

**NVC UTILITIES MEETING
MINUTES
May 7, 2010**

Present: Committee Members: Judy Metcalf and Denis Wang via telephone, Dick Brockway, Ned Lightner; Treasurer Bill Cressey; Superintendent Dick McElhaney; Office Manager Paul Bartels.

Absent: Chairman Dr. David Crofoot.

Minutes

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

Financials

Bill Cressey reviewed the Financial Reports for the closing of the year 2009. He emphasized the fact that capitol depreciation was shown as an expense but we actually did not spend that money. On the other hand capitol assets purchased actually are money spent. Bookkeeping for undesignated funds should be classified differently because they actually are there for a specific reason. He will look into it and recommend a designation for those funds.

Mr. Cressey reviewed the first four months of the Water and Sewer P & L reports and discussed and resolved any line items over 33% of budget, and largely under budget items. A large under budget line item showed up because of the way the Bond Rebate received was booked. He said he will find the correct designation for it.

Visitors Concerns – None Voiced.

SUPERINTENDENT'S REPORT

March 2010 Effluent Monitoring Data

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

Flow averaged 37,500 gpd compared to 23,600 gpd in March of 2009. Flow ranged from a low of 6,700 on the 22nd to a high of 235,500 on the 30th. Total flow during the month was 1,161,700 gallons of which 592,000 gallons or 51% of the flow discharged occurred over a three day period. Precipitation this March was 8.12 inches compared to 2.45 inches in March of 2009.

TSS and BOD averaged .9 lbs/day (8.3 mg/l) and 2.5 lbs/day (23.3 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	March	February	YTD Lo	YTD Hi	YTD Ave	2009 Ave	DEP Monthly Limit	Violations
Flow GPD	37500	14714	14714	37500	23291	22300	63000	0
Precip Inches	8.12	2.7	2.7	8.12	6.02	4.98	n/a	0
TSS lbs/d	.9	.7	.7	3.8	1.8	2.3	76	0
TSS mg/l	8.3	15	8.3	17	13.4	18.9	145	0
BOD lbs/d	2.5	1.6	1.6	6.6	3.6	5.6	107	0
BOD mg/l	23.3	34	23.3	34	29.1	47.4	203	0
TSS % Rem	97	95	94	97	95.3	93.4	50	0
BOD % Rem	92	88	88	92	90	84.6	30	0
pH lo	6.8	6.8	6.8	6.8	6.8	6.7	6.0	0
pH Hi	7.0	7.1	7.0	7.1	7.03	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	n/a	n/a	0	0	15-ave	0
F Col/100 ml	n/a	n/a	n/a	n/a	0	0	50-max	0

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

April 2010 Snapshot

The NVC Sewer Department will again be in full compliance with its discharge license in April. Flow will average around 14,000 gpd.

Precipitation (rain, melted snow, etc.) as measured by the BWD at the Little River Station was 3.14 inches or near the normal monthly amount.

Shore Road Pump Station

The department experienced further problems (badly worn impeller, wear ring and key way) with the lead pump of the duplex pump station on Shore Road. This pump is the same pump that had been worked on last winter to replace the power cord and broken seal.

Given this pump is over 22 years old, the department recommends the trustees approve the purchase of a new pump rather than expend anymore significant money on the old pump. The cost estimate for a new pump installed is about \$5,800 with a delivery of 3-4 weeks. Note: the other pump was replaced with a new pump in 2007.

Judy Metcalf moved to accept Dick McElhaney's recommendation and purchase a new Pump Station pump at a cost not to exceed \$6000.00, seconded by Ned Lightner Voted - all in favor.

The department remains in discussion with Stevens Electric about the possibility of having a new keyway (holds the impeller on the shaft) machined into the opposite side of the shaft of the old pump. If a shop can be found and the cost is reasonable, the old pump could be salvaged for use as a spare going forward.

USDA RD Funding Application for a New Outfall and Septic Tank

USDA RD, Lew Sirois has reported his underwriting for the \$600,000 NVC application has been completed and was hand delivered to the Maine State Office on April 28th. The USDA RD recommends an eligibility finding of \$155,000 loan and \$445,000 grant. See attached project summary. Photo provided courtesy NVC Sewer Department.

Mr. Sirois cautions the NVC that the application/recommendation is subject to another thorough review by the State Office before a formal eligibility decision can be issued, completion of a satisfactory environmental review/salmon consultation process, a 30 day public notice of the Environmental Assessment, and finally subject to the availability of funds either state or federal, so there is a ways to go yet. (Mid-June at the earliest for approval)

LD-1645, An Act to Streamline Collections for Consumer-owned Consolidated Water and Wastewater Utilities

New legislation is working its way through the state government that will permit consumer owned utilities authorized to provide joint sewer and water services to disconnect water service to users of the sewer system who fail to pay charges for the sewer service. Currently in such cases a sewer system's normal recourse is to use the sewer lien process to encourage payment of past due amounts. Should the bill go into effect, which is likely, utilities that choose to exercise the new shut-off option would have to apply to the PUC with revised Terms and Conditions.

Septic Tank Cleaning/Preliminary Third Train Leak Investigation

Moore's Septic is in the Village today (May 7) to pump out the septic tanks and chlorine contact chamber. The tanks are cleaned twice a year in the spring and in the fall. The contact chamber is pumped just once a year.

While on site, Moore's has also been retained to pump down the water in the third train of septic tanks (currently out of service) to below the interconnection piping so that any subsequent water rise in any of the four tanks can be identified and monitored. Monitoring a water rise will provide the sewer department with information on the location and volume of any leak or leaks. A full confined space entry, inspection and cleaning of the leaking tanks and the interconnection piping with photos or videos will be

done later this fall or next spring subject to approval of the USDA RD funding package project to replace the outfall pipe and replace or repair the leaking septic tank.

The NVC's newest trustee and long time technical supporter, Dick Brockway has offered a leak detection plan and his time to monitor the tanks/piping for leaks. A confined space entry will not be necessary for this investigation.

Bayview Park Manhole 2025 Repair

A leaking manhole in the middle of Bayview Park delayed last fall for rehabilitation this year was repaired on April 13th. See below after and before photos. G&G Concrete Waterproofing of Fairfield, Maine injected chemical and sealed the top leaking barrel seam.

This would be the same process that the sewer department might use to repair the leak(s) in the third train of septic tanks that are currently off line if repair rather than replacement is chosen to bring this train back into service.



After repair photo of MH 2025
Chlorination/Dechlorination System



Before repair photo of MH 2025

Fernie Barton is presently preparing the start-up of the Chlorination/Dechlorination system for the swimming season. The NVC discharge permit requires chlorination from May 15 to Oct 1. The department uses liquid sodium hypochlorite to kill disease causing bacteria (pathogens) and then de-chlorinates or removes residual chlorine using liquid sodium bisulfite to protect aquatic life that might be sensitive to chlorine. During the season, Fernie also takes grab samples twice per day to test for chlorine residual and then once per week for delivery to an off-site laboratory to test for fecal coliform (an indicator organism for potential pathogen presence) to further confirm the disinfection of the effluent is fully complete.

Annual Outfall Inspection

Bob Winslow and Sean Armstrong, both local divers, inspected the sub-tidal section of the outfall pipe for leaks on Sunday, May 2nd. No leaks were found. Annual inspections are one of the requirements of the Consent Agreement until the outfall is replaced. The results of the inspection will be reported to DEP by letter as required and in time for the May 15th deadline.

2003 DEP Consent Agreement Interim Funding Report

The sewer department's next semi-annual interim funding report to the DEP is due at the end of May. The report updates the DEP on the NVC's efforts to find a funding package to pay for required improvements to the sewer collection system and treatment plant. Earmarked for this report will be the NVC application to the USDA RD for \$600K to fund a new outfall pipe and to repair or replace a leaking septic tank in the third train of septic tanks in order to bring this train back into service.

Sewer Permit Application

The Department has received a permit application to alter an existing sewer connection at 35 Cobe Road. The applicant proposes to install a new sewer line in accordance with NVC ordinances and Maine State Plumbing Codes. The applicant would like to install this line prior to the end of May. Application fees and estimated costs to install the new line have been received by the Department. The Department recommends the Trustees and Overseers approve this application. Note: This property was burned out and abandoned in 2009 with ownership transferred in 2010 subject to the approval of a building permit with the Town and a sewer permit with the NVC. A building permit was issued to the applicant following a showing of a letter from the Superintendent to the applicant that the property would be eligible for a permit to connect to the sewer. See attached.

Water Department

March 2010 Usage and Water Quality

Water consumption during March averaged 12,547 gpd compared to 12,619 gpd in February and 11,935 gpd in March of 2009. The average weekly chlorine residual in the drinking water was .18 ppm compared to the recommended level of less than .2 ppm. The monthly coliform test result was negative.

Inter-local Water Agreement with Belfast Water District

Total water purchased from Belfast in 2009 was 6.79 million gallons of drinking water averaging 18,592 gallons per day. This compares to 6.92 million gallons in 2008 or

18,959 gallons per day. The NVC consumption represented 2.9 % of the 234.5 million gallons of water produced by the District in 2009. The amended 2005 inter-local agreement with the Belfast Water District allows the NVC to purchase up to a maximum of 60,000 gpd of drinking water. This 5 year agreement is due for renewal this year.

Consumer Confidence Report for 2009

Paul will be mailing out the 2009 Consumer Confidence Report with the May 15th billing statement. The report is an annual requirement of the Federal Safe Drinking Water Act and is designed to inform customers of the quality of their drinking water. See attached 2009 CCR.

New Business

Dick McElhaney presented the Committee with a sewer application for 35 Cobe Road which he recommended to accept. Ned Lightner moved to accept Dick McElhaney's recommendation and approve the application for 35 Cobe Road, seconded by Dick Brockway – **Voted all in favor.**

Adjourn

Dick Brockway moved to adjourn at 3:25 PM, seconded by Ned Lightner, **Voted - all in favor.**

Submitted by Paul Bartels