

**NVC UTILITIES MEETING
MINUTES
June 7, 2013**

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

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

Minutes

Dick Brockway moved to approve the minutes from the May 10th utilities meetings, seconded by Ned Lightner – **Voted and approved.**

Financials

Bill Cressey provided final 2012 financial reports for sewer and water which were circulated and discussed. He also gathered some additional information to be used in the upcoming NVC budget.

Residents Concerns:

There were no concerns reported.

SUPERINTENDENT'S REPORT

June 7, 2013

Sewer Department

April 2013 Effluent Monitoring Data

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

April flows averaged 8,250 gpd compared to 15,200 gpd in 2012 and 26,783 gpd in 2011. Daily flow ranged from a low of 3,700 gpd to a high of 28,100 gpd. Rainfall during the month measured 1.89" versus 4.86" in 2012 and 5.28" in 2011.

TSS and BOD⁵ averaged .9 lbs/day (15.0 mg/l) and 2.4 lbs/day (44.4 mg/l), respectively compared to 3.9 lbs/day (18 mg/l) and 11.0 lbs/day (46.3 mg/l) in April 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, BOD⁵ 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	April	March	YTD Lo	YTD Hi	YTD Ave	2012 Ave	DEP Monthly Limit	Exceed-ances
Flow GPD	8250	14635	4047	14635	8255	11004	<63000	0
Precip Inches	1.89	1.32	.86	3.29	1.85	3.87	n/a	0
TSS lbs/day	.9	2.0	.4	2.0	1.0	2.7	<76	0
TSS mg/l	15.0	10.4	9.7	23.8	14.8	26.4	<145	0
BOD ⁵ lbs/day	2.4	4.0	1.2	4.0	2.3	7.8	<107	0
BOD ⁵ mg/l	44.4	20	20	56.8	37.0	77.6	<203	0
TSS% Removal	94.8	96.4	91.8	96.7	94.9	90.6	>50	0
BOD% Removal	84.7	93.1	80.4	93.1	87.2	74.0	>30	0
pH lo	6.8	6.7	6.7	6.8	6.8	6.7	>6.0	0
pH Hi	7.0	7.0	6.9	7.0	7.0	6.9	<9.0	0
S.S. ml/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	Report	0
TRC mg/l	n/a	n/a	n/a	n/a	n/a	.02	<.052	0
F Col/100 ml	n/a	n/a	n/a	n/a	n/a	<4.4	<15-ave	0
F Col/100 ml	n/a	n/a	n/a	n/a	n/a	<11.4	<50-max	0

Note: The last exceedance for flow was **85 months ago (2/2006)**. No exceedance for pH, TRC, TSS and BOD⁵ has occurred for **91 months (8/2005)**. The last exceedance for fecal coliform was **8 months ago (8/2012)**.

May 2013 Snapshot

The NVC Sewer Department was in full compliance with its discharge license in May. Flow during the month averaged about 15,000 gpd. Precipitation as measured by the BWD at the Little River Station was 5.08 inches.

Sewer Improvement Projects (SIP)

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 (Harlen Pease) to complete the installation of the tidewater transducer.

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

WARRANTY ITEMS – Scheduled for June 13: replacement of “no mooring” buoy and three additional outfall pipe anchors.

In-house Testing of Bio-chemical Oxygen Demand (BOD) and Total Suspended Solids (TSS)

The Utility Department has finished equipping the Utility lab to start the training of the Collection System Operator (Billy Paige) to conduct the in-house weekly testing of the

treated wastewater discharge for the concentration of Total Suspended Solids (TSS). Further equipment purchases and training to perform the BOD testing is planned for later this summer.

With last weeks announcement from the commercial lab the utility uses of a \$10 increase in the cost of sample pick up each week, the Sewer Department now believes the transition from outside to inside testing will accordingly increase the savings to the community from \$1500 to about \$2000 per year once the cost of purchasing the necessary lab equipment (mostly pre-owned) is paid for. The payback for the equipment should be about 14 months.

Water Department

April 2013 Usage and Water Quality

Water consumption during April averaged 12,209 gpd compared to 11,728 in 2012 and 12,043 in 2011.

The average weekly chlorine residual in the drinking water was .16 ppm/Cl² compared to the recommended level of >.20 to <1.0 ppm/Cl². The monthly coliform test result was negative. The NVC purchases its water from the Belfast Water District.

New Water Customer

The NVC Water Department has added a new customer on Route 1 on property abutting Little River to its list of water customers. With this addition, the NVC Water Department will now serve 317 customers. The Department also has commitments for at least another two water customers who should come online in 2013.

Operator Training Session

Billy Paige, the NVC Distribution Operator (DO) attended an operator training session in Brewer on Wednesday, May 22. Topics discussed included water main repairs, ice pigging technology to clean the interior of water mains, drinking water boil orders, and leak detection. The program was sponsored by the Maine Water Utilities Association.

Adjourn

Next meeting scheduled for July 12th at 10:00 AM.

Judy Metcalf moved to adjourn at 3:20 PM, seconded by Ned Lightner, **Voted - majority approved.**

Submitted by Paul Bartels