

**NVC UTILITIES MEETING
MINUTES
March 9, 2012**

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

Absent: Dick Brockway.

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

Minutes

Ned Lightner moved to approve the minutes from the last meeting, seconded by Judy Metcalf, **Voted – majority in favor.**

SUPERINTENDENT’S REPORT

Sewer Department

January 2012 Effluent Monitoring Data

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

Monthly flow averaged 10,829 gpd compared to 6,774 gpd in January of 2011 and 17,661 gpd in January of 2010.

Flow this January ranged from a low of 4,400 gpd to a high of 33,500 gpd. Precipitation was 1.46 inches compared to 2.57 in January of 2011.

TSS and BOD averaged 1.3 lbs/day (11.7 mg/l) and 2.5 lbs/day (25 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	January	December	YTD Lo	YTD Hi	YTD Ave	2011 Ave	DEP Monthly Limit	Violations
Flow GPD	10829	18800				15277	63000	0
Precip Inches	1.46	3.65				3.89	n/a	0
TSS lbs/d	1.3	3.0				2.4	76	0
TSS mg/l	11.7	23.9				25.3	145	0
BOD lbs/d	2.5	3.4				6.3	107	0
BOD mg/l	25.0	27				63.0	203	0

TSS % Rem	96	91.8				90.8	<50	0
BOD % Rem	91.4	90.7				78	<30	0
pH lo	6.7	6.6				6.8	>6.0	0
pH Hi	7.0	7.0				7	<9.0	0
S.S. ml/l	<0.1	<0.1				<0.1	Report	0
F Col/100 ml	n/a	n/a				<3.12	15-ave	0
F Col/100 ml	n/a	n/a				<7.25	50-max	0

Note: The last wastewater discharge license violation was **71 months ago (2/2006)** and for flow. No violation for pH, fecal coliform, TRC, TSS and/or BOD has occurred for **77 months (8/2005)**.

February 2012 Snapshot

The NVC Sewer Department was again in full compliance with its discharge license in February. Flow averaged around 5,800 gpd. Precipitation as measured by the BWD at the Little River Station was 2.22 inches.

Flow Recorder Repairs

Sewer Department staff diagnosed and repaired the Wastewater Flow Recorder using a part from an old recorder that was damaged in a 2004 lightning storm. The recorder stopped tracing (printing) flow data on Monday, February 20 and was repaired on Friday, February 24. A new pen assembly has been ordered to have in stock for the next time this might happen.

Sewer Improvement Projects

OUTFALL PIPE - Completed. Sargent will supplement the surface restoration with pea stone.

TANKS – Sargent plans to perform a vacuum excavation of the outside soils where the tanks leak later this spring. They will then fill the hole with flowable fill (concrete) to slow down the water and allow the resins to set up to stop the leaks.

\$600,000 USDA RD COMBINATION LOAN AND GRANT - Total expended to date including legal, engineering, development, permitting and miscellaneous charges is valued at \$383,102 leaving a balance of \$216,898 in undisbursed funds.

Sargent's payment request No. 2 was submitted in the amount of \$244,283 at the February 17 requisition meeting. Sargent's work completed to date is valued at \$322,205 with \$16,110 being held in retainage. This compares to Sargent's bid price of \$329,030.

RD LOAN BOND ANTICIPATION NOTE (BAN) – The full amount of the \$159,874 interim loan with Bangor Savings Bank has been disbursed clearing the way for Bill Cressey and Bond Counsel, Peter Garcia to set up a closing date in June of 2012 with USDA to pay off the BSB interim loan and establish a new 20 year low interest loan with USDA RD for the same amount. The first P&I on the USDA RD loan will therefore be due in June of 2013.

RD GRANT –The first electronic transfer of \$223,230 from the \$440,126 USDA RD GRANT was deposited into the NVC 2010 Sewer Improvement Checking Account on or about February 23 to pay Sargent, Dirigo and other small vendors. The undisbursed balance on the grant to completion is \$216,898.

CONTRACT AMENDMENT – Because the actual cost of the outfall and tank repair project has run significantly below the USDA \$600,000 engineering cost estimate, USDA has authorized Dirigo Engineering to amend the contract to include the replacement of the sewer main on Cobe Road. See attached Exhibit J, Amendment No. 1 to Owner-Engineer Agreement. The cost of Dirigo’s engineering services for design, bidding and contract administration is \$10,000. The amendment was forwarded to NVC President, Jo Huntoon, Jr. for his signature and returned to Dirigo for USDA concurrence.

CHANGE ORDERS – The USDA State Engineer has concluded that the NVC needs to complete the Cobe Road sewer main upgrade project first before doing any other work since Cobe Road was specifically listed in the original Preliminary Engineering Agreement. Cobe Road was an added project that could be funded in the event the actual development costs of the outfall replacement pipe and tank repairs were below the engineering estimate.

Accordingly, once Cobe Road is completed - if there is still sufficient money in the budget - the NVC can then cut a “change order” to the contractor for the O&M items listed below. These items will improve and/or reduce the cost of operating the treatment plant. Most of these improvements were recommendations of the NVC Sewer Department that were submitted to DEP by Woodard & Curran in the January 2005 Phase II Facility Report. W&C prepared this report for the NVC as a requirement of the August 2003 Consent Agreement:

1. Add a transducer in the Chlorination Manhole to record tidal events/spurious flow
2. Enlarge the hatchway in the Distribution Manhole to enable cleaning/maintenance
3. Install Isolation Gate Valves in the Influent Lines to isolate treatment trains
4. Replace the 2-inch Hydrant Gate Valve to enable washing down manholes/tanks
5. Reroute the underground Dechlorination Chemical Feed Line to stop freeze ups
6. Install Backflow Prevention Valving in tank 3 of the treatment trains
7. Explore the feasibility of installing an automatic Chlorine Residual Analyzer

Water Department

January 2012 Usage and Water Quality

Water consumption during January averaged 12,489 gpd compared to 12,373 gpd in December and 11604 gpd in January of 2011. The average weekly chlorine residual in the drinking water was .15 ppm compared to the recommended level of less than .2 ppm. The monthly coliform test result was negative.

Distribution Operator

This month Billy Paige will be attending a 4 day training session in Buxton, Maine to prepare him for his Class I Treatment and Distribution Water Operator's License exam. The course extends over a two week period. Billy will sit for his State of Maine water operator's license examinations on March 27, 2012 to satisfy a condition of his employment requirements. The training is sponsored by the Maine Rural Water Association (MRWA).

Discussion

Dick McElhaney said that we'll be working on the Cobe Road sewer line with the funds from the under budget Outfall Pipe project. It was pointed out that the school, fire department as well as the residents of Cobe Road should be notified when that begins.

Billy Paige's training was discussed and it was agreed to reimburse his traveling expenses at the Federal recommendation of \$.55 per mile.

Paul Bartels reported that the January billing collections were in track with less than 20 still outstanding.

Billy Paige discussed the usual problems with early spring meter installs.

Adjourn

Next meeting scheduled for April 13th at 2:30 PM.

David Crofoot moved to adjourn at 3:00 PM, seconded by Judy Metcalf, **Voted - majority approved.**

Submitted by Paul Bartels