

Northport Village Corporation
UTILITIES COMMITTEE MEETING
813 Shore Road, Northport, ME 04849
Friday March 22nd, 2019
2:30 p.m.

ATTENDANCE

Chairman Dr. David Crofoot
Gordon Fuller
Judy Metcalf
Superintendent Richard McElhaney
Michael Lannan
Bill Paige
Absent: Dick Brockway

Call to order - 2:33 p.m.
Approval of Minutes – were unanimously accepted

Superintendent's report:

Nonviolation of water discharge license.

Flow averaged 15,148 compared to 21,181 gpd in 2018. Daily flow ranged from a low of 3,800 gpd to a high of 127,100 gpd (tidal induced) during the month. Precipitation for the month was 3.89" versus 8.05" in 2018.

TSS and BOD averaged 1.2 lbs./day (13.5 mg/l) and 2.9 lbs./ day (30.8 mg/l), respectively compared to 0.9 lbs/day (3.8 mg/l) in 2018.

A monthly performance table was distributed, as well as a February 2019 snapshot and a drinking water department summary for January's usage and water quality.

A bid opening took place for the Cobe Road project at 2:00 p.m. just prior to the utilities committee meeting. The bids were opened and read out loud by a rep from Dirigo Engineering.

The following companies submitted bids to NVC:

- Nirtam Excavation & General contractor, Inc (\$127,500)
- Sunset Development, Inc (\$104,317.50)
- Farley & Sons, Inc (\$94,945)

The bids were opened and read out loud by a rep from Dirigo Engineering.

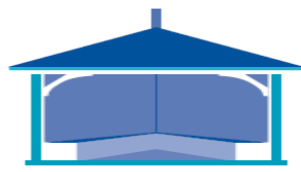
No work on the Cobe Road may be completed between Memorial Day (5/31) through the end of September.

Judy moved to tentatively award the contract to Farley on the condition that their bid is acceptable by Dirigo and that they are able to complete work within the time constrictions.

Payment processing- A motion was made to expedite the payment process for this contract specifically rather than go through the typical warrant cycle.

A draft proposal of Dirigo Engineering's Disinfection and Dechlorination Options Review document was distributed for committee review. A summary will be produced as more internal and public participation is required.

Meeting adjourned
Next meeting April 12th, 2019



By e-mail only

Utility Superintendent's Report

March 22, 2019

Sewer Department

January 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 15,148 compared to 21,181 gpd in 2018. Daily flow ranged from a low of 3,800 gpd to a high of 127,100 gpd (tidal induced) during the month. Precipitation for the month was 3.89" versus 8.05" in 2018.

TSS and BOD⁵ averaged 1.2 lbs./day (13.5 mg/l) and 2.9 lbs./day (30.8 mg/l), respectively compared to 0.9 lbs/day (13.8 mg/l) and 1.8 lbs/day (35.4 mg/l) in 2018.

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	January	December	November	YTD Lo	YTD Hi	YTD Ave	2018 Ave	DEP Monthly Limit	Exceedances
Flow GPD	15148	18,558	27,256				15,146	<63,000	0
Precip Inches	3.89	3.76	7.0				4.22	n/a	0
TSS lbs/day	1.2	1.0	1.8				1.97	<76	0
TSS mg/l	13.5	12.9	8.3				21.5	<145	0
BOD ⁵ lbs/day	2.9	2.2	4.1				5.10	<107	0
BOD ⁵ mg/l	30.8	29.0	21.8				60.4	<203	0
TSS% Removal	95.4	95.6	97.1				91.8	>50	0
BOD ⁵ Removal	89.4	90.0	92.5				77.9	>30	0
pH lo	6.5	6.6	6.7				6.7	>6.0	0
pH Hi	7.0	6.9	7.0				7.0	<9.0	0
S.S. ml/l	<0.1	<0.1	<0.1				<0.1	Report	0
TRC mg/l	na	na	na				0.02	<.052	0
F Col/100 ml	na	na	na				<1	<15-ave	0
F Col/100 ml	na	na	na				<1	<50-max	0

Note: The last exceedance for flow was **153 months ago (2/2006)**. The last exceedance for fecal coliform was **76 months ago (8/2012)**. The last exceedance for BOD was **51 months ago (9/2014)**. The record annual average low for flow was 12,017 gpd in 2017.

February 2019 Snapshot

The NVC WTP is expected to be in full compliance with its license limits pending the DEP's completed review of the NVC's discharge monitoring report. Flow will average around 7,029 gpd. The report for precipitation as measured by the Belfast Water District (BWD) at their Little River Station was 2.63 inches.

Bid Opening Cobe Road Water Main Replacement Project

Construction bids to replace the 1-inch plastic water line on Cobe Road with an engineered 8-inch ductile iron pipe, are scheduled to be opened at 2:00 pm on March 22 in the NVC Community Hall.

Shore Road Pump Station Automatic Transfer Switch Failure

Stevens Electric was called in on Wednesday, February 27 after a Tuesday evening power outage, and subsequent response by Fernie and Bill, revealed that the transfer of power from the generator - which did come on - did not switch over to run the control building lights and submersible pumps.

Stevens by-passed a damaged plastic part in the switch so that the power from the generator will automatically switch over going forward in the event of another outage. However, until the switch is repaired, it will require Fernie to return to manually shut the generator down once CMP power is restored.

Stevens is searching/waiting for delivery of the correct part to repair this 30 year old transfer switch, but if one cannot be found the whole transfer switch will be need to be replaced.

Drinking Water Department

January 2019 Usage and Water Quality

Water consumption for the month averaged 12,232 gpd compared to 14,739 gpd in 2018. The weekly free chlorine residual in the drinking water ranged from 0.31 - 0.38 ppm/Cl² compared to the recommended goal of >.20 to <1.0 ppm/Cl². The EPA maximum concentration level (MCL) not to be exceeded for chlorine residual is 4.0 ppm. The monthly total and e-coli water sample test results were negative.