



City Manager's Report: June 18, 2021

COVID-19 UPDATES

- City Hall is currently open to the public Monday through Friday, 9:00 a.m. to 4:00 p.m. The Customer Service line is answered Monday through Friday, 8:00 a.m. to 5:00 p.m.
- Please see the Continuity of Operations document, as of February 1, 2021, available: [here](#).
- Please see the COVID-19 Preparedness and Response Plan, as of May 20, 2021 available: [here](#).

OPERATIONS

- The City was notified that our confirmed American Rescue Plan Act allocation is \$885,287. Staff will be requesting funding as soon as allowed and will bring a proposal to City Council on use of funds.
- Use of Public Property:
 - July 4, 2021- Independence Day Celebration - Parade, contingent on adhering to COVID requirements. The following roads will be closed approximately 6pm – 8pm: Barnes, High School to Ash, Ash, Barnes to Jefferson, Ash to Maple, Maple, Jefferson to Rogers, Rogers, Maple to South, South, Rogers to Holt, and Holt, South to High School. Map will be posted on Facebook on July 1.
- The 2020 Water Quality Report has been reviewed by EGLE and is now available on the City's website at: mason.mi.us/WaterQualityReport and attached this report. The EGLE and EPA require us to test our drinking water on a regular basis to ensure its safety. We met all the monitoring and reporting requirements for 2020. We had only one water service test high in which we believe it was a result of the line being disturbed; this line was replaced with copper from the water main to the water meter.
- Mason PD has migrated to eCitation, an expansion of eCrash (already used). eCitation allows officers to generate and issue tickets electronically, rather than using handwritten paper tickets. The program is operational in (2) marked patrol vehicles and will be added to all (4) marked patrol vehicles as soon as able. In addition to meeting legal requirements, it will improve efficiency, reduce person-to-person contacts, and increase QC and readability for citizens and criminal justice personnel.
- Clerk Sarah Jarvis completed the Michigan Association of Municipal Clerk's three-year institute and will be applying for her Michigan Professional Municipal Clerk Certification and her Certified Municipal Clerk Certification.
- Public Works filled in the wide cracks with asphalt as a temporary maintenance fix at the tennis/pickle ball courts at Hayes Park and eliminated the potential threat of an injury of those that benefit the use of the courts.

Staffing Updates:

- New Hire: Emily Rector was hired as a Seasonal-Temporary Laborer in Public Works and started June 8, 2021. Tyler Cataline was hired as a Seasonal-Temporary Laborer in Public Works and started on June 16, 2021.
- Open Positions: Full-time Police Officer- Contingent offer has been made and the background check and pre-employment screenings are being conducted.

LARGE CITY PROJECTS

FY 2019-2020			
Project	Project Name/Description	Status	Completed
UTILITIES: SANITARY SEWER, STORM WATER, AND WATER DISTRIBUTION (U)			
2017-U11	Turbine Aeration Blower at POTW	Installation is complete; schedule start up expected the week of June 28.	

FY 2020-2021

Project	Project Name/Description	Status	Completed	
STREETS, SIDEWALKS, SIGNALS(S)				
2017-S17	Center Street-Walnut St to N. Bush St	Completed	October	
2017-S18	Brookdale St- W. South St to Willow St	Completed	August	
2017-S19	Cherry- McRoberts St to Henderson St	Completed	October	
2020-U2				
2017-S21	Eaton Drive- All	Completed	June	
2017-S22	W. Elm St- McRoberts St to Lansing St	Completed	October	
2019-S9a	E. Maple– S. Jefferson to S. Barnes	Completed	June	
2019-S9b	Signal at E. Maple & S. Jefferson	DDA provided recommendation, staff is seeking quotes prior to bringing forward to Council		
2019-S5a	Henderson Street– Entire length	Completed	October	
2019-S5b	Alley- W. Columbia to W. Sycamore	Completed	October	
2018-S1	Temple Street Pedestrian Crossing	In progress		
UTILITIES: SANITARY SEWER, STORM WATER, AND WATER DISTRIBUTION (U)				
2017-U8	Replace PLCs on 3 Wells	Anticipated start date Spring of 2021		
2017-U23	Well No. 6 Rebuild	In progress		
2017-U25	Gutters for Water Treatment Plant	Completed	April	
2018-U32	South Water Tower Repair	Anticipated work to begin fall 2021.		
2017-U33	Well No. 4 Rebuild	In progress		
2019-U1	Wastewater Treatment Plant - Design	Staff is drafting Request for Proposal for work.		
2019-U4	Study - Wastewater Solids System	Completed	March	
PARKS/ CEMETERY/ FORESTRY/ NONMOTORIZED (P)				
2017-P8	Laylin Park - Phase II	Anticipated start date late summer of 2021		
2020-P2	Columbia St Bridge Ped. Crossing Design	Staff finalizing design		
2020-P5	Jefferson St – RR Pedestrian Crossing	Railroad Company confirming rail work date, start Summer 2021		
2020-P6	Lee Austin Park- Plan/Design	Wolverine selected to complete, timeline being finalized		
2020-P7	Non- Motorized Prog: NE Quadrant	Completed	October	
2020-P8	Rayner Park- Master Park Plan	In progress, anticipated completion Fall/Winter		
MOTOR VEHICLE POOL (MVP)				
2017-MVP15	Vehicle No. 16 Replacement	Facilities, Code Enforcement	Vehicle has been ordered, expected delivery is July due to a parts shortage at factory.	
2017-MVP16	Mower No. 77 Replacement	Cemetery, Parks, Forestry	Delivered	March
2017-MVP17	Vehicle No. 85 Replacement	Police	Vehicle has been delivered, waiting for equipment and decals to be outfitted.	
2017-MVP20	Vehicle No. 18 Replacement	Cemetery, Parks, Forestry	Vehicle has been ordered, expected delivery is July due to a parts shortage at factory.	
2017-MVP21	Mower No. 66 Replacement	Cemetery, Parks, Forestry	Delivered	March
2017-MVP29	Mower No. 69 Replacement	Cemetery, Parks, Forestry	Delivered	March
2018-MVP1	Vehicle No. 22 Replacement	Cemetery, Parks, Forestry	Vehicle has been ordered, expected delivery is July due to a parts shortage at factory.	

BUILDING, PROPERTY, EQUIPMENT (B)			
2017-B12	IT New Servers	Completed	May
2017-B17	Fire SCBA units	Firefighters have been “fit tested”; order has been placed; expected late June.	
2018-B14	Fire Rehab 815 Replacement	Vehicle has been ordered; anticipated receipt early 2022.	
2018-B22	Police Body Worn Cameras	Complete	March
2018-B23	Master Plan/Ordinance Update	Interviews were conducted June 10. A recommendation to City Council for final selection is expected at first meeting in July.	
2019-B16b	Election Tabulator Machines	Completed	October
2019-B2a	City Hall - Phase I Design and Security	Security complete- work space evaluation consultant selected.	
2020-B4a	DPW- Design	Staff is working on refining design.	

ACTIVE PROJECTS STATUS UPDATES (PROJECTS NOT COORDINATED BY THE CITY)

Project Name	Status
BUILDING PERMITS – COMMERCIAL PROJECTS (listed only once when active)	
710 N. Cedar - Hutson’s (formerly D & G Equipment ISSUED	Building permit is active for replacement non-lit wall sign.



2020 WATER QUALITY REPORT

CITY OF MASON

This report covers the drinking water quality for the City of Mason for the 2020 calendar year. This information is a snapshot of the quality of the water we provided to you in 2020. Included are details about where your water comes from, what it contains, and how it compares to United States Environmental Protection Agency (EPA) and state standards.

Your water comes from seven groundwater wells, each well averaging from 215 to 400 feet in depth. The State of Michigan Department of Environment Great Lakes and Energy (EGLE) performed an assessment of our source water in 2007 to determine the susceptibility or the relative potential of contamination. The susceptibility rating is on a seven-tiered scale from "very-low" to "very-high" based on geologic sensitivity, well construction, and water chemistry and contamination sources. The susceptibility of our source water is moderately high as of that evaluation. There are no significant sources of contamination in our water supply. We are making efforts to protect our sources by updating our well head protection plan in 2021.

If you would like to know more about the report, please contact Customer Service at 517.676.9155.

- **Contaminants and their presence in water:** 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 **EPA's Safe Drinking Water Hotline (800-426-4791)**.
- **Vulnerability of sub-populations:** 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 systems 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/Centers for Disease Control and Prevention (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)**.
- **Sources of drinking water:** The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. Our water comes from 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:**

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 runoff, 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 agricultural 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 Stormwater runoff, and septic systems.

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

Water Quality Data

The provided table lists all the drinking water contaminants that we detected during the 2021 calendar year. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done January 1 – December 31, 2019. The EGLE allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. All of the data is representative of the water quality, but some are more than one year old.

Terms and abbreviations used below:

- **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):** means 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):** means 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.
- **N/A:** not applicable
- **ppb:** parts per billion or micrograms per liter
- **ppm:** parts per million or milligrams per liter
- **ppt:** parts per trillion or nanogram per liter
- **pCi/l:** picocuries per liter (a measure of radioactivity).
- **AI:** Action Level which is the concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

Lead Service Line Transparency

Number of lead service Lines	Number of service lines of unknown material	Total number of service lines
587	1415	2904

On December 23, 2020, the City of Mason did an evaluation of potential lead lines within the City of Mason. Lead is defined to also include galvanized lines that were once connected to lead. The information above is based on data we have on timing of housing construction and available records. The City has not visually confirmed all lead service lines at this point.

Results

Regulated Contaminant	MCL	MCLG	Level Detected	Range	Year Sampled	Violation Yes / No	Typical Source of Contaminant
Fluoride (ppm)	4	4	.65	.61 - .69	2020	No	Erosion of natural deposits discharge from fertilizer & aluminum factories
TTHM - Total Trihalomethanes (ppb)	80	N/A	27	N/A	2020	No	By-product of drinking water disinfection
HAA5 Haloacetic Acids (ppb)	60	N/A	6	N/A	2020	No	By-product of drinking water disinfection
Radioactive Contaminant	MCL	MCLG	Level Detected	Range	Year Sampled	Violation Yes/No	Typical Source of Contaminant
Alpha Emitters (pCi/L)	15	0	2.5	2.5	2018	No	Erosion of natural deposits
Combined Radium (pCi/L)	5	0	1.96	2.1	2020	No	Erosion of natural deposits
Chlorine (ppm)	MRDL	MRDLG	1.13	1.09-1.16	2020	No	Water additive used to control microbes
	4	4					
Contaminant Subject to AL	Action Level	MCLG	90% of Samples ≤ This Level		Year Sampled	Samples Above AL	Typical Source of Contaminant
Lead (ppb) *	15	0	1.5		2020	1	Corrosion of household plumbing systems; erosion of natural deposits
Copper (ppm)**	1.3	1.3	1.05		2020	0	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Special Monitoring and Unregulated Contaminant ***			Level Detected		Year Sampled	Comments	
Sodium (ppm)			12.7		2020	Typical source is erosion of natural deposits	
Hardness (ppm)			351		2020	Typical source is erosion of natural deposits	
Chloride (ppm)			16.3		2020	Typical source is erosion of natural deposits	
Sulfate (ppm)			44.8		2020	Typical source is erosion of natural deposits	
Emerging Contaminant ****	LHA		Level Detected	Range	Year Sampled	Violation Yes / No	Typical Source of Contaminant
PER-Polyfluoroalkyl Substances (ppt) *****	70		0	0	2020	No	Industrial and consumer product runoff

The City of Mason is responsible for providing safe, high quality drinking water to its residents but cannot control the verity of materials used in plumbing components inside homes. Elevated lead and copper levels are sometimes found in some residences due to corrosion of household plumbing pipes and fixtures made of, or containing, lead and copper.

***Information about 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 City of Mason 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 two 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. City residents concerned about lead levels in their drinking water can be added to the sampling pool for this next round of testing by calling 517.676.9155. There is no cost to participate in this sampling. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline at 800.426.4791 or at <http://water.epa.gov/drink/info/lead/index.cfm>.

****Information about Copper:** As required by Federal and State laws and regulations, regular testing is conducted on various aspects of the water system. Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctor. Testing completed as recently as 2014 determined that copper was not detected in the City's wells, which supply the City's water. The City's recent testing in homes for copper, conducted in August and September of 2020, found four of twenty-two samples exceeded the EPA's maximum contaminant level goal (MCLG) for copper. In accordance with Federal and State laws and regulations, those four residents were notified of their results. They were also given a fact sheet on how to flush their pipes before using the water for cooking and drinking if the water has been sitting in their pipes for an extended period of time.

The EGLE has advised the City of Mason is not in violation of the Michigan Safe Drinking Water Act, but the exceedance requires more homes to be tested in the next round of sampling to take place in the first six months of 2020. City residents concerned about copper levels in their drinking water can be added to the sampling pool for this next round of testing by calling 517.676.9155. There is no cost to participate in this sampling. In 2020 the City began a corrosion study to investigate for adjustments in the current corrosion control program.

The City recommends that residents, especially with copper plumbing, follow published guidance about flushing pipes before using tap water for drinking, cooking, rinsing food, brushing teeth, and preparing powdered baby formula. To flush your pipes, turn on any faucet and let it run cold for about two minutes. Taking a shower, doing a load of laundry, or running the dishwasher will also accomplish the goal of flushing your pipes.

The Michigan Department of Health and Human Services (MDHHS) recommends that homes with a formula-fed infant use cold, flushed water for drinking and making powdered infant formula. Formula-fed infants under twelve months old get their needed copper from the formula itself—and if tap water containing copper is used to prepare the powdered formula, the infant can end up with too much copper in their body. This may cause stomach upset or other health issues. If your infant is experiencing persistent stomach upset symptoms, consult your healthcare provider. People with disorders of copper metabolism (for example: Wilson's Disease) should continue to avoid potential sources of copper, including drinking water from the City of Mason.

If you have questions about copper exposure and your health, call the Ingham County Health Department at 517.887.4312 or the Michigan Department of Health and Human Services (MDHHS) at 844.934.1315. If you choose to purchase a water filter, MDHHS recommends filters that are tested and certified to NSF/ANSI Standard 53 for copper reduction. Be sure to follow manufacturer's instructions for set-up and maintenance.

*****Unregulated contaminants** are those for which EPA has not established drinking water standards. Monitoring helps EPA to determine where certain contaminants occur and whether it needs to regulate those contaminants.

******Per - and Polyfluoroalkyl Substances:** (PFAS), sometimes called PFC'S are a group of chemicals that are resistant to heat, water, and oil. PFAS have been classified by the EPA as an emerging contaminant on the landscape. For decades, they have been used in many industrial applications and consumer products such as carpeting, waterproof clothing, upholstery food wrappings, fire-fighting foams, and metal plating. They are still in use today. PFAS have been found at low

levels both in the environment and in blood samples from the general U.S. population.

These chemicals are persistent, which means they do not break down in the environment. They also bio-accumulate, meaning the amount builds up over time in the blood and organs. Although our understanding of these emerging contaminants is constantly evolving, elevated levels of PFAS have the potential to cause increased cholesterol, changes in the body's hormones and immune system, decreased fertility, and increased risk of certain cancers. Links to these health effects in humans are supported by epidemiologic studies and by laboratory studies in animal models.

If any resident has additional questions regarding this issue, the State of Michigan Environmental Assistance Center can be contacted at 800-662-9278. Representatives may be reached to assist your questions Monday through Friday, 8:00 AM to 4:30 PM. The State has created a website where you can find information about PFAS contamination and efforts to address it in Michigan. The site will be updated as more information becomes available. The website address is: <http://michigan.gov/pfasresponse>.

Conclusion

The EGLE and EPA require us to test our water on a regular basis to ensure its safety. We met all the monitoring and reporting requirements for 2020.

We will update this report annually and will keep you informed of any problems that may occur throughout the year, as they happen. Copies are available at Mason City Hall at 201 West Ash Street and on the City of Mason website (www.mason.mi.us).

For more information about your water, or the contents of this report, contact , Customer Service 517.676.9155 For more information about safe drinking water, visit the U.S. Environmental Protection Agency at www.epa.gov/safewater/.

Revised 4.7.20 (Public Works)