

**NVC UTILITIES MEETING  
MINUTES  
October 5, 2012**

**Present:** Committee members: Dick Brockway; Ned Lightner; Judy Metcalf by phone, and Denis Wang; Superintendent Dick McElhaney; D.O. Bill Paige; Office Manager Paul Bartels.

**Absent:** Chairman David Crofoot.

The meeting was called to order by the committee at 2:30 PM.

**Minutes**

Judy Metcalf moved to approve the minutes from the September 5<sup>th</sup> utilities meetings, seconded by Ned Lightner – **Voted and approved.**

**Financials**

Kathy Flynn provided financial reports for sewer and water which were circulated and discussed.

**SUPERINTENDENT'S REPORT**

October 5, 2012

**Sewer Department**

**August 2012 Effluent Monitoring Data**

There were two license exceedances for fecal coliform during the month. The exceedances were due most likely to an increase in effluent suspended solids concentrations which is typical for this time of year when the system is under heavy load and there is little rainfall or I/I. Coliforms that are present within the suspended solids can “hide” within the solid particle, making contact with chlorine to achieve complete disinfection more difficult even though sufficient amounts of chlorine and contact time are available. The threat to public health, given the heavy dilutions and long distance of the new outfall pipe away from the swimming area, is accordingly relatively small.

All other parameters were within their permit allowances. Monthly flow averaged 11,048 gpd compared to 18,097 gpd in August of 2011 and 15,523 gpd in August of 2010. Daily flow ranged from a low of 6,200 gpd to a high of 15,400 gpd. Rainfall measured 3.16” versus 6.72” in August of 2011 and 3.59” in August of 2010. TSS and BOD<sup>5</sup> averaged 5.9 lbs/day (67.4 mg/l) and 13.8 lbs/day (194 mg/l), respectively.

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), and daily for pH, settleable solids and total residual chlorine (May thru Sept).

## Performance Table

Parameters	August	July	YTD Lo	YTD Hi	YTD Ave	2011 Ave	DEP Monthly Limit	Exceedances
Flow GPD	<b>11048</b>	<b>12555</b>	5817	25110	<b>13683</b>	15277	<b>&lt;63000</b>	0
Precip Inches	<b>3.16</b>	<b>1.55</b>	1.46	8.31	<b>3.93</b>	3.89	<b>n/a</b>	0
TSS lbs/day	<b>5.9</b>	<b>5.6</b>	.8	10.3	<b>3.5</b>	2.4	<b>&lt;76</b>	0
TSS mg/l	<b>67.4</b>	<b>55</b>	11.7	67.4	<b>22.9</b>	25.3	<b>&lt;145</b>	0
BOD <sup>5</sup> lbs/day	<b>16.8</b>	<b>13.8</b>	2.5	29.1	<b>9.9</b>	6.3	<b>&lt;107</b>	0
BOD <sup>5</sup> mg/l	<b>194</b>	<b>131.8</b>	25.0	194	<b>68.0</b>	63.0	<b>&lt;203</b>	0
TSS% Removal	<b>77</b>	<b>81</b>	77	96	<b>92.1</b>	90.8	<b>&gt;50</b>	0
BOD% Removal	<b>33</b>	<b>54.6</b>	33	91.4	<b>76.6</b>	78	<b>&gt;30</b>	0
pH lo	<b>6.7</b>	<b>6.7</b>	6.7	6.7	<b>6.7</b>	6.8	<b>&gt;6.0</b>	0
pH Hi	<b>6.9</b>	<b>6.9</b>	6.9	7.0	<b>6.9</b>	7	<b>&lt;9.0</b>	0
S.S. ml/l	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<0.1	<0.1	<b>&lt;0.1</b>	<0.1	<b>Report</b>	0
TRC mg/l	<b>.02</b>	<b>.02</b>	.02	.02	<b>.02</b>	.02	<b>&lt;.052-max</b>	0
F Col/100 ml	<b>&lt;8.7</b>	<b>&lt;1</b>	<1	<18	<b>&lt;6.3</b>	<3.1	<b>&lt;15-ave</b>	1
F Col/100 ml	<b>100</b>	<b>&lt;1</b>	<1	190	<b>&lt;20.9</b>	<7.3	<b>&lt;50-max</b>	3

**Note:** The last exceedance for flow was *78 months ago (2/2006)*. No exceedance for pH, TRC, TSS and BOD<sup>5</sup> has occurred for *84 months (8/2005)*.

### September 2012 Snapshot

The NVC Sewer Department was back to being in full compliance with its discharge license in September. Side-by-side testing results for fecal coliform on effluent samples taken with the Isco pump versus hand-dipped samples taken directly from the manhole were inconclusive. The side-by-side samples for the last three weeks of fecal coliform testing were all negative.

Flow during September averaged around 5,000 gpd. Precipitation as measured by the BWD at the Little River Station was 3.52 inches.

### Consent Agreement Status

Nothing new to report.

### Sewer Improvement Projects

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 – Bids to complete the treatment plant sewer improvement projects were received. Sargent's bid for \$36,064 was the low bid and accepted. Manter's bid was \$84,970. The starting date for the project has not been announced.

RD GRANT – The undisbursed balance on the grant to completion is now \$49, 149.14

## **Water Department**

### August 2012 Usage and Water Quality

Water consumption during August averaged 38,761 gpd compared to 42,161 gpd in July, 40,621 gpd in August of 2011 and 43,585 gpd in August of 2010.

The average weekly chlorine residual in the drinking water was .17 ppm/Cl<sup>2</sup> compared to the recommended level of less than .2 ppm/Cl<sup>2</sup>. The monthly coliform test result was negative.

### Seasonal Water Service Shut-Offs.

Utility Personnel will begin shutting down water service to the NVC's seasonal customers beginning October 15. Billy Paige, DO will begin his route from the north and work his way south until completion. Customers who wish to have their water connected after October 15th are advised to call the office to have their dwellings put at the end of the Mr. Paige's routing list. Customers doing so, however, must understand that the cost for repairs for damages to the service pipe or meter due to freezing will be the responsibility of the customer. All seasonal services should be off and winterized by November 1.

### Terms and Conditions Revisions

The NVC Water Department's revisions to the Utility's "Terms and Conditions" were submitted to the Board of Trustees under separate cover for their review and comment. The PUC has notified the NVC that the T&C has to be revised to conform to the new Chapter 660 rules of the Maine Public Utilities Commission. Copy of this notification is attached.

The Water Department's recommended revisions are in no way an attempt to circumvent the Board of Trustees and Overseers' rightful responsibility to write their own rules or revisions and, of course, they have the right to do so. The Water Department's intent here is just to get the ball rolling to start the discussion, meet the November 1, 2012 deadline and to provide the Board with a quick assist in doing so.

The Terms and Conditions are the guidelines upon which the water utility provides their service to water customers, including availability, standards, specifications and the conditions which must be met by customers in order to receive water, the Utilities charges and rates, payment terms and disconnection procedures, new service line and main extensions responsibilities, consumer assistance, dispute resolution procedures and other information necessary to identify the terms and conditions of the utility water service. It is necessarily long to provide Utility staff with the guidance that they need to carry out their jobs as well as to comply with the Commission's Rules and Maine Law.

Once the NVC Water Department has approval of the final draft, the plan is to work with the MRWA to properly file the Terms and Condition with PUC for approval.

**Adjourn**

Next meeting scheduled for November 9<sup>th</sup> at 2:30 PM.

Denis Wang moved to adjourn at 3:10 PM, seconded by Ned Lightner, **Voted - majority approved.**

Submitted by Paul Bartels