

**NVC UTILITIES MEETING  
MINUTES  
February 15, 2013**

**Present:** Chairman David Crofoot; Committee members: Ned Lightner; Judy Metcalf by phone; Superintendent Dick McElhaney; D.O. Bill E. Paige; Treasurer Bill Cressey; Office Manager Paul Bartels.

Chairman David Crofoot called the meeting to order at 2:30 PM.

**Minutes**

Ned Lightner moved to approve the minutes from the January 11<sup>th</sup> utilities meetings, seconded by Judy Metcalf – **Voted and approved.**

**Financials**

Bill Cressey provided final 2012 financial reports for sewer and water which were circulated and discussed. It was noted that the sewer account had a large balance and should be split out to an interest bearing account. Ned Lightner moved to reallocate \$50,000 from the sewer checking account and deposit it in the sewer reserve sinking fund, seconded by Dr. Crofoot – **Voted and approved.**

Dick McElhaney recapped the Sewer Improvement expenses and said we will use all the money given to NVC for the project very shortly.

**Residents Concerns:**

Dr. Crofoot voiced a concern over the size of the emergency phone number on the sewer pump station alarm. Dick said he will order larger and more readable signs.

**SUPERINTENDENT'S REPORT**

February 8, 2013

**Sewer Department**

**December 2012 Effluent Monitoring Data**

The NVC was in full compliance with its wastewater discharge license in December. There were no license exceedances.

Monthly flow averaged 7,295 gpd compared to 18,800 gpd in December of 2011 and 22,513 gpd in December of 2010. Daily flow ranged from a low of 0 gpd to a high of 45,000 gpd. Rainfall during the month measured 3.93” versus 3.65” in December of 2011 and 4.11” in December of 2010.

On near normal rainfall for the year, the NVC monthly average flow for 2012 averaged 11,004 gpd significantly breaking last year’s record low of 15,277 gpd due to the

replacement of the leaky sewer main on Cobe Road. The Department anticipates that the 2012 record low for flow will be broken again in 2013 before settling down to this level in future years.

TSS and BOD<sup>5</sup> averaged 1.1 lbs/day (20.6 mg/l) and 2.1 lbs/day (57.8 mg/l), respectively compared to 3.0 lbs/day (23.9 mg/l) and 3.4 lbs/day (27 mg/l) in December of 2011.

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, BOD<sup>5</sup> 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	December	November	YTD Lo	YTD Hi	YTD Ave	2011 Ave	DEP Monthly Limit	Exceedances
Flow GPD	<b>7295</b>	5203	5020	25110	<b>11004</b>	15277	<b>&lt;63000</b>	0
Precip Inches	<b>3.93</b>	1.32	1.32	8.31	<b>3.87</b>	3.89	<b>n/a</b>	0
TSS lbs/day	<b>1.1</b>	0.6	0.6	10.3	<b>2.7</b>	2.4	<b>&lt;76</b>	0
TSS mg/l	<b>20.6</b>	18.5	11.7	67.4	<b>26.4</b>	25.3	<b>&lt;145</b>	0
BOD <sup>5</sup> lbs/day	<b>2.1</b>	2.1	2.1	29.1	<b>7.8</b>	6.3	<b>&lt;107</b>	0
BOD <sup>5</sup> mg/l	<b>57.8</b>	57.8	25.0	194	<b>77.6</b>	63.0	<b>&lt;203</b>	0
TSS% Removal	<b>90.0</b>	93.6	77	96	<b>90.6</b>	90.8	<b>&gt;50</b>	0
BOD% Removal	<b>80.1</b>	80.1	33	91.4	<b>74.0</b>	78	<b>&gt;30</b>	0
pH lo	<b>6.7</b>	6.7	6.7	6.7	<b>6.7</b>	6.8	<b>&gt;6.0</b>	0
pH Hi	<b>6.9</b>	6.8	6.8	7.0	<b>6.9</b>	7	<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
TRC mg/l	<b>n/a</b>	n/a	.02	.02	<b>.02</b>	.02	<b>&lt;.052</b>	0
F Col/100 ml	<b>n/a</b>	n/a	<1	<18	<b>&lt;4.4</b>	<3.1	<b>&lt;15-ave</b>	1
F Col/100 ml	<b>n/a</b>	n/a	<1	190	<b>&lt;11.4</b>	<7.3	<b>&lt;50-max</b>	3

**Note:** The last exceedance for flow was **81 months ago (2/2006)**. No exceedance for pH, TRC, TSS and BOD<sup>5</sup> has occurred for **87 months (8/2005)**. The last exceedance for fecal coliform was **4 months ago (8/2012)**.

### January 2013 Snapshot

The NVC Sewer Department was in full compliance with its discharge license in January. Flow during the month averaged 4,407 gpd. Precipitation as measured by the BWD at the Little River Station was n/a inches.

### Sewer Improvement Projects (SIP's)

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

OUTFALL PIPE AND TANKS - Completed.

INTERIM BOND ANTICIPATION NOTE (BAN)/RD LOAN CLOSING – Completed.

COBE ROAD SEWER MAIN REPLACEMENT PROJECT – Completed

TREATMENT PLANT IMPROVEMENTS – Schedule for Completion on 2/8/13.

RD GRANT – The undisbursed balance on the grant to completion holds at \$2,379.14

WARRANTY ITEMS – To be done: replacement of “no mooring” buoy and additional outfall pipe anchors

## **Water Department**

### **December 2012 Usage and Water Quality**

Water consumption during December averaged 12,442 gpd compared to 12,373 in December of 2011 and 12,733 in December of 2010.

The average weekly chlorine residual in the drinking water was .21 ppm/Cl<sup>2</sup> compared to the recommended level of .20 ppm/Cl<sup>2</sup>. The monthly coliform test result was negative.

### **Cold Weather Related Call-ins**

Well below normal ambient air temperatures led to four call-ins during the last couple of weeks. Two were to respond to Shore Road high water alarms at Pump Station PS#1 (pumped kicked out on overload) and Pump Station PS #3 (frozen check valve). The other two were related to freeze-ups and broken water lines/meters to residences on 7 Griffin (no heat) and 34 Clinton (no heat).

The Utility Department thanks “Good Samaritans” – Fitzgerald, Crofoot, and Fuller for alerting the Department to these emergencies; Billy Paige for his expert reading of the flow chart to locate the water leak on Griffin; and both Billy Paige and Fernie Barton for responding to the after-hour emergencies under what was much less than ideal weather conditions.

### **New Customer**

The NVC Utility Department welcomes new customer Bryan Field of 769 Shore Road to its list of water and sewer users. Including Mr. Field, the NVC Water Department and Sewer Department now serves 316 and 237 customers, respectively. The Department also has commitments for at least another three water customers who should come online in 2013.

### **Adjourn**

Next meeting scheduled tentatively for March 22<sup>nd</sup> at 2:30 PM.

David Crofoot moved to adjourn at 3:20 PM, seconded by Ned Lightner, **Voted - majority approved.**

Submitted by Paul Bartels