

**NVC UTILITIES MEETING
MINUTES
November 9, 2012**

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

Resident: Marge Brockway.

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

Minutes

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

Financials

Bill Cressey provided financial reports for sewer and water which were circulated and discussed. Bill suggested setting up a capital expense account for funds that were spent on the utility building, Judy pointed out that the Village would be in control of that. Bill said he would bring it up at the Overseers meeting Sunday.

Dr. Crofoot requested a spreadsheet of our outstanding Bond obligations. Bill said he has that and will send it to him.

SUPERINTENDENT'S REPORT

November 9, 2012

Sewer Department

September 2012 Effluent Monitoring Data

The NVC was in full compliance with its wastewater discharge license in September. There were no license exceptions.

Monthly flow averaged 5,020 gpd compared to 6,887 gpd in September of 2011 and 14,410 gpd in September of 2010. Daily flow ranged from a low of 2,700 gpd to a high of 8,000 gpd. Rainfall measured 3.52" versus 2.62" in September of 2011 and 6.47" in September of 2010.

TSS and BOD⁵ averaged 2.0 lbs/day (54.3 mg/l) and 5.9 lbs/day (170 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), and daily for pH, settleable solids and total residual chlorine (May thru Sept).

Performance Table

Parameters	September	August	YTD Lo	YTD Hi	YTD Ave	2011 Ave	DEP Monthly Limit	Exceedances
Flow GPD	5020	11048	5817	25110	12720	15277	<63000	0
Precip Inches	3.52	3.16	1.46	8.31	3.88	3.89	n/a	0
TSS lbs/day	2.0	5.9	.8	10.3	3.3	2.4	<76	0
TSS mg/l	54.3	67.4	11.7	67.4	26.4	25.3	<145	0
BOD ⁵ lbs/day	5.9	16.8	2.5	29.1	9.5	6.3	<107	0
BOD ⁵ mg/l	170	194	25.0	194	79	63.0	<203	0
TSS% Removal	81.3	77	77	96	90.9	90.8	>50	0
BOD% Removal	41.4	33	33	91.4	73.8	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-max	0
F Col/100 ml	<1	<8.7	<1	<18	<4.4	<3.1	<15-ave	1
F Col/100 ml	<1	100	<1	190	<11.4	<7.3	<50-max	3

Note: The last exceedance for flow was *78 months ago (2/2006)*. No exceedance for pH, TRC, TSS and BOD⁵ has occurred for *84 months (8/2005)*. The last exceedance for fecal coliform was *one month ago (8/2012)*

October 2012 Snapshot

The NVC Sewer Department was in full compliance with its discharge license in October. Flow during October averaged 5,077 gpd. Precipitation as measured by the BWD at the Little River Station was well above normal at 6.23 inches.

Amended Consent Agreement

A signed original of the Amended Consent Agreement has been returned to the Maine DEP for the signature approval of the State of Maine Board of Environmental Protection and Attorney General's office. The DEP's proposed amended agreement was received by the NVC and circulated electronically to Board members on October 12, 2012 ahead of President Huntoon's and Chairman Dr. Crofoot's signatures on October 24 and October 26, respectively. The intent of the amended Agreement is to once and for all:

- close out and end the enforcement action of the 2003 consent agreement
- end the semi-annual letter reporting requirement to fund and build a secondary wastewater treatment plant
- reinstate Maine DEP uniformity with the EPA's 301(h) waiver from the secondary treatment requirement the Village was given in 1985 which led to the design, approval and construction of the existing primary wastewater treatment plant.

The amended Agreement has been posted by DEP for the required thirty day public comment period. The comment period will expire at the end of November. Assuming

there are no “impediments”, the Agreement should be finalized and a done deal by early December.

Tank Cleaning

Moore’s Septic has completed their fall cleaning of the treatment trains 2 and 3. No leaks were reported. Approximately 5700 gallons of 2-3% solids were removed.

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 – Sargent began work on Tuesday, October 30th and plans to substantially complete the O&M improvements to the wastewater treatment plant by November 20. In addition to the six improvements listed in prior reports, the Sewer Department asked Dirigo and Sargent to add on to the list the replacement of the cribbing and decking in the sumps beneath the two chemical tanks inside the control building using chemical resistant composite materials. The 23 year old pressure treated wood was found rotted once the two chemical tanks were removed to install the new dechlorination line.

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

Judy Metcalf asked Dick McElhaney how we were going to spend the rest of the grant money since we were obligated to do so. Dick went over a list of small projects which were eligible to do with these funds.

Cobe and Bluff Road Corner Sewer Main Smoke Test

Smoke testing of the sewer main along upper Cobe Road and the corner of Bluff Road south has been completed. Small leaks were identified in a Bluff Road private sewer line and in the utility’s sewer lateral off of upper Cobe Road. This lateral extends 300 ft diagonally from Cobe Road underneath the foundation of an old horse barn to service the barn’s main house which borders on Bluff Road.

Discussion:

The Reids were notified in a letter with pictures of the smoke coming up next to their tennis court. If we don’t hear from them soon we will follow up and discuss this with them that their damaged sewer drain must be fixed.

The residents of the privately owned sewer line have been alerted of the need to repair. The utility may want to terminate, at some point down the road, the sewer lateral on Cobe Road and reroute the sewer service line from the main house to the sewer main on Bluff Road.

Discussion:

The Utility Board suggested the Superintendent seek leftover funds from the USDA grant (if any remains after the WTP SIP's are completed and would be permissible by USDA) to reroute the sewer house connection and abandon the leaky lateral now rather than to wait to do it later.

Water Department

September 2012 Usage and Water Quality

Water consumption during September averaged 22,578 gpd compared to 38,761gpd in August, 26,631 gpd in September of 2011 and 36,562 gpd in September of 2010.

The average weekly chlorine residual in the drinking water was .05 ppm/Cl² compared to the recommended level of less than .2 ppm/Cl². The monthly coliform test result was negative.

Water Leak

Billy Paige discovered a 25 gpm water leak during his review of the water flow recording chart on Thursday, November 1. With the help of MRWA personnel, the location of the leak was found later that same day. A 1-inch water valve that formerly serviced two seasonal properties on Tall Oaks Drive was tampered with (perhaps knowingly or unknowingly) and found wide open. This surface line was abandoned in the spring of 2010. The Water Utility plans to dig this valve up and cap it to prevent this from happening again.

Adjourn

Next meeting scheduled for December 7th at 2:30 PM.

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

Submitted by Paul Bartels