

**NVC UTILITIES MEETING  
MINUTES  
January 6, 2012**

**Present:** Chairman Dr. David Crofoot ; Committee Members by phone: Judy Metcalf , Dick Brockway, Denis Wang; Superintendent Dick McElhaney; Office Manager Paul Bartels.

**Absent:** Ned Lightner.

The meeting was called to order by Chairman Crofoot at 2:30 PM.

**Minutes**

Dick Brockway moved to approve the minutes from the last meeting, seconded by Denis Wang, **Voted – majority in favor.**

**SUPERINTENDENT’S REPORT**

**November 2011 Effluent Monitoring Data**

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

Monthly flow averaged 11,760 gpd compared to 27,207 gpd in November of 2010. Flow ranged from 5,800 to a high of 29,000 gpd. Precipitation for this November was 2.76 inches compared to 6.17 inches in November of 2010.

TSS and BOD averaged 1.5 lbs/day (16.2 mg/l) and 3.0 lbs/day (32.6 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 violations.

Performance Table

Parameters	November	October	YTD Lo	YTD Hi	YTD Ave	2010 Ave	DEP Monthly Limit	Violations
Flow GPD	<b>11760</b>	12594	5394	42016	<b>14902</b>	17085	<b>63000</b>	0
Precip Inches	<b>2.76</b>	6.64	1.73	6.72	<b>3.91</b>	4.94	<b>n/a</b>	0
TSS lbs/d	<b>1.5</b>	1.9	.6	7.9	<b>2.3</b>	2.7	<b>76</b>	0
TSS mg/l	<b>16.2</b>	24.3	5.2	54.8	<b>25.4</b>	24.9	<b>145</b>	0
BOD lbs/d	<b>3.0</b>	3.6	1.1	22.1	<b>6.6</b>	6.6	<b>107</b>	0
BOD mg/l	<b>32.6</b>	42.8	14.3	148	<b>66.3</b>	59.4	<b>203</b>	0
TSS % Rem	<b>94.4</b>	92	81.1	98.2	<b>90.7</b>	91.0	<b>50</b>	0
BOD % Rem	<b>88.8</b>	85	49	95.1	<b>76.8</b>	79.0	<b>30</b>	0
pH lo	<b>6.7</b>	6.6	6.6	6.9	<b>6.8</b>	6.8	<b>&gt;6.0</b>	0
pH Hi	<b>6.9</b>	6.9	6.8	7.1	<b>7</b>	7.0	<b>&lt;9.0</b>	0
S.S. ml/l	<b>&lt;0.1</b>	<0.1	<0.1	<0.1	<b>&lt;0.1</b>	<0.1	<b>Report</b>	0
F Col/100 ml	<b>n/a</b>	n/a	<1	<10	<b>&lt;3.12</b>	<1.6	<b>15-ave</b>	0
F Col/100 ml	<b>n/a</b>	n/a	<1	50	<b>&lt;7.25</b>	<2.9	<b>50-max</b>	0

**Note:** The last wastewater discharge license violation was *69 months ago (2/2006)* and for flow. No violation for pH, fecal coliform, TRC, TSS and/or BOD has occurred for *75 months (8/2005)*.

### December 2011 Snapshot

The NVC Sewer Department was again in full compliance with its discharge license in November. Flow will average around 19,000 gpd. Precipitation as measured by the BWD at the Little River Station was 3.65 inches.

### Deep Ocean Outfall Pipe/Septic Tank Repair Project

TANKS - Repairs to the two leaking septic tanks began on December 19. Ted Berry Co. successfully decanted and cleaned the tanks. G&G who was selected to perform the crack sealing had to cancel out at the last minute due to injury and time of year claims. Copia of Brewer, Maine was then mobilized to do the work. However, Copia was unsuccessful in sealing the cracks. A second attempt by Sargent themselves with a different product to seal the cracks was also unsuccessful. The Department is waiting to hear back from Dirigo Engineering on what the next plan of attack might be and has informed them that the NVC has no problem with waiting for warmer groundwater temperatures if in fact the crack sealing products did not work because of the cold temperature as G&G maintains.

Meanwhile, the little bit of groundwater that is leaking into the tanks is currently being pumped through the other two active trains of septic tanks for treatment until which time a decision on how and when to proceed with the next crack sealing or patch attempt is made or the NVC Sewer Department decides this is inadvisable.

OUTFALL PIPE - Materials and equipment for the new outfall pipe are now onsite and Sargent has begun fusing pipe and excavating a hole for directional drilling. Sargent's plan now is to drill a hole (instead of digging a trench) for the last 200 ft of the 250 ft of buried pipe. Once drilling to daylight (open water) is reached, Sargent will have the total 600 feet of pipe and anchors in the water ready to be pulled back into the drilled hole. The last 350 feet will then be sunk to the ocean bottom and the first 50 ft of pipe will be trenched for connecting to the existing effluent manhole. Enterprise Trenchless Technologies, Inc of Lisbon Falls, Maine will conduct the drilling for Sargent. For more information on ETTI, and to look at a nice video on directional drilling, go to [www.hdd-etti.com](http://www.hdd-etti.com).

### Water Department

#### November 2011 Usage and Water Quality

Water consumption during November averaged 13,762 gpd compared to 22,069 gpd in October and 14,057 gpd in November of 2010. The average weekly chlorine residual in the drinking water was .12 ppm compared to the recommended level of less than .2 ppm. The monthly coliform test result was negative.

### Adjourn

Next meeting scheduled for February 10<sup>th</sup> at 2:30 PM.

Judy Metcalf moved to adjourn at 2:46 PM, seconded by Dick Brockway, **Voted - majority approved.**

Submitted by Paul Bartels