, you and I passed around a cost breakdown based on Farley's bid excluding ledge removal. The percentages were: General = 65.4% (\$118,900.00), Sewer = 21.5% (\$39,085.00), & Water = 13.1% (\$23,800.00). This totaled, \$181,785.00

The actual amount ended up at \$179,856.50, which included \$300.00 worth of ledge removal. If we follow the same logic as the original percentage breakdown and remove the ledge cost the total is \$179,556.50: General (65.4%) = \$117,429.95, Sewer (21.5%) = \$38,604.65, Water (13.1%) = \$23,521.90.

To further complicate things, The ledge removal that was paid was 1 cy @\$150.00 removed for storm drain, and 1 cy @\$150.00 removed for sewer main.

So based on the old bid analysis that you and I passed around and the percentages laid out in it. The grand total for each division should have been as follows:

-General:	\$117,429.95 + \$150.00 (ledge for storm drain) =	<u>\$117,579.95</u>	65.37	25,015.83 + 3500 =	146,094.98
-Sewer:	\$38,604.65 + \$150.00 (ledge for sewer main) =	<u>\$38,754.65</u>	21.55	8,246.50	= 47,001.15
-Water:	\$23,521.90 (no ledge for water main) =	<u>\$23,521.90</u>	13.08	5005.30	= 28,527.20
	<u>Grand Total =</u>	<u>\$179,856.50</u>		=	<u>30,266.83 + 3500 = 221,623.33</u>