

# NVC UTILITIES MEETING

## MINUTES

### April 4, 2014

**Present:** Chairman David Crofoot; Committee members: Marge Brockway, **absent**; Denis Wang; Ned Lightner; Judy Metcalf by phone; Office Manager Paul Bartels; Superintendent Richard McElhaney; Distribution Operator Bill E. Paige; Resident Beverly Crofoot.

Chairman Crofoot called the meeting to order at 2:30 PM.

#### Financials

Bill Cressey provided P&L reports with a brief analysis via email. The Committee reviewed the reports.

#### Minutes

Judy Metcalf moved to accept the minutes of the March meeting, seconded by Ned Lightner – **Voted and approved.**

#### **SUPERINTENDENT’S REPORT**

April 4, 2014

#### Clean Water Treatment Plant

##### February 2014 Effluent Monitoring Data

The NVC Clean Water Treatment Plant was in full compliance with its discharge license in February. There were no license exceedances.

February flow averaged 5,054 gpd compared to 6,089 gpd in 2013 and 5,817 gpd in 2012. Daily flow ranged from a low of 2,300 gpd to a high of 11,200 gpd. Precipitation during the month measured 3.28” versus 3.29” in 2013 and 2.22” in 2012.

TSS and BOD<sup>5</sup> averaged 1.0 lbs/day (22.8 mg/l) and 1.6 lbs/day (51.9 mg/l), respectively compared to 0.4 lbs/day (9.7 mg/l) and 1.2 lbs/day (27 mg/l) in February of 2013.

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

Performance Table

Parameters	<b>February</b>	January	YTD Lo	YTD Hi	YTD Ave	2013 Ave	DEP Monthly Limit	Exceed- ances
Flow GPD	<b>5,054</b>	26,135	5,054	26,135	<b>15,595</b>	9602	<b>&lt;63000</b>	0

Precip Inches	<b>3.28</b>	5.67	3.28	5.67	<b>4.48</b>	3.26	<b>n/a</b>	0
TSS lbs/day	<b>1.0</b>	1.7	1.0	1.7	<b>1.4</b>	1.9	<b>&lt;76</b>	0
TSS mg/l	<b>22.8</b>	13	13	22.8	<b>17.9</b>	25.7	<b>&lt;145</b>	0
BOD <sup>5</sup> lbs/day	<b>1.6</b>	1.5	1.5	1.6	<b>1.6</b>	7.0	<b>&lt;107</b>	0
BOD <sup>5</sup> mg/l	<b>51.9</b>	31.9	31.9	51.9	<b>41.9</b>	80.2	<b>&lt;203</b>	0
TSS% Removal	<b>92.1</b>	95.5	92.1	95.5	<b>93.8</b>	91.1	<b>&gt;50</b>	0
BOD% Removal	<b>82.1</b>	89.0	82.1	89.0	<b>85.6</b>	70.8	<b>&gt;30</b>	0
pH lo	<b>7.0</b>	6.9	6.9	7.0	<b>6.95</b>	6.8	<b>&gt;6.0</b>	0
pH Hi	<b>7.2</b>	7.2	7.2	7.4	<b>7.3</b>	7.0	<b>&lt;9.0</b>	0
S.S. ml/l	<b>&lt;0.1</b>	<0.1	<0.1	<0.1	<b>&lt;0.1</b>	<0.1	<b>Report</b>	0
TRC mg/l	<b>na</b>	na	na	na	<b>na</b>	.02	<b>&lt;.052</b>	0
F Col/100 ml	<b>na</b>	na	na	na	<b>na</b>	<1.4	<b>&lt;15-ave</b>	0
F Col/100 ml	<b>na</b>	na	na	na	<b>na</b>	<1.6	<b>&lt;50-max</b>	0

**Note:** The last exceedance for flow was **95 months ago (2/2006)**. No exceedance for pH, TRC, TSS and BOD<sup>5</sup> has occurred for **101 months (8/2005)**. The last exceedance for fecal coliform was **18 months ago (8/2012)**.

### March 2014 Snapshot

The NVC Clean Water Treatment Plant was in compliance with its discharge license in March pending DEP's review of the NVC's monthly discharge monitoring report. Flow during the month averaged about 11,200 gpd. The report for precipitation as measured by the BWD at the Little River Station was about ? inches.

### Drinking Water

#### February 2014 Usage and Water Quality

Water consumption during February averaged 14,103 gpd compared to 13,211 in 2013 and 11,843 in 2012. Approximately 3,300 gpd of the daily average or 94,000 gallons of the 394,884 total for the month was from the pipe break at a home on Bluff Road.

The average weekly chlorine residual in the drinking water was .22 ppm/Cl<sup>2</sup> compared to the recommended level of >.20 to <1.0 ppm/Cl<sup>2</sup>. The monthly coliform test result was negative. The NVC serves its customers with pre-chlorinated drinking water it purchases from the Belfast Water District.

#### New Water Service Pipe Replacement for the Wharf

Dean Brown Construction Co. estimates the cost to install the new water service pipe to the wharf will be \$2000. Material cost, most of which is already in supply, will be \$600. Sargent Corporation did not tender a formal cost estimate. The \$1200 retainage payment that Sargent allowed the NVC to keep from what was leftover from the Sewer Improvement Project funds will offset almost half of the total \$2600 new project cost.

## **Sewer Application**

Scott Leadbetter had his property sub-divided and will return with the registered deed so that his sewer permit can move forward.

## **Discussions**

Sewer Connections:

During the last Overseers meeting a question came up about the proposed Leadbetter sewer connection; just how many connections can we have according to our permit? Dick McElhaney researched this and found that the number of connections allowed is based on the amount of flow to the treatment plant. We are currently permitted to have 60,000 gallons of effluent per day processed by the treatment plant and are currently using about 20,000 gallons a day.

## **Adjourn**

Next meeting scheduled May 9<sup>th</sup> 2014 at 2:30 PM.

Judy Metcalf moved to adjourn at 3:15 PM, seconded by Denis Wang, **Voted - majority approved.**

Submitted by Paul Bartels