

**NVC UTILITIES MEETING
MINUTES
January 11, 2013**

Present: Chairman David Crofoot; Committee members: Ned Lightner; Judy Metcalf by phone, and Denis Wang; 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.

Financials

Bill Cressey provided financial reports for sewer and water which were circulated and discussed. The reports covered the year 2012 which Bill pointed out that there will be changes as we prepare for the 2012 audit. The new customers helped keep the budgets in line. Bill provided a spreadsheet of the current long term debt, as requested by chairman Crofoot at the last meeting.

Minutes

Denis Wang moved to approve the minutes from the October 5th utilities meetings, seconded by Ned Lightner – **Voted and approved.**

SUPERINTENDENT’S REPORT

January 11, 2012

Sewer Department

November 2012 Effluent Monitoring Data

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

Monthly flow averaged 5,203 gpd compared to 11,760 gpd in November of 2011 and 27,207 gpd in November of 2010. Daily flow ranged from a low of 1,800 gpd to a high of 16,800 gpd. Rainfall during the month measured 1.32” versus 2.76” in November of 2011 and 6.17” in November of 2010.

TSS and BOD⁵ averaged 0.6 lbs/day (18.5 mg/l) and 2.1 lbs/day (57.8 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, 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	November	October	YTD Lo	YTD Hi	YTD Ave	2011 Ave	DEP Monthly Limit	Exceed- ances
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Flow GPD	5203	5077	5020	25110	11342	15277	<63000	0
Precip Inches	1.32	6.23	1.32	8.31	3.86	3.89	n/a	0
TSS lbs/day	0.6	1.5	0.6	10.3	2.9	2.4	<76	0
TSS mg/l	18.5	39.6	11.7	67.4	26.9	25.3	<145	0
BOD ⁵ lbs/day	2.1	3.9	2.1	29.1	8.3	6.3	<107	0
BOD ⁵ mg/l	57.8	105	25.0	194	79.4	63.0	<203	0
TSS% Removal	93.6	86.3	77	96	90.7	90.8	>50	0
BOD% Removal	80.1	63.9	33	91.4	73.5	78	>30	0
pH lo	6.7	6.7	6.7	6.7	6.7	6.8	>6.0	0
pH Hi	6.8	6.9	6.8	7.0	6.9	7	<9.0	0
S.S. ml/l	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	Report	0
TRC mg/l	.02	.02	.02	.02	.02	.02	<.052	0
F Col/100 ml	n/a	n/a	<1	<18	<4.4	<3.1	<15-ave	1
F Col/100 ml	n/a	n/a	<1	190	<11.4	<7.3	<50-max	3

Note: The last exceedance for flow was **80 months ago (2/2006)**. No exceedance for pH, TRC, TSS and BOD⁵ has occurred for **86 months (8/2005)**. The last exceedance for fecal coliform was **3 months ago (8/2012)**.

December 2012 Snapshot

The NVC Sewer Department was in full compliance with its discharge license in December. Flow during the month averaged 7,295 gpd. Precipitation as measured by the BWD at the Little River Station was 3.93 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 – Still in progress. Remaining items to complete: Install high tide transducer.

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

WARRANTY ITEMS – Sargent will return to the Village to install three more concrete anchors onto the new deep ocean outfall pipe between where the pipe daylights from underground to the first concrete anchor approximately 38 feet away or where the first “No Mooring Buoy” is located. The Dirigo Engineering design plan requires anchors every 10 feet. Sargent will also come back to replace the outermost “No Mooring Buoy” that marks the end of the outfall pipe and was discovered last month to be partially submerged and taking on water.

Closed Consent Agreement/EPA 301(h) Waiver

With the DEP approved SIPs substantially complete, the Commissioner of the Maine Board of Environmental Protection and Maine Attorney General's Office have agreed to

the DEP proposed Amended Consent Agreement. Signed on December 5, 2012, the agreement officially closes out the conditions of the August 2003 Consent Agreement. The Amended Consent Agreement effectively reinstates the State of Maine's concurrence with the federal government's EPA 301(h) waiver from the secondary treatment requirement.

While the State of Maine is no longer pushing the NVC to fund and construct a \$4-6 million project to upgrade or replace the existing primary system with a secondary treatment plant, incumbent and successor operating staff and village officials must still understand that the EPA has the authority to pull this waiver at anytime. Therefore the possibility of future enforcement action to require secondary treatment will always remain.

The NVC 301(h) waiver was just one of only twenty waivers granted by EPA across the continental United States in the late 1970's and early 1980's. Of the twenty waivers given, fifteen were in the State of Maine alone and half of those have now been rescinded. Most recently, the nearby towns of Winterport, Bucksport and Milbridge had their waiver renewals denied and all are now in the process of attempting to find millions of dollars in funding or are in design or construction phases to go secondary.

As a reminder, wastewater discharge permits and EPA 301(h) waivers must be renewed and approved every five years. The NVC's March 13, 2009 renewal application for its permit was approved by DEP on January 19, 2011 and the EPA tentatively has given approval to the NVC's request to extend its waiver from the secondary treatment requirement. However, the NVC and DEP are still waiting for the EPA's final approval and in the interim operates under the same conditions of the permit and waiver that expired on June 29, 2009.

Water Department

November 2012 Usage and Water Quality

Water consumption during November averaged 14,200 gpd compared to 13,762 in November of 2011 and 14,057 in November of 2010.

The average weekly chlorine residual in the drinking water was .13 ppm/Cl² compared to the recommended level of .2 ppm/Cl². The monthly coliform test result was negative.

NVC Utility Garage and Testing Lab

Billy Paige is busy with the final stage to complete the transformation of the empty space behind the Testing Lab into a now very functional Utility Garage. Toilet, toilet partitions, wash tub plumbing, shelving and work bench construction is currently underway.

Adjourn

Next meeting scheduled for February 8th at 2:30 PM.

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

Submitted by Paul Bartels