

Northport Village Corporation

Utilities Department Minutes

November 11, 2016

Present

Judy Metcalf, Superintendent Richard McElhaney, Wendy Huntoon, William Paige, Dick Brockway by phone and Amy Eldridge

Judy M. called the meeting to order at 2:50 p.m.

Minutes

Dick B moved to approve the minutes, Wendy H seconded, all in FAVOR.

Financials / Budget for 2017

The monthly financials with the treasurer's comments were reviewed. The draft budgets were reviewed with particular reference to the treasurer's comments and the trustees' expressed goals to fund potential employee benefits, assure that adequate funding is in place for testing, and assure that the expenditures are reported on the proper lines of the statements.

Wendy moved that the budgets as corrected and adjusted through this discussion be presented to the Overseers for approval. Dick B. seconded. All in Favor.

Visitors Concerns:

No visitor concerns were presented.

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

Delivered by E-mail only

November 11, 2016

Sewer Department

September 2016 Effluent Monitoring Data

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

September flow averaged 7,717 gpd compared to 15,533 gpd in 2015. Daily flow ranged from a low of 4,500 gpd to a high of 13,300 gpd during the month. Precipitation for the month was 2.30" versus 11.83" in 2015.

TSS and BOD⁵ averaged 2.8 lbs/day (48 mg/l) and 8.3 lbs/day (148 mg/l), respectively compared to 15.1 lbs/day (39.2 mg/l) and 24.9 lbs/day (113.4 mg/l) in Sept. 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	September	August	July	YTD Lo	YTD Hi	YTD Ave	2015 Ave	DEP Monthly Limit	Exceedances
Flow GPD	7,717	13,698	17,668	7668	27859	16102	15407	<63000	0
Precip Inches	2.30	0.69	3.62	2.06	5.38	2.99	3.84	n/a	0
TSS lbs/day	2.8	4.9	6.3	1.1	6.3	2.9	3.3	<76	0
TSS mg/l	48	49	46.6	7.5	49	27.9	28.7	<145	0
BOD ⁵ lbs/day	8.3	15.7	16.6	3.3	16.6	7.9	8.7	<107	0
BOD ⁵ mg/l	148	155	124	21.0	155	83.8	104.6	<203	0
TSS% Removal	83.3	80.3	83.9	80.3	97.4	90.1	89.2	>50	0
BOD% Removal	49.0	49.6	57.2	49.0	92.8	71.6	63.9	>30	0
pH lo	6.6	6.7	6.6	6.6	6.8	6.77	6.92	>6.0	0
pH Hi	6.8	6.8	6.9	6.8	7.2	6.96	7.15	<9.0	0
S.S. ml/l	0.2	0.1	0.1	<0.1	0.2	0.1	<0.1	Report	0
TRC mg/l	0.02	0.02	0.02	0.02	0.02	0.02	0.02	<.052	0
F Col/100 ml	<1	<1	<1	<1	<1	<1	<1.26	<15-ave	0
F Col/100 ml	<1	<1	<1	<1	<1	<1	<1.58	<50-max	0

Note: The last exceedance for flow was 126 months ago (2/2006). The last exceedance for fecal coliform was 47 months ago (8/2012). The last exceedance for BOD was 24 months ago (9/2014).

Seasonal Chlorination System

Fernie has shut down, cleaned out chemical tanks/piping and winterized the chemical metering pumps for the season that make-up the chlorination/de-chlorination system.

This marks 4 years in a row (“knock on wood”) that the NVC has operated without a single hit or exceedance of the DEP/EPA’s allowable limit for fecal coliform. This is not an easy thing to do.

This is really quite amazing and gives testimony to the expertise and unbelievable dedication Fernie has given to the operations of the Village’s wastewater treatment plant and pump station that extend daily, and much of the time twice per day, to a 365 day/year operation and for 27 years (when the plant first started up) without missing a single day or taking a single day of vacation.

If any of you are awake at 5 am in the morning and see him down at the plant, pump station or up at the lab doing his “daily things” please give him a big thank you because he is truly one of a kind.

October 2016 Snapshot

The NVC WTP is expected to be in full compliance with its license limits in October pending the DEP’s completed review of the NVC’s discharge monitoring report. Flow during the month averaged 3,726 gpd. The report for precipitation as measured by the Belfast Water District (BWD) at their Little River Station was 3.95 inches.

Drinking Water

September 2016 Usage and Water Quality

Water consumption during September averaged 25,003 gpd compared to 29,253 gpd in 2015.

The average weekly chlorine residual in the drinking water was .1 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-coliform water sample test result was negative.

Water Meter De-installations

Water meter de-installations and the winterization of the service drops for the 170 or so seasonal customers is near complete. Bill reports that there are just a handful left to remove and that he’ll be moving on to the winterization of the community hall and the fire hydrants next. He also reported that there have been about five underground seasonal customer shut-off valves that either will not shut-off and/or are leaking a little bit that he will need to attend to.

Revised Proposed Utility Budget Drafts for 2017

Revised drafts of the proposed water and sewer budgets for the 2017 fiscal year have been sent to Trustee and Overseer members under separate cover for their comments and/or approval.

Budget line items and budget amounts marked in red reflect changes requested by the Trustees at their last Board meeting in October as well as comments received electronically by the NVC Treasurer since that time.

Income for both Utilities are again in 2017 expected to be sufficient to cover anticipated expenses without the need for a rate hike. The last rate hike for both water and sewer was in 2005.

Dick M. mentioned that, March of 2021 should be put on the office calendar to review the Inter local agreement with the water district. Dick M. also has mentioned how wonderful Fernie is and what an asset he is the Village. A discussion was made about what we could do to show our gratitude.

Discussions

There will be No December Utilities meeting but if an application comes in, then a determination can be discussed at that time.

January 11th will be the next Utilities meeting.

Meeting adjourned at 4:12 p.m.