

NVC UTILITIES MEETING

MINUTES

November 14, 2014

SUPERINTENDENT'S REPORT NORTHPORT VILLAGE CORPORATION - UTILITIES DEPARTMENT

November 14, 2014

Sewer Department

September 2014 Effluent Monitoring Data

The NVC Wastewater Treatment Plant (WTP) had exceedances for BOD concentration and BOD per cent removal in September.

September flow averaged 5,590 gpd. Daily flow ranged from a low of 2,200 gpd to a high of 11,000 gpd during the month. Precipitation for the month measured 1.5" versus 5.32" in 2013.

TSS and BOD⁵ averaged 0.9 lbs/day (24 mg/l) and 11.3 lbs/day (292 mg/l), respectively compared to 1.7 lbs/day (43 mg/l) and 3.9 lbs/day (100 mg/l) in September 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	September	August	YTD Lo	YTD Hi	YTD Ave	2013 Ave	DEP Monthly Limit	Exceedances
Flow GPD	5,590	15,284	5,054	26,667	15,458	9602	< 63000	0
Precip Inches	1.5	3.22	1.5	8.07	4.18	3.26	n/a	0
TSS lbs/day	0.9	4.3	0.9	6.0	2.6	1.9	< 76	0
TSS mg/l	24	29	9.4	57.2	25.8	25.7	< 145	0
BOD ⁵ lbs/day	11.3	30.2	1.5	30.2	9.7	7.0	< 107	0
BOD ⁵ mg/l	292	194	29.8	292	104	80.2	< 203	1
TSS% Removal	91.7	90.0	80.3	96.8	91.1	91.1	> 50	0
BOD% Removal	-0.9	33.1	-0.9	89.7	64.1	70.8	> 30	1
pH lo	7.0	7.0	6.9	7.0	6.96	6.8	> 6.0	0
pH Hi	7.1	7.2	7.1	7.4	7.24	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	0.01	0.01	<.01	0.02	0.01	.02	< .052	0
F Col/100 ml	< 1	<1	<1	<1	< 1	<1.4	< 15-ave	0
F Col/100 ml	< 1	<1	<1	<1	< 1	<1.6	< 50-max	0

Note: The last exceedance for flow was **101 months ago (2/2006)**. No exceedance for pH, TRC, TSS has occurred for **107 months (8/2005)**. The last exceedance for fecal coliform was **23 months ago (8/2012)**.

October 2014 Snapshot

The NVC WTP will be in full compliance with its license limits in September pending the DEP's review of the NVC's discharge monitoring report. Flow during the month averaged 10,600 gpd. The report for precipitation as measured by the BWD at the Little River Station was 7.43 inches.

Drinking Water

September 2014 Usage and Water Quality

Water consumption during August averaged 26,502 gpd compared to 22,608 in 2013.

The average weekly chlorine residual in the drinking water was .07 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.