

2017 SUMMARY REPORT FOR MUNICIPALITIES

Millbrook Municipal Well House

PERIOD: JANUARY 1, 2017 – DECEMBER 31, 2017



Municipal Drinking Water Licence: 136-101, Issue No. 5

MOECC Waterworks No: 220000781

February 2, 2018

Capability of Water System

The annual summary of water delivered in 2017 is as follows:

Raw Water Well #1

Month	Total Flow (m ³)	Daily Average (m ³)	Maximum Day (m ³ /d)	Peak Flows (L/second)	# Days in Use
January	5,934.14	296.71	653.51	21.90	20
February	4,946.29	309.14	643.04	21.70	16
March	5,138.69	270.46	550.29	20.94	19
April	1.33	1.33	1.33	15.19	1
May	0.00	0.00	0.00	0.00	0
June	265.22	53.04	114.03	32.35	5
July	2,050.71	227.86	581.23	26.98	9
August	5,011.25	313.20	754.21	17.64	16
September	7,392.15	284.31	770.42	17.42	26
October	5,372.49	282.76	751.64	17.35	19
November	4,278.95	213.95	594.20	17.50	20
December	3,940.72	281.48	560.78	15.53	14
Rated Capacity & Approved Flow rate	----	----	3,000 m ³	25 L / sec	

Raw Water Well # 2

Month	Total Flow (m ³)	Daily Average (m ³)	Maximum Day (m ³ /d)	Peak Flows (L/second)	# Days in Use
January	3,658.60	228.66	589.04	26.08	16
February	3,811.92	293.22	617.54	20.62	13
March	3,782.91	189.15	526.25	20.68	20
April	6,369.61	289.53	526.29	21.09	22
May	8,442.60	337.70	764.91	22.68	25
June	9,554.51	434.30	861.53	25.31	22
July	7,687.50	284.72	635.60	26.82	27
August	6,198.94	281.77	844.70	20.91	22
September	4,058.59	202.93	811.57	22.02	20
October	5,902.81	327.93	782.77	20.50	18
November	3,449.01	191.61	515.22	26.17	18
December	3,343.63	208.98	501.66	20.72	16
Rated Capacity & Approved Flow rate	----	----	3,000 m ³	25 L / sec	

Raw Water Well # 3

Month	Total Flow (m ³)	Daily Average (m ³)	Maximum Day (m ³ /d)	Peak Flows (L/second)	# Days in Use
January	2,456.91	175.49	540.43	21.29	14
February	2,735.51	182.37	461.11	21.61	15
March	3,686.75	184.34	432.30	22.47	20
April	5,583.07	253.78	541.50	20.36	22
May	5,691.46	227.66	588.32	20.64	25
June	9,465.72	430.26	803.65	21.79	22
July	6,138.92	236.11	680.25	20.35	26
August	7,350.26	367.51	724.54	20.86	20
September	5,037.61	228.98	556.90	23.88	22
October	4156.54	259.78	563.41	21.76	16
November	6,821.05	296.57	799.09	20.59	23
December	5,281.42	310.67	541.21	20.02	17
Rated Capacity & Approved Flow rate	----	----	3,000 m ³	25 L / sec	

The Municipal Drinking Water Licence and the Permit to Take Water permits a maximum water taking rate at the well house of 3,000 m³ day; and a peak flow rate of 25 L/second. Peterborough Utilities aims to adhere to the operational and compliance limits set out in the Permit and Licence however, certain operational circumstances may cause results to be temporarily outside of the limits. This is as a result of pump start ups, power outages, generator tests, fire hydrant flushing, calibration and alarm verification and are a normal part of operations and do not indicate a true exceedance. The Ministry of Environment and Climate Control is currently reviewing the peak flow limits to provide exceptions in the above-mentioned situations.

Submission of this Report

Schedule 22, section 22-2(1) of O. Reg. 170/03 under the Safe Drinking Water Act requires this report be submitted to the Peterborough Utilities Commission as it is the Peterborough drinking water system owner and a municipal service board under the Municipal Act, 2001.

Period Covered by this Report

Schedule 22, section 22-2(5) of O. Reg. 170/03 under the Safe Drinking Water Act requires this report cover the period of January 1, 2017 to December 31, 2017.

Failure to Meet Requirements of the Safe Drinking Water Act and Regulations

There are no known failures to meet the requirements of the Safe Drinking Water Act, 2002 or any current regulation made under this Act.

Failure to Meet Requirements of the Municipal Drinking Water Licence

There are currently no known failures to meet the requirements of the terms and conditions of Municipal Drinking Water Licence, number 145-101, Issue No.5.

Failure to Meet Requirements of Provincial Officer Orders

There were no Provincial Officer's Orders issued during the period covered by this report. There are currently no known failures to meet the requirements of the terms and conditions of any Provincial Officer's Orders.

This report has been prepared by Patrick J. Devlin, HBSc., Peterborough Utilities Services Inc., representative of the contracted operating authority.

Patrick J. Devlin, HBSc.
Vice-President, Water Utility Services
Peterborough Utilities Services Inc.