

NVC Utilities Committee Meeting

Friday, November 16, 2018; 3:30 p.m.

Present: David Crofoot, Gordon Fuller, Judy Metcalf (by phone),
Superintendent Richard McElhaney, William E. Paige

The Minutes of the October 12, 2018 meeting were approved 3:0

Utility Superintendent's Report

Sewer Department

September 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 7,590 gpd compared to 5,160 gpd in 2017. Daily flow ranged from a low of 3,200 gpd to a high of 32,700 gpd during the month. Precipitation for the month was 5.43" versus 2.45" in 2017.

TSS and BOD⁵ averaged 2.3 lbs. /day (39.4 mg/l) and 5.2 lbs. /day (92.8 mg/l), respectively compared to 2.0 lbs/day (47.0 mg/l) and 3.0 lbs/day (73.3 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	September	August	July	YTD Lo	YTD Hi	YTD Ave	2017 Ave	DEP Monthly Limit	Exceedances
Flow GPD	7,590	11,319	11429	5923	26757	14,336	12,017	<63,000	0
Precip Inches	5.43	4.03	1..36	.95	8.05	3.91	3.33	n/a	0
TSS lbs/day	2.3	5.9	4.5	0.8	5.9	2.18	1.90	<76	0
TSS mg/l	39.4	64.8	54.0	5.9	64.8	24.02	27.0	<145	0
BOD ⁵ lbs/day	5.2	15.3	12.2	1.8	15.3	5.50	5.34	<107	0
BOD ⁵ mg/l	92.8	165	145	15.3	165	62.1	70.7	<203	0
TSS% Removal	86.4	77.7	81.4	77.7	98.0	90.6	91.3	>50	0
BOD% Removal	68.0	43.1	50.0	43.1	94.7	76.0	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	6.9	6.9	7.0	6.9	7.0	7.0	7.0	<9.0	0
S.S. ml/l	0.2	0.2	0.1	<0.1	0.2	<0.1	<0.1	Report	0
TRC mg/l	0.02	0.04	0.03	0.02	0.04	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 149 months ago (2/2006). The last exceedance for fecal coliform was 72 months ago (8/2012). The last exceedance for BOD was 47 months ago (9/2014). The record annual average low for flow was 12,017 gpd in 2017.*

October 2018 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 will average around 6,912 gpd. The report for precipitation as measured by the Belfast Water District (BWD) at their Little River Station was 4.74 inches.

Drinking Water Department

September 2018 Usage and Water Quality

Water consumption for the month averaged 24,155 gpd compared to 27,689 gpd in 2017. The weekly free chlorine residual in the drinking water ranged from 0.06 - 0.08 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.

Water Shut-offs: Bill Paige says that he is almost completely up-to-date on seasonal water shut-offs. There are a few late-staying residents, but all shut-offs should be complete by Thanksgiving.

Merrithew Square Fire Hydrant: The final installation costs for the new fire hydrant in Merrithew Square came in under budget at \$6700 instead of the budgeted \$7500. The metal posts on either side of the hydrant are painted bright yellow. They are necessary to protect the hydrant from the snowplow on the nearby road. Some villagers have said they don't like the color.

EPA and Wastewater Operating License

The Superintendent was contacted by Anne Liebe from the EPA with a question as to whether the extension of our outfall had resulted in any significant changes in our overboard discharge. Mr. McElhaney said there had been no changes. With regard to the long-overdue renewal of our EPA discharge license, Ms. Liebe said there are eight such license renewals pending in Maine and that the EPA hopes to complete this process as early as January 2019.

Moore Septic performed its fall pumping of the wastewater tanks removing 26,000 gallons. There were no problems

Pump Stations: Stevens Electric was in the Village on November 13th to perform inspections of the pumps. A full report is to follow. Several villagers used the posted phone number to contact Fernie Barton to notify him that the generator was working during recent power outages. The generator supplies power to the main pump station and also to the three auxiliary pump stations down Shore Road. There were no problems.

Dirigo Engineering: An agreement for Engineering Service for Cobe Road Water Main Replacement and Wastewater Effluent Manhole Upgrades was reviewed, approved by the Committee, and signed by Chariman Crofoot. The total engineering costs are \$8500.

Nordic Aqua Farms- the committee reviewed the letter sent by Chairman Crofoot to Gregg Wood of the Maine DEP indicating our wish to be kept fully informed as well as our standing to comment on the proposed water usage and wastewater disposal of the proposed plant inasmuch as they may impact on the NVC wastewater treatment and licenses and our potable water supply.

Sewer Application: An application by Mr. Smits to relocate the household sewer service at 7 Sea Street in order to provide better drainage. The application was reviewed and approved by the Committee.

No Utilities Committee Meeting is planned for December at this time.

Meeting Adjourned at 4:30 p.m.

Respectfully submitted,

David Crofoot, Chairman