

**NVC UTILITIES MEETING
MINUTES
February 5, 2010**

Present: Chairman David Crofoot; Committee Members: Judy Metcalf and Denis Wang via telephone, Jane Strauss; Superintendent Dick McElhaney; Office Manager Paul Bartels.

Absent: Ned Lightner.

Minutes

Judy Metcalf moved to approve the minutes from the last meeting, seconded by Jane Strauss, **Voted – All in Favor.**

SUPERINTENDENT’S REPORT

Sewer Department

December 2009 Effluent Monitoring Data

The NVC was in full compliance of its wastewater discharge license in December. There were no license exceptions.

Flow averaged 22,600 gpd compared to 27,300 gpd in December of 2008 and ranged from a low of 6,700 to a high of 113,200 on the 2nd when 1.4 inches of rain fell.

Precipitation this December totaled 4.1 inches compared to 4.73 inches in December of 2008.

TSS and BOD averaged 1.2 lbs/day (8 mg/l) and 2.0 lbs/day (15 mg/l), respectively, again meeting the 30/30 concentration standards for secondary treatment.

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	December	November	YTD Lo	YTD Hi	YTD Ave	2008 Ave	DEP Monthly Limit	Violations
Flow GPD	22600	18800	7719	41300	22300	22642	63000	0
Precip Inches	4.10	5.69	1.94	8.02	4.98	5.10	n/a	0
TSS lbs/d	1.2	1.1	.8	6.6	2.3	2.9	76	0
TSS mg/l	8	7	6.0	46.5	18.9	18.5	145	0
BOD lbs/d	2.0	1.9	1.8	13.7	5.6	8.2	107	0
BOD mg/l	15	26	15	95.3	47.4	56.5	203	0
TSS % Rem	97	98	84	98	93.4	94.2	50	0
BOD % Rem	95	91	67.2	95	84.6	80.3	30	0
pH lo	6.8	6.7	6.5	6.8	6.7	6.7	6.0	0
pH Hi	7.0	6.9	6.9	7.0	6.9	6.9	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	n/a	n/a	0	0	0	<2	15-ave	0
F Col/100 ml	n/a	n/a	0	0	0	2.0	50-max	0

Note: The last NVC Sewer Dept. violation was in February of 2006 which was for flow. No violation for TSS and/or BOD has occurred since August of 2005.

January 2010 Snapshot

The NVC Sewer Department will again be in full compliance with its discharge license in January. Flow will average around 15,000 gpd. Astronomical high tides, coupled with a 1-2 ft storm surge on the first three days of the month, falsely added about 1200 gpd to this amount. (See two of these erroneous flow spikes in the record chart below). Tidal influence potential has been known since 1988 when the original plans for the plant were drawn although such events are very rare and have no negative impact on water quality or plant performance.

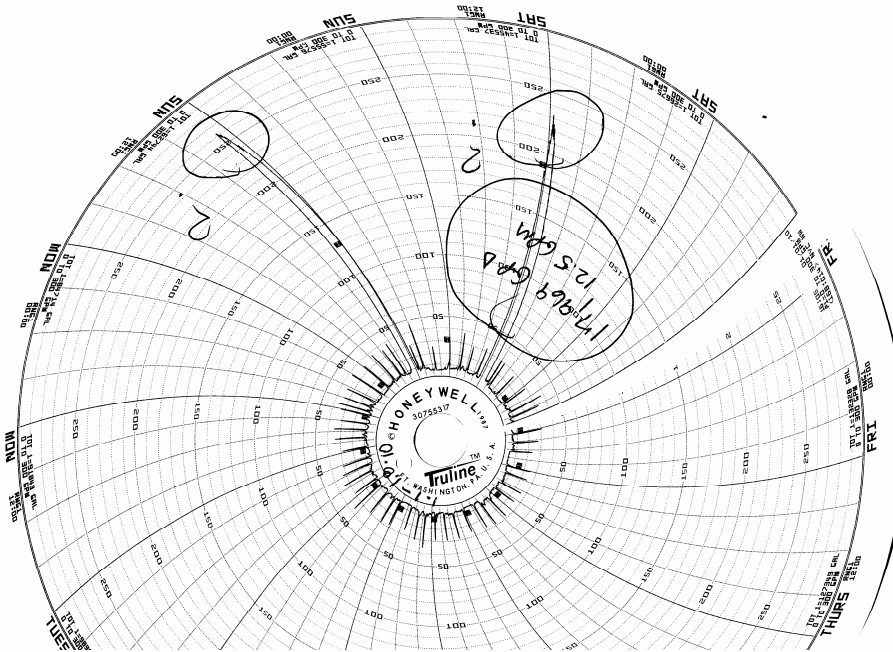


Figure 1. A portion of the recorder chart showing NVC wastewater effluent flows for 2 through 8 January, 2010.

Precipitation (rain, melted snow, etc.) as measured by the BWD at the Little River Station was 4.97 inches.

USDA RD Funding Application for a New Outfall and Septic Tank

The USDA RD has received a signed and certified original and one copy of the NVC's application for a \$600,000 (\$150,000 loan/\$450,000 grant) funding package to replace the outfall and a septic tank. Prospects for this award are encouraging. Work needing immediate attention by the committee is to confirm Dirigo Engineering as its professional engineer and to post a public notice in the Republican Journal (February 24, 2010 edition) for a public hearing on this application at the Utility Committee's March 12, 2010 meeting. Copy of the public notice and the minutes of the public hearing must be forwarded to the USDA RD within 60 days of the application date.

After a discussion of members availability Chairman Crofoot moved that a public notice be posted on February 17, 2010 for the public hearing that will be conducted on March 5, 2010 to discuss the application for the Grant / Loan from USDA RD, seconded by Judy Metcalf – Voted all in favor.

NOTE: A bridge loan for \$150,000 will be required of the NVC at some point in time after which it will be paid off by the USDA RD at closing.

A simultaneous application to DEP for a similar funding package to co-mingle with USDA RD monies is all but dead according to Steve McLaughlin, DEP.

Borrowing authority for up to \$500,000 for sewer improvements has been previously approved by voters at their 2005 annual meeting.

After a discussion about Dirigo Engineering's past good performance with issues pertaining to the current project Jane Strauss moved that Dick McElhaney be empowered to engage Dirigo Engineering to do a preliminary outflow plan for the USDA RD application of up to a \$10,000 limit.

UMO Capstone Project Proposal

The Department has received word from UMO that the NVC's proposal to design a new outfall was not chosen by this year's senior students. Given today's date, it is also unlikely that any of the MMA's students have chosen the proposal either.

Fats, Oil and Grease (FOG)

A billing stuffer was sent out with this January's trimester billings. The brochure (FOG) encourages consumers to avoid the disposal of grease down drains, sinks or toilets. Over time, grease can cause pipes to clog (plug) and in severe cases wastewater to back up into basements.

Dedicated Pump Station No. 2 High Water Alarm

A PS No. 2 high water alarm was received by the Department on Wednesday, February 3, 2010. Fernie Barton responded and removed a wipe that was entangled around the start float. The station serves two customers on Shore Road.

Water Department

December 2009 Usage and Water Quality

Water consumption during December averaged 16,100 gpd compared to 12,800 gpd in November and 12,200 gpd in December of 2008. The average weekly chlorine residual in the drinking water was .13 ppm compared to the recommended level of less than .2 ppm. The monthly coliform test result was negative.

Next Meeting

Chairman Crofoot scheduled the next meeting for March 5, 2010; the first half will be for the Public Hearing.

Adjourn

Judy Metcalf moved to adjourn, at 3:25 PM seconded by Jane Strauss, **Voted - all in favor.**

Submitted by Paul Bartels