

Northport Village Corporation

Utilities Dept. Minutes

July 13th, 2012

Present: McElhaney, Lightner, Brockway, Crofoot (arrived during mtg.), Wang (presiding)

Meeting called to order at 2:30

Superintendent's Report

July 13, 2012

Sewer Department

May 2012 Effluent Monitoring Data

The NVC was in full compliance with its wastewater discharge license in May. There were no license exceptions.

Monthly flow averaged 18,303 gpd compared to 12,187 gpd in May of 2011 and 7,200 gpd in May of 2010. Daily flow ranged from a low of 5,400 gpd to a high of 82,300 gpd.

Precipitation was 5.89" compared to 3.12" in May of 2011 and 1.72" in May of 2010.

TSS and BOD averaged 2.3 lbs/day (17.7 mg/l) and 4.4 lbs/day (34.4 mg/l), respectively.

See performance table below for this month's comparisons, averages, year-to-date highs and lows, permit limits, and year-to-date (YTD) exceptions.

Performance Table

Parameters	May	April	YTD Lo	YTD Hi	YTD Ave	2011 Ave	DEP Monthly Limit	Exceptions
Flow GPD	18303	15200	5817	18303	11851	15277	<63000	0
Precip Inches	5.89	4.86	1.46	5.89	3.19	3.89	n/a	0
TSS lbs/d	2.3	3.9	.8	3.9	1.8	2.4	<76	0
TSS mg/l	17.7	18	11.7	18	14.9	25.3	<145	0
BOD lbs/d	4.4	11.0	2.5	11.0	4.9	6.3	<107	0
BOD mg/l	34.4	46.3	25.0	74.8	46.9	63.0	<203	0
TSS % Rem	93.9	94.0	93.9	96	94.9	90.8	>50	0
BOD % Rem	88.1	84.1	74.2	91.4	83.9	78	>30	0
pH lo	6.7	6.7	6.7	6.7	6.7	6.8	>6.0	0

pH Hi	6.9	7.0	6.9	7.0	6.9	7	<9.0	0
S.S. ml/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	Report	0
F Col/100 ml	<10	n/a	n/a	n/a	<10	<3.12	<15-ave	0
F Col/100 ml	<10	n/a	n/a	n/a	<10	<7.25	<50-max	0

Note: The last wastewater discharge license exception was *75 months ago (2/2006)* and for flow. No violation for pH, fecal coliform, TRC, TSS and/or BOD has occurred for *81 months (8/2005)*.

June 2012 Snapshot

Pending a DEP review of a (false) positive fecal coliform test result on the effluent, the NVC Sewer Department was in compliance with its discharge license in June.

Note: A retest of the effluent for coliform activity was negative following a positive coliform test (190 colonies/100ml) on what was an otherwise sufficiently chlorinated effluent sample after the tubing of the sampling equipment used to collect the sample was changed and disinfected.

Flow averaged 25,110 gpd. Precipitation as measured by the BWD at the USGS Little River Station was 8.31 inches.

DEP Annual Inspection

Denise Behr, DEP's Compliance Officer, will be in the Village on July 20th at 10:00 am to perform the annual inspection of the sewer system. No significant issues are anticipated.

Sewer Improvement Projects

PROJECT COST – \$600,000 (loan \$159,874 and grant \$440,126).

OUTFALL PIPE AND TANKS - Completed.

INTERIM BOND ANTICIPATION NOTE (BAN) CLOSING – Completed.

COBE ROAD SEWER MAIN REPLACEMENT PROJECT – Completed

TREATMENT PLANT IMPROVEMENTS – Completion is planned for later this fall after Labor Day. The project is currently in the engineering and design stage. Sargent and Manter will be asked by USDA to bid on the cost of the improvements. The proposed improvements include a new access cover and top to the headworks manhole, installation of three train isolation valves, backflow preventers on the inverts between tanks 2 and 3 of the three trains, rerouting the de-chlorination line to eliminate freeze-ups and the potential for cross-contamination of the effluent between the chlorination and the de-chlorination manholes, repairs

to the 2-inch yard hydrant and the installation of a level transducer to monitor the tidal influence on the flow data in the flow measuring/chlorination manhole.

RD GRANT – The undisbursed balance on the grant to completion is \$177,058.24.

Water Department

May 2012 Usage and Water Quality

Water consumption during May averaged 18,489 gpd compared to 11,728 gpd in April, 16,613 gpd in May of 2011 and 19,863 gpd in May of 2010.

The average weekly chlorine residual in the drinking water was .15 ppm/Cl₂ compared to the recommended level of less than .2 ppm. The monthly coliform test result was negative.

Superintendent's Report discussion:

All testing values meet permit allowances except for one June test for coliform bacteria, which showed a value above allowable limits, perhaps due to a recent large storm runoff. After cleaning the equipment and sampling tubes, a negative test was subsequently obtained. Thus the positive test might be a false positive.

Town could fix pavement cracks at Bluff and George streets.

About \$48 K available for other sewer projects.

A system for obtaining project complaints from citizens was discussed. Manter will return for further clean-up.

Paige sewer application discussed – current zoning codes allow only one dwelling per lot, hence a sewer permit cannot be granted.

Next meeting on August 3rd.

Meeting adjourned at 3 pm.

Submitted by Denis Wang