

NVC UTILITIES MEETING
MINUTES
June 6, 2014

Present: Chairman David Crofoot; Committee members: Marge Brockway, Denis Wang; **absent,** Ned Lightner; Judy Metcalf by phone; Office Manager Paul Bartels; Superintendent Richard McElhaney; Distribution Operator Bill E. Paige; Resident Dick Brockway and Blair Einstein; Builder Jim Bahoosh representing Charles Tanksley.

Chairman Crofoot called the meeting to order at 9:30 AM.

Tanksley sewer application:

Dick McElhaney pointed out that it may be necessary to pump wastewater to the 4" main on upper Maple Street. The committee unanimously **voted** to recommend acceptance to the Overseers for the water and sewer connections recognizing there may be a need to have to pump uphill for the wastewater connection.

Minutes

Judy Metcalf moved to accept the minutes of the March meeting, seconded by Denis Wang – **Voted and approved.**

Financials

Bill Cressey provided P&L reports and reviewed minor plus and minus percentages with the committee. Dick McElhaney pointed out that the report was missing some information about the new Money Market accounts. Bill said he would look into it and sent out new corrected reports via email.

Residents' Concerns:

Blair Einstein had a question about property near the Shore Road pump station. He wanted to know if the sewer main on Shore Road was accessible through a narrow right of way next to the pump station from the lot. Bill Paige was not present at that time and Dick McElhaney did not have enough information to answer his question. Dick and Bill will get together with Blair to discuss the matter.

SUPERINTENDENT'S REPORT
NORTHPORT VILLAGE CORPORATION - UTILITIES DEPARTMENT

June 6, 2014

Clean-Water Plant

April 2014 Effluent Monitoring Data

The NVC Clean-Water Plant was in full compliance with its discharge license in April. There were no license exceedances.

April flow averaged 26,667 gpd compared to 8,250 gpd in 2013 and 15,200 gpd in 2012. Daily flow ranged from a low of 8,600 gpd to a high of 109,300 gpd during the month. Precipitation for the month measured 3.67” versus 1.89” in 2013 and 4.86” in 2012.

TSS and BOD⁵ averaged 2.0 lbs/day (9.4 mg/l) and 3.6 lbs/day (29.8 mg/l), respectively compared to .9 lbs/day (15.0 mg/l) and 2.4 lbs/day (44.4 mg/l) in April of 2013.

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, and twice per day for total residual chlorine (May thru Sept).

Performance Table

Parameters	April	March	YTD Lo	YTD Hi	YTD Ave	2013 Ave	DEP Monthly Limit	Exceedances
Flow GPD	26,667	12,194	5,054	26,667	17,512	9602	<63000	0
Precip Inches	3.67	3.75	3.28	5.67	4.1	3.26	n/a	0
TSS lbs/day	2.0	1.3	1.0	2.0	1.53	1.9	<76	0
TSS mg/l	9.4	19.3	9.4	22.8	16.15	25.7	<145	0
BOD ⁵ lbs/day	3.6	3.3	1.5	3.6	2.53	7.0	<107	0
BOD ⁵ mg/l	29.8	50.5	29.8	51.9	41.05	80.2	<203	0
TSS% Removal	96.8	93.4	92.1	96.8	94.5	91.1	>50	0
BOD% Removal	89.7	82.6	82.1	89.7	85.9	70.8	>30	0
pH lo	7.0	7.0	6.9	7.0	6.98	6.8	>6.0	0
pH Hi	7.3	7.4	7.2	7.4	7.3	7.0	<9.0	0
S.S. ml/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	Report	0
TRC mg/l	na	na	na	na	na	.02	<.052	0
F Col/100 ml	na	na	na	na	na	<1.4	<15-ave	0
F Col/100 ml	na	na	na	na	na	<1.6	<50-max	0

Note: The last exceedance for flow was **97 months ago (2/2006)**. No exceedance for pH, TRC, TSS and BOD⁵ has occurred for **103 months (8/2005)**. The last exceedance for fecal coliform was **20 months ago (8/2012)**.

May 2014 Snapshot

The NVC Clean-Water Plant was in compliance with its discharge license in April pending DEP’s review of the NVC’s monthly discharge monitoring and laboratory reports. Flow during the month will average about 12,000 gpd. The report for precipitation as measured by the BWD at the Little River Station was 3.16 inches.

Annual Effluent Mercury Test Report

The 2014 annual compliance monitoring test result for mercury (Hg) was 4.1 ng/L. This compares to a daily average interim license limit of 33.4 ng/L and a 50.2 ng/L daily maximum. The effluent sample was taken on April 25, 2014. The University of Maine at Orono has notified its clients that it will no longer perform low level mercury analysis

after June 1, 2014. Therefore, the NVC will have to locate another lab to perform this annual test next year. UMO offered no reason for this change.

BOD Incubator/Refrigerator

The testing lab BOD Incubator broke down last week. The unit is still under a 12 month warranty for parts and labor and the manufacturer has been contacted to request the repair or replacement of the unit. Since the department is already splitting BOD samples with an outside certified lab, DEP compliance reporting will not be compromised.

EPA 301(h) Permit Questionnaire

The 301(h) – Modified NPDES Permit Reissuance Questionnaire for Small Dischargers in Maine was submitted to EPA and MEDEP on May 29, 2014. The response to the questionnaire was prepared by the NVC Clean-Water Department and Dirigo Engineering, Inc. in order to update the NVC March 13, 2009 NPDES/WDL permit renewal application and to satisfy a request from Doug Corb, EPA in his February 11, 2014 electronic mail to the NVC Superintendent of Utilities. The permit grants the NVC a waiver from the secondary treatment requirements and must be renewed every five years.

Drinking Water

May 2014 Usage and Water Quality

Water consumption during April averaged 11,476 gpd compared to 12,207 in 2013 and 11,728 in 2012.

The average weekly chlorine residual in the drinking water was .16 ppm/Cl² compared to the recommended goal of >.20 to <1.0 ppm/Cl². The monthly coliform test result was negative. The NVC serves its customers with pre-chlorinated drinking water purchased from the Belfast Water District.

Annual Nitrate Nitrogen Test Report

The annual test result for nitrate nitrogen in the drinking water was 0.46 mg/L. The EPA maximum contaminant level (MCL) for nitrate nitrogen is 10.0 mg/L. The sample was taken at the Belfast vault on April 25, 2014.

In addition; Bill Paige reported that the water line to the wharf is done and the sewer risers at the Yacht Club are finished. The repair of the water blow off at Birchcrest will be fixed next week.

Adjourn

Next meeting scheduled July 11th 2014 at 9:30 AM.

Marge Brockway moved to adjourn at 10:15 AM, seconded by Denis Wang, **Voted - majority approved.**

Submitted by Paul Bartels