

**NVC UTILITIES MEETING
MINUTES
May 11, 2012**

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

The meeting was called to order by Chairman Crofoot at 2:30 PM.

Minutes

Ned Lightner moved to approve the minutes from the last meeting, seconded by Dick Brockway, **Voted – majority approved.**

Treasurers Report

Bill Cressey expressed his satisfaction with the expenditures compared to Budget. The closing of the loan portion of the sewer outfall project will be done after next week. The PUC Financial report has been filed.

Dick McElhaney said CD withdrawals he made were not showing up on the sewer and water sinking fund lines. Bill said he would look into it and have it show up on the Phase III line.

Judy Metcalf, on request from Gordon Fuller, asked if his two properties could somehow be combined into one account for water and sewer. Dick McElhaney said he would look into it.

SUPERINTENDENT'S REPORT

May 11, 2012

Sewer Department

March 2012 Effluent Monitoring Data

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

Monthly flow averaged 9,106 gpd compared to 42,016 gpd in March of 2011 and 37,474 gpd in March of 2010. Flow this March ranged from a low of 4600 gpd to a high of 14,600 gpd.

Precipitation was 1.49" compared to 4.73" March of 2011. The current 3 month YTD total is 5.16" versus 10.18" for the same time last year.

TSS and BOD averaged .8 lbs/day (14 mg/l) and 3.1 lbs/day (53.8 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 violations.

Performance Table

Parameters	March	February	YTD Lo	YTD Hi	YTD Ave	2011 Ave	DEP Monthly Limit	Violations
Flow GPD	9106	5817	5817	10829	8584	15277	<63000	0
Precip Inches	1.49	2.22	1.46	2.22	1.72	3.89	n/a	0
TSS lbs/d	.8	.8	.8	1.3	.93	2.4	<76	0
TSS mg/l	14	13.1	11.7	14	12.9	25.3	<145	0
BOD lbs/d	3.1	3.5	2.5	3.5	3.0	6.3	<107	0
BOD mg/l	53.8	74.8	25.0	74.8	51.2	63.0	<203	0
TSS % Rem	95.2	95.5	95.2	96	95.6	90.8	>50	0
BOD % Rem	81.5	74.2	74.2	91.4	82.4	78	>30	0
pH lo	6.7	6.7	6.7	6.7	6.7	6.8	>6.0	0
pH Hi	6.9	6.9	6.9	7.0	6.93	7	<9.0	0
S.S. ml/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	Report	0
F Col/100 ml	n/a	n/a	n/a	n/a	n/a	<3.12	<15-ave	0
F Col/100 ml	n/a	n/a	n/a	n/a	n/a	<7.25	<50-max	0

Note: The last wastewater discharge license violation was **73 months ago (2/2006)** and for flow. No violation for pH, fecal coliform, TRC, TSS and/or BOD has occurred for **79 months (8/2005)**.

April 2012 Snapshot

The NVC Sewer Department was again in full compliance with its discharge license in March. Flow averaged around 15,000 gpd. Precipitation as measured by the BWD at the USGS Little River Station was 4.86 inches.

Spring Septic Tank Cleaning

Moore's Septic was in the Village on Friday, April 27, 2012 to clean out tanks 1 and 2 of trains 2 and 3 at the treatment plant. Sludge and scum volumes were typical.

Stevens Pump and Electric

Coordinated with the tank cleaning, Stevens Pump and Electric was called in to perform their annual inspection and maintenance of the Shore Road Pump Station and to make confined space entries at the treatment plant to:

1. replace the chemical feed pump tubing between the treatment plant building and (a) the chlorination and (b) de-chlorination manholes and
2. run new effluent sampling lines from the ISCO automatic sampler in the treatment plant building to (a) the discharge point of the underground chlorine contact chamber and (b) the effluent from de-chlorination manhole.

ISCO Automatic Sampler

Fernie Barton, WTP Operator has been reporting problems with the controller and pump on the department's ISCO Sampler. This is the sampler used to collect daily grab samples of the effluent for pH, settleable solids and seasonal chlorine residual testing as well as weekly 24 hr. automatic composite samples that are sent out to an independent lab for

compliance testing (TSS; BOD). Given the 20 plus year age of the existing sampler, the department recommends the purchase of a new ISCO refrigerated sampler (\$4000) rather than to attempt a repair of the old one. The ISCO sampler was chosen based on its reliability and size – the department has limited space inside the WTP control building. The ISCO samplers are the industry standard in wastewater sampling. Delivery is 2-3 weeks. The department will hand grab 24 hr composite samples in the interim if it becomes necessary.

David Crofoot moved to purchase an ISCO sampler for up to \$4,000.00, seconded by Judy Metcalf – **Voted all in favor**. Funds will come from the Phase III line item account.

2003 DEP Consent Agreement Interim Funding Report

The next semi-annual interim funding report to the DEP is due at the end of this May. The report updates the DEP on the NVC's efforts to fund required improvements to the sewer collection system and treatment plant. The reporting and improvements are conditions of the 2003 DEP Consent Agreement. The report will discuss the USDA funding package to complete the replacement of the ocean outfall pipe, repairs to the two leaking septic tanks at the WTP and the pending project to replace the sewer main on Cobe Road.

2011 Consumer Confidence Report CCR

The 2011 CCR and Water Quality Report are ready and according to Paul Bartels, Office Manager, he will send them out with this May's trimesterly billing.

Chlorination/Dechlorination System

Fernie Barton is presently preparing the start-up of the Chlorination/Dechlorination system for the upcoming swimming season. The NVC discharge permit requires chlorination from May 15 to Oct 1. The department uses liquid sodium hypochlorite to kill disease causing bacteria (pathogens) and then de-chlorinates to remove residual chlorine using liquid sodium bisulfite to protect aquatic life that might be sensitive to chlorine. During the season, Fernie also takes grab samples twice per day to test for chlorine residual and then once per week for delivery to an off-site laboratory to test for fecal coliform (an indicator organism for potential pathogen presence) to further confirm the disinfection of the effluent is fully complete.

Sewer Improvement Projects

OUTFALL PIPE - Completed.

TANKS – G&G for the second time was a no-show to seal the cracks on April 13, 2012. Accordingly Dirigo and Sargent employees bailed out around noontime on that day after several attempts to communicate with G&G went unanswered.

On Monday, April 16 Sargent employees themselves attempted again, failed again and then on a May 4 failed one more time in stopping the leak on tank #2 - this time because of a faulty piece of their equipment. The leak in Tank #1 has been stopped. The tanks

have been filled up halfway with treated effluent from the other two trains until which time Sargent comes back to attempt again. The train has been off-line since before 2000.

RD GRANT – The undisbursed balance on the grant to completion is \$216,898 - same as last month.

CONTRACT AMENDMENT COBE ROAD – The USDA has approved the final design of the replacement of the sewer main on Cobe Road, thus allowing Dirigo to send the project out to bid. Bids were received and the bid opening was held on May 11 at 2 pm just prior to this meeting. To move the project along - pending Dirigo's review and approval that the bid meets their expectations - the NVC Sewer Department recommends the Board of Trustees and the Overseers accept the low bid to develop the Cobe Road sewer main replacement project.

Information letters to the residents and property owners of Cobe Road will be sent out once the starting date for the project is announced. The NVC will also give the fire department notice as well as the school if the school is still in session at the start of the project.

Bids were opened for Cobe Road Sewer Main Replacement:

Manter Construction	\$ 93,320.00
Sargent Corporation	93,324.00
Eastwood Contractors, Inc	103,420.00
Lynch Constructors	112,943.00
Jack Barbour, Inc	128,335.00
Ferraiolo Construction, Inc.	128,824.00

David Crofoot moved that the Utility Committee recommend that the Overseers award the Cobe Road Sewer Replacement bid to Manter Construction, contingent on the Dirigo review of the bid process, seconded by Judy Metcalf – **Voted all agreed.**

Water Department

March 2012 Usage and Water Quality

Water consumption during March averaged 11,498gpd compared to 11,843 gpd in February and 12,191 gpd in March of 2011. The average weekly chlorine residual in the drinking water was .15 ppmCl₂ compared to the recommended level of less than .2 ppm. The monthly coliform test result was negative.

George Street Call-In

Billy Paige, Distribution Operator responded after hours to a report from the owner of a water leak on George Street on Saturday, April 21st. The unmetered leak was along the ground (summer service) and among the bushes between the street valve and the water meter. The recording chart confirmed a 2-3 gpm leak.

Meter Storage Building Break-In

Billy reported someone “jimmied” the door open and broke into the meter storage building adjacent to the fire pond on Tuesday or Wednesday, April 25, 2012. The Waldo County Sheriff’s Office responded to Billy’s call. Approximately \$1500-\$2000 in brass and copper fittings were stolen. Billy has since added a padlock to the door and shades to the windows to beef up the building’s security and hide the contents from view. He also is working on a better inventory system of stock going forward so that should this happen again the department will have a better handle on the value of what was taken.

The break-in followed discoveries by Billy Paige and Peter Simpson earlier this spring and ongoing that thieves had stripped out the copper piping from beneath the floors of four summer cottages on Shore Road and one more recently on Bay Street. Scrap or melt values of copper wire and tubing in Maine are running around \$2.50-\$3 per lb. The average home contains 300-400 lbs of copper wire and tubing.

The NVC Utility Department filed a Property and Casualty claim with the NVC’s insurance carrier – Maine Municipal Association.

Adjourn

Next meeting scheduled for June 15th at 2:30 PM.

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

Submitted by Paul Bartels