

Town of Millbury  
Minutes of  
Sewer Commission Meeting  
October 25, 2016

RECEIVED  
TOWN CLERK  
OCT 21 AM 11:33  
MILLBURY, MASS

**ITEM ONE – CALL TO ORDER**

Chairman Nelson called the meeting to order at 5:00 p.m. Those in attendance are noted below:

Board Members

Gary Nelson  
Lisa Allain

Staff/Other

Rob McNeil  
Andrea Paquette

**ITEM TWO – APPROVAL OF MINUTES**

Lisa Allain motioned to approve the minutes of the October 11, 2016 meeting as submitted; Gary Nelson seconded; a unanimous vote of approval was obtained.

**ITEM THREE – OPERATIONS**

Rob McNeil reported that the office was notified by Aquarion Water Company that they will be undergoing a system-wide software update which may affect our ability to import data for our billing process. They will be working with Vadar representatives to make sure we don't have any compatibility conflicts that could affect future billing.

Rob announced that the office received 11 Abatement Requests today from Atty. George Kiritsy regarding the Sewer Assessment Bills sent to residents at Autumn Gate Circle. He said they haven't been reviewed, but will be addressed at a later time.

Brian Falk of Mirick O'Connell was present to review and discuss with the Sewer Commission, the Sewer Special Acts regarding Sewer Privilege Fees. He explained in detail the five special acts authorizing sewer privilege fees in Millbury, beginning with the Act of 1973 and up until present time. Discussion included explanation of sewer privilege fees vs. betterment and connection fees, timing and amounts of assessments.

**ITEM FOUR – ABATEMENTS**

• **Abatement Request**

Kevin McArdle of 44 Oakpond Ave. was present to discuss his request for abatement of his sewer use bill. His bill, in the amount of \$5,256.16, included charges dating back to 2003 as it was learned that he connected to sewer in 2003 but was never billed until now. Mr. McArdle said he did connect to Town sewer in 2003 but capped it, stating it was never plumbed to the house. Rob McNeil explained that Town records show it was connected all this time and that we have no evidence it wasn't. Mr. McArdle said he didn't actually connect until May 27, 2014. Lisa Allain asked if he has evidence i.e. invoices from having the septic tank pumped over the period of time in question. He has not. Nor does he have anything from the contractor that he said connected him on 2014. Rob explained proper procedure when connecting to Town sewer, i.e. abandoning the septic system through the Board of Health (BOH), Town inspection of the new connection - stating the Town has no record of these important safety processes. Until Mr. McArdle takes the following actions, Rob McNeil recommended the Sewer Commission not consider an abatement: 1) contact the Building Inspector to have the Town's Plumbing Inspector do an inspection; 2) get proof from the BOH of septic abandonment; 3) owner of record sign & submit the required Sump Pump Form. The Commission concurred with Rob. Mr. McArdle was advised accordingly and told at such time he's accomplished these actions, he can request an abatement. Currently the amount he was billed is still due.

**ITEM FIVE – SEWER CONNECTIONS**

Rob McNeil explained the applications before the Commission are associated with a new condominium subdivision off Burbank St., to be comprised of 22 residential structures and 1 townhouse. Rob said Keystone Development is proposing one connection for each two-unit building and recommended approval of the following sewer connection permits per his review:

- Unit 1 Stratford Village Dr.
- Unit 3 Stratford Village Dr.
- Unit 5 Stratford Village Dr.
- Unit 7 Stratford Village Dr.

- Unit 9 Stratford Village Dr.
- Unit 11 Stratford Village Dr.

Lisa Allain motioned to approve permits for Keystone Development for new sewer connections at Stratford Village Dr., as indicated above; seconded by Gary Nelson; a unanimous vote of approval was obtained.

**ITEM SIX – FUTURE MEETING DATES**

11/15/16, 12/13/16, 1/10/17

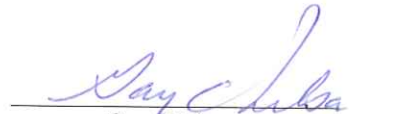
**ITEM SEVEN – ADJOURNMENT**

At 5:45 p.m. Lisa Allain motioned to adjourn the meeting, Gary Nelson seconded. Meeting adjourned.

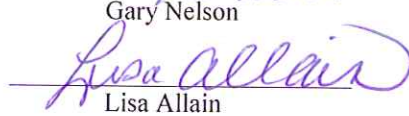
Respectfully submitted,



Andrea Paquette  
Head Clerk



Gary Nelson



Lisa Allain

TOWN OF MILLBURY  
MEETING NOTICE/ AGENDA TOPICS



**Sewer Commission**

**Date of Meeting:** October 25, 2016  
**Time of Meeting:** 5:00 PM  
**Meeting Location:** Small Conference Room  
Regular Meeting

**AGENDA**

1. Minutes:  
October 11, 2016 Meeting
2. Invoices:
3. Operations :  
Sewer Special Act – Brian Falk of Mirick O’Connell to discuss  
Aquarian Software Update
4. Abatement Requests:  
Kevin McArdle 44 Oakpond Ave.
5. Betterments:
6. Sewer Extensions/Connections:  
Applications: Unit 1 Stratford Village Dr. – Keystone Development  
Unit 3 Stratford Village Dr. – Keystone Development  
Unit 5 Stratford Village Dr. – Keystone Development  
Unit 7 Stratford Village Dr. – Keystone Development  
Unit 9 Stratford Village Dr. – Keystone Development  
Unit 11 Stratford Village Dr. – Keystone Development
7. Upcoming Meeting Dates:  
11/15/16, 12/13/16, 1/10/17
8. Adjournment

Any and all business not reasonably anticipated to be discussed

Signature of Chair Person or Clerk: \_\_\_\_\_

This notice is in accordance with the Open Meeting Law effective July 1, 2010.



MIRICK O'CONNELL

ATTORNEYS AT LAW

**Brian R. Falk**  
Mirick O'Connell  
100 Front Street  
Worcester, MA 01608-1477  
bfalk@mirickoconnell.com  
t 508.929.1678  
f 508.983.6256

**VIA HAND DELIVERY**

October 25, 2016

Sewer Commission  
Town of Millbury  
127 Elm Street  
Millbury, MA 01527

Re: Sewer Privilege Fees

Dear Commissioners:

Robert McNeil, Director of Public Works, asked me to appear at your October 25, 2016 meeting to discuss the special acts authorizing the Town to charge sewer privilege fees. This memorandum is intended to provide you with background information on this subject.

**Special Acts Authorizing a Sewer Privilege Fee:**

Five special acts authorize and govern sewer privilege fees in Millbury: Chapter 307 of the Acts of 1973; Chapter 156 of the Acts of 1978; Chapter 491 of the Acts of 1990; Chapter 389 of the Acts of 2002; and Chapter 11 of the Acts of 2007. Following the original 1973 special act, each subsequent act amended sections of the original or prior act. Enclosed with this memorandum is a consolidated "as amended" version (referred to as the "Acts") along with copies of all five special acts.

The Acts authorize the Town to charge a sewer privilege fee whenever a building or structure is accessible to the town sewer system, or whenever a previous connection has a change in use. The amount charged is the fee in place at the time the sewer construction available to the building is constructed, or for a change in use the fee in effect when a permit issues or the new use begins. Town Meeting sets the fee. The current fee, set in 2002, is \$5,000 per unit. Single-family homes count as one unit. The Acts provide formulas to determine the sewer privilege fee for multifamily dwellings and commercial uses.

The Sewer Commission assesses sewer privilege fees, with no time limitation on the assessment once the building is accessible to the sewer system. The assessment is filed with Board of Assessors, recorded as a lien on the property if not paid in full within 120 days, and committed to the Tax Collector.

October 25, 2016

Page 2

**Issues Concerning the Sewer Privilege:**

**Sewer Privilege Fee Vs. Betterments and Connection Fees:**

The Acts create a sewer privilege fee that functions like a cross between a betterment and a sewer connection fee. Like a betterment, the fee is assessed based upon the availability of sewer service, whether or not a connection is actually made. Like a sewer connection fee, the sewer privilege fee is a flat amount, and not tied to the cost of the sewer project itself.

**Timing of the Assessment:**

Under the Acts, the sewer privilege fee assessment is not necessarily made when a sewer project is complete, because the fee only applies to buildings. Under the Acts, a sewer extension along raw land does not result in any sewer privilege fees until a building is constructed on the land. Thus, it is possible that the Town may extend sewer service along a road adjacent to a vacant lot and cannot assess a sewer privilege fee until the lot owner erects a building on the land (years or decades later); however, the lot owner must pay the sewer privilege fee upon completion of a building, even if the building is served by private wastewater disposal and does not connect to the Town's sewer system.

In addition, because the Town may not assess the sewer privilege fee until a building is completed, the fee may be charged to a new homeowner and not the developer completing the sewer connection to a new home. Some homebuilders in Millbury are aware of this fact and notify buyers that they will be assessed a \$5,000 sewer privilege fee by the Town at some point after the closing. In some cases, however, new homeowners have been unaware – and shocked – by the \$5,000 assessment.

Please note that prior to the 1978 amendment to the Acts, the sewer privilege fee was charged at the time of connection, similar to a sewer connection fee. In addition, prior to the 2007 amendment to the Acts, in the case of sewer extensions completed by subdivision developers, connections of single family dwellings were assessed one-half unit during the five years following the subdivision approval by the Planning Board.

**Amount of Assessment:**

Because the Acts require that the sewer privilege assessment is based upon the unit fee in effect when the relevant sewer construction was completed, the Town must keep track of construction dates for sewer projects and historic fee schedules. Under the Acts, two homes built in 2016 might pay different sewer privilege fees depending upon when the sewer construction available to those homes was completed. The sewer privilege fee was \$900 per unit in 1973, and increased to \$1,200 in 1985, \$1,800 in 1992, \$2,100 in 1997 and \$5,000 in 2002.

MIRICK O'CONNELL

October 25, 2016

Page 3

**Options:**

Any further amendments to the Acts require (i) an affirmative vote at Town Meeting, and (ii) passage of a new special act by the State Legislature. This same procedure is necessary to repeal the Acts.

Upon an amendment or repeal of the Acts, the Sewer Commission might consider assessing betterments for sewer extension projects, if authorized by Town Meeting, based upon the existing General Laws governing betterments. Similar to the existing sewer privilege fee, betterments may be collected through liens. Further, the Town might consider sewer connection fees, charged at the time of connection.

I am happy to discuss these options at your meeting on October 25.

Very truly yours,

A handwritten signature in black ink, appearing to read 'BRF', with a stylized flourish at the end.

Brian R. Falk

BRF/

**Millbury Sewer Privilege Fee Special Acts - Consolidated**

Chapter 307 of the Acts of 1973;  
Chapter 156 of the Acts of 1978;  
Chapter 491 of the Acts of 1990;  
Chapter 389 of the Acts of 2002; and  
Chapter 11 of the Acts of 2007

SECTION 1. Notwithstanding the provisions of chapters eighty and eighty-three of the General Laws, the town of Millbury shall hereinafter charge a permanent sewer privilege fee as established by this act. The fees established herein may be changed from time to time upon vote of the town at any annual town meeting.

SECTION 2. Whenever a building or structure is accessible either directly or indirectly, to the town sewer system, or any connection already made, or whenever the use of a sewer previously connected is subsequently changed as hereinafter provided, a permanent sewer privilege fee shall be assessed. Such fee shall be that which is in effect at the time the sewer construction is completed; or, in case of a change in use of a sewer previously connected, then the fee in effect at the time an application for a building permit is filed; or if no such permit is required then at the time an occupancy permit is issued, or, if none, then at the time the new use begins.

SECTION 3. The permanent sewer privilege fee shall be at the rate of nine hundred dollars per unit. For the purpose of this act, the number of units to be assessed on each building or structure shall be as follows:-

A. Residential use.

1. Each single family building accessible directly to the town sewer system shall be assessed as one unit.
2. Each dwelling unit in a multiple family dwelling, accessible to the town sewer system directly or indirectly, shall be assessed one full unit and one-half unit for each additional unit in the dwelling. For the purpose of this section, multiple family dwellings shall be deemed to include, but not to be limited to, more than single family buildings, apartment houses, complexes, town houses, condominiums, or otherwise. If any units in a multiple family dwelling are individually owned they shall be assessed as one full unit.

B. Other uses.

1. For uses other than residential, there shall be an assessment of a minimum of one unit, and an additional unit for every ten thousand square feet of floor space, or major portion thereof, exceeding an initial ten thousand square feet, up to a total of fifty thousand square feet of floor space; and an

additional unit for every twenty-five thousand square feet of floor space, or major portion thereof exceeding the initial fifty thousand square feet.

2. In the case of approved commercial or industrial subdivisions, when branch or secondary mains are installed and paid for by developers or by persons other than the town of Millbury the charges assessed shall be one-half of the charges described in paragraph one for a period of five years from the date of the original subdivision plan approval. Paragraph 1 shall apply to all assessments made after the original five-year period.

SECTION 4. The owner or occupant of any building upon land abutting on a public or private way, in which there is a common sewer, shall connect the same therewith by a sufficient drain. If such land, by reason of its grade or level or any other cause, cannot be drained into such sewer, a variance from this requirement may be granted by the board of health until said incapacity is removed, provided that a private septic tank system is installed which meets the requirements of the board of health, said variance to be only for so long as said system continues to meet those requirements as they may be amended or revised.

SECTION 5. The fee under this act shall be assessed by the sewer commissioners upon the estate benefited thereby. Such assessment shall be made by filing with the board of assessors of the town a certificate, designating the way on which the premises lies, and giving the name or names of the owners of the estate for which such assessment has been made and the amount of the assessment to be paid by such owner or owners. A copy or duplicate of this certificate shall, within 120 days after its filing with the board of assessors, be recorded in the registry of deeds for Worcester county, or in the case of registered land, filed in the office of the assistant recorder for the Worcester county registry district, unless the owner of the premises assessed pays the assessment before the time for filing as specified in this section. The board of assessors shall, upon receipt of such certificate, forthwith commit such assessment with this warrant to the collector of taxes, who shall forthwith make a demand in writing for the payment of such assessment, and every owner shall, within three months after such a demand is served upon him or on the occupant of such estate, or sent by mail to the last address of the owner known to the collector of taxes, pay to the collector of taxes the sum so assessed or charged.

SECTION 6. Except as herein provided, the provisions of the General Laws relative to the assessment, apportionment, division, reassessment, abatement, and collection of sewer assessments, to liens therefor, and to interest thereon shall apply to assessments made under this act. In applying said provisions to assessments made under this act, the notice referred to herein shall be deemed to be the demand of the tax collector. The lien for any assessment made under this act shall attach upon the recording or filing for registration of the copy or duplicate of the certificate of assessment.



SECTION 7. In addition to the fees prescribed by this act, the owner shall pay the rates established from time to time for sewer usage and shall also pay for all service work, materials, and inspection from the main to the building or buildings serviced.

SECTION 8. This act shall take effect upon its passage.

**Chap. 307. AN ACT RELATIVE TO SEWERAGE FACILITIES AND  
BETTERMENTS IN THE TOWN OF MILLBURY**

Be it enacted, etc., as follows:

SECTION 1. Notwithstanding the provisions of chapters eighty and eighty-three of the General Laws, the town of Millbury shall hereinafter charge a permanent sewer privilege fee as established by this act. The fees established herein may be changed from time to time upon vote of the town at any annual town meeting.

SECTION 2. Whenever a connection is made, either directly or indirectly, to the town sewer system, or any connection already made, or whenever the use of a sewer previously connected is subsequently changed as hereinafter provided, a permanent sewer privilege fee shall be assessed. Such fee shall be that which is in effect at the time the connection is made; or, in case of a change in use of a sewer previously connected, then the fee in effect at the time an application for a building permit is filed; or if no such permit is required then at the time an occupancy permit is issued, or, if none, then at the time the new use begins .

SECTION 3 The permanent sewer privilege fee shall be at the rate of nine hundred dollars per unit. For the purpose of this act, the number of units to be assessed on each connection shall be as follows:

A. Residential use.

1. Each single family building connected directly to the town sewer system shall be assessed as one unit.
2. Each dwelling unit in a multiple family dwelling, whether connected to the town sewer system directly or indirectly, shall be assessed one full unit and one-half unit for each additional unit in the dwelling. For the purpose of this section, multiple family dwellings shall be deemed to include, but not to be limited to, more than single family buildings, apartment houses, complexes, town houses, condominiums, or otherwise.
3. In the case of approved subdivisions, when branch or secondary mains are installed and paid for by developers, or by persons other than the town of Millbury each single family dwelling connected to the town sewer system shall be assessed one-half unit for a period of five years from the date of the original subdivision plan approval by the planning board. Paragraph 1 shall apply to all connections made after the original five-year period.

B. Other uses.

1. For uses other than residential, there shall be an assesment of a minimum of one unit, and an additional unit for every ten thousand square feet of floor space, or major portion thereof, exceeding an initial ten thousand square feet, up to a total of fifty thousand square feet of floor space; and an additional unit for every twenty-five thousand square feet of floor space, or major portion thereof exceeding the initial fifty thousand square feet.
2. In the case of approved commercial or industrial subdivisions, when branch or secondary mains are installed and paid for by developers or by persons other than the town of Millbury the charges assessed shall be one-half of the charges described in paragraph 1 for a period of five years from the date of the original subdivision plan approval. Paragraph 1 shall apply to all connections made after the original five-year period.

C. Changes in use.

1. When a sewer has previously been connected, in residential uses when additional dwelling units are added, a fee of one-half unit per additional dwelling unit shall be assessed.
2. When a sewer has previously been connected, in uses other than residential when additional floor space is added, a fee shall be assessed of one unit for each additional ten thousand square feet of floor space, or major portion thereof, up to a total of fifty thousand square feet of total floor space of the building; and an additional unit for every twenty-five thousand square feet of floor space, or major portion thereof, exceeding the initial fifty thousand square feet.

SECTION 4. The owner or occupant of any building upon land abutting on a public or private way, in which there is a common sewer, shall connect the same therewith by a sufficient drain. If such land, by reason of its grade or level or any other cause, cannot be drained into such sewer, a variance from this requirement may be granted by the board of health until said incapacity is removed, provided that a private septic tank system is installed which meets the requirements of the board of health, said variance to be only for so long as said system continues to meet those requirements as they may be amended or revised.

SECTION 5. The fee under this act shall be assessed by the sewer commissioners upon the estate benefited thereby.- Such assessment shall be made by filing with the board of assessors of the town a certificate, designating the way on which the premises connected lies, and giving the name or names of the owners of the estate for which such connection has been made and the amount of the assessment to be paid by such owner or owners. A copy or duplicate of this certificate shall, within

thirty days after the filing of the same with the board of assessors, be recorded in the registry of deeds for the county of Worcester, or, in the case of registered land, filed in the office of the assistant recorder for the Worcester County Registry District. The board of assessors shall, upon receipt of such certificate, forthwith commit such assessment with this warrant to the collector of taxes, who shall forthwith make a demand in writing for the payment of such assessment, and every owner shall, within three months after such a demand is served upon him or on the occupant of such estate, or sent by mail to the last address of the owner known to the collector of taxes, pay to the collector of taxes the sum so assessed or charged.

SECTION 6. Except as herein provided, the provisions of the General Laws relative to the assessment, apportionment, division, reassessment, abatement, and collection of sewer assessments, to liens therefor, and to interest thereon shall apply to assessments made under this act. In applying said provisions to assessments made under this act, the notice referred to herein shall be deemed to be the demand of the tax collector. The lien for any assessment made under this act shall attach upon the recording or filing for registration of the copy or duplicate of the certificate of assessment.

SECTION 7. In addition to the fees prescribed by this act, the owner shall pay the rates established from time to time for sewer usage and shall also pay for all service work, materials, and inspection from the main to the building or buildings serviced.

SECTION 8. This act shall take effect upon its passage.

Approved May 24, 1973.

**Chap. 156. AN ACT RELATIVE TO BETTERMENT ASSESSMENTS FOR SEWERAGE FACILITIES IN THE TOWN OF MILLBURY.**

Be it enacted, etc., as follows:

SECTION 1. Chapter 307 of the acts of 1973 is hereby amended by striking out sections 2 and 3 and inserting in place thereof the following two sections:-

Section 2. Whenever a building or structure is accessible either directly or indirectly, to the town sewer system, or any connection already made, or whenever the use of a sewer previously connected is subsequently changed as hereinafter provided, a permanent sewer privilege fee shall be assessed. Such fee shall be that which is in effect at the time the sewer construction is completed; or, in case of a change in use of a sewer previously connected, then the fee in effect at the time an application for a building permit is filed; or if no such permit is required then at the time an occupancy permit is issued, or, if none, then at the time the new use begins.

Section 3. The permanent sewer privilege fee shall be at the rate of nine hundred dollars per unit. For the purpose of this act, the number of units to be assessed on each building or structure shall be as follows:-

A. Residential use.

1. Each single family building accessible directly to the town sewer system shall be assessed as one unit.
2. Each dwelling unit in a multiple family dwelling, accessible to the town sewer system directly or indirectly, shall be assessed one full unit and one-half unit for each additional unit in the dwelling. For the purpose of this section, multiple family dwellings shall be deemed to include, but not to be limited to, more than single family buildings, apartment houses, complexes, town houses, condominiums, or otherwise.
3. In the case of approved subdivisions, when branch or secondary mains are installed and paid for by developers, or by persons other than the town of Millbury each single family dwelling accessible to the town sewer system shall be assessed one-half unit for a period of five years from the date of the original subdivision plan approval by the planning board. Paragraph 1 shall apply to all assessments made after the original five-year period.

B. Other uses.

1. For uses other than residential, there shall be an assessment of a minimum of one unit, and an additional unit for every ten thousand square feet of floor space, or major portion thereof, exceeding an initial ten thousand square feet, up to a total of fifty thousand square feet of floor space; and an additional unit for every twenty-five thousand square feet of floor space, or major portion thereof exceeding the initial fifty thousand square feet.
2. In the case of approved commercial or industrial subdivisions, when branch or secondary mains are installed and paid for by developers or by persons other than the town of Millbury the charges assessed shall be one-half of the charges described in paragraph one for a period of five years from the date of the original subdivision plan approval. Paragraph 1 shall apply to all assessments made after the original five-year period.

SECTION 2. Section 5 of said chapter 307 is hereby amended by striking out the second sentence and inserting in place thereof the following sentence:- Such assessment shall be made by filing with the board of assessors of the town a certificate, designating the way on which the premises lies, and giving the name or names of the owners of the estate for which such assessment has been made and the amount of the assessment to be paid by such owner or owners

Approved May 12, 1978

**Chapter 491. AN ACT RELATIVE TO BETTERMENT ASSESSMENTS FOR SEWERAGE FACILITIES IN THE TOWN OF MILLBURY.**

Be it enacted, etc., as follows:

Paragraph 2 of subsection A of section 3 of chapter 307 of the acts of 1973, as amended by section 1 of chapter 156 of the acts of 1978, is hereby further amended by adding the following sentence:- If any units in a multiple family dwelling are individually owned they shall be assessed as one full unit.

Approved December 29, 1990.

**Chapter 389. AN ACT RELATIVE TO BETTERMENT ASSESSMENTS FOR SEWERAGE FACILITIES IN THE TOWN OF MILLBURY**

Be it enacted, etc., as follows:

Section 5 of chapter 307 of the acts of 1973, as amended by section 2 of chapter 156 of the acts of 1978, is hereby further amended by striking out the third sentence and inserting in place thereof the following sentence:- A copy or duplicate of this certificate shall, within 120 days after its filing with the board of assessors, be recorded in the registry of deeds for Worcester county, or in the case of registered land, filed in the office of the assistant recorder for the Worcester county registry district, unless the owner of the premises assessed pays the assessment before the time for filing as specified in this section.

Approved December 5, 2002.

**Chap. 0011. AN ACT RELATIVE TO THE SEWERAGE FACILITIES AND BETTERMENTS IN THE TOWN OF MILLBURY.**

Be it enacted, etc., as follows:

Subsection A of section 3 of chapter 307 of the acts of 1973, as appearing in section 1 of chapter 156 of the acts of 1978, is hereby amended by striking out paragraph 3.

Approved February 8, 2007.

Millbury Sewer Pump Station  
 131 Providence Street  
 Millbury, MA 01527

Annual/Monthly Sewer Flow Data Report  
 September 2016

Day	Total Flow (MG)	Sutton Flow (MG)	Millbury Flow (MG)	Temp. (°F)	Precipitation (inches)
1	1.018	0.159	0.859	69	0.45
2	0.988	0.15	0.838	60	0
3	0.993	0.136	0.857	56	0
4	0.977	0.13	0.847	52	0
5	1.168	0.156	1.012	59	0.14
6	1.029	0.153	0.876	63	0.22
7	1.062	0.15	0.912	68	0.03
8	0.998	0.149	0.849	69	0
9	0.915	0.141	0.774	73	0
10	1.039	0.142	0.897	71	0
11	1.134	0.152	0.982	74	0.08
12	1.083	0.147	0.936	49	0
13	0.887	0.15	0.737	53	0
14	0.964	0.145	0.819	66	0.08
15	1.006	0.145	0.861	52	0
16	0.938	0.146	0.792	51	0
17	1	0.138	0.862	48	0
18	1.089	0.151	0.938	69	0
19	1.047	0.15	0.897	71	0.24
20	0.997	0.152	0.845	66	0
21	0.974	0.145	0.829	60	0
22	0.966	0.145	0.821	55	0
23	0.93	0.14	0.790	60	0.16
24	0.991	0.14	0.851	56	0
25	0.98	0.153	0.827	43	0
26	1.114	0.152	0.962	39	0.27
27	0.99	0.148	0.842	69	0
28	1.011	0.148	0.863	59	0.02
29	1.028	0.145	0.883	54	0
30	1.101	0.146	0.955	55	0.45

Day	Total Flow (MG)	Sutton Flow (MG)	Millbury Flow (MG)	Temp. (°F)	Precipitation (inches)
<b>Total =</b>	<b>30.417</b>	<b>4.404</b>	<b>26.013</b>	<b>1789</b>	<b>2.14</b>
<b>Average Daily =</b>	<b>1.014</b>	<b>0.147</b>	<b>0.867</b>	<b>59.633</b>	<b>0.071</b>
<b>High =</b>	<b>1.168</b>	<b>0.159</b>	<b>1.012</b>	<b>74</b>	<b>0.45</b>
<b>Low =</b>	<b>0.887</b>	<b>0.13</b>	<b>0.737</b>	<b>39</b>	<b>0</b>

Note: All data readings taken by staff at 7:00 AM daily





# Town of Millbury DEPARTMENT OF PUBLIC WORKS

MUNICIPAL OFFICE BUILDING  
127 Elm Street · MILLBURY, MA 01527-0632  
Tel. 508-865-9143 · Fax: 508-865-0843

Sewer Division  
Annual/Monthly Flow Report  
2016

ROBERT D. McNEIL III, P.E., Director  
[rmcneil@townofmillbury.net](mailto:rmcneil@townofmillbury.net)

REVISED: October 20, 2016  
REVISED BY: R. McNeil

Month	Total Flow (MG)	Rainfall (in)	Sutton Flow (MG)	Millbury Flow (MG)	Sutton % of Total Flow
January	38,295	2.68	5,989	32,306	15.64%
February	39,013	4.16	5,909	33,104	15.15%
March	43,559	3.24	6,282	37,277	14.42%
<b>3rd Qtr. Totals =</b>	<b>120,867</b>		<b>18,180</b>	<b>102,687</b>	<b>15.04%</b>
April	42,757	3.17	6,155	36,602	14.40%
May	37,189	2.97	5,778	31,411	15.54%
June	30,103	2.29	4,989	25,114	16.57%
<b>4th Qtr. Totals =</b>	<b>110,049</b>		<b>16,922</b>	<b>93,127</b>	<b>15.38%</b>
July	29,102	2.43	4,700	24,402	16.15%
August	31,939	4.45	4,826	27,113	15.11%
September	30,417	2.14	4,404	26,013	14.48%
<b>1st Qtr. Totals =</b>	<b>91,458</b>		<b>13,930</b>	<b>77,528</b>	<b>15.23%</b>
October					#DIV/0!
November					#DIV/0!
December					#DIV/0!
<b>2nd Qtr. Totals =</b>	<b>0.000</b>		<b>0.000</b>	<b>0.000</b>	<b>#DIV/0!</b>
<b>Year Totals =</b>	<b>322,374</b>		<b>49,032</b>	<b>273,342</b>	<b>15.21%</b>
<b>Annual Rainfall (in) =</b>		<b>27.53</b>			

Note: Flow data generated from actual calibrated meter readings at the Millbury and Sutton Sewer Facilities.  
Total Flow data is measured at the Millbury Sewer Plant's Parshall Flume meter.  
Sutton Flow data is generated from actual calibrated meter readings from the Sutton Pump Station taken at the Millbury Sewer Plant.  
Millbury Flow data calculated by subtracting Sutton Flow data from Total Flow data.