

NVC Utilities Committee Meeting
January 14, 2022; 2:30 p.m.
Community Hall plus Zoom connection

Present: Committee members Crofoot, Wilt, Metcalf (by Zoom), and, after 3 p.m.,
Brim-Deforest and Brown (by Zoom);
Also Superintendent Dick McElhaney, Bill Paige, Janae Novotny, and (by Zoom)
Steve Kazilionis and Rachel Rosa.

The Minutes of the November meeting were approved. There was no December meeting.

Superintendent's Report:

There were no license exceedances.

Effluent Monitoring Data for November and December was reviewed: Higher than historical levels of BOD and BOD concentration have persisted through October and November. High levels have always been expected during summer seasonal high-occupancy, and even resulted in a license exceedance in September 2021, but the persistence of high levels in the "off-season" probably reflects evolving changes in cottage occupancy and seasonal use. Concern was expressed both by Supt. McElhaney and by Committee members that we are approaching the treatment capacity of the wastewater treatment plant. The current number of sewer customers (248) does not yet reflect two houses being built and connection permits to five other lots of record that have been approved.

Motion by Wilt, seconded by Metcalf: To adopt a moratorium on any new sewer connection permits for the calendar year of 2022. After a long discussion, **this motion was approved 5 in favor, none opposed.**

Supt. McElhaney was requested to collect data to accurately reflect historical and seasonal variations in flow, TSS and BOD over the last several years to further inform assessment of plant capacity. Performance is clearly being affected by increased usage, not only in the summer months of maximal cottage occupancy, but also extending into the off-season.

It is essential to operate the wastewater primary treatment plant within the license limitations.

Community wide public information initiatives to encourage composting and to inform residents that the use of garbage disposals is prohibited were discussed.

There have been no violations for fecal coliforms or enterococci for several months and the dilution factor for pathogen testing has been gradually reduced from 8:1 to

4:1. Chlorine is now being measured not only as Total Residual Chlorine but as Free Soluble Chlorine.

Financials:

Current outstanding bills after the November billing stand at \$5000 for both utilities as of January 10th.

The Financial Report for 2021 was reviewed. Although there were some minor problems with allocation of amounts to different accounts, there were no great surprises other than increased spending for sludge removal and for chemicals, failure to pay bills to one vendor, and failure of the NVC to pay their bill for fire hydrants. Committee members expressed their pleasure and gratitude to Treasurer Huntoon for providing these reports.

The Water Utility’s 2021 PUC report has not yet been filed because the 2020 audit is still incomplete. Purdy Powers will be requested to communicate with the PUC to explain this.

Bill Paige reported that the Town of Northport has made an exception to the winter road posting weight limitations to allow for bulk delivery of chemicals to the treatment plant throughout the winter.

Rachel Rosa addressed the Committee, particularly with reference to the pending Sewer rate increase and the possibility of linking sewer bills to actual usage as measured by metered water use. The Committee will consider whether such a change is feasible or advisable.

Meeting adjourned at 4:30 p.m.
Next Meeting: February

WTP Monthly Performance Table

Parameters	Nov	Oct	Sept	YTD Lo	YTD Hi	YTD Ave	2020 Ave	DEP Limit	YTD Exceed-ances
Flow GPD	27835	16687	24162	5643	31967	19115	12718	<63,000	0
Precip inches	6.20	6.79	8.64	1.58	10.10	4.45	3.17	n/a	0
TSS lbs/day	1.7	1.8	2.9	0.9	7.6	2.7	1.6	<76	0
TSS lbs max	3.8	2.4	3.8	1.7	11.4	5.2	na	report	0
TSS mg/l ave	8.0	22.3	21	16.5	44.3	27.5	23.2	<145	0
TSS mg/l max	11	29	29	26	64	39.5	na	report	0
TSS % removal	97.2	92.3	92.9	80.0	94.3	89.1	92.7	>50	0
BOD lbs/day	26.6	14.8	16.7	2.8	37.6	14.6	6.3	<107	0
BOD lbs max	44.8	19.2	23.9	6.1	73.8	25.9	na	report	0
BOD mg/l ave	128.4	193	111	37.2	244	141.1	81.1	<203	1

BOD mg/l max	160	250	150	51	400	160.8	na	report	0
BOD % removal	55.7	33.6	62	-37.9	87.2	51.3	69.7	>30	1
pH low	6.5	6.6	6.5	6.5	6.6	6.5	6.6	>6.0	0
pH high	6.8	6.7	6.7	6.7	6.8	6.8	6.9	<9.0	0
St solids ml/l	0.1	<0.1	0.3	0.1	0.35	0.15	0.13	report	0
TRC mg/l max	0.03	0.03	0.03	0.02	0.03	.03	.02	<0.3	0
Fecal cfu ave	<8	<8	17.13	<8	21.37	9.9	11.34	<14	2
Fecal cfu max	<8	<8	168	<8	1088	21.6	20.24	<31	2
Enterococcus cfu ave	na	<8	9.51	<8	29.8	10.8	12.23	<8	3
Enterococcus cfu max	na	<8	16	<8	3280	26.9	40.65	<54	1
Hg ng/l ave	na	na	na	na	na	na	14.4	33.4	0
Hg ng/l max	na	na	na	na	na	na	14.4	50.1	0

Note: The last exceedance for flow was 186 months ago (2/2006). The last exceedance for BOD was 4 months ago (8/2021). The last exceedance for fecal coliform was 3 months ago (9/2021). The last exceedance for enterococci was 3 months ago (9/2021). The record annual average low for flow was 12,017 gpd in 2017.

Respectfully submitted,

David D. Crofoot, chairman