

Northport Village Corporation

Utilities Department Minutes

February 17, 2017

Present

Judy Metcalf, David Crofoot, Superintendent Richard McElhaney, Wendy Huntoon, William Paige and Amy Eldridge

David Crofoot called the meeting to order at 2:31 p.m.

Minutes

Wendy H. moved to approve the minutes with corrections. All in Favor.

Review of Financials

The committee completed a review of the financials. Discussion: David C. mentioned a couple of line items that were showing on the 2 closing of financials that need to be corrected. Dick M. mentioned that line item 6055, office services for \$ 600.00 was budgeted but was not on the January spreadsheet.

A discussion about the plant operator responsibilities and the CSO filling in for him for a couple of weeks following the plant operator's knee operation occurred.

Visitors Concerns

No visitor concerns were presented.

Superintendent's Report

**SUPERINTENDENT'S REPORT
NORTHPORT VILLAGE CORPORATION - UTILITIES DEPARTMENT**

Delivered by E-mail only

February 17, 2017

Sewer Department

December 2016 Effluent Monitoring Data

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

December flow averaged 18,087 gpd compared to 19,266 gpd in 2015. Daily flow ranged from a low of 1500 gpd to a high of 88,800 gpd during the month. Precipitation for the month was 5.31" versus 4.48" in 2015.

TSS and BOD⁵ averaged 1.5 lbs/day (10.7 mg/l) and 3.4 lbs/day (25.2 mg/l), respectively compared to 1.8 lbs. /day (17.6 mg/l) and 7.9 lbs. /day (86.4 mg/l) in December 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	December	November	October	YTD Lo	YTD Hi	YTD Ave	2015 Ave	DEP Monthly Limit	Exceedances
Flow GPD	18,087	9,823	3,726	3726	27859	14713	15407	<63000	0
Precip Inches	5.31	6.12	3.95	2.06	6.12	3.53	3.84	n/a	0
TSS lbs/day	1.5	4.3	1.1	1.1	6.3	2.7	3.3	<76	0
TSS mg/l	10.7	28	32	7.5	49	26.8	28.7	<145	0
BOD ⁵ lbs/day	3.4	13.7	2.6	2.6	16.6	7.6	8.7	<107	0
BOD ⁵ mg/l	25.2	66	80	21.0	155	77.1	104.6	<203	0
TSS% Removal	96.3	90.4	88.9	80.3	97.4	90.5	89.2	>50	0
BOD% Removal	91.3	77.4	72.3	49.0	92.8	73.8	63.9	>30	0
pH lo	6.8	6.7	6.7	6.6	6.8	6.75	6.92	>6.0	0
pH Hi	7.0	7.1	7.1	6.8	7.2	6.98	7.15	<9.0	0
S.S. ml/l	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	Report	0
TRC mg/l	n/a	n/a	n/a	0.02	0.02	0.02	0.02	<.052	0
F Col/100 ml	n/a	n/a	n/a	<1	<1	<1	<1.26	<15-ave	0
F Col/100 ml	n/a	n/a	n/a	<1	<1	<1	<1.58	<50-max	0

Note: The last exceedance for flow was *129 months ago (2/2006)*. The last exceedance for fecal coliform was *50 months ago (8/2012)*. The last exceedance for BOD was *27 months ago (9/2014)*.

January 2017 Snapshot

The NVC WTP will be in full compliance with its license limits in January pending the DEP's completed review of the NVC's discharge monitoring report. Flow during the month averaged 21,174 gpd. The report for precipitation as measured by the Belfast Water District (BWD) at their Little River Station was 5.06 inches.

Sewage Back-up

Bill Paige responded to a report of a sewage back-up into the basement and outbuilding of 794 Shore Road on Sunday, February 5. Serv-Pro and Moore's Septic were called in to cleanup/sanitize and flush the building sewer drains that gravity into the wet well for the simplex pump station for this residence.

The owner of the outside contractor who recently serviced this pump station was notified of the incident and has asked the NVC to forward all costs associated with the damages. While Bill found there was power to the control panel, toggle switches to the high water alarm and to the pump were found in the off position.

Drinking Water

December 2016 Usage and Water Quality

Water consumption for December averaged 15,381 gpd compared to 12,310 gpd in 2015.

The average weekly chlorine residual in the drinking water was .26 ppm/Cl² compared to the recommended goal of >.20 to <1.0 ppm/Cl². The EPA maximum concentration level (MCL) is 4.0 ppm. The monthly total and e-coli form water sample test result were negative.

Water Leak

The NVC Water Department issued a "leak alert" on Dan Webster's website. The leak was eventually discovered coming from a water meter that froze inside an unheated basement (the heat was turned off) at 15 George Street. The residence was not occupied. 100,000 gallons or more of water was lost over the course of the incident before the leak was stopped.

Judy M informed the NVC Office personal who needs to be aware of the sewer backup. Stevens Is the company whom is taking responsibility for the backup. The owners of 794 shore road should be submitting a claim to their home insurance as well as have NVC contact Maine Municipal Association be aware of the backup and have Stevens file a claim on their end as well. Stevens said that they would pay for all cost accrude due to to the back up. Judy M. advised that all bills need to be sent to Stevens and a request for proof of payment sent to NVC.

A discussion about the George Street water leak, how much water was lost and to bill the party at fault for the estimated amount of lost water at wholesale costs was had. See more information under Water Leak in the Superintendent Report.

Dick M. spoke with Todd Martin the principle of Edna Drinkwater School. Bill P. and Dick M. are scheduled for March 3rd to develop a sampling plan and to take first draw samples for lead testing on March 9.

Other Business

Dick M. advised that we have another water leak that was determined to be a 10 gallon per minute leak. Dick M. will contact Dan Webster to put out a message on BaysideMaine.com. Bill is completing a preliminary check.

March 18, 2017 will be the next Utilities meeting.

Meeting adjourned at 3:31 p.m.

