

**NORTHPORT VILLAGE CORPORATION  
UTILITIES DEPARTMENT MINUTES**

**May 4, 2007**

**Meeting called to order 3:15 PM by Committee Member Judy Metcalf.** (Meeting was preceded by the Capstone presentation)

**Present:** Committee Members: Linda Houghton, Jane Strauss, Judy Metcalf, Judy Rohweder, Superintendent Dick McElhaney, Office Manager Paul Bartels. Bill Cressey, Jo Huntoon, Marge Brockway, Dick Brockway.

**Minutes** of the previous meeting were approved. (Vote unanimous)

**Superintendent's Report**

**Sewer Department**

**March 2007 Effluent Monitoring Data**

During the month of March there were no license exceptions to the NVC monthly discharge license.

Of significance, flow averaged 27,039 gpd. TSS averaged 2 lbs/day and BOD average 4lbs/day. All of these were well below the DEP permit limits.

See performance table below for 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	2006 AVE	DEP LIMIT	Violations
Flow GPD	27039	3643	3643	27039	16217	30648	63000	0
Precip INCHES	6.19	2.17	2.17	6.19	3.55	4.58	N/A	0
TSS LBS/DAY	2	1	1	2	2	4	76	0
TSS MG/L	16	16	12	16	15	21	145	0
BOD LBS/DAY	4	3	3	4	4	8	107	0
BOD MG/L	27	58	21	58	36	52	203	0
TSS % REM	91	95	95	96	94	93	50	0
BOD % REM	86	84	84	93	88	82	30	0
pH LOW	6.7	6.7	6.7	6.7	6.7	6.7	6	0
pH HIGH	7.2	7.1	7.0	7.2	7.1	6.9	9	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	N/A	<3	15-AVE	0
F COL/100 ML	N/A	N/A	N/A	N/A	N/A	10	50-MAX	0

**April Snapshot**

With not all the data in, it is too close to call as to whether or not the NVC will be in total compliance of its discharge license in April. Flow as of April 26<sup>th</sup> was averaging 58,000 GPD or just under the NVC Permit allowance of 63,000 GPD. Almost one-third (0.5 million gallons)

of this average flow came during the two days the Village experienced heavy rains and the storm surge. Based on the pictures submitted to Dan Webster's website, the unusually high tides most probably caused tidal water to backflow into the plant and a creation of false positives through the V-notch weir effluent flow monitoring box.

### CCTV Inspections of Sewer Lines

Ted Berry, Inc videoed selected sewer lines for condition and clean water infiltration on April 18 and April 19. One source of significant infiltration of about 6-7 gpm has already been removed at 770 Shore Road. Property owner McArthur, together with agent Bill Paige and contractor Dean Brown, moved quickly to complete the replacement of the home's service laterals on April 25 where the leak was found. Mr. McArthur is to be commended for his quick action in getting this repair done. In addition, the discovery of a buried perforated manhole cover in Auditorium Park has also been replaced with a solid manhole cover.

Other findings that await action include the following:

1. a leaking manhole (MH 2000A) across from the Yacht Club of 3-4 gpm
2. a below ground and collapsed manhole (MH 1020) between 1 and 3 Park Row
3. a heavily rooted and leaking stretch of VCP pipeline running behind the Blair Agency to the Yacht Club of 4-5 gpm (MH 2005-MH2010)
4. 4 leaking service laterals along the Shore Road totaling 2-3 gpm
5. a 120 ft section of VCP pipeline at the very end of the main sewer line on the Shore Road of 3-4 gpm (MH 3120 to the end)
6. 3 leaking service laterals at the corner of Pleasant and Broadway
7. a leaking pipe joint at the base of Auditorium park of 3-4 gpm
8. a stretch of about 500 ft of main sewer along Bayview Street in bad need of flushing and vacuuming
9. a leaking and rooted VCP pipeline on Bayview St between MH 2020-MH 2018
10. a leaking root ball and pipe joint on Oak Street

Inspections of Cobe, Maple, Clinton, Pleasant and North streets were also performed. However, because of the steep inclines, limited access points and narrowing pipelines, the cameras could not reach far enough in to locate the sources of infiltration on these streets.

Moving forward with what services Ted Berry, Inc can provide to the Village, the company recommends trenchless/pipebursting solutions to replace the stretches of piping (160 ft) behind Blair's and the end of the South Shore Road (120 ft). To provide more access points, Berry recommends the NVC install 6-inch two way cleanouts at upstream points to the gravity lines of the aforementioned streets to enable future camera work in these areas where infiltration has been observed as being heavy. And finally, their last recommendation is to clean, flush and vacuum out the collapsed manhole and section of main sewer running along Bayview. Waiting too long to do this or not doing it could cause a sewage backup.

The full report from Ted Berry, Inc., including the company's cost estimates to complete these recommendations, is still under review. McElhaney noted that we have money for improvements left over from last year with another \$30,000 budgeted for this year. Jo Huntoon (NVC President) suggested that we talk to Julian Sheffield (NVC Treasurer) about taking a loan against these accounts for making the improvements instead of spending it up front.

With the remaining findings, the NVC Sewer Department will notify the affected homeowners

whose lateral connections are leaking and contact outside contractors to repair the damaged manholes and the other leaks found in the main sewer lines.

### Outfall Pipe Inspection

The Department is currently attempting to schedule with a diver the annual inspection of the plant's outfall pipe before May 15, 2007. DEP requires this as part of the NVC consent agreement.

### Chlorination/Dechlorination

Fernie is preparing the chlorination/de-chlorination system to bring that system back on line for the season. DEP requires the effluent to be disinfected to kill off disease causing pathogens during the May 15 to September 30 swimming season. He reports the need for a spare metering pump and an electric chemical transfer pump to transfer the chemicals from the drums to the storage tanks. Parts to repair the piping to sodium bisulfite tank and the chemical transfer pump have been ordered. Moore's Septic will also be called to clean the chlorine contact chamber. The No Swimming Alarm will be installed on May 11.

### Septic Tanks/30-Degree V-Notch Weir/PS#1 Check Valve/ Shore Road Pump Station Inspection

The sludge from the septic tanks will also be vacuumed out this May by Moore's Septic. While this is being done the Department will hire concurrently Steven's Pump & Electric to install the 30-degree V-notch weir to further improve the flow measuring accuracy, remove the check valve from the discharge line of PS #1 to help prevent freezing ,and finally, to inspect the Shore Road Pump Station for its annual check up.

### Interim Funding Update to DEP

The semi-annual letter to DEP to update them on the Village's efforts to secure funding to make improvements to the sewer system is due by May 30<sup>th</sup>. This also is a requirement of the NVC consent agreement. The Sewer Department will contact DEP to see how much, if any, of the environmental bond referendum is earmarked for the NVC as well as the USDA Rural Development to determine if loan/grant money is still available.

## **Water Department**

### March 2007 Data

Water consumption in March averaged 11,498 gpd or 8 gpm compared to 12,487 gpd in March 2006. Instantaneous daily peak flow averaged 31 gpm.

Chlorine residuals in the water averaged .1 ppm versus the recommended level of less than .2 ppm.

The one monthly indicator test for coliform bacteria was negative.

### **Old Business**

Refer to Superintendent's report.

## **New Business**

Elaine Smith Letter:

The Trustees approved a letter to Elaine soliciting a payment plan on her past due balance so that water can be turned on.

Motion to send the letter by Jane Strauss, seconded by Linda Houghton . Voted – Judy Rohweder abstained. Motion approved.

May 15 Billing:

Paul Bartels reported that the readings are done and will be entered and processed next week. Bills will be mailed May 15.

## **Financials**

Too early in the month for any meaningful analysis.

Motion to adjourn the meeting by Judy Metcalf, seconded by Judy Rohweder. (Voted)

**Meeting adjourned at 4:10 PM**