

# UTILITIES COMMITTEE MEETING MINUTES

## MEETING ATTENDEES:

Gordon Fuller  
Richard Brockway  
Judy Metcalf (phone)  
Wendy Huntoon (phone)

## Other attendees:

R. McElhane Utilities Superintendent  
William Paige Utilities Distribution Officer  
Steve Kazilionis NVC Treasurer

Meeting called to order 2:30 PM 15 June, 2018 by Richard Brockway (acting chair and scrivener)

**May Minutes:** The minutes of the May meeting were approved, unanimously.

**Visitor Concerns:** S. Kazilionis indicated that we will see a large increase in the MMA charges for Workers Comp. Insurance. This is due to poor information and lack of certification. Steve K will be working to correct this issue. Steve K. also indicated that some slight increase in property insurance fees should also be seen.

Steve K. also presented a plan to fund the Cobe Road water service improvements through judicious use of the Water Dept. reserve funds. Long range plans call for this for 2021 (circa).

## **Superintendent's Report:**

**SEWER DEPT.** The May performance data was showing compliance with all parameters. (See Table below)

### April 2018 Effluent Monitoring Data

The NVC Wastewater Treatment Plant (WTP) was in full compliance with its wastewater discharge license for the month. There were no license exceedances.

Flow averaged 26,757 gpd compared to 18,900 gpd in 2017. Daily flow ranged from a low of 8,500 gpd to a high of 122,000 gpd during the month. Precipitation for the month was 6.30" versus 3.46" in 2017.

TSS and BOD<sup>5</sup> averaged 1.4 lbs/day (5.9 mg/l) and 3.4 lbs/day (15.3 mg/l), respectively compared to 2.0 lbs/day (9.2 mg/l) and 5.3 lbs/day (22.5 mg/l) in 2017.

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 (S.S.), and twice per day for total residual chlorine (May thru Sept).

## Monthly Performance Table

Parameters	April	March	February	YTD Lo	YTD Hi	YTD Ave	2017 Ave	DEP Monthly Limit	Exceed-ances
Flow GPD	<b>26757</b>	21742	16921	16921	26757	<b>21650</b>	<b>12017</b>	<b>&lt;63000</b>	0
Precip Inches	<b>6.30</b>	2.18	3.05	2.18	8.05	<b>4.9</b>	<b>3.33</b>	n/a	0
TSS lbs/day	<b>1.4</b>	0.9	1.2	0.9	1.4	<b>1.1</b>	<b>1.90</b>	<b>&lt;76</b>	0
TSS mg/l	<b>5.9</b>	7.2	7.3	5.9	13.8	<b>8.6</b>	<b>27.0</b>	<b>&lt;145</b>	0
BOD <sup>5</sup> lbs/day	<b>3.4</b>	2.1	2.8	1.8	3.4	<b>2.5</b>	<b>5.34</b>	<b>&lt;107</b>	0
BOD <sup>5</sup> mg/l	<b>15.3</b>	20.8	17.6	15.3	35.4	<b>22.3</b>	<b>70.7</b>	<b>&lt;203</b>	0
TSS% Removal	<b>98.0</b>	97.5	97.5	95.3	98.0	<b>97.1</b>	<b>91.3</b>	<b>&gt;50</b>	0
BOD% Removal	<b>94.7</b>	92.8	93.9	87.8	94.7	<b>92.3</b>	<b>75.6</b>	<b>&gt;30</b>	0
pH lo	<b>6.7</b>	6.7	6.7	6.7	6.7	<b>6.7</b>	<b>6.7</b>	<b>&gt;6.0</b>	0
pH Hi	<b>7.0</b>	7.0	7.0	7.0	7.0	<b>7.0</b>	<b>7.0</b>	<b>&lt;9.0</b>	0
S.S. ml/l	<b>&lt;0.1</b>	<0.1	<0.1	<0.1	<0.1	<0.1	<b>&lt;0.1</b>	<b>Report</b>	0
TRC mg/l	na	na	na	na	na	na	<b>0.02</b>	<b>&lt;.052</b>	0
F Col/100 ml	na	na	na	na	na	na	<b>&lt;1</b>	<b>&lt;15-ave</b>	0
F Col/100 ml	na	na	na	na	na	na	<b>&lt;1</b>	<b>&lt;50-max</b>	0

**Note:** The last exceedance for flow was **144 months ago (2/2006)**. The last exceedance for fecal coliform was **67 months ago (8/2012)**. The last exceedance for BOD was **42 months ago (9/2014)**. The record annual average low for flow was 12,017 gpd in 2017.

### May 2018 Snapshot

The NVC WTP is expected to be in full compliance with its license limits in May pending the DEP's completed review of the NVC's discharge monitoring report. Flow averaged 5,923 gpd. The report for precipitation as measured by the Belfast Water District (BWD) at their Little River Station was 0.95 inches.

## Drinking Water Department

### April 2018 Usage and Water Quality

Water consumption for the month averaged 11,985 gpd compared to 11,901 gpd in 2017. The weekly free chlorine residual in the drinking water ranged from 0.21 - 0.22 ppm/Cl<sup>2</sup> compared to the recommended goal of >.20 to <1.0 ppm/Cl<sup>2</sup>. The EPA maximum concentration level (MCL) not to be exceeded is 4.0 ppm. The monthly total and e-coli water sample test results were negative.

### New Water Flow Chart Recorder

The new Honeywell recorder at the Belfast Vault has been installed and is now recording real-time water flows. A new Foxboro pressure transmitter was included with the installation and for the first time is recording real-time water pressure as well. The old chart recorder bit the dust after 20 years of excellent service back in late February.

### 2017 Consumer Confidence Report

The 2017 Consumer Confidence and Water Quality Reports are now being prepared. The reports will be sent out with the July 1, 2018 trimesterly bills.

### South Shore Road Water Main

After a little trial and error, Bill Paige, the water department's Distribution Operator, successfully flushed out the dead end of the South Shore Road water main. Bill used the 2-inch blow-off located at the very end of the 8" water main and along with the parts purchased last fall flushed the line for about 2 1/2 hours. The flushing program at the dead ends of the water distribution system was implemented this year in response to odor and taste complaints last spring from a couple of seasonal customers upon turning their water on for the first time after being off over the long winter.

### Future Fire Hydrant Stubs

At the recommendation of Chairman Crofoot and Superintendent at last month's Board of Trustees' meeting, a list of existing hydrants and stubs for future hydrant installations has been prepared for the Board's perusal.

The list includes the locations of existing and future hydrants along with their water sources, locations and water pressure estimates. The list was sent to board members under separate cover for future planning and to help them to determine if, where and when any additional working fire hydrants might be wanted.

A color coded companion map showing the locations of the existing and future fire hydrants has also been prepared and is on the office wall for quick viewing.

WATER DEPT. The flow recorder at the "vault" has been replaced. Other than a few programming "glitches" the operation is fine. This recorder also provides data on the supply pressure.

Water mains in the South Shore area have been flushed out. Bluff road services still need flushing.

A listing of installed "stubs" on the drinking water service lines that are available for future fire hydrants was provided as an addendum to the Superintendent's report

**Hydrant Discussion:** A spirited discussion on the fire hydrants within the Village ensued.

First, there was a discussion on what appears to be a difference between what the Village pays for hydrant rental; and what the Utilities receive as income. Wendy H. volunteered her services to see if this discontinuity can be resolved.

A second part of the discussion concerned the installation of new hydrants. It was resolved that two locations for new hydrants (served by the drinking water supply) would best serve the core

Village; Broadway at Merrithew square, and near 764 Shore Road. It was also determined that the hydrant at the corner of Sea Street and George Street (served by the fire pond) was functioning well, while the remaining two hydrants served by the fire pond (corner Griffin and George Streets, and corner of Griffin and Broadway Streets) were ineffective.

NORTHPORT VILLAGE CORPORATION		EXISTING AND FUTURE HYDRANT LOCATIONS				
WATER SOURCE	LOCATION	NUMBER	Main Dia.	EST. PRESSURE (psi)		
DRINKING WATER	LITTLE RIVER	1	8"	90		
DRINKING WATER	DRINKWATER	2	8"	85		
DRINKING WATER	PARK ROW/BROADWAY	3	8"	85		
FIRE POND	GRIFFIN/GEORGE	1	6"	18		
FIRE POND	GRIFFIN/BROADWAY	2	6"	30		
FIRE POND	SEA/GEORGE	3	6"	34		
FUTURE HYDRANT STUBS						
DRINKING WATER	MERRITHEW PARK/BROADWAY	1	8"	80		
DRINKING WATER	CLINTON/GEORGE	2	8"	60		
DRINKING WATER	PLEASANT/GEORGE	3	8"	60		
DRINKING WATER	MAIN/GEORGE	4	8"	60		
DRINKING WATER	BLAISDELL PARK/SEA	5	8"	85		
DRINKING WATER	COBE/ShORE	6	8"	75		
DRINKING WATER	764 SHORE	7	8"	85		
DRINKING WATER	725-731 SHORE	8	8"	85		
DRINKING WATER	689 SHORE	9	8"	80		
DRINKING WATER	650 SHORE	10	8"	80		
DRINKING WATER	614 SHORE	11	8"	80		
DRINKING WATER	MAIN/BLUFF	12	8"	40		
DRINKING WATER	COBE/BLUFF	13	8"	40		
DRINKING WATER	ISLAND VIEW/BLUFF	14	8"	50		
DRINKING WATER	KELLEY COVE/BLUFF	15	8"	50		
DRINKING WATER	376 BLUFF	16	8"	50		
NOTE: GENERALLY SPEAKING, THE LOWER THE HYDRANT LOCATION ELEVATION THE HIGHER THE ESTIMATED WATER PRESSURE. i.e. HYDRANTS CLOSER TO SEA LEVEL WILL EXPERIENCE HIGHER WATER PRESSURES THAN THOSE LOCATED ALONG THE HIGHER ELEVATIONS OF THE BLUFF ROAD.						
RM 5/31/18						

**MOTION** (by Metcalf): **The utilities committee will recommend to the Overseers to direct the Village to pay the rental on two new hydrants (Broadway at Merrithew Square, and 764 Shore Road), and the Village would also fund the removal of the two nonfunctioning hydrants (served by the fire pond) located at Griffin and George, and Griffin and Broadway.**

Motion passed unanimously.

**New Sewer Service Application:** A sewer application was received for a new dwelling to be constructed at 23 Griffin Street on an existing lot of record.

Application approved

**Adjourn:** Meeting adjourned at 3:30 PM