

NVC UTILITIES MEETING

MINUTES

August 7, 2015

Present: Committee members: Jo Huntoon, Judy Metcalf by phone, Denis Wang; Office Manager Paul Bartels; Superintendent Richard McElhaney, Contractor Jim Bahoosh.

Chairman Crofoot called the meeting to order at 2:40 PM.

Minutes

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

New Sewer Hookup:

Jim Bahoosh is seeking an extension on the sewer application he made last year. Dr. Crofoot reviewed the application and with the committee. The only question at that time was the need for pumping the wastewater up to the sewer main. Dick and Jim discussed a solution and Jim decided to build the house on a slab which eliminates the need for pumping. David Crofoot moved to recommend extending the application for one year to the Overseers, seconded by Denis Wang – **Voted and approved.**

Financials:

There were no issues concerning Financials.

SUPERINTENDENT'S REPORT

NORTHPORT VILLAGE CORPORATION - UTILITIES DEPARTMENT

August 7, 2015

Sewer Department

June 2015 Effluent Monitoring Data

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

June flow averaged 8,367 gpd compared to 11,800 gpd in 2014. Daily flow ranged from a low of 5,100 gpd to a high day of 21,200 gpd during the month. Precipitation for the month was 5.21" versus 4.89" in 2014.

TSS and BOD⁵ averaged 1.9lbs/day (32.3 mg/l) and 12.3lbs/day (195 mg/l), respectively compared to 3.0lbs/day (28.0 mg/l) and 7.1lbs/day (81.8 mg/l) in June of 2014.

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	June	May	YTD Lo	YTD Hi	YTD Ave	2014 Ave	DEP Monthly Limit	Exceed-ances
Flow GPD	8367	4,839	2618	34,940	14822	16113	<63000	0
Precip Inches	4.89	1.88	1.29	4.89	2.98	4.7	n/a	0
TSS lbs/day	1.9	1.1	0.3	2.0	1.26	2.43	<76	0
TSS mg/l	32.3	36	9.7	36	21.3	22.7	<145	0
BOD ⁵ lbs/day	7.1	3.9	1.6	7.1	3.35	8.8	<107	0
BOD ⁵ mg/l	195	127	16.2	195	97.6	95.6	<203	0
TSS% Removal	88.9	87.5	87.5	95.3	92.6	92.2	>50	0
BOD% Removal	32.8	56.2	32.8	94.4	66.3	67.6	>30	0
pH lo	7.0	7.0	6.9	7.0	6.98	6.95	>6.0	0
pH Hi	7.2	7.2	7.2	7.3	7.2	7.23	<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	0.01	<.052	0
F Col/100 ml	<1	<3.16	<1	<3.16	<1.78	<1	<15-ave	0
F Col/100 ml	<1	<10	<1	<10	<3.16	<1	<50-max	0

Note: The last exceedance for flow was **111 months ago (2/2006)**. The last exceedance for fecal coliform was **32 months ago (8/2012)**. The last exceedance for BOD was **9 months ago (9/2014)**.

July 2015 Snapshot

The NVC WTP was in full compliance with its license limits in June pending the DEP's completed review of the NVC's discharge monitoring report. Flow during the month averaged just under 15,000 gpd. The report for precipitation as measured by the Belfast Water District (BWD) at the Little River Station was 1.89 inches.

Drinking Water

June 2015 Usage and Water Quality

Water consumption during May averaged 24,745 gpd compared to 27,760 in 2014. 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.

The NVC drinking water system, considered a "consecutive public water system", serves customers with pre-chlorinated drinking water purchased from the BWD. The water is gravity fed from the BWD's storage tanks and distributions system into the NVC's distribution piping beginning at the Belfast Vault located on Route 1 adjacent to the Little River Bridge crossing.

Disinfection By-Products Test Results

Samples of drinking water taken in June at the head of the NVC distribution system at the Belfast Vault were tested for disinfection by-products. The test result for Total Haloacetic Acids was <1 ppb compared to the EPA MCL of 60 ppb. The test result for Total Trihalomethanes was 3.7 ppb compared to an EPA MCL of 80 ppb.

Haloacetic Acids and Trihalomethanes, at high enough levels and consumed over a lifetime, are considered by EPA as a possible cause of cancer in certain segments of the population.

The test is required by EPA/MDWP every three years.

Next Meeting date set for September 11, 2015 @ 10:00 AM

Voted to adjourn at 2:55 PM