

**NVC UTILITIES MEETING  
MINUTES  
April 12, 2013**

**Present:** Chairman David Crofoot; Committee members: Ned Lightner; Dick Brockway; Judy Metcalf by phone; D.O. Bill E. Paige; Treasurer Bill Cressey; Office Manager Paul Bartels.

**Absent:** Superintendent Dick McElhaney; Denis Wang

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

**Minutes**

Dick Brockway moved to approve the minutes from the February 15<sup>th</sup> Utilities meetings, seconded by Ned Lightner – **Voted and approved.**

**Financials**

Bill Cressey provided financial reports for sewer and water which were circulated and discussed. It was noted that the electric budget was being overspent. Bill E. Paige explained that the updated Utilities build in on Bluff road is being used much more and has electric heaters which will be replaced with more efficient heat for next winter. The Community Hall is also using more electricity for the new heat pump. This cost is shared 3-ways. The savings of heating oil should offset the increase.

**SUPERINTENDENT'S REPORT**

April 12, 2013

**Sewer Department**

**February 2013 Effluent Monitoring Data**

The NVC was in full compliance with its wastewater discharge license in February. There were no license exceedances.

February monthly flows averaged 6,089 gpd compared to 5,817 gpd in 2012 and 5,394 gpd in 2011. Daily flow ranged from a low of 1,800 gpd to a high of 22,100 gpd. Rainfall during the February months measured 3.29" versus 2.22" in 2012 and 3.06" in of 2011.

TSS and BOD<sup>5</sup> averaged 0.4 lbs/day (9.7 mg/l) and 1.2 lbs/day (27 mg/l), respectively compared to .8 lbs/day (13.1 mg/l) and 3.5 lbs/day (74.8 mg/l) in February of 2012.

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	February	January	YTD Lo	YTD Hi	YTD Ave	2012 Ave	DEP Monthly Limit	Exceed-ances
Flow GPD	<b>6089</b>	4047	4047	6089	<b>5068</b>	<b>11004</b>	<b>&lt;63000</b>	0
Precip Inches	<b>3.29</b>	0.86	.86	3.29	<b>2.1</b>	<b>3.87</b>	<b>n/a</b>	0
TSS lbs/day	<b>0.4</b>	0.8	.4	.8	<b>.6</b>	<b>2.7</b>	<b>&lt;76</b>	0
TSS mg/l	<b>9.7</b>	23.8	9.7	23.8	<b>16.8</b>	<b>26.4</b>	<b>&lt;145</b>	0
BOD <sup>5</sup> lbs/day	<b>1.2</b>	1.9	1.2	1.9	<b>1.5</b>	<b>7.8</b>	<b>&lt;107</b>	0
BOD <sup>5</sup> mg/l	<b>27</b>	56.8	27	56.8	<b>41.9</b>	<b>77.6</b>	<b>&lt;203</b>	0
TSS% Removal	<b>96.7</b>	91.8	91.8	96.7	<b>94.2</b>	<b>90.6</b>	<b>&gt;50</b>	0
BOD% Removal	<b>90.7</b>	80.4	80.4	90.7	<b>85.6</b>	<b>74.0</b>	<b>&gt;30</b>	0
pH lo	<b>6.7</b>	6.7	6.7	6.7	<b>6.8</b>	<b>6.7</b>	<b>&gt;6.0</b>	0
pH Hi	<b>6.9</b>	7.0	6.9	7.0	<b>6.95</b>	<b>6.9</b>	<b>&lt;9.0</b>	0
S.S. ml/l	<b>&lt;0.1</b>	<0.1	<0.1	<0.1	<0.1	<b>&lt;0.1</b>	<b>Report</b>	0
TRC mg/l	<b>n/a</b>	n/a	n/a	n/a	n/a	<b>.02</b>	<b>&lt;.052</b>	0
F Col/100 ml	<b>n/a</b>	n/a	n/a	n/a	n/a	<b>&lt;4.4</b>	<b>&lt;15-ave</b>	0
F Col/100 ml	<b>n/a</b>	n/a	n/a	n/a	n/a	<b>&lt;11.4</b>	<b>&lt;50-max</b>	0

**Note:** The last exceedance for flow was **83 months ago (2/2006)**. No exceedance for pH, TRC, TSS and BOD<sup>5</sup> has occurred for **89 months (8/2005)**. The last exceedance for fecal coliform was **6 months ago (8/2012)**.

### March 2013 Snapshot

The NVC Sewer Department was in full compliance with its discharge license in March. Flow during the month averaged 14,635 gpd. Precipitation as measured by the BWD at the Little River Station was 1.32 inches.

### Sewer Improvement Projects (SIP's)

PROJECT COST – \$600,000 (loan \$159,874 and grant \$440,126).

OUTFALL PIPE AND TANKS - Completed.

INTERIM BOND ANTICIPATION NOTE (BAN)/RD LOAN CLOSING – Completed.

COBE ROAD SEWER MAIN REPLACEMENT PROJECT – Completed

TREATMENT PLANT IMPROVEMENTS –Waiting for Sargent to complete the installation of the tidewater transducer.

RD GRANT – The undisbursed balance on the grant to completion holds at \$2,379.14

WARRANTY ITEMS – To be done this April or May: replacement of “no mooring” buoy and additional outfall pipe anchors

### Water Department

#### February 2013 Usage and Water Quality

Water consumption during February averaged 13,211 gpd compared to 11,843 in 2012 and 13,364 in 2011.

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

### Operator Safety Forum

Billy Paige, the NVC Distribution and Collection System Operator (DO) attended the “Operator Safety Forum” in Bangor on Wednesday. On the training agenda were the proper use of “Personal Protective Equipment”, an overview of the universal changes to the “Material Safety Data Sheets”, “Confined Space Entry and Rescue” procedures, and a review of the “Lock Out Tag Out” measures required before working on energized equipment and pipelines. The program was sponsored by the Maine Water Utilities Association with headquarters in Augusta, Maine.

### Investments in Water Main Extensions or New Service Water Lines

Under Chapter 660 of the new PUC Rules for water utilities, the NVC Water Department has learned that in order for the utility to continue the practice of requiring the customer requesting a new service line or water main extension to pay for the full cost of the construction (including the full cost of appurtenances and water meters), the governing body of the utility (the Board of Trustees and Overseers) must vote to “make no investment in a water main extension or service water line” (Title 35-A §6106).

This vote must be taken before the NVC can revise its “Terms and Conditions” and submit it to the PUC for their approval. The minutes of this meeting must also be forwarded to the PUC for their files.

**Ned Lightner moved to recommend that the Board of Overseers at their next meeting agree to the following:**

**Not to invest in water main extensions**

**Not to invest in new service lines**

**Not to invest in associated appurtenances for new connection**

**To require a Customer for any of the above to advance the entire cost as a deposit prior to the project**

**Seconded by Judy Metcalf – Voted, motion carried.**

The Water Department hopes to have a copy ready of the full revision to the NVC “Terms and Conditions” to comply with Chapter 660 for the Boards’ review and approval prior to their June meetings.

### Adjourn

Next meeting scheduled tentatively for May 10<sup>th</sup> at 2:30 PM.

David Crofoot moved to adjourn at 3:00 PM, seconded by Ned Lightner, **Voted - majority approved.**

Submitted by Paul Bartels