

NVC UTILITIES MEETING

MINUTES

June 10, 2016

Present: Chairman David Crofoot; Committee members: Denis Wang, Judy Metcalf by phone and Dick Brockway; William Paige, D.O., Paul Bartels, Dick McElhaney

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

Minutes

Denis Wang moved to accept the minutes of the May meeting, seconded by Judy Metcalf – **Voted and all approved.**

Dick McElhaney reported on the relining of the Bay Street Sewer. The project is complete, it took one day. Camera inspection revealed a small hairline crack near the end of the pipe. Dick was not concerned about it, but Eastern Pipe Services will return in the fall and repair it with a fiberglass sleeve and epoxy.

Dick Brockway discussed a Water Flow Balance brochure he is working on to show the volume of water purchased and where it ends up. Will include it in the September billing.

Bill Paige recapped the Maple Street project. Minor problems came up that required spot excavations to fix before the pavers came. Farley will be back next spring to video the sewer main to make sure nothing moved.

SUPERINTENDENT'S REPORT

NORTHPORT VILLAGE CORPORATION - UTILITIES DEPARTMENT

June 10, 2016

Sewer Department

April 2016 Effluent Monitoring Data

The NVC Wastewater Treatment Plant (WTP) was in full compliance with its wastewater discharge license in April. There were no license exceedances.

April flow averaged 16,716 gpd compared to 34,940 gpd in 2015. Daily flow ranged from a low of 5,100 gpd to a high day of 51,500 gpd during the month. Precipitation for the month was 2.81" versus 3.29" in 2015.

TSS and BOD⁵ averaged 1.1 lbs./day (11.8 mg/l) and 3.3 lbs./day (41.3 mg/l), respectively compared to 2.0lbs/day (9.7 mg/l) and 3.7lbs/day (16.2 mg/l) in April of 2015.

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 (ss), and twice per day for total residual chlorine (May thru Sept).

Monthly Performance Table

Parameters	April	March	February	YTD Lo	YTD Hi	YTD Ave	2015 Ave	DEP Monthly Limit	Exceedances
Flow GPD	16,716	21,584	27,859	16089	27859	20,562	15407	<63000	0
Precip Inches	2.81	4.04	5.38	2.79	5.38	3.76	3.84	n/a	0
TSS lbs/day	1.1	2.0	3.0	1.1	3.0	1.9	3.3	<76	0
TSS mg/l	11.8	7.5	13.1	7.5	17.0	12.4	28.7	<145	0
BOD ⁵ lbs/day	3.3	5.4	8.7	3.3	8.7	5.3	8.7	<107	0
BOD ⁵ mg/l	41.3	21	40.8	21.0	53.5	39.2	104.6	<203	0
TSS% Removal	95.9	97.4	95.5	94	97.4	95.8	89.2	>50	0
BOD% Removal	85.8	92.8	85.9	82	92.8	86.6	63.9	>30	0
pH lo	6.7	6.8	6.8	6.7	6.8	6.78	6.92	>6.0	0
pH Hi	7.0	7.0	7.2	7.0	7.2	7.08	7.15	<9.0	0
S.S. ml/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	Report	0
TRC mg/l	na	na	na	na	na	na	.02	<.052	0
F Col/100 ml	na	na	na	na	na	na	<1.26	<15-ave	0
F Col/100 ml	na	na	na	na	na	na	<1.58	<50-max	0

Note: The last exceedance for flow was *121 months ago (2/2006)*. The last exceedance for fecal coliform was *42 months ago (8/2012)*. The last exceedance for BOD was *19 months ago (9/2014)*.

May 2016 Snapshot

The NVC WTP is expected to be in full compliance with its license limits in May pending the DEP's completed review of the NVC's discharge monitoring report. Flow during the month averaged 7,668 gpd. The report for precipitation as measured by the Belfast Water District (BWD) at the Little River Station was 2.06 inches.

Bay Street Sewer Main Follow-up Report

Eastern Pipe LLC reported that in their final inspection of their re-lining work on the Bay Street sewer main that they discovered a hair line crack in the new liner at one of the taps along the way. After reviewing the video, the sewer department had no deep concerns, but at no cost to the Village, Eastern Pipe insists that they come back after Labor Day in September when things quiet down to insert a 4 ft. fiberglass epoxy repair sleeve to seal up the crack.

Septic Tanks

Moore's Septic was in the village on May 3, 2016 to pump out the contents of the one train of septic tanks in use over the winter and the chlorine contact chamber. The tanks are pumped out twice per year ahead of the summer arrivals in the spring and again in the fall after they have left. The chlorine contact chamber is pumped out once per year ahead

of the summer requirement to disinfect the final effluent to protect swimmers from the potential of acquiring waterborne diseases. No issues with the tanks were reported.

Chlorination/De-chlorination

Fernie finished prepping the chlorination and de-chlorination system on May 14 to initiate the seasonal disinfection and de-chlorination of the final effluent. The effluent is disinfected to protect public health from May 15 to October 1 and then de-chlorinated to protect aquatic life before being discharged to the ocean.

Drinking Water

April 2016 Usage and Water Quality

Water consumption during April averaged 13,550 gpd compared to 11,380 gpd in 2015. No leaks were reported.

The average weekly chlorine residual in the drinking water was .21 ppm/Cl² compared to the recommended goal of >.20 to <1.0 ppm/Cl². The EPA MCL is 4.0 ppm. The monthly coliform water sample test result was negative.

Next Meeting date set for July 8, 2016 @ 2:30 PM

Voted to adjourn at 3:05 PM

Respectfully submitted by,

Paul Bartels