

Northport Village Corporation

September 14, 2018

Utilities Meeting Notes

Attendees:

Superintendent: Richard McElhaney
Office Manager: Amy Eldridge

Utilities Board Members Present:

Chairman: Dr. David Crofoot
Gordon Fuller
Dick Brockway
Wendy Huntoon – By Phone

Visitors: Jim Bahoosh and Paul Bernaki

Meeting Called to order: At 2:39 pm by David C.

Approval of Minutes: Gordon F. motioned to approve the July Utilities Minutes. Dick B. seconded the motion, 4 Approved, 0 Opposed, 0 Abstained.

Visitor Concerns: Jim Bahoosh asked for approval from the Utilities Department for the 2 Sewer applications submitted for 500 Bluff Road and 9 Sea Street. He informed that Board members of a time constant issue that would affect the construction due to a 5 year moratorium on roads. David C. motioned to approve the 500 Bluff Road Sewer Application with a notation that the Overseers be notified of the time constant. Dick B. Seconded the motion, Discussion: Dick B. will notify John Spritz and the Overseers to see if a special meeting could be arranged to approve the application. 4 Approved, 0 Opposed, 0 Abstained.

David C. motioned to approve the Sewer Application for 9 Sea St with conditions upon no roof leaders, sump pumps or foundation/floor drains are tied into the building sewer drain. Dick B. seconded the motion. Discussion: Dick B. will notify John Spritz and the Overseers to see if a special meeting could be arranged to approve the application. 4 Approved, 0 Opposed, 0 Abstained.

Financials: Dick M. reported first draft proposals of the 2019 water and sewer budgets will be presented to Trustee members under separate cover.

Neither one of the two proposed budgets will necessitate the need of a rate increase. The last rate increase for water and sewer was in 2005.

Planned capital project costs to replace the Cobe Road water main, the addition of a new fire hydrant on Shore Road and the renovation of the effluent flow measuring manhole at the Wastewater Treatment Plant will be funded from the Utility Department's respective cash reserves and contingency accounts. The Utility Department is shooting for a springtime install.

Dick also reported that a bond would be retiring in 2018 which means 32,000 would be available for

2019. He proceeded to go over the variances on the Water and Sewer Budgets and advised the board that NVC would not be contributing \$5000.00 this year. Dick also mentioned about getting Stevens down to o the annual maintenance for the pump station. He also mentioned that the manhole covers will also need to be possible repaired.

David C. Motioned to accept the proposed budget with amendment to the Overseers in October. Amendment being change line item 6255(Community Hall cleaning) for Sewer and Water to \$300.00 from \$200.00. Gordon F. seconded the motion, 4 Approved, 0 Opposed, 0 Abstained.

Report of the Superintendent:

Sewer Department

July 2018 Effluent Monitoring Data

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

Flow averaged 11,429 gpd compared to 12,252 gpd in 2017. Daily flow ranged from a low of 6,400 gpd to a high of 15,200 gpd during the month. Precipitation for the month was 1.36” versus 1.24” in 2017.

TSS and BOD⁵ averaged 4.5 lbs/day (54.0 mg/l) and 12.2 lbs/day (145 mg/l), respectively compared to 4.9 lbs/day (52.0 mg/l) and 13.2 lbs/day (142.5 mg/l) in 2017.

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

Monthly Performance Table

Parameters	July	June	May	YTD Lo	YTD Hi	YTD Ave	2017 Ave	DEP Monthly Limit	Exceedances
Flow GPD	11429	6300	5923	5923	26757	15751	12017	<63000	0
Precip Inches	1.36	3.86	0.95	.95	8.05	3.68	3.33	n/a	0
TSS lbs/day	4.5	1.8	0.8	0.8	4.5	1.64	1.90	<76	0
TSS mg/l	54.0	44.8	21.8	5.9	54.0	22.1	27.0	<145	0
BOD ⁵ lbs/day	12.2	4.4	2.3	1.8	12.2	4.14	5.34	<107	0
BOD ⁵ mg/l	145	113	61.3	15.3	145	58.3	70.7	<203	0
TSS% Removal	81.4	84.6	92.5	81.4	98.0	93.1	91.3	>50	0
BOD% Removal	50.0	61	78.9	50.0	94.7	81.8	75.6	>30	0
pH lo	6.7	6.7	6.7	6.7	6.7	6.7	6.7	>6.0	0
pH Hi	7.0	6.9	7.0	6.9	7.0	7.0	7.0	<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	0.03	0.02	0.02	0.02	0.03	0.02	0.02	<.052	0
F Col/100 ml	<1	<1	<1	<1	<1	<1	<1	<15-ave	0
F Col/100 ml	<1	<1	<1	<1	<1	<1	<1	<50-max	0

Note: The last exceedance for flow was **147 months ago (2/2006)**. The last exceedance for fecal coliform was **70 months ago (8/2012)**. The last exceedance for BOD was **45 months ago (9/2014)**. The record annual average low for flow was 12,017 gpd in 2017.

August 2018 Snapshot

The NVC WTP is expected to be in full compliance with its license limits in August pending the DEP's completed review of the NVC's discharge monitoring report. Flow averaged 11,319 gpd. The report for precipitation as measured by the Belfast Water District (BWD) at their Little River Station was 4.03 inches.

Drinking Water Department

July 2018 Usage and Water Quality

Water consumption for the month averaged 48,603 gpd compared to 43,203 gpd in 2017. The weekly free chlorine residual in the drinking water ranged from 0.10 - 0.24 ppm/Cl² compared to the recommended goal of >.20 to <1.0 ppm/Cl². The EPA maximum concentration level (MCL) not to be exceeded is 4.0 ppm. The monthly total and e-coli water sample test results were negative.

Annual Chlorine Disinfection By-Products (DBPs) Testing

Samples of the drinking water from the distribution system were taken on August 10 to test for Total Haloacetic Acids (THAAs) and Total Trihalomethanes (TTHMs). The THAAs test result was 1.2 ug/l and well below the EPA Maximum Contaminant Level (MCL) of 60 ug/l. The TTHMs test result was 10.6 ug/l compared to the EPA MCL of 80 ug/l.

Lower Maple Street Water Leak

A NRW water leak coming from the 1.5" copper water main that feeds two customers, the yard hydrant at the WTP and the dock on Lower Maple was stopped with a full-circle repair clamp installed by Matt Brown Construction on Thursday, September 6. The work was supervised by Bill Paige, the water department's distribution operator.

Merithew Park Fire Hydrant Install

The installation of the new fire hydrant previously scheduled for September 10 has been delayed until later in the month or early October due to a scheduling conflict.

Discussions:

Amy E. provided a Utility Billing recap that showed July & August figures to the board (see appendix A).

Meeting Adjourned: David C. motioned to adjourn the meeting at 3:40 p m; Gordon F. seconded the motion, 4 Approved, 0 Opposed, 0 Abstained.

Appendix A:

Utility Billing Recap

July 2018

Water Open Balances \$ 820.48
Sewer Open Balances \$ 1,301.10
Total Open Balances \$ 2,121.58

Utility Billing

328 Total Bill Count
Water charges \$ 58,571.23
Sewer charges \$ 44,513.89
Total \$103,085.12

August 2018

43 Disconnection Notices
9 Past Due as of 09-14-18

Water Open Balances \$ 2,831.26
Sewer Open Balances \$ 2,166.70
Total Open Balances \$ 4,997.96 (as of 09-14-18)

Inactive w/ Lien \$ 1,998.60
Past Due Customers \$ 2,999.36
Total \$ 4,997.96