

**NVC UTILITIES MEETING
MINUTES
November 1, 2013**

Present: Chairman David Crofoot; Committee members: Ned Lightner; Marge Brockway by phone; Distribution Operator Bill E. Paige; Office Manager Paul Bartels; Superintendent Richard McElhaney.

Chairman David Crofoot called the meeting to order at 2:37 PM.

Minutes

Ned Lightner moved to approve the October 11, 2013 Minutes, David Crofoot seconded the motion – **Voted and approved.**

SUPERINTENDENT’S REPORT

November 1, 2013

Wastewater Treatment Plant

September 2013 Effluent Monitoring Data

The NVC Wastewater Treatment Plant was in full compliance with its discharge license in September. There were no license exceedances.

September flows averaged 5,323 gpd compared to 5,020 gpd in 2012 and 6,887 gpd in 2011. Daily flow ranged from a low of 2,800 gpd to a high of 14,100 gpd. Rainfall during the month measured 5.32” versus 3.52” in 2012 and 2.62” in 2011.

TSS and BOD⁵ averaged 1.7 lbs/day (43.1 mg/l) and 3.9 lbs/day (100 mg/l), respectively compared to 2.0 lbs/day (54.3 mg/l) and 5.9 lbs/day (170 mg/l) in September 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	September	August	YTD Lo	YTD Hi	YTD Ave	2012 Ave	DEP Monthly Limit	Exceedances
Flow GPD	5323	10035	4047	15300	10371	11004	<63000	0
Precip Inches	5.32	3.16	.86	6.19	3.32	3.87	n/a	0
TSS lbs/day	1.7	4.0	.4	6.0	2.2	2.7	<76	0
TSS mg/l	43.1	49.0	9.7	49.0	27.3	26.4	<145	0
BOD ⁵ lbs/day	3.9	11.2	1.2	27.2	8.3	7.8	<107	0
BOD ⁵ mg/l	100	140	20	166	85.6	77.6	<203	0
TSS% Removal	85.1	83	83	96.7	90.6	90.6	>50	0
BOD% Removal	65.5	52	42.6	93.1	69.9	74.0	>30	0

pH lo	6.8	6.8	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	.02	.02	.02	.02	.02	.02	<.052	0
F Col/100 ml	<1	<1	<1	<4.6	<1.4	<4.4	<15-ave	0
F Col/100 ml	<1	<1	<1	<10	<1.6	<11.4	<50-max	0

Note: The last exceedance for flow was **90 months ago (2/2006)**. No exceedance for pH, TRC, TSS and BOD⁵ has occurred for **96 months (8/2005)**. The last exceedance for fecal coliform was **13 months ago (8/2012)**.

October 2013 Snapshot

The NVC Wastewater Treatment Plant was in full compliance with its discharge license in October. Flow during the month will average around 2100 gpd. The report for precipitation as measured by the BWD at the Little River Station will be around 1.5 inches.

Sewer Improvement Projects (SIP)

WARRANTY ITEMS – Waiting for Sargent to repair the damaged water service line from the Yacht Club to the Wharf – requested to be done in the next couple weeks or before May 15 next year if Sargent can't complete it this fall.

RD LOAN and GRANT (\$600,000) – The remaining balance (\$2,400) of the RD loan/grant has been disbursed into the NVC's SIP checking account for the final payments to the vendors once the last issue over the warranty item (water service to wharf) is resolved. Dirigo and Sargent have both agreed to accept \$1200 each or about half of what had been previously billed by them to close out the project.

Seasonal Disinfection

Fernie has shut down and cleaned out the chemical feed pumps and tanks for the year ending the season of swimming and boating on the bay without incident or any permit violations for bacteria.

Tank Cleaning

Moore's Septic performed the fall cleaning of the No. 2 and No. 3 trains of the septic tanks on October 18. The Department will now use the No. 1 train for treatment until next summer. Nos. 2 and 3 will be refilled and then closed off for the winter.

Treatment Plant Yard Hydrant

The conversion of the water source for the treatment plant's 1-1/2-inch yard hydrant from fire pond water to public water has been completed. The NVC conversion was masterfully coordinated by Billy with Dean Brown Construction and the Belfast Water District who assisted the Village with the live tap on October 28, 2012.

Water

September 2013 Usage and Water Quality

Water consumption during September averaged 22,608 gpd compared to 22,578 in 2012 and 26,631 in 2011.

The average weekly chlorine residual in the drinking water was .08 ppm/Cl² compared to the recommended level of >.20 to <1.0 ppm/Cl². The monthly coliform test result was negative. The NVC purchases pre-chlorinated water from the Belfast Water District to serve its customers.

New Water Customer

The NVC Water Department welcomes Martha Reeves Field of 460 Bluff Road as its 320th and newest customer of the NVC Water System. The water service for this new home was activated on October 15, 2013

Proposed Utility Budgets for 2014

The proposed budgets for the water and sewer departments have been submitted to the Board of Trustees under separate cover for their review and approval. The zero-dollar budgets match incoming revenues with outgoing expenses.

Both utilities will still be able to make sizeable contributions to their respective reserve accounts without any rate increase. New costs to rent the Bluff Road Testing Lab as well as a significant reduction in the Village's contribution to the Sewer Department were offset by reduced treatment plant operating expenses as a result of the sewer improvement projects completed in 2012 and the decision earlier this year to perform the weekly testing of the effluent for TSS and BOD in-house.

The last rate increase for both utilities was in the fall of 2005.

Ned Lightner moved to recommend the Sewer Budget presented by Dick McElhaney to the Board of Overseers at their next meeting, seconded by David Crofoot – **Voted and approved.**

Ned Lightner moved to recommend the Water Budget presented by Dick McElhaney to the Board of Overseers at their next meeting, seconded by David Crofoot – **Voted and approved.**

Adjourn

Ned Lightner moved to adjourn at 3:21 PM, seconded by Marge Brockway, **Voted - majority approved.**

Submitted by Paul Bartels