

Northport Village Corporation

Utilities Department Minutes

January 13, 2017

Present

Judy Metcalf, David Crofoot, Superintendent Richard McElhaney, Wendy Huntoon, William Page, Denis Wang and Amy Eldridge

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

Minutes

Judy M motioned to approve the minutes; Wendy H seconded it, all in favor.

Review of Financials

The committee completed a review of the financials. There were a couple of corrections that Dick M. noticed of which he sent an email to Steve K. with the details of the line items that needed to be corrected.

Judy M. mentioned that a meet and greet with the accounting/bookkeeping firm, Dick M., Bill P., Amy E. and Steve K may be in order for the Office.

Everything financially looks good.

Visitors Concerns

No visitor concerns were present.

Superintendent's Report

Dick M. expressed that the plant was performing efficiently.

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

Delivered by E-mail only.

January 13, 2017

Sewer Department

November 2016 Effluent Monitoring Data

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

November flow averaged 9,823 gpd compared to 18,200 gpd in 2015. Daily flow ranged from a low of 800 gpd to a high of 61,000 gpd during the month. Precipitation for the month was 6.12” versus 3.64” in 2015.

TSS and BOD⁵ averaged 4.3 lbs/day (28 mg/l) and 13.7 lbs/day (66 mg/l), respectively compared to 1.9 lbs. /day (18.5 mg/l) and 6.1 lbs. /day (49.8 mg/l) in November 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	November	October	September	YTD Lo	YTD Hi	YTD Ave	2015 Ave	DEP Monthly Limit	Exceed-ances
Flow GPD	9,823	3,726	7,717	3726	27859	14406	15407	<63000	0
Precip Inches	6.12	3.95	2.30	2.06	6.12	3.37	3.84	n/a	0
TSS lbs/day	4.3	1.1	2.8	1.1	6.3	2.85	3.3	<76	0
TSS mg/l	28	32	48	7.5	49	28.3	28.7	<145	0
BOD ⁵ lbs/day	13.7	2.6	8.3	2.6	16.6	8	8.7	<107	0
BOD ⁵ mg/l	66	80	148	21.0	155	81.8	104.6	<203	0
TSS% Removal	90.4	88.9	83.3	80.3	97.4	90	89.2	>50	0
BOD% Removal	77.4	72.3	49.0	49.0	92.8	72.2	63.9	>30	0
pH lo	6.7	6.7	6.6	6.6	6.8	6.75	6.92	>6.0	0
pH Hi	7.1	7.1	6.8	6.8	7.2	6.98	7.15	<9.0	0
S.S. ml/l	<0.1	<0.1	0.2	<0.1	0.2	<0.1	<0.1	Report	0
TRC mg/l	n/a	n/a	0.02	0.02	0.02	0.02	0.02	<.052	0
F Col/100 ml	n/a	n/a	<1	<1	<1	<1	<1..26	<15-ave	0
F Col/100 ml	n/a	n/a	<1	<1	<1	<1	<1.58	<50-max	0

Note: The last exceedance for flow was *128 months ago (2/2006)*. The last exceedance for fecal coliform was *49 months ago (8/2012)*. The last exceedance for BOD was *26 months ago (9/2014)*.

December 2016 Snapshot

The NVC WTP is expected to be in full compliance with its license limits in December pending the DEP’s completed review of the NVC’s discharge monitoring report. Flow during the month averaged 18,087 gpd. The report for precipitation as measured by the Belfast Water District (BWD) at their Little River Station was 5.31 inches.

Refrigerated Effluent Composite Sampler

The ISCO effluent sampler that was sent out for repairs earlier this year was returned in November and placed back into service in December. The rented sampler from ISCO was returned back to the manufacturer a couple weeks later after Fernie reported that the repaired sampler was functioning properly.

Drinking Water

November 2016 Usage and Water Quality

Water consumption for November averaged 11,905 gpd compared to 12,301 gpd in 2015.

The average weekly chlorine residual in the drinking water was .19 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 was negative.

Edna Drinkwater School

In December, a 50 gpm leak that showed up on the weekly flow monitoring chart was tied to an overnight weekend failure of the school's newly installed fire suppression (sprinklers) system. It was reported that there was extensive damage to the gymnasium floor from the approximate-in-total 8500 gallon release.

Billing and Collections

Amy and Bill report that out of the 321 trimesterly bills sent out for the period ending in September, twenty three (23) customers received 30-day disconnect notices. Eleven (11) customers eventually had their water shut-off for non-payment or with overdue balances of \$100 or more. Two of these eleven are year round services although according to Bill neither household is currently occupied.

Sampling for Lead in School Drinking Water

The Maine Drinking Water Program (DWP) and the Maine Rural Water Association has teamed up to encourage all Maine schools to voluntarily test their drinking water for the presence of lead. Moreover, the DWP is offering to assume the cost of this testing for up to ten (10) water samples. The Edna Drinkwater School is of course a customer of the NVC Water Department. In most cases, elevated levels of lead originate in the water from the internal plumbing and fixtures of the school rather than from the drinking water source itself.

A copy of the letter announcing this joint effort is included herewith under separate cover. Participation is voluntary as EPA does not require public water facilities to test for lead in schools. Should the NVC Board and the school like to join the effort, the NVC Water Department is more than ready to help close the lead testing gap and will contact the school to survey, schedule, collect and transport samples to the HETL lab in Augusta for analysis if and when the go ahead is given. The funding incentive expires on April 1, 2017.

Discussions

Dick M. will contact the school board chair to see about analyzing the lead levels in the drinking water at Edna Drinkwater School.

As we approach 2018 the utilities committee needs to have a good handle on what our long terms needs will be. The Cobe road was mentioned as an upcoming expense in replacing the water line.

February 17, 2017 will be the next Utilities meeting.

Meeting adjourned at 3:27 pm.