

NVC UTILITIES MEETING

MINUTES

September 11, 2015

Attendees:

Chairman; Dr. David Crofoot
Superintendent; Dick McElhaney
Distribution Operator; Bill E. Paige
Office Manager; Paul Bartels

Board Members:

Dick Brockway
Judy Metcalf, via phone
Denis Wang
Paul Nyren
Steve Flowers

Resident: Cynthia Stuen, by phone

Chairman Crofoot called the meeting to order at 10:00 AM.

Minutes

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

Visitors Concerns:

Cynthia Stuen raised a concern about the timing of the upcoming street work projects. She was told that the board is mindful of any disruptions during high season and will be discussed later in the meeting.

Financials:

There were no major issues concerning Financials.

SUPERINTENDENT'S REPORT

NORTHPORT VILLAGE CORPORATION - UTILITIES DEPARTMENT

September 11, 2015

Sewer Department

July 2015 Effluent Monitoring Data

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

July flow averaged 14,952 gpd compared to 23,419 gpd in 2014. Daily flow ranged from a low of 12,300 gpd to a high day of 18,300 gpd during the month. Precipitation for the month was 1.89" versus 8.07" in 2014.

TSS and BOD⁵ averaged 6.3lbs/day (54.8 mg/l) and 20.5lbs/day (178 mg/l), respectively compared to 6.0lbs/day (38 mg/l) and 23.0lbs/day (141 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	July	June	YTD Lo	YTD Hi	YTD Ave	2014 Ave	DEP Monthly Limit	Exceedances
Flow GPD	14952	8367	2618	34,940	14841	16113	<63000	0
Precip Inches	1.89	4.89	1.29	4.89	2.82	4.7	n/a	0
TSS lbs/day	6.3	1.9	0.3	6.3	1.98	2.43	<76	0
TSS mg/l	54.8	32.3	9.7	54.8	26.08	22.7	<145	0
BOD ⁵ lbs/day	23.0	7.1	1.6	23.0	6.16	8.8	<107	0
BOD ⁵ mg/l	178	195	16.2	195	109.1	95.6	<203	0
TSS% Removal	81.1	88.9	81.1	95.3	90.96	92.2	>50	0
BOD% Removal	38.6	32.8	32.8	94.4	62.3	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	0.13	<0.1	<0.1	0.13	<0.1	<0.1	Report	0
TRC mg/l	.02	.02	.02	.02	.02	0.01	<.052	0
F Col/100 ml	<1	<1	<1	<3.16	<1.47	<1	<15-ave	0
F Col/100 ml	<1	<1	<1	<10	<2.15	<1	<50-max	0

Note: The last exceedance for flow was *112 months ago (2/2006)*. The last exceedance for fecal coliform was *33 months ago (8/2012)*. The last exceedance for BOD was *10 months ago (9/2014)*.

August 2015 Snapshot

The NVC WTP was in full compliance with its license limits in August pending the DEP's completed review of the NVC's discharge monitoring report. Flow during the month averaged just over 15,000 gpd. The report for precipitation as measured by the Belfast Water District (BWD) at the Little River Station was 1.98 inches.

Dick has been in touch with the EPA and feels that the renewal of the 301H waiver is finally well on its way. The waiver permits us to continue with primary treatment and not have to provide secondary treatment. He feels optimistic this time because they have been communicating on a steady basis with him over the last couple months. The NVC has been operating under an expired permit since 2009.

Denis wanted to know if we could test for nitrates for future reference. Denis and Dick will get together and go over the data Dick has and decide what to do.

Drinking Water

July 2015 Usage and Water Quality

Water consumption during July averaged 39,606 gpd compared to 39,944 in 2014. No leaks were reported.

The average weekly chlorine residual in the drinking water was .20 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 distribution system into the NVC’s distribution piping beginning at the Belfast Vault. The vault is located on Route 1 adjacent to the Little River Bridge crossing.

Draft Letter of Agreement

Under separate cover, a draft proposal of a “letter of agreement” between the Town of Northport and the NVC was sent to Utility Board members for their review and comment. The NVC Water Department’s “letter of agreement” requests that the Town share equally with the NVC in the cost to relocate a 100 foot section of 8-inch DI water main, should it fail, whereas the main now sits underground beneath the Shore Road culvert at Kelley Cove. The Town replaced the concrete, rectangular culvert last fall and added to its width in order to widen the road.

The letter was reviewed at the meeting and some changes were requested. Denis Wang moved to recommend the revised letter to the Overseers for their approval, seconded by Steve Flowers – Voted in favor.

Dick McElhaney reviewed the sewer problems on Bay Street. He said that a major problem could occur at any time due to the low slope and poor condition of the existing clay sewer main between MH 2010 and MH 2015. In light of the paving the town has scheduled for the fall of 2016 on Bay Street, the Town’s new five year rule, and since there will be a major project happening on Maple Street, he would like to combine the two projects and do them at the same time in the spring of 2016 or preferably, early next fall ahead of the Town’s paving plans. He estimated that the cost to replace about 170 feet of sewer on Bay St. would be an additional \$20,000. The cost would be absorbed by the sewer department reserve account. Denis moved to recommend that the Bay Street project be added to the existing Maple Street project – Voted and approved.

Dr. Crofoot insisted that any south side sea wall project will only be accessed by water, not over the sewer tanks.

Next Meeting date set for October 9, 2015 @ 2:30 PM

Voted to adjourn at 10:55 AM