

# Town of Milton

115 Federal Street  
Milton, DE 19968



[www.milton.delaware.gov](http://www.milton.delaware.gov)

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**To: Mayor and Council**

**From: Greg Wingo, P.W.S.** *Greg Wingo*

**Re: June Monthly Report**

**Date: June 26, 2019**

## Water Department

The Water Departments Daily, Weekly and Monthly tasks are as follows: Daily well checks and lab work, Daily meter readings for settlements, Daily maintenance on water meters, Daily locates for water mains and water service lines for Miss Utility of Delmarva (locate tickets), Daily inspections of all water equipment in Treatment Plants, Pump Houses and Water Towers, Weekly chlorine testing town wide, Weekly well depths taken on all wells, Weekly flushing program for all dead end water mains and blow offs, Weekly valve exercise program on water main street valves, Weekly inspection on all water department tools and equipment, Monthly task include water sampling town wide along with special water sampling town wide, Ordering of supplies and cleaning of all water department building. Other task that the Water Department Staff has worked on this month have been installing new water meters for new construction on the domestic side and installing new meters for irrigation systems, installing irrigation water meters for existing homes and on the domestic side, performing inspections on existing homes that have installed a new meter pit or are relocating the meter to the yard, performing inspections on service lines, fire hydrants, curb valves, curb boxes, water meter pits and water mains. I have been reviewing plans, helping with the development and design of future water infrastructure, working with the town engineer firm on projects, working with the water committee, meeting with residents, Council members, engineers, developers, town manager and staff regarding projects for the water system. This month the tool box talks have been focused on Team Work Building. I have started putting together my 2020 budget. I'm currently working on getting quotes and going through all of my line items

for the Water Department Budget. I have completed my FY2020 Budget and turned it over to the town manager.

- Hydrant Flushing Program: We've started flushing hydrant throughout the town and have been flushing out all blow offs. Blow offs are on a weekly program and Hydrants are getting flushed when needed to help conserve water.
- Heritage Creek Phase #5 – A.P. Croll (Contractor) has completed the storm pond project, tied in the storm pipe from the ditch area at Mariners Middle School and has a few more inlets to be installed off of Lantern Lane and the tie in on Garden Street. Croll has started the water main installation and should be completed with the water main in about two weeks. All inspections on the storm drain and the water main has passed.
- Wagamon's Water Main Ext. Project – The water main is tied in coming from West Shore Drive all the way too Federal Street water main. A blow off has been installed at the 10" water main on Federal Street in the area of the tie in on the 10" pipe that comes across from the Dr. Office lot. This blow off is for the pressurizing test that is currently going on today. I have pulled the Bac-T test on Tuesday of this week and I am waiting on the results. As long as the results come back okay I will turn the water main on next week. The contractor is working on the pressure check, sidewalks and then they will be doing the paving and marking of the street.
- New Shipbuilders Water Well – The permit for the new Well has come in and the contractor started drilling on Monday off this week. They are working 24 hour days and should be finished with the drill by the end of the day on Friday. This afternoon I had checked on the progress and they are at 385' in depth with the drilling and piping. Everything is running good and have had no issues at this time.
- Shipbuilders Treatment Facility – This project will go out to bid after all materials have been reviewed and water test results come back from drilling the new well.
- Hydrant Color Coding – We've started town wide color coating the fire hydrants. This project will continue through September.

- Replacing out Water Meters – We’ve been replacing out water meters and repairing meters as they go bad. This is an ongoing project that will continue. This project is moving along good as when we find meters that are bad we change them out. I make all repairs to the meters so we can keep an inventory. I have had meetings with Master Meter reps. to discuss some of the failing meters we have. We have more meter heads we have found this month that have gone bad and I have a call into Master Meter to see if we can get them covered under warranty. Master meter has sent us more meter heads to replace some that are still covered under warranty.
- Water Leaks – We’ve had five leaks on home owner’s side (in pits, under home on pipes, inside homes, contractors running over meter pits and valve boxes) and one on the town’s side this month. All leaks have been repaired and inspected.
- Repairs for fire hydrants – We’ve got four fire hydrants on Federal St., Front St., Chestnut St. and Atlantic Ave. that need to be changed out. Public Works along with a contractor will do the change out as weather permits in early spring. I have talked with the contractor and we have set up a few dates in July to get these completed.
- Winter Maintenance on Buildings - Public Works Staff will be performing routine maintenance on all treatment plants, pump houses, towers and shop. Maintenance of the buildings is going as planned. This project will be continued into the spring months as we will be painting in all buildings. Painting is going great in the Treatment Facility and Pump Houses. We’ve been working on a few extra things in the treatment plant and in the pump houses and will have this project completed by July. We are completed with the maintenance in the buildings and we will pick this back up in November for regular maintenance.
- Atlantic Ave and Chestnut St. Water Main Replacement Project: We are getting together all the information for the main replacement, service lines, taps, fire hydrants, meter pits, curb stop valves and street valve. This project is in the planning stage and will continue for a few months trying to get all information together. Information that has been completed is the surveys, locates, sketches and meetings to discuss the project and information sessions. All of the outside work is finished and we are working on getting all the

information on a plan. I am almost complete with the review of the design and then we will meet to discuss the funding options for this project. We are about 95% done on the planning and should be completed by July.

- Sam Lucas Water Main Project – We are gathering information and cost to run a water main to the Sam Lucas property. I am waiting for the final cost estimate for this project from the Engineer. I have finished the review and design with Ms. Rogers and the Engineers. We have completed this part of the project and we are waiting further action to move forward. I have discussed this project with the Water Committee and we will be making a recommendation at a later date. No further action has been done with this project.
- Atlantic Street Water Main Upgrade – We have gathered all the information needed to get a cost estimate and placement. We have completed this part of the project and we are waiting further action to move forward. I have talked this over with the Water Committee and we will be making a recommendation at a later date. We have received a task order from the engineer and waiting on the town manager to sign.
- Test Bench – The test bench has been ordered and has a build time of 8 – 12 weeks. They build the test benches from scratch to suit the customer's needs. I sent an email out to my sales rep to ask how the build is going and to check on the delivery date, have not received an email back yet. Just got notified by the dealer letting me know they will be shipping the test bench in two weeks then we will be setting up training. Test bench will be shipped in June and training is scheduled. We've received the test bench and have had training on it this week. There is a few issues with the test bench that I am working out with the company.
- Milton Fire Company – I have reviewed the plans, made comments, discussed with towns Engineers and Fire Company's Engineers, had several meetings with all parties involved in this project and all my comments have been addressed and changes have been made to the plans. Everything looks good on this project and I have signed off on the permit.

- Cannery Village Phase #4 – I have reviewed the plans, discussed with towns Engineers, Cannery's Engineers, had a few meetings with all parties involved and made comments on the design. Attached to my report you will see the comments that have not been addressed or changed. I have not heard anything back on this project so I have no updates at this time.

### Street Department

The Street Department's Daily, Weekly and Monthly task include Cleaning storm drain grates, Picking up trash and Sweeping the curb line on streets, Replacing and Repairing sign's and Sign post, Emptying trash receptacles, Cold patching holes in the streets, Street light repairs turned into Delmarva Power and Repairing street lights owned by the town. The Public Works Staff keeps a good look out for holes in the roadway, sign's and sign post that need to be repaired, sidewalks town owned that need to be repaired, curbing that needs repaired and any hazards in the roadway or on resident owned sidewalks. We've had several holes in the roadways that have been patched with cold patch this past month due to the weather with all the rain it will not get any better and I have discussed with my staff to keep a good eye on this as it is a safety issue and takes top priority. Below is a few projects the Streets Department is working on.

- New Sign's Town Wide – Public Works is currently working on upgraded all sign's and post town wide. This project is moving along ok and will be a continuing project.
- Storm Drain Repairs – Storm Drain repairs consist of grate adjustments, grate and frame replacements, box and pipe clean out and repairing boxes. This past month we've had to clean out eleven boxes. We are currently having to deal with leaves, dirt and trash in gutter pans and in the storm drain pipes and boxes. We have a storm drain box on Federal Ext. that we will be rebuilding, this box is a triple pan and I have ordered some materials so we can finish the repair.
- Curb Line Clean up – Public Works Staff is currently cleaning up the curb line that consist of trimming back limbs and bushes and also sweeping the curb line picking up dirt. We are trying to focus on the

gutter pans to keep them clean. Because we do not have a sweeper this is a very difficult thing to keep up with.

- Street Paving and Repairs – I'm waiting on quotes for New St, Sand St, Shipbuilders BLVD, South Spinnaker Ln and Rudder Ln. Also I am waiting on two more quotes for patches that have concrete in the roadway. I have received a few of the paving quotes and will have a meeting to discuss with Ms. Rogers to move forward. We are sending out a Bid for New Street in a few days.
- Chestnut Crossing –I am waiting to hear back from the Developer on the punch list that has been provided to them. I have talked with Mr. Grahn and I am waiting for information he is sending to me by email. I am scheduling a meeting with Mr. Grahn. Mr. Grahn has not replied to me so I have no update.
- Merriweather Sub-Division – I have had several meetings with the owner and contractors. Ms. Wilkerson has signed the quotes for the road work and concrete work and I am waiting to hear from the contractors on a schedule. The storm drainages issues they are working with DNREC on and they are moving forward meeting the standards they have set. I am waiting on the schedules from the contractors and the owners have started cleaning up the storm area. Waiting for the owner to return the permit application then the contractors will set up schedules.
- Preserve on the Broadkill Phase #2 – I have talked with the Developers and along with Mr. Collier sending them a letter we are finally moving forward. Mr. Reed has sent me a request to start the process for dedication. I am in the process to set up a walkthrough of Phase #2 to put together a punch list of items that need to be repaired or completed. I am reviewing the punch list and will be sending it to the developers after I finish my review. Punch list has been sent to the Developers, waiting on response.
- Sidewalks Town Owned – At this time Public Works has completed all the town owned sidewalks that needed repaired. I am currently working on a list for 2019. Sidewalk list for town owned sidewalks has been completed and I am scheduling repairs.

- Sidewalks town wide – I am currently inspecting and creating a list for review with Ms. Rogers and the Mayor. I have had a meeting with Ms. Rogers, Mayor and Vice Mayor and we discussed what I have completed at this time. I am looking to finish all my documentation and we should be ready to send out the letters in May. I have finished the list of sidewalks and turned over to the town manager. Per the Mayor I am to only send out 25 letters at a time. I am working on the list of address then we will start sending out the letters.
- Magnolia St. Parking Lot – We've completed the plans and recommendation for the parking lot and will be sending over for review by the Mayor and Council for February council meeting for approval to move forward. Council has requested more information for the March meeting. Council has approved us to move forward with this project at the March 18 meeting. Ms. Rogers and Myself had a meeting with M.H.S. and will be meeting with their Board members on April 18<sup>th</sup> to discuss the parking on Magnolia Street. We have scheduled a meeting with Representatives to discuss the funding. We've discussed with the Representatives and with the board for M.H.S. We are waiting on the inspection of the bulkhead to be completed and for the final review from M.H.S. with a decision. We have had a few meetings with M.H.S. and discussed a few of their ideas. We are working with the engineers to see if we can fit the last plan M.H.S. has given to us. We are still working on the Bulkhead issue trying to figure out if some of the Bulkhead needs to be replaced or if we need to do a full replacement.
- Line Painting – We are currently working on all the line painting in town. When we start back up in July I will be scheduling Federal Street and Union Street parking. As a request from the Mayor, he would like the parking spots on Union Street to add the "T" Cap on the parking spots so they match Federal Street, this will be done when we line the streets.
- Shipbuilders BLVD Speed Limit Signs (25) – The poles and signs will be installed in July.
- Cannery Village Speed Limit Signs (15) – Signs have been ordered and will be installed when they come in. Signs have come in and I have put on the schedule for the first of July.

- Village Center BLVD Curb Painting & No Parking Signs – As weather allows I will have the curb line painted and no parking signs installed. I had a meeting with Dogfish maintenance supervisor and Mr. Carter to explain that this is town owned and what my staff will be doing to the curbs and installing the signs. Curb painting has been completed and signs will be installed in July.
- Tilney, Reed & Clifton Speed Limit Signs (15) – Signs have been ordered and when they come in I will have them installed. Signs have come in and are on the schedule for next week.
- Chandler Street No Parking – The no parking signs have come in and I have this work scheduled. This is completed.
- New Snow Plow – Plow for the new truck has been ordered and is waiting for installation. Plow has been installed.
- Cannery Village Phase #4 – I have reviewed the plans and have made comments regarding the streets and sidewalks. I have not heard anything back so no update.
- Front Street Road, Curbing, Drainage & ADA Ramps Project – We've been working with the Engineers from the Fire Company Project to design and put on plans for upgrading Front Street. This project is being reviewed by the Towns Engineers so we can finalize the design and set up a meeting with Representatives to discuss the funding. I am waiting for a final plan set from the town's engineer.

### **Parks Department**

Public Works has been very busy cleaning up all the parks. Daily, Weekly and Monthly task include walking the parks picking up trash, checking all electric outlets, checking breaker boxes, performing playground and equipment inspections, trimming limbs, pulling weeds in flower beds,



planting, inspecting plaques and checking pots out. All equipment used for parks has been serviced and all repairs have been completed.

- **Playground Equipment** – Public Works has put all equipment together and is currently installing the playground equipment. We have two pieces of equipment to install in Memorial Park. With all the rain we have had and the cold this has not been an easy task to get done. This will be completed before spring of 2019. All of the exercise equipment has been installed and playground equipment has been installed. This has been completed.
- **Gazebo:** We've had to replace no receptacle and no covers. Public Works checks the electric in the Gazebo and all around the park at least one time a week. As of today we've corrected all the issues in the parks. Gazebo has been repaired and stained.
- **Rails to Trails:** All of the plans have been completed with DeIDOT and they are hoping to put out for bid early spring with construction to start in the Fall of 2019. The light plan and landscaping plan has been reviewed and sent to Mayor and Council. We are working with Delaware Forestry for the plantings and they have covered this cost in a grant. I am currently looking at other light design cost for Mayor and Council. I am working with Delaware Forestry on the locations for the new plantings.
- **Safety Playground Mulch** – Waiting to receive the safety mulch. When it comes in I will schedule the spreading.
- **Mulching Town Wide** – Mulching will start in a few weeks and continue into July. Currently Public Works Staff has been working on Memorial Park finishing the mulching. When this is finished they will be going to Mill Park. Memorial Park, Phase #1 Rails to Trails and Mill Park has been completed.
- **Benches** – We are pressure washing the wooden benches, replacing wood and staining.

Other Jobs; safety meeting, set up and take down meeting, performing maintenance on all town owned buildings, cleaning shop area up, hauling brush, concrete and asphalt out of shop, inspections on sidewalks, water turn offs for nonpayment, reading meters for billing, pressure washing town hall, working with contractor for the repair of town hall steps, etc..



Annual Drinking Water Quality Report for 2018  
Town of Milton  
115 Federal Street  
Milton, DE 19968  
PWS ID# DE0000629  
June 4, 2019

We're pleased to present to you this year's Annual Water Quality Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.

**Our water source is groundwater. Our wells draw from the Columbia and Chesapeake Aquifers.** The Town operates and maintains four groundwater wells (2 in the Columbia and 2 in the Chesapeake). This report contains very important information about your drinking water.

The Department of Natural Resources and Environmental Control in conjunction with the Division of Public Health has conducted a source water assessment. Please contact the person listed below regarding its availability and how to obtain a copy. You may also review this at <http://dejawaresourcewater.org/assessments/>. It provides information such as potential sources of contamination. Overall, Milton Water has a very high susceptibility to nutrients: a high susceptibility to pathogens, pesticides, petroleum hydrocarbons PCBs, and other organic compounds and metals: and the system exceeds standards for other inorganic compounds.

The Town of Milton is pleased to be your water provider and the Town Council welcomes your input on how we can provide the safest drinking water supply to our citizens. The town council meets at the **Milton Library on Union Street, Milton, DE on the first Monday of each month at 6:30 p.m.** and is willing to accommodate your comments. Should you have any additional questions or comments regarding this report or your water quality, please contact **Gregory Wingo at 302-684-4110.**

Public Health, Office of Drinking Water and the Milton Water Department routinely monitors for constituents in your drinking water according to Federal and State laws. This table shows the results of our monitoring for the period of January 1<sup>st</sup> to December 31<sup>st</sup>, 2018.

As water travels over the land or underground, it can pick up substances or contaminants such as microbes, inorganic and organic chemicals, and radioactive substances. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

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

**Non-Detects (ND)** - laboratory analysis indicates that the constituent is not present.

**Parts per million (ppm) or Milligrams per liter (mg/l)** - one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Picocuries per liter (pCi/L) - Picocuries per liter is a measure of the radioactivity in water.

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

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.

Maximum Contaminant Level (MCL) - The “Maximum Allowed” (MCL) is 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 “Goal” (MCLG) is 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.

TEST RESULTS						
Contaminant	Violation Y/N	Level Detected	Unit Measurement	MCLG/MRDLG	MCL/MRDL	Likely Source of Contamination
<b>Disinfectants and Disinfection By-Products</b>						
Chlorine (cl2)	N	0.5-0.6	ppm			
TTHM Total trihalomethanes	N	7.23* (2016)	ppb	n/a	80	By-product of drinking water chlorination
HAA5's Haloacetic Acids	N	6.90-9.83	ppb	n/a	60	By-product of drinking water disinfection
<b>Radioactive Contaminants</b>						
Combined radium	N	1.7* (2017)	pCi/l	0	5	Erosion of natural deposits
Alpha emitters	N	3.5* (2017)	pCi/l	0	15	Erosion of natural deposits
<b>Inorganic Contaminants</b>						
Barium	N	0.115-0.119* (2017)	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Fluoride	N	0.3-0.78	ppm	0.8-1.2	2	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate (as Nitrogen)	N	3.89-5.04	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits

Selenium	N	0.87-0.98* (2017)	ppb	50	50	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
<b>Synthetic Organic Contaminants including Pesticides and Herbicides</b>						
Di(2-ethylhexyl) phthalate	N	0.18* (2017)	ppb	0	6	Discharge from rubber and chemical factories
Contaminant	Violation Y/N	90 <sup>th</sup> percentile	Unit of measurement	MCLG	AL	Likely source of contamination
<b>Lead and Copper</b>						
Copper (0 samples exceeded the AL for Copper)	N	0.651	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (0 samples exceeded the AL for Lead)	N	6.15	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Contaminant	Level detected	Average	Unit of measurement	MCLG		
<b>Secondary Standards</b>						
Sodium (Na)	53.3		ppm	0		
Alkalinity (Alk)	100		ppm	N/A		
Hardness		22.2	ppm	N/A		
pH	6.9-7.2	7.05	ppm	6.5 – 8.5		
Chloride (Cl)	21-23.79	22.58	ppm	250		
Sulfate	10.44-13.24	12	ppm	250		

\* 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, though representative, are more than one year old.

**All other contaminants were ND in compliance with the Safe Drinking Water Act.**

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 periods of time because of rainfall or agricultural activity. If you are caring for an infant you should ask advice from your health care provider.

Lead: 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. The Town of Milton 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 water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline (1-800-426-4791 or at [www.epa.gov/safewater/lead](http://www.epa.gov/safewater/lead)).

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. In order to insure tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration regulations established limits for contaminants in bottled water, which must provide the same protection for public health.

Contaminants that may be present in source water include:

- 1) Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operation, and wildlife.
- 2) Inorganic contaminants, such as salts and metals can be naturally [occurring or result from urban storm water runoff, industrial or domestic wastewater discharge, oil and gas production, mining, or farming.
- 3) Pesticides and herbicides, which may come from a variety of sources, such as agricultural, urban storm water runoff, and residential uses.
- 4) Organic chemical contaminants, including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.
- 5) Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

All 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 the 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 at 1-800-426-4791.

MCL's are set at very stringent levels. To understand the possible health effects described for many regulated constituents, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

Thank you for allowing us to continue providing your family with clean, quality water this year. In order to maintain a safe and dependable water supply we sometimes need to make improvements that will benefit all of our customers. These improvements are sometimes reflected as rate structure adjustments. Thank you for understanding.

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 microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

Please call our office if you have questions.