

# Mount Joy Borough Authority 2016 Annual Report



# Mount Joy Borough Authority

## 2016 Annual Report

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## *ARE YOU REPLACING YOUR CURB OR SIDEWALK?*

While your sidewalk contractor is removing your old sidewalk, it is very wise to dig a little further to check the condition of your water service line. If it is a galvanized line, you should consider replacing it with new copper line before spending the money on your new sidewalk knowing an old water line is located under it.

Many times shortly after pouring the new concrete sidewalk, the disturbance from the construction causes the old line to leak resulting in the new sidewalk having to be dug up. If you have your contractor carefully expose the water line, Authority staff will be happy to inspect it free of charge.

Also, your contractor should be sure that the curb valve box is perfectly straight and over the valve. In order not to pour concrete against the curb box lid, wrapping duct tape around the lid works well.

If you are planning any curb and sidewalk replacement and are unsure of your situation relative to your water line, feel free to contact the Authority Office for assistance.



Mount Joy Borough Authority has contracted with SWIFT Reach Network to have an immediate response mechanism to alert you of any important news relative to your water/sewer service. Currently we have basic information for most property owners. You are able to access this file to add/change items, such as cell phone or other electronic devices such as e-mail. Please visit [mountjoy-borough.com](http://mountjoy-borough.com) and click on the link to the left that says "Police", then follow to the link that says "Swift 911 Emergency" to submit your information electronically. This system will also be available for use by the Borough and Police Department to alert you of emergencies. If you do not have internet access, please call the Authority Office at 717-653-5938 so we can update your information for you.

# *A Message From The Authority Board Chairman*



The 2016 Annual Report will highlight projects and changes within the Authority over the last year, status of current projects and the proposed infrastructure upgrades that will be undertaken in the future.

I would like to take the opportunity to first introduce myself, as this will be my inaugural message to the customers of Mount Joy Borough Authority (MJBA) since being nominated and subsequently accepting the position of Chairman. My name is John D. Rebman and I was appointed by Mount Joy Borough Council to serve on the Authority Board in January 2012. Over the past few years I have held the position of Assistant Secretary/Treasurer and Secretary for MJBA.

In years prior to being appointed onto the Authority Board, I represented the Florin Ward as a Mount Joy Borough Counselor for nine years, seven of them as President of Borough Council.

MJBA's board consists of five members and over the years the Authority has had the privilege of having qualified, diverse and dedicated members of the community fully involve themselves in helping to provide excellent water and sewer services for the customers.

During the last 4 years we have gone through quite a change, from the retirements of David Shireman, Kenneth Gainer and John Weidman to the losses of Richard Peifer and James Hornafius. All board members who's insight steered the Authority in a pro-active direction. We thank them for their time and service.

We look forward to our current board members continuing this tradition of guidance to enable the Authority to remain proactive with future infrastructure improvements, regulatory requirements and the needs of our customers.

As mentioned in past Annual Reports, I ask that you take time and read through the articles and reports contained within the report. Our employees take extreme pride in providing both water and sewer services to the customers served by the Mount Joy Borough Authority. I would also like to thank our administrative staff for their knowledge, continued training, customer relations and efforts put forth in keeping the Authority providing water and sewer services to our customers. See below the status of our employees pertaining to PA Dep licensing.

<u>Name</u>	<u>Position</u>	<u>Certification/Licensing</u>
John Leaman	Authority Manager	Water and Sewer License
Joe Ardini	Assistant Authority Manager	Water and Sewer License
Barry Geltmacher	Chief Operator/Water Plant	Water License
Scott Kling	Operator/Water Plant	Water License
Zachary Dennis	Operator/Water Plant	Water and Sewer License
Scott Kapcsos	Project Administrator/Inspector	Water License
Jim Zink	Construction/Water Plant	Water License
Jason Bowers	Construction/Water Plant	Water License in process
Dennis Hardman	Chief Operator/Sewer Plant	Sewer License
Gary Karichner	Operator/Sewer Plant	Sewer License
Ralph Eckels	Operator/Sewer Plant	Water and Sewer License
David Piatt	Operator/Sewer Plant	Water and Sewer License
Bret Babula	Construction/Sewer Plant	Sewer License in Process

# Board of Directors & Officers

Back Left to Right:  
Richard Hamm, Robert Golicher,  
Christopher Metzler

Front Left to Right:  
John D. Rebman, Larry Derr

The Board of Directors & Officers meet on the first and third Tuesday of each month at 4 PM.



## Mount Joy Borough Authority Staff

### Administration



(Pictured from left to right, back to front)

John Leaman  
Administrator/Manager (W-A1 / S-A1) - 30 yrs

Joe Ardini  
Operation Manager/Superintendent  
(S-A1 / W-A1) - 19 yrs

Lindsey Edgell  
Administrative Assistant- 14 yrs

Angie Fenice  
Business Manager- 17 yrs

# Mount Joy Borough Authority Staff

## Water Department



(Pictured from left to right)  
Barry Geltmacher: Chief Operator (W-A1) -23 yrs  
Scott Kapcsos: Construction Supervisor (W-B1) -5 yrs  
Scott Kling: Operator (W-A1) -9 yrs  
Zachary Dennis: Operator (WA-1/SA-1) -2 yrs  
Jason Bowers: Construction Laborer -17 yrs  
Jim Zink: Operator/Const. Laborer (W-A2) -37 yrs

## Wastewater/Construction Department



(Pictured from left to right)  
Bret Babula: Operator -2 yrs  
Gary Karichner: Operator (S-B1) -9 yrs  
Dennis Hardman: Chief Operator (S-A1) -17 yrs  
David Piatt: Operator (W-A1/S-A1) -3 yrs  
Ralph Eckels: Operator (S-A1/W-A1) -18 yrs  
Larry Herr: Part-Time Maintenance -13 yrs

# *A Message From The Authority Administrator*

## *John Leaman*

The Mount Joy Borough Authority (the Authority) is an “operating authority” providing water and wastewater services to over 4,740 commercial, industrial and residential accounts. The population served is approximately 14,400 people from Mount Joy Borough and portions of Mount Joy, East Donegal and Rapho Townships. The Authority is responsible for providing a safe potable supply of water to meet daily demand and provide effective treatment of wastewater to comply with state and federal regulations. In addition to the treatment plants the Authority operates, maintains and upgrades the water distribution system and wastewater collection system. The service area is delineated on a map inside the back cover.

As in previous years, I want to provide our customers with information on projects in both the wastewater and water systems that have been completed, currently being constructed or are future projects. In 2015, the Authority moved forward with the replacement of Pump Station #2 which is one of the eight sewer pump stations that make up the collection system. The project started in April of 2015 and by January 2016 the new pump station was in full operation and demolition of the old station was complete. The project will be finalized this spring after paving and site grading is completed.

Improvements were also completed to the water system during 2015. The Church Street Water Booster Station went into full operation in August at which time the previous booster station was decommissioned. The new station which provides system pressure to a large section of the distribution system in the western section of Mount Joy Borough has greatly enhanced fire protection through greater pumping capacity. As part of this project a new water main was installed on Square Street which improved water quality and increased fire protection through a larger water main and additional fire hydrant installations. On August 20<sup>th</sup>, 2015 the Authority held a ribbon cutting ceremony for the new booster station. The ceremony had attendees which included the Honorable Joseph R. Pitts, U.S. House of Representative, the Honorable Ryan P. Aument, PA. State Senator and the Honorable David S. Hickernell, PA House of Representatives.

A water main replacement project was completed to a portion of Park Avenue and High Street within the Borough in 2015. This upgrade project consisted of replacing approximately 2,300 feet of cast iron water main with a 8 inch Ductile water main and the installation of additional valves. The project was completed by Authority staff which helped contain the total costs of the upgrade.

The Authority is currently in the design stage with ARRO Consulting for the new water treatment plant which has been discussed in previous annual reports. The new facility will be constructed on the Authority’s property on South Jacob Street which is the same location where the Borough’s compost operations are staged. The site will be configured to permit both operations to function. The Authority anticipates having the project ready to bid later in 2016 with construction to start the beginning of 2017. The construction will take 15 months to complete at which time the new facility will go into operation. This new facility will provide the community with benefits which will include increased capacity, the flexibility to complete improvements to the existing Carmany Road Plant and a new well which will be located in a separate aquafer from Wells 1 & 2. The Authority will continue in the future to explore for additional water sources which will provide a layer of safety to our customers in the event a water supply’s water quality was to be challenged.

Continued Page 7

The Authority recently had changes to the members of the Authority Board. At the end of 2015, after completing 7 terms of service, Mr. Ken Gainer left the Authority Board. Mr. Gainer's many years of service with the Authority started January 1966 and at the end of the first 5 year term he stepped back from the board. Then in 1987 Mr. Gainer returned to the Authority Board where he served 30 additional years. Mr. Gainer held the position of Chairman for 22 years of his 35 total years served with the Authority.

In early 2016, Mr. John Weidman resigned from the Authority Board after providing 21 years of dedicated service. Mr. Weidman started with the Authority Board in 1994 and most recently held the position of Vice-Chairman. Both Mr. Gainer and Mr. Weidman will be missed. I personally feel very fortunate to have worked under the direction of both of these men and truly valued their insight, wisdom and leadership.

At the beginning of 2016 the Authority Board and staff welcomed Mr. Richard Hamm after being appointed to the Authority as a board member. Mr. Hamm brings a wealth of knowledge and experience in emergency management obtained through his professional career as well as excellent leadership qualities.

In March of 2016 the Authority Board and staff also welcomed Mr. Chris Metzler after being appointed to the Authority as a board member. Mr. Metzler will bring experience to the Authority from his many years served on Borough Council.

The Authority board and staff never want to lose sight of what is most important, and that is you our customers. Our goal is to provide a system that will permit uninterrupted service to you and future generations. We are able to do this in an environment that is heavily regulated by State and Federal Agencies. We encourage you to contact us at any time with questions or suggestions. I can be reached at the Mount Joy Municipal Center by phone at 653-5938 or by e-mail at [john@mountjoypa.org](mailto:john@mountjoypa.org).

## *Regulations from DEP Regarding Water Main Breaks*

There is very specific protocol required by DEP (Department of Environmental Protection) when a water main break occurs. Depending on how and what type of break happens, precautionary boil notices will be put out. When you see the boil notice, there isn't necessarily a problem; we are just following DEP protocol. Please feel free to contact the Mount Joy Borough Authority at 653-5938 if you see a boil notice and have any questions.



# Water & Sewer Rate Increase Effective 5/1/2016



Mount Joy Borough Authority strives to keep water and sewer rates as low as it will allow. MJBA also continues to stay in compliance with the Chesapeake Bay Regulations which may, in future plans, raise these rates. MJBA and its staff, continue to maintain accurate service for its service district, which includes Mount Joy Borough, and portions of Mount Joy, East Donegal and Rapho Townships.

**Water: \$54.56/ first 8,000 gallons used each quarter**  
**Sewer: \$67.76/ first 8,000 gallons used each quarter**

- \$6.82 is applied to each 1,000 gallons over the 8,000 gallons for water, but only up to 30,000 gallons, then the rates change.
- \$8.47 is applied to each 1,000 gallons over the 8,000 gallons for sewer, but only up to 30,000 gallons, then the rates change.

Example of an 8,000 gallon minimum quarterly water and sewer bill:

-Prior to May 1, 2016: \$116.32      -New Rate Effective May 1, 2016: \$122.32

Example of a 12,000 gallon average quarterly water and sewer bill:

-Prior to May 1, 2016: \$174.48      -New Rate Effective May 1, 2016: \$183.48

Complete rate schedule can be found at [www.mountjoyborough.com](http://www.mountjoyborough.com).

**ALWAYS  
CALL  
BEFORE YOU  
DIG**



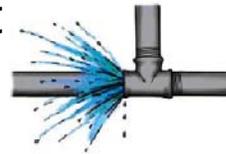
Mount Joy Borough Authority protects its utility lines by marking with paint and flags, the locations of the sewer and water lines that lie under the surface of the streets. This usually occurs when a contractor needs to dig in the street or yard to perform some type of work. It is also important for residents to locate such utility lines to help protect yourself from injury and expense. All utility markings are color coded in which for Sewers and Drain Lines are **GREEN** and Potable Water Lines are **BLUE**. Below you can view the rest of the utility color coded markings. For more information, you can visit, [call811.com](http://call811.com).

WHITE	Proposed Excavation
RED	Electric Power Lines, Cables, Conduit & Lighting Cables
PINK	Temporary Survey Markings
YELLOW	Gas, Oil, Steam, Petroleum or Gaseous Materials
BLUE	Potable Water
ORANGE	Communication, Alarm, Signal Lines, Cables, Conduit
GREEN	Sewers and Drain Lines
PURPLE	Reclaimed Water, Irrigation and Slurry Lines

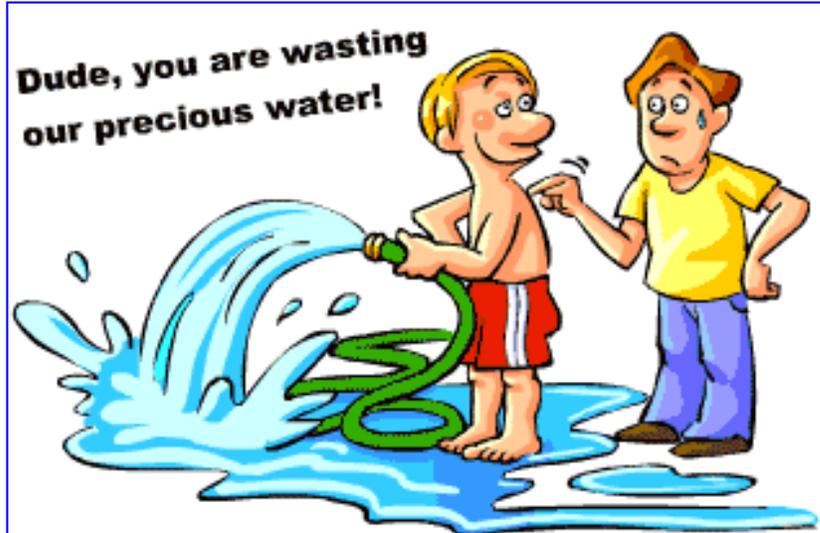
# Things You Can Do To Prevent Water Waste



• Check your toilets for leaks. (Put food coloring in your toilet tank. If, without flushing, the color begins to appear in the bowl, you have a leak that should be repaired.)



- Replace older toilets with efficient water saving toilets.
- Check all faucets, pipes, hoses and couplings for leaks inside and outside of your home. (Leaks outside the house may not seem as bad because they're not as visible. They can be just as wasteful as leaks inside.)
- Rinse your razor in the sink.
- Turn off the water after you wet your toothbrush.
- Use your automatic dishwasher and washing machine only for full loads.
- If you wash dishes by hand, don't leave the water running for rinsing.
- Don't let the faucet run while cleaning vegetables.
- Keep a bottle of drinking water in the refrigerator.
- Water your lawn only when it needs it.
- Deep-soak your lawn. Water during the cool parts of the day. (Early morning is better than dusk because it helps prevent growth of fungus.)
- Plant drought-resistant trees and plants.
- Put a layer of mulch around trees and plants. (Mulch slows evaporation of moisture and discourages weed growth.)
- Don't water the gutter.
- Use a broom, not a hose, to clean driveways and sidewalks.
- Don't run the hose while washing your car.
- Tell your children not to play with the hose and sprinklers.
- Take shorter showers.
- Install water-saving shower-



# About Lead & Copper



Over the past year, national and local news media have been covering the unfortunate circumstances resulting from the high lead results detected in the Flint Michigan water system. We believe our customers need to know that MJBA does take adequate steps in supplying a drinking water that complies with PA Dep and EPA contaminant levels.

Lead & Copper are usually not contaminants contained in the water we utilize from our wells or during the treatment process; these contaminants can come from galvanized service lines, interior piping, brass fittings installed prior to 2014 and older soldered pipe fittings. Water sitting in an unused or rarely used line creates the potential for Lead and Copper contaminants to leach into the water. Flushing the line for 30 seconds to 1 minute before consuming or cooking with the water will reduce the potential for these contaminants.

MJBA is required to sample the distribution system on a 3 year testing cycle, this year MJBA will be conducting sampling of 30 sites within the system due to our customer base. Our prior sampling plan required testing of 20 sites and no sites exceeded concentrations over the Action Levels, previous results are contained in the annual consumer confidence report which can be viewed on our website at [www.mountjoyborough.com](http://www.mountjoyborough.com). Subcategory Mount Joy Borough Authority Reports.

As always, feel free to contact us if you have any questions or concerns.

## The Current State of your Water & Wastewater Systems

What is the current water & wastewater system comprised of?

The water supply is currently made up of two wells that provide raw water from the same aquifer to the Carmany Road Treatment plant. After the water is pumped to the plant the process of filtration, softening, nitrate reduction and disinfection are completed. The next step consists of approximately 1.2 million gallons of potable water being pumped into more than 68 miles of water distribution system and three storage tanks which combined hold over 3 million gallons of water. The water in the distribution system provides service to all 4,740 connections and supplies water for fire protection to more than 490 fire hydrants. In addition, there is a water booster station located in the distribution system to increase pressure in the western part of the community.

The wastewater system consists of more than 67 miles of sewer mains with more than 1,350 manholes. Approximately 20 percent of the daily generated wastewater flows to the wastewater plant by gravity, the remaining 80 percent is conveyed to the plant by 8 different sewage pump stations located throughout the collection system. Once at the plant the approximate 900,000 gallons of wastewater is treated by grit removal, clarifier sedimentation, alum addition, final clarification, methanol addition for nitrogen reduction, filtration and the disinfection process prior to being discharged into the Little Chiques Creek. In 2015, the wastewater treatment plant produced in excess of 481 dry tons of Class A bio-solids, which area farming operations utilize to offset nutrient needs of the soils.

# A Few Things to Check...

After the winter we endured, everyone is anxious for spring to arrive. Birds chirping, flowers starting to blossom and the budding of trees are the signs that spring has sprung. As we start with the outside cleanup from this past winter, now would be a good time to also check a few items you might not have thought of yet. If you have an outside spigot coming through your wall, verify that cold weather over the winter did not damage the fixture. Connect your garden hose with a spray nozzle to the outside spigot and run some water through the hose, then while leaving the spigot valve on, listen and look for any possible water leaking inside or outside the home. Another item sometimes overlooked would be the vent cap on your sewer line. If you have a vent cap, make sure it is clear of debris around the cap, attached firmly to the pipe and that the pipe does not appear to be broken. Although these two suggestions may seem minimal, finding a possible issue early is always better than finding one after the fact.



# Work Orders

Meters are read four times per year, typically in February, May, August and November. Each quarter when this is completed there are always a few meters that did not read for various reasons. When this happens this will require a work order be generated for each of those particular properties. Once a work order is created, one of the Mount Joy Borough Authority employees will come out to look at the problem and fix it. Each employee will always have proper identification on them so you can verify that they are in fact an employee of Mount Joy Borough Authority. If you ever have any questions about this please do not hesitate to call the office at 653-5938.

**Example  
of  
Work Order**

Mount Joy Borough Authority Meter Repair Order	
CUSTOMER INFORMATION	WORK PERFORMED
Name:	
Address:	
City: Mount Joy State: PA Zip: 17552	
Account No:	
Meter No:	
MXU No:	
Previous Reading:	
<b>CURRENT PROBLEMS</b>	
	Return To:
	Date:
	Signature:
I, _____ represent and acknowledge in allowing and consenting to the entry of Mount Joy Borough Authority employees onto the property identified on this document that I am: (1) the owner of the property or a duly authorized representative of the property owner, (2) I have the authority to grant this access, and (3) I am of legal age to grant this access.	
Signature of Person Named Above	Signature Mount Joy Borough Authority Employee

# Recently Completed & Current Projects

## WATER TREATMENT & DISTRIBUTION SYSTEMS

Industrial/Public  
Water Meter  
Replacement  
(Completed)



Commercial/  
Mixed Use  
Water Meter  
Replacement  
(Current)



Replacement of Water Line  
on Marietta Avenue Bridge  
(Completed)

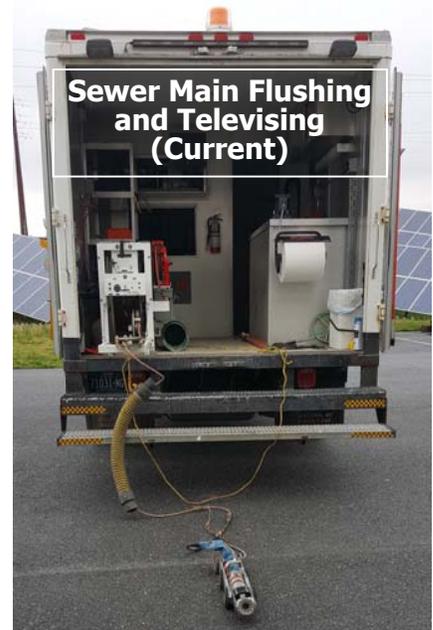
- Progress on Well #3 and new Water Plant (Current)
- Church Street Booster Station (Completed)
- Park Avenue/High Street Water Main Replacement (Completed)

## SANITARY SEWER SYSTEM & COLLECTION SYSTEM

Construction of Pump Station #2  
(Completed)



Bio-Solids  
Loading Station  
(Completed)



Sewer Main Flushing  
and Televising  
(Current)

# 2015 ANNUAL DRINKING WATER QUALITY REPORT

## MOUNT JOY BOROUGH AUTHORITY

### PWSID# 7360091

Este informe contiene información muy importante sobre su agua de beber. Tradúzcalo ó hable con alguien que lo entienda bien. (This report contains very important information about your drinking water. Translate it, or speak with someone who understands it.)

#### WATER SYSTEM INFORMATION:

This report represents the Mount Joy Borough Authority and shows our water quality and what it means. The Mount Joy Borough Authority's public water system identification number (PWSID) is 7360091. If you have any questions about this report or concerning your water utility, please contact John Leaman, Authority Manager or Joe Ardini, Operations Manager at the Mount Joy Borough Authority office. The phone number is 653-5938. We want you to be informed about your water supply, if you want to learn more, please attend any of our regularly scheduled meetings. They meeting are held on the first and third Tuesday of each month at 4:00 p.m. at the Borough Municipal Center.

#### SOURCE WATER Information:

Our water supply is from two (2) production wells that pump to the Carmany Road Water Treatment Plant. The groundwater supplied by the wells comes from what is known as the Donegal Creek Drainage Basin; both of the wells and the treatment plant are located in East Donegal Township. In addition to the Carmany Road Treatment Plant there is one (1) booster pumping station and three (3) water storage tanks. The average daily demand of the water treatment plant is 1,200,000 gallons per day.

Water Assessment of our sources was completed in 2004 by the PA Department of Environmental Protection (PADEP). The Assessment has found that our sources are potentially most susceptible to ex. road deicing materials, accidental spills along roadways and railways, leaks in underground storage tanks and agriculture/residential spills. Overall, our sources have moderate risk of significant contamination. Summary reports of the Assessment are available by writing to the Mount Joy Borough Authority at P.O. Box 25 Mount Joy Pa. 17552 and will be available on the PADEP website at [www.dep.state.pa.us](http://www.dep.state.pa.us) (Keyword: "DEP source water"). Complete reports were distributed to municipalities, water supplier, local planning agencies and PADEP offices. Copies of the complete report are available for review at the PADEP South-central Regional Office, Records Management Unit at 717-705-4700.

**Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).**

#### MONITORING YOUR WATER:

We routinely monitor for contaminants in your drinking water according to federal and state laws. The following tables show the results of our monitoring for the period of January 1 to December 31, 2015. The State allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data is from prior years in accordance with the Safe Drinking Water Act. The date has been noted on the sampling results table.

**DEFINITIONS AND ABBREVIATIONS:**

**Action Level (AL)** - The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

**Maximum Contaminant Level (MCL)** - The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

**Maximum Contaminant Level Goal (MCLG)** - The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

**Maximum Residual Disinfectant Level (MRDL)** - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

**Maximum Residual Disinfectant Level Goal (MRDLG)** - The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

**Minimum Reporting Level (MRL)** – Detections below this level do not need to be reported.

**Treatment Technique (TT)** - A required process intended to reduce the level of a contaminant in drinking water.

**Mrem/year** = millirems per year (a measure of radiation absorbed by the body)

**ppm** = parts per million, or milligrams per liter (mg/L)

**pCi/L** = picocuries per liter (a measure of radioactivity)

**ppq** = parts per quadrillion, or picograms per liter

**ppb** = parts per billion, or micrograms per liter (µg/L)

**ppt** = parts per trillion, or nanograms per liter

**DETECTED SAMPLE RESULTS:**

Inorganic Contaminants	MCL In CCR Units	MCLG	Highest Level Detected	Range of Detections	Units	Violation Y/N	Sources of Contamination
Barium (2015)	2	2	0.015	- - -	ppm	N	Erosion of natural deposits.
Nitrate	10	10	6.1	4.5 – 6.1	ppm	N	Soil runoff

**Lead and Copper Rule:**

Contaminant	Action Level (AL)	MCLG	90 <sup>th</sup> Percentile	Units	# of Sites Above AL of Total Sites	Violation Of TT Y/N	Sources of Contamination
Lead 2013	15	0	3.8	ppb	0	N	Corrosion of household
Copper 2013	1.3	1.3	0.16	ppm	0	N	Corrosion of household plumbing

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Mount Joy Borough Authority is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your drinking water, testing methods and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

## **Disinfection Byproducts, Byproduct Precursors, and Disinfectant Residuals**

<b>Contaminants</b>	<b>MCL In CCR Units</b>	<b>MCLG</b>	<b>Highest Level Detected</b>	<b>Range of Detections</b>	<b>Units</b>	<b>Violation Y/N</b>	<b>Sources of Contamination</b>
Haloacetic Acids (ppb)	60	n/a	14.2	0.0 – 14.2	ppb	N	By-product of drinking water disinfection
TTHMs [Total trihalomethanes] (ppb)	80	n/a	30.3	4.6 – 30.3	ppb	N	By-product of drinking water chlorination
Chlorine (in the distribution)	mrdl =4	mrdl =4	1.13	.79 – 1.13	ppm	N	Water additive used to control microbes

<b><i>Entry Point Disinfectant Residual</i></b>							
<b>Contaminant</b>	<b>Minimum Disinfectant Residual</b>	<b>Lowest Level Detected</b>	<b>Range of Detections</b>	<b>Units</b>	<b>Date of Lowest Detection</b>	<b>Violation Y/N</b>	<b>Sources of Contamination</b>
Chlorine (at the water plant)	0.2	0.80	0.80 – 1.64	ppm	3/12/2015	N	Water additive used to control microbes.

## **Turbidity**

<b>Contaminant</b>	<b>MCL</b>	<b>MCLG</b>	<b>Level Found</b>	<b>Sample Date</b>	<b>Range Found</b>	<b>Violation Of TT Y/N</b>	<b>Source of Contamination</b>
Turbidity	TT=1 NTU for a single measurement	0	.09 NTU	11/6/2015	.02 - .09 NTU	N	Soil runoff
	TT= at least 95% of monthly samples ≤0.3 NTU		100%	1/1/2015 - 12/31/2015	n/a	N	

*Turbidity is a measure of the cloudiness of the water (in Nephelometric Turbidity Units). We monitor it because it is a good indicator of the effectiveness of our filtration system.*

## **Total Organic Carbon**

<b><i>Total Organic Carbon (TOC)</i></b>					
<b>Contaminant</b>	<b>Range of Removal Required</b>	<b>Range of percent removal achieved</b>	<b>Number of quarters out of compliance</b>	<b>Violation Y/N</b>	<b>Sources of Contamination</b>
TOC	NA *	31% - 100%	0	N	Naturally present in the environment.

*\*Our raw water TOC levels are low enough that no removal is required, but our treatment system removes even those low levels of TOC.*

### **HEALTH EFFECTS:**

No MCL's or treatment techniques were exceeded.

### **OTHER VIOLATIONS:**

No Violations

### **EDUCATIONAL INFORMATION:**

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include:

- Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short time because of rainfall or agricultural activity. If you are caring for an infant, you should ask for advice from your health care provider.
- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water run-off, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.
- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, EPA and DEP prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA and DEP regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).

### **OTHER INFORMATION:**

Whether your tap water comes from surface or ground water, all drinking water sources are vulnerable to a variety of contaminants from a variety of activities. Preventing pollution is critical to protecting drinking water from contamination and reducing the need for costly treatment. Community involvement and individual action is the key to providing a safe supply of drinking water. Local Watershed Organizations greatly contribute to helping to clean up and preserve the water quality in our area streams.

<b>REVENUES</b>			
<b>Acct. Number</b>	<b>Description</b>		
08.364.601	Residential Sewer Service	\$	1,953,465.00
08.364.602	Commercial Sewer Service	\$	222,427.75
08.364.603	Industrial Sewer Service	\$	118,035.88
08.364.604	Public / Other Sewer Service	\$	108,297.03
08.364.605	Sewer Tapping /Connection Fees	\$	125,000.00
08.364.606	Water Meter Sales	\$	17,000.00
08.364.607	Quarterly Surcharge Fees	\$	20,000.00
08.364.608	Misc Revenue / Reimbursements	\$	5,000.00
08.364.609	Final Reading Fees	\$	3,000.00
08.364.610	Interest Income	\$	200.00
08.364.611	Lien Payoffs	\$	500.00
08.364.612	Insurance Rebate	\$	5,000.00
08.364.613	Energy Reimbursements	\$	70,000.00
<b>TOTAL REVENUES</b>		<b>\$</b>	<b>2,647,925.66</b>

<b>EXPENSES</b>			
<b>ADMINISTRATIVE</b>			
<b>Acct. Number</b>	<b>Description</b>		
08.400.782	Authority Manager Wages	\$	40,341.70
08.400.783	Operations Manager Wages	\$	37,217.12
08.400.784	Business Manager Wages	\$	25,635.30
08.400.785	Administrative Assistant	\$	21,320.00
08.400.790	Authority Board Members	\$	3,750.00
08.400.791	Pension	\$	39,321.17
08.400.792	Water/Sewer Billing	\$	10,000.00
08.400.793	Office Supplies	\$	2,000.00
08.400.794	Communication Expense	\$	3,000.00
08.400.795	Engineering	\$	30,000.00
08.400.796	Trustee	\$	3,000.00
08.400.797	Legal Expense	\$	25,000.00
08.400.798	Liability / Worker's Comp Ins.	\$	52,500.00
08.400.799	Health Insurance	\$	210,600.00
08.400.800	Building Rental / Reimbursement	\$	30,000.00
08.400.801	Auditor Expense	\$	16,500.00
08.400.802	Uniforms	\$	3,000.00
08.400.804	Payroll Taxes / Fees	\$	45,000.00
08.400.806	General Expense	\$	4,000.00
08.400.807	Dues / Memberships	\$	5,000.00
08.400.808	Training	\$	3,500.00
08.400.809	Bank Charges	\$	1,000.00
08.400.810	Advertising / Printing	\$	4,000.00
08.400.901	Repayment of Loan	\$	10,500.00
<b>SUBTOTAL</b>		<b>\$</b>	<b>626,185.30</b>

<b>COLLECTION EXPENSES</b>			
<b>Acct. Number</b>	<b>Description</b>		
08.428.710	Wages	\$	107,060.15
08.428.712	Supplies	\$	3,000.00
08.428.714	Utilities	\$	34,000.00
08.428.715	Equipment Maintenance	\$	6,000.00
08.428.716	Repairs / Maintenance	\$	40,000.00
08.428.717	Vehicle Expense	\$	10,000.00
08.428.718	General Expense	\$	1,500.00
08.428.719	Equipment Purchase / Tools	\$	2,000.00
08.428.720	Service Connections	\$	1,500.00
08.428.754	Meters	\$	75,000.00
<b>SUBTOTAL</b>		<b>\$</b>	<b>280,060.15</b>

<b>TREATMENT &amp; DISPOSAL EXPENSES</b>			
<b>Acct. Number</b>	<b>Description</b>		
08.429.730	Wages	\$	228,905.43
08.429.732	Nutrient Trading	\$	0.00
08.429.733	Testing	\$	12,000.00
08.429.734	Chemicals	\$	135,000.00
08.429.735	Supplies / Lab Supplies	\$	15,000.00
08.429.736	Utilities	\$	175,000.00
08.429.737	Equipment Purchase / Tools	\$	2,000.00
08.429.738	Plant Repairs / Maintenance	\$	75,000.00
08.429.739	Equipment Maintenance	\$	10,000.00
08.429.740	General Expense	\$	23,000.00
08.429.742	Vehicle Expense	\$	7,000.00
<b>SUBTOTAL</b>		<b>\$</b>	<b>682,905.43</b>
<b>TOTAL EXPENSES</b>		<b>\$</b>	<b>1,589,150.87</b>
DEBT SERVICE		\$	993,701.26
FUND BALANCE FOR BRIF		\$	65,073.53
<b>TOTAL BUDGET</b>		<b>\$</b>	<b>2,647,925.66</b>

Revenues collected in excess of expenses paid and certain accruals are used for specific purpose of capital improvements to the Authority's sewer system and the payment of principal and interest on the Authority's outstanding debt.

# 2016-2017 Mount Joy Borough Authority Wastewater System Budget

<b>REVENUES</b>			
<u>Acct. Number</u>	<u>Description</u>		
06.378.601	Residential Water Service	\$	1,580,426.00
06.378.602	Commercial Water Service	\$	203,047.00
06.378.603	Industrial Water Service	\$	318,192.00
06.378.604	Public / Other Water Service	\$	93,870.00
06.378.605	Water Tapping /Connection Fees	\$	0.00
06.378.606	Water Meter Sales	\$	17,000.00
06.378.607	Lease / Rent Agreements	\$	69,708.00
06.378.608	Misc. Revenue / Reimbursements	\$	5,000.00
06.378.609	Final Reading Fees	\$	3,000.00
06.378.610	Interest Income	\$	150.00
06.378.611	Lien Payoffs	\$	500.00
06.378.612	Insurance Rebates	\$	5,000.00
<b>TOTAL REVENUES</b>		<b>\$</b>	<b>2,295,893.00</b>

<b>EXPENSES</b>			
<b>ADMINISTRATIVE</b>			
<u>Acct. Number</u>	<u>Description</u>		
06.400.782	Authority Manager Wages	\$	40,341.70
06.400.783	Operations Manager Wages	\$	37,217.12
06.400.784	Business Manager Wages	\$	25,635.30
06.400.785	Administrative Assistant	\$	21,320.00
06.400.790	Authority Board Members	\$	3,750.00
06.400.791	Pension	\$	39,321.17
06.400.792	Water/Sewer Billing	\$	10,000.00
06.400.793	Office Supplies	\$	2,000.00
06.400.794	Communication Expense	\$	3,000.00
06.400.795	Engineering	\$	30,000.00
06.400.796	Trustee	\$	3,000.00
06.400.797	Legal Expense	\$	25,000.00
06.400.798	Liability / Worker's Comp Ins.	\$	52,500.00
06.400.799	Health Insurance	\$	210,600.00
06.400.800	Building Rental / Reimbursement	\$	30,000.00
06.400.801	Auditor Expense	\$	16,500.00
06.400.802	Uniforms	\$	3,000.00
06.400.804	Payroll Taxes / Fees	\$	45,000.00
06.400.806	General Expense	\$	4,000.00
06.400.807	Dues / Memberships	\$	6,500.00
06.400.808	Training	\$	3,500.00
06.400.809	Bank Charges	\$	1,000.00
06.400.810	Advertising / Printing	\$	4,000.00
<b>SUBTOTAL</b>		<b>\$</b>	<b>617,185.30</b>

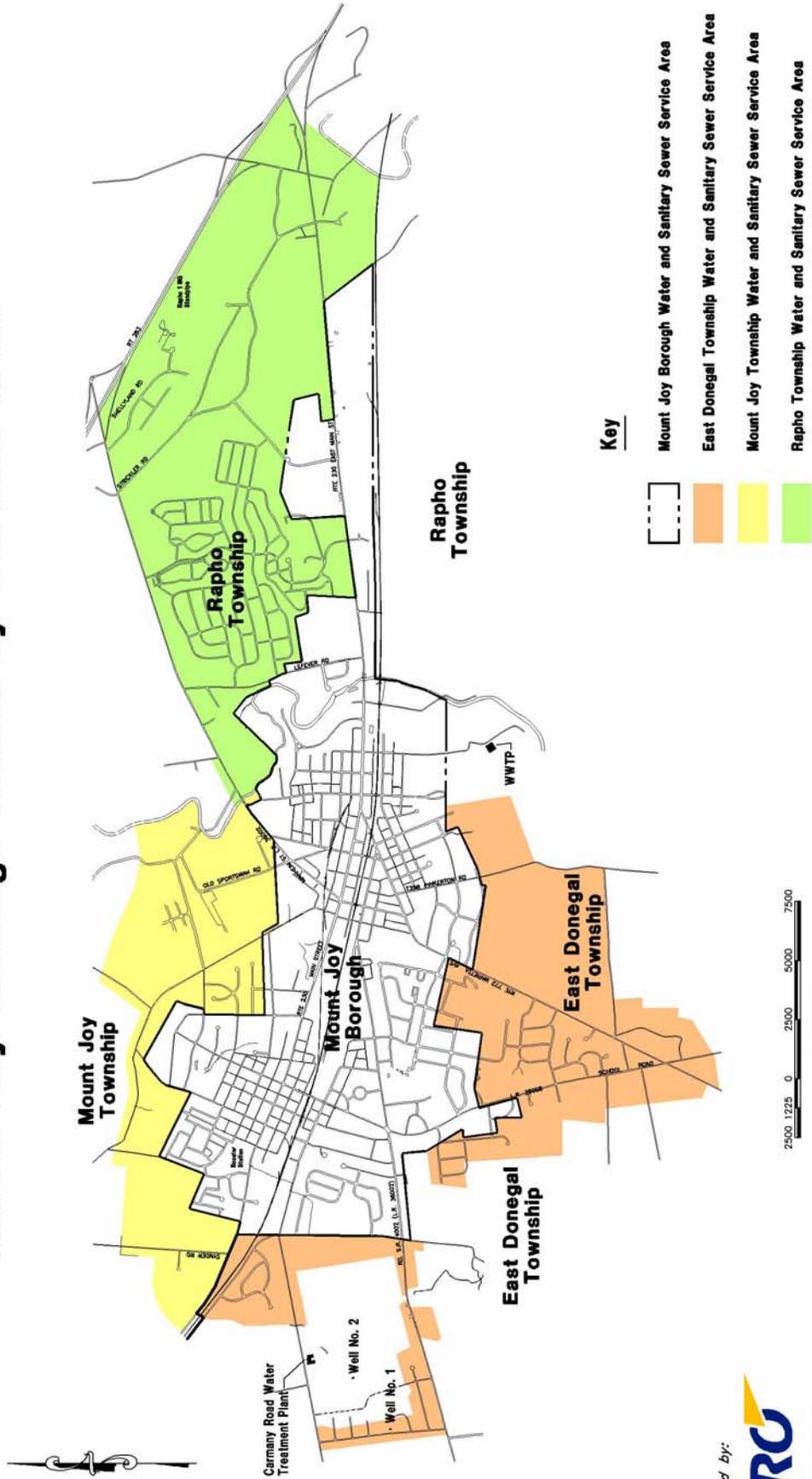
<b>TREATMENT EXPENSES</b>			
<u>Acct. Number</u>	<u>Description</u>		
06.448.702	Wages	\$	177,878.23
06.448.703	Supplies & Lab Supplies	\$	4,000.00
06.448.704	Testing	\$	6,000.00
06.448.705	Repairs/Maintenance	\$	68,000.00
06.448.706	Chemicals	\$	140,000.00
06.448.707	General Expense	\$	500.00
06.448.708	Vehicle Expense	\$	8,000.00
06.448.709	Utilities	\$	85,000.00
06.448.710	Equipment Purchases/Tools	\$	1,500.00
06.448.711	Equipment Maintenance	\$	2,000.00
<b>SUBTOTAL</b>		<b>\$</b>	<b>492,878.23</b>

<b>TRANSMISSION / DISTRIBUTION EXPENSES</b>			
<u>Acct. Number</u>	<u>Description</u>		
06.449.752	Wages	\$	107,060.15
06.449.753	Supplies	\$	3,000.00
06.449.754	Meters	\$	75,000.00
06.449.755	Fire Hydrant Expenses	\$	10,000.00
06.449.756	Repairs / Maintenance	\$	80,000.00
06.449.757	Equipment Maintenance	\$	6,000.00
06.449.758	Equipment Purchases / Tools	\$	2,000.00
06.449.759	Service Connections	\$	1,500.00
06.449.760	Vehicle Expense	\$	12,000.00
06.449.761	General Expense	\$	1,000.00
06.449.762	Utilities	\$	30,000.00
<b>SUBTOTAL</b>		<b>\$</b>	<b>327,560.15</b>
<b>TOTAL EXPENSES</b>		<b>\$</b>	<b>1,437,623.67</b>
DEBT SERVICE		\$	700,000.00
FUND BALANCE FOR BRIF		\$	158,269.34
<b>TOTAL BUDGET</b>		<b>\$</b>	<b>2,295,893.00</b>

Revenues collected in excess of expenses paid and certain accruals are used for specific purpose of capital improvements to the Authority's water system and the payment of principal and interest on the Authority's outstanding debt.

# 2016-2017 Mount Joy Borough Authority Water System Budget

# Mount Joy Borough Authority Service Area



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