

SOUTHFIELD

The Official City of Southfield Newsletter

Living

City of Southfield COVID-19 State of Emergency Update: *Important Information You Need to Know!*

2020 Census: *Everyone Counts in Southfield!*

Water Quality Report

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Southfield Living is published biannually for all Southfield residents and businesses by the City’s Community Relations Department. Please send your comments or suggestions for the City newsletter portion to: The Editor, Southfield Living, Community Relations Department, City of Southfield, 26000 Evergreen Road, P.O. Box 2055, Southfield, MI 48037-2055, or via e-mail at: mmanion@cityofsouthfield.com.

The City of Southfield’s intent is to operate its programs and services, so when viewed in their entirety, they are readily accessible to and usable by individuals with a disability. To ensure equally-effective communication, upon request, the City will provide auxiliary aids and services, such as sign language interpreters, Braille-translated material, large-print documents, etc. Advance notice is required. To make arrangements, contact the City Clerk’s Office at 248/796-5150.

SOUTHFIELD LIVING EDITOR: Michael Manion

COVER PHOTO: Southfield Municipal Campus by Michael Manion



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City of Southfield COVID-19 State of Emergency Update

Mayor Ken Siver declared a State of Emergency on March 13, 2020 in the City of Southfield in an effort to slow the spread of the COVID-19 coronavirus. All city events and activities have been postponed or cancelled until at least April 30, 2020 or further notice.

City Hall (including the Library and P&R Building) and the 46th District Court are closed to the public; however, all essential public safety and public works services including garbage, recycling and yard waste pickup continue to function as normal. Residents can still conduct most city business online, via phone and through the City's drop box.

The City of Southfield launched the interactive Southfield Coronavirus Hub at <https://covid19-southfield.hub.arcgis.com> to provide the community with the latest information, maps and resources about the Coronavirus (COVID-19) outbreak in Southfield. The Hub can also be accessed directly from the City's website at www.cityofsouthfield.com for frequent updates. The City's Emergency Operations Center (EOC) has been activated and City Hall will operate during minimum core hours Monday - Thursday, 10 a.m. - 3 p.m.

With the alarming rise in positive COVID-19 cases throughout Southfield, city leaders strongly remind and request residents to stay at home as required by law, and to practice all other recommended protocols and guidelines to help flatten the curve.



"It is vitally important that the community continues to stay safe at home unless it is absolutely necessary to go out for food, medicine or for work in an approved essential capacity," stated Mayor Ken Siver. "It's crucial for residents to remember that we must all observe the law and follow other requirements such as maintaining appropriate social distancing of at least six feet apart when out. We can and will get through this, but we must all stay Southfield Strong at this time."

City Council and several other city board and commission meetings are being conducted via teleconference. Residents can listen to scheduled council meeting live online on City Cable 15 and through the City's website. Residents may also call in at (248) 796-5152 to make public comment at the City Council Meetings.

SOUTHFIELD COVID-19 OPERATIONS SNAPSHOT

- Police, Fire, EMS and 911 Dispatch continue to fully function as normal.
- There will be no interruption in garbage, recycling or yard waste collection (*with the exception of Simple Recycling clothing and textile program*).
- All City facilities (including City Hall, 46th District Court, Southfield Public Library, Parks & Recreation Building, Sports Arena) remain closed to the public until further notice.
- City Hall continues to operate during minimum core hours Monday - Thursday from 10 a.m. - 3 p.m.
- Residents can still conduct most city business online at www.cityofsouthfield.com, through the City's drop box 24/7 as well as via phone during City Hall core hours.
- All City parks, nature preserves and trails remain open to the public; however, all playground equipment is closed.

Southfield residents are protected and served by unparalleled police, fire and EMS service with the resources and trained professionals needed to keep the community safe. However, each resident must also do their part to help stop the spread by staying safely at home and to practice appropriate social distancing when you must go out. **Precautions today will help to prevent new infections tomorrow!**

"The Southfield Fire Department provides the highest quality life-safety and emergency services available thanks to the commitment and devotion to duty of our members," added Southfield Fire Chief Johnny Menifee. "The City has been proactive with the purchase of new state-of-the-art fire equipment and other resources, including a new ladder fire truck, four new fire engines and five new EMS trucks that will be ready in a few weeks. These invaluable new resources will further enable our department to provide an even greater level of service to the residents and visitors of Southfield and Lathrup Village."

Residents are also reminded that violation of the governor's stay-at-home order could result in up to a \$1,000 civil fine, a \$500 criminal fine and 90 days in jail. Law enforcement, prosecutors and health departments are empowered to work together to enforce the order as necessary.

"We are in a real battle with COVID-19 and we need to enlist every resident to do their part to help us fight this virus," stated Southfield Chief of Police Elvin Barren. "We all must do that by following the law until the governor's order is lifted. It is imperative to stay safely at home and to not gather in groups of any size. I also remind the community that this is required by law in order to keep everyone safe and that violators could receive a ticket or possibly even jail time. We must all do our part to flatten the curve and reduce infections."

City of Southfield Preventative Measures

The City of Southfield's first priority is always the health, safety and welfare of our residents, businesses, visitors and employees. The City of Southfield remains committed to keeping our community safe and informed while working closely with local, county, state, and federal partners to help prevent the spread of COVID-19 coronavirus.

Visit the City's website at www.cityofsouthfield.com

for regular updates. Additional resources include the CDC's website at <https://www.cdc.gov/coronavirus/2019-ncov/index.html> or the State of Michigan's coronavirus web page at www.michigan.gov/coronavirus. The Michigan Department of Health and Human Services (MDHHS) also launched a statewide hotline to respond to health-related questions about coronavirus (COVID-19) that will be open seven days a week from 8 a.m. to 5 p.m. at 1-888-535-6136.

3 Things That YOU Can Do WHILE STAYING HOME & HELPING TO STOP THE SPREAD!



STAY ACTIVE: *Get outside and get some fresh air and exercise!* Just because we need to stay at home doesn't mean that you can't get outside in your yard, neighborhood or local park -- **just practice safe and appropriate social distancing (at least 6 feet from anyone)** when you do!



PICKUP SOME LITTER *and Keep Southfield Beautiful!* While you're out walking, jogging or biking -- consider stopping to pick up any litter you might see along the way! Of course, you'll want **to be prepared with bags for disposal and proper protective gear** such as disposable gloves. Your neighbors and the environment will thank you!



ENTER YOUR 3 BEST SHOTS in the SOUTHFIELD PHOTO PRIZE! Take your phone or camera with you when you walk and get some great shots to enter in the 4th annual Southfield Photo Prize! The City is currently seeking entries for the competition and public art exhibition which showcases the natural and architectural beauty throughout Southfield. **E-mail submissions as an attachment to PhotoContest@cityofsouthfield.com** by Friday, May 22, 2020 and visit www.cityofsouthfield.com for full contest criteria.



Emergency Awareness Alert for Adults ages 60 and over



Early research shows that older adults are twice as likely to have serious complications if they get the coronavirus, also called COVID-19 illness. Experts at the CDC are recommending stronger precautions for those ages 60 and older. Learn what you need to know to safeguard older adults from COVID-19!

Older adults and people who have severe underlying medical conditions like heart or lung disease or diabetes seem to be at higher risk for developing more serious complications from COVID-19

IMPORTANT INFO TO KNOW!

- Watch for symptoms and emergency warning signs.
- Pay attention for potential COVID-19 symptoms
- COVID-19 symptoms include
- Fever
- Cough and shortness of breath

SEEK EMERGENCY HELP IMMEDIATELY IF YOU:

- Have difficulty breathing or shortness of breath.
- Persistent pain or pressure in the chest.
- New confusion or difficulty waking up.
- Bluish lips or face.

PLEASE NOTE: Older adults may be less likely than younger individuals to run a fever when they have an infection. If you have other symptoms of an infection or you are feeling poorly, it's better to get checked out even if you don't have a fever.

When in doubt – Don't delay, CALL 911!
24-HOUR COVID HOTLINES

DAYTIME HOURS

Beaumont's Coronavirus/COVID-19 Hotline provides accurate information regarding COVID-19 symptoms as well as virtual screening for individuals experiencing symptoms. Beaumont nurses will answer any questions and assist patients with treating symptoms at home, following up with primary physicians and seeking treatment at an emergency center. Beaumont urges patients with COVID-19 symptoms to call the hotline before being examined by a physician.

BEAUMONT COVID-19 HOTLINE

248-551-7000

Open from 7 a.m. to 7 p.m. Monday - Friday and 10 a.m. to 6 p.m. Saturday - Sunday

NIGHTTIME HOURS

The Detroit Medical Center established an after hours COVID-19 hotline for anyone with questions regarding the virus.

DMC COVID-19 HOTLINE

1-888-DMC-3370

Open from 5 p.m. to 8 a.m. every day





Domestic Violence Amid the COVID -19

Stay at Home Order

You Are Not Alone!



Domestic violence incidents have affected our communities on a national and local level. HAVEN and The City of Southfield are committed to helping victims of domestic violence during the Stay at Home Order mandates. We know that home is not a safe place for everyone, especially during the COVID-19 pandemic. However, you are not alone.

The Southfield Police Department is committed to maintaining a high level of service during this crisis. In partnership with HAVEN the following services are available:

If you or a loved one are experiencing domestic violence or sexual assault during the Stay Home, Stay Safe order, help is out there!
No one deserves to be abused.



HAVEN's Crisis and Support Line continues to serve callers 365 days per year, 24 hours per day. The support line provides free confidential crisis intervention, understanding and support, safety planning, referrals to programs and emergency shelter, and information to those affected by intimate partner violence and sexual assault. **Call HAVEN's hotline: 248-334-1274 or visit www.haven-oakland.org for more information.**



HAVEN's First Response/Court Advocates continue to be available around the clock, 365 days a year for survivors. As part of the START program, they provide immediate crisis intervention for survivors and their families following an assault. They guide survivors through the complex legal system and assist with personal protection orders (PPO). **You can still file for a PPO during COVID-19 all filings are done online, contact the crisis line for more info.**



START (Safe Therapeutic Assault Response Team)

HAVEN's licensed forensic nurse examiners partner with a first response advocate to provide comprehensive medical forensic exams for adult and child survivors of sexual assault. If you have been sexually assaulted in the past 5 days and/or have been strangled by an intimate partner in the past 30 days you can contact our crisis line to speak with an advocate and nurse to set up a voluntary appointment.



Police and Fire Department: During COVID-19 emergency essential services continue. Police and paramedics will continue to respond to domestic violence calls during COVID-19. If your partner is hurting you and it feels safe for you, you can always call 911 for immediate emergency assistance.

2020 Census Response Deadline Extended

RESPOND TODAY: Because Everyone Counts in Southfield!

Due to the COVID-19 outbreak, the deadline to respond the 2020 Census has been extended! Southfield's response rate is currently at only 55%, so it is imperative that every household that still has not completed the 2020 Census do so as quickly as possible!

The United States Census is mandated by the Constitution to count the populations of states and territories every ten years. Census data is the basis for apportionment of the House of Representatives. It also guides federal assistance, particularly for grants supporting infrastructure and the social safety net. Medicaid alone accounts for 58 percent of census-guided funding.

Residents should have received their invitations in the mail to complete the 2020 Census in March. This mailing included all of the information that every resident needs to respond to the Census online, by phone or in the mail.

Simply logon to www.2020census.gov or call 844-330-2020 to complete the census for your household today!

It is vitally important that every Southfield resident participates as federal funds, grants and support to states, counties and communities are based on population totals and breakdowns by sex, age, race and other factors. The results will also inform how hundreds of billions of dollars in federal funding are allocated to more than 100 programs, including Medicaid, Head Start, block grants for community mental health services, and the Supplemental Nutrition Assistance Program, also known as SNAP. Local governments use the census data to ensure public safety and infrastructure and to plan critical programs and services.

WHAT'S NEW IN 2020?

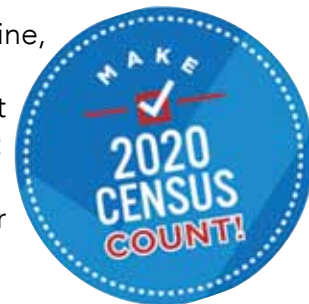
Digital: The 2020 Census will be first to use the Internet as the primary (and preferred) means of collecting household data.

IMPORTANT DATES

- Census invitations were mailed to every household in the United States in March of 2020.
- Every resident 18 years of age and older must

respond to the Census online, by phone or in the mail.

- The Census Bureau must count everyone and submit state population totals to the President by December 31, 2020.



HISTORIC CHALLENGES

In 2010, the census missed about 2.1 percent of African-Americans and 1.5 percent of Hispanics nationally, together accounting for some 1.5 million.

WHAT IS THE CENSUS AND WHY IS IT SO IMPORTANT?

- The first Census was conducted in 1790 and has been carried out every 10 years since then. The next census will occur in 2030.
- Your participation in the census is required by law.
- The U.S. Constitution (Article I, Section 2) mandates a headcount of everyone residing in the United States.
- The questions ask you to provide information that is accurate for your household as of April 1, 2020.
- People should be counted where they live and sleep most of the year.
- It takes less than 10 minutes to complete.
- Federal law protects the personal information you share during the census.
- **Households that do not respond by May will be called or visited by a Census worker!** (Census workers can be identified by a census badge and bag.)
- Census data is used to distribute Congressional seats to states, to make decisions about what community services to provide, and to distribute more than \$675 billion in federal funds to local, state and tribal governments each year.

Census workers will never ask for bank or social security information. All census information collected, including addresses, are confidential and protected by law. By law, the Census Bureau cannot share respondents' answers with the FBI, IRS, CIA, Welfare, Immigration, or any other government agency. No court of law or law enforcement agency can find out respondents' answers. All Census Bureau employees — including temporary employees — take an oath for life to keep census information confidential. Any violation of that oath is punishable by a fine of up to \$250,000 and five years in prison.

Sign up for Absentee Voting in the City of Southfield

The State of Michigan is now a NO-reason absentee vote state, meaning Southfield residents can cast an absentee ballot without giving a reason.

Absent Voter Applications

Michigan law requires that a new application be completed for each election for which an absentee ballot is needed. To request an Application for Absent Voters Ballot, visit the City Clerk's Office at City Hall, 26000 Evergreen Road; contact the City Clerk's Office at (248) 796-5150, or download a copy of the application for Absent Voter Ballot Form from the City's website at www.cityofsouthfield.com. Please be sure to sign and print your full name and address on the application form.

If you are interested in receiving an Absent Voter Application for all future elections, please complete the Permanent Absent Voter Request Form and return it to the City Clerk's Office. Once your signature is

received, your name will be recorded on a Permanent Absent Voter List to receive Absent Voter Applications for all future elections.

The City Clerk's Office will be open from 7 a.m. to 3 p.m. on the Saturday prior to Election Day to accept and process Absent Voter Ballot Applications.

Absentee Ballots issued on the Monday prior to the Election must be voted on-site by 4 p.m.; they cannot leave the Municipal Building per State Election Law. All Absent Voter Ballots must be returned to the City Clerk's Office by 8 p.m. on Election night in order to be counted.



Parks & Recreation launches Stay INterActive



Parks & Recreation recently launched a virtual recreation program, Stay INterActive, that features daily activities, helpful links, video tips and more. Get your golf game ready for the upcoming season with our PGA teaching pro's daily tips, find arts & crafts ideas, escape on a virtual field trip or discover a new game or activity to keep the family laughing and active together with our Stay InterActive program on Facebook @SouthfieldParksandRecreation.

P&R phone lines are monitored daily if you have a question about the status of future Senior Services trips, programs, tax aide, free food delivery options for seniors or questions about park usage. Call Senior Services at (248) 796-4650 or our P&R Info Desk at (248) 796-4620 and staff will return your call.

While our buildings remain closed, we invite you

to visit your local park for fitness activities such as walking, jogging and bikes rides. Just 30 minutes of activity a day has been shown to not only lead to weight loss but also better mood and sleep. Please observe the CDC's minimum social distancing of at least 6 feet from other individuals at all times while in the parks, remember to carry hand sanitizer and wash your hands when you return home. *When at parks, please note that all playground equipment, tennis courts, racquetball courts, sand volleyball courts, athletic fields, restrooms and picnic shelters remain closed until further notice. Please do not visit a park if you have symptoms.*

As we continue to plan for future programs, please know that Parks & Recreation is taking measures to ensure the safety of our participants and staff. We are planning for the changes that will need to be made to ensure everyone's safety. You can stay up-to-date on Parks & Recreation programs by visiting our website www.cityofsouthfield.com/departments/parks-recreation. As plans for summer programs are finalized, we will post a digital Activities Guide on the web. *Parks & Recreation is here for you -- we are all in this together.*

City of Southfield yard waste collection program

GFL Environmental announced that they will resume yard waste collection beginning April 14 on residents designated trash collection day. Due to the temporary suspension in yard waste collection, crews may take more than one day to pick up yard waste in your neighborhood.

What is Yard waste & How Should it be Put Out?

Yard waste includes leaves, grass clippings, branches, brush and other organic material only. Branches and brush refuse must be placed with the cut ends towards the curb on the regular trash collection day. Other yard waste must be placed in approved paper yard waste bags or in a rigid container clearly marked 'Yard Waste.' Yard waste in plastic bags will not be accepted.



Branches & Brush

Branches placed at the curb will be removed by workers with brush chippers. Depending upon the amount of branches, it may take longer than the designated trash collection day to dispose of them.

Yard waste will be collected on residents' regular garbage collection day through December 4. For more information, contact the Public Works Department at (248) 796-4860 or GFL directly at (844) 464-3587.

COVID-19 LAWN MAINTENANCE GUIDELINES

While the Governor's executive order does not currently allow commercial lawn mowing and landscaping companies to operate, that does not stop homeowners from mowing and maintaining their own lawns and properties.

VIOLATIONS TEMPORARILY SUSPENDED

If you do rely on a commercial lawn service, please note that the City of Southfield will not be issuing tickets or violations for tall grass at this time.

PLEASE CONSIDER OFFERING TO HELP YOUR NEIGHBORS!

If your neighbor is elderly or physically incapable of mowing their own lawn, please consider offering to help! This random act of kindness will be greatly appreciated, especially during these difficult times. Residents are encouraged to consider helping others that rely on landscaping companies; however, please just practice appropriate distancing of at least 6 feet or more.

Good neighbors make great communities! #SouthfieldStrong!

Southfield

2019 CONSUMERS ANNUAL REPORT ON WATER QUALITY

ATTENTION: THIS IS AN IMPORTANT REPORT ON WATER QUALITY AND SAFETY

The City of Southfield, The Southeastern Oakland County Water Authority (SOCWA) and the Great Lakes Water Authority (GLWA) are proud of the fine drinking water they supply and are honored to provide this report to you. The 2019 Consumers Annual Report on Water Quality shows the sources of our water, lists the results of our tests, and contains important information about water and health. We will notify you immediately if there is ever any reason for concern about our water. We are pleased to show you how we have surpassed water quality standards as mandated by the Environmental Protection Agency (EPA) and the Michigan Department of Environment, Great Lakes, and Energy (EGLE).

About the System

The City of Southfield purchases water from the Southeastern Oakland County Water Authority (SOCWA) at eleven locations. SOCWA provides GLWA water through its member distribution systems to a population of 210,000 within a 56 square mile area. Current members are Berkley, Beverly Hills, Bingham Farms, Birmingham, Clawson, Huntington Woods, Lathrup Village, Pleasant Ridge, Royal Oak, Southfield and Southfield Township.

Your source water comes from the Detroit River, situated within the Lake St. Clair, Clinton River, Detroit River, Rouge River, Ecorse River, watersheds in the U.S. and parts of the Thames River, Little River, Turkey Creek and Sydenham watersheds in Canada. EGLE in partnership with the U.S. Geological Survey, the Detroit Water and Sewerage Department, and the Michigan Public Health Institute performed a source water assessment in 2004 to determine the susceptibility of GLWA's Detroit River source water for potential contamination. The susceptibility rating is based on a seven-tiered scale and ranges from very low to very high determined primarily using geologic sensitivity, water chemistry, and potential contaminant sources. The report described GLWA's Detroit River intakes as highly susceptible to potential contamination. However, all four GLWA water treatment plants that service the city of Detroit and draw water from the Detroit River have historically provided satisfactory treatment and meet drinking water standards.

GLWA has initiated source-water protection activities that include chemical containment, spill response, and a mercury reduction program. GLWA participates in a National Pollutant Discharge Elimination System permit discharge program and has an emergency response management plan. In 2016, EGLE approved the GLWA Surface Water Intake Protection Program plan. The programs include seven elements that include the following: roles and duties of government units and water supply agencies, delineation of a source water protection areas, identification of potential of sources of contamination, management approaches for protection, contingency plans, siting of new water sources, public participation and public education activities. If you would like to know more information about the Source Water Assessment report please, contact GLWA at (313) 926-8102. *And/or* Your source water comes from the lower Lake Huron watershed. The watershed includes numerous short, seasonal streams that drain to Lake Huron. EGLE in partnership with the U.S. Geological Survey, the Detroit Water and Sewerage Department, and the Michigan Public Health Institute performed a source water assessment in 2004 to determine the susceptibility of

potential contamination. The susceptibility rating is a seven-tiered scale ranging from "very low" to "very high" based primarily on geologic sensitivity, water chemistry, and contaminant sources. The Lake Huron source water intake is categorized as having a moderately low susceptibility to potential contaminant sources. The Lake Huron water treatment plant has historically provided satisfactory treatment of this source water to meet drinking water standards.

In 2015, GLWA received a grant from EGLE to develop a source water protection program for the Lake Huron water treatment plant intake. The program includes seven elements that include the following: roles and duties of government units and water supply agencies, delineation of a source water protection areas, identification of potential of source water protection area, management approaches for protection, contingency plans, siting of new sources and public participation and education. If you would like to know more information about the Source Water Assessment report please, contact GLWA at (313) 926-8102.

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 at (800) 426-4791.

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:

- 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 agriculture, urban storm water runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organics, 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 prescribes regulations, which limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

Key to the Detected Contaminants Table

Symbol	Abbreviation	Definition/Explanation
>	Greater than	
°C	Celsius	A scale of temperature in which water freezes at 0° and boils at 100° under standard conditions.
AL	Action Level	The concentration of a contaminant, which, if exceeded, triggers treatment or other requirements which a water system must follow.
HAA5	Haloacetic Acids	HAA5 is the total of bromoacetic, chloroacetic, Dibromoacetic, dichloroacetic, and trichloroacetic acids. Compliance is based on the total.
Level 1	Level 1 Assessment	A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in the water system.
Level 2	Level 2 Assessment	A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an E. coli MCL violation occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.
LRAA	Locational Running Annual Average	The average of analytical results for samples at a particular monitoring location during the previous four quarters.
MCL	Maximum Contaminant Level	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.
MCLG	Maximum Contaminant Level Goal	The level of contaminant in drinking water below which there is no known or expected risk to health.
MRDL	Maximum Residual Disinfectant Level	The highest level of disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
MRDLG	Maximum Residual Disinfectant Level Goal	The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLG's do not reflect the benefits of the use of disinfectants to control microbial contaminants.
n/a	not applicable	
ND	Not Detected	
NTU	Nephelometric Turbidity Units	Measures the cloudiness of water.
pCi/L	Picocuries Per Liter	A measure of radioactivity
ppb	Parts Per Billion (one in one billion)	The ppb is equivalent to micrograms per liter. A microgram = 1/1000 milligram.
ppm	Parts Per Million (one in one million)	The ppm is equivalent to milligrams per liter. A milligram = 1/1000 gram.
RAA	Running Annual Average	The average of analytical results for all samples during the previous four quarters.
SMCL	Secondary Maximum Contaminant Level	An MCL which involves a biological, chemical or physical characteristic of water that may adversely affect the taste, odor, color or appearance (aesthetics), which may thereby affect public confidence or acceptance of the drinking water.
TT	Treatment Technique	A required process intended to reduce the level of a contaminant in drinking water.
TTHM	Total Trihalomethanes	Total Trihalomethanes is the sum of chloroform, bromodichloromethane, dibromochloromethane and bromoform. Compliance is based on the total.
µohms	Microohms	Measure of electrical conductance of water

Springwells Water Treatment Plant 2019 Regulated Detected Contaminants Tables

2019 Inorganic Chemicals – Monitoring at the Plant Finished Water Tap								
Regulated Contaminant	Test Date	Unit	Health Goal MCLG	Allowed Level MCL	Highest Level Detected	Range of Detection	Violation yes/no	Major Sources in Drinking Water
Fluoride	6-11-19	ppm	4	4	0.66	n/a	no	Erosion of natural deposits; Water additive, which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Nitrate	6-11-19	ppm	10	10	0.48	n/a	no	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Barium	5-16-2017	ppm	2	2	0.01	n/a	no	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits

2019 Disinfectant Residuals – Monitoring in Distribution System by Treatment Plant								
Regulated Contaminant	Test Date	Unit	Health Goal MRDLG	Allowed Level MRDL	Highest RAA	Quarterly Range of Detection	Violation yes/no	Major Sources in Drinking Water
Total Chlorine Residual	Jan-Dec 2019	ppm	4	4	0.68	0.57-0.72	no	Water additive used to control microbes

2019 Turbidity – Monitored every 4 hours at Plant Finished Water			
Highest Single Measurement Cannot exceed 1 NTU	Lowest Monthly % of Samples Meeting Turbidity Limit of 0.3 NTU (minimum 95%)	Violation yes/no	Major Sources in Drinking Water
0.26 NTU	100%	no	Soil Runoff
Turbidity is a measure of the cloudiness of water. We monitor it because it is a good indicator of the effectiveness of our filtration system.			

Regulated Contaminant	Treatment Technique 2019	Typical Source of Contaminant
Total Organic Carbon (ppm)	The Total Organic Carbon (TOC) removal ratio is calculated as the ratio between the actual TOC removal and the TOC removal requirements. The TOC was measured each quarter and because the level was low, there is no TOC removal requirement	Erosion of natural deposits

Contaminant	MCLG	MCL	Level Detected 2019	Source of Contamination
Sodium (ppm)	n/a	n/a	6.37	Erosion of natural deposits

These tables are based on tests conducted by GLWA in the year 2019 or the most recent testing done within the last five calendar years. GLWA conducts tests throughout the year only tests that show the presence of a substance or require special monitoring are presented in these tables.



Northeast Water Treatment Plant

2019 Regulated Detected Contaminants Tables

2019 Inorganic Chemicals – Monitoring at the Plant Finished Water Tap								
Regulated Contaminant	Test Date	Unit	Health Goal MCLG	Allowed Level MCL	Highest Level Detected	Range of Detection	Violation yes/no	Major Sources in Drinking Water
Fluoride	6-11-19	ppm	4	4	0.72	n/a	no	Erosion of natural deposits; Water additive, which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Nitrate	6-11-19	ppm	10	10	0.48	n/a	no	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Barium	5-16-17	ppm	2	2	0.01	n/a	no	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits

2019 Disinfectant Residuals – Monitoring in Distribution System by Treatment Plant								
Regulated Contaminant	Test Date	Unit	Health Goal MRDLG	Allowed Level MRDL	Highest RAA	Quarterly Range of Detection	Violation yes/no	Major Sources in Drinking Water
Total Chlorine Residual	Jan-Dec 2019	ppm	4	4	0.74	0.45-0.83	no	Water additive used to control microbes

2019 Turbidity – Monitored every 4 hours at Plant Finished Water			
Highest Single Measurement Cannot exceed 1 NTU	Lowest Monthly % of Samples Meeting Turbidity Limit of 0.3 NTU (minimum 95%)	Violation yes/no	Major Sources in Drinking Water
0.13 NTU	100 %	no	Soil Runoff
Turbidity is a measure of the cloudiness of water. We monitor it because it is a good indicator of the effectiveness of our filtration system.			

Regulated Contaminant	Treatment Technique 2019	Typical Source of Contaminant
Total Organic Carbon (ppm)	The Total Organic Carbon (TOC) removal ratio is calculated as the ratio between the actual TOC removal and the TOC removal requirements. The TOC was measured each quarter and because the level was low, there is no TOC removal requirement	Erosion of natural deposits

Special Monitoring 2019				
Contaminant	MCLG	MCL	Level Detected 2019	Source of Contamination
Sodium (ppm)	n/a	n/a	6.37	Erosion of natural deposits

These tables are based on tests conducted by GLWA in the year 2019 or the most recent testing done within the last five calendar years. GLWA conducts tests throughout the year only tests that show the presence of a substance or require special monitoring are presented in these tables.



Lake Huron Water Treatment Plant 2018 Regulated Detected Contaminants Tables

2019 Inorganic Chemicals – Monitoring at the Plant Finished Water Tap								
Regulated Contaminant	Test Date	Unit	Health Goal MCLG	Allowed Level MCL	Highest Level Detected	Range of Detection	Violation yes/no	Major Sources in Drinking Water
Fluoride	6-11-19	ppm	4	4	0.61	n/a	no	Erosion of natural deposits; Water additive, which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Nitrate	6-11-19	ppm	10	10	0.46	n/a	no	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Barium	5-16-17	ppm	2	2	0.1	n/a	no	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits

Regulated Contaminant	Test Date	Unit	Health Goal MRDLG	Allowed Level MRDL	Highest RAA	Quarterly Range of Detection	Violation yes/no	Major Sources in Drinking Water
Total Chlorine Residual	Jan-Dec 2019	ppm	4	4	0.84	0.65-0.92	no	Water additive used to control microbes

2019 Turbidity – Monitored every 4 hours at Plant Finished Water				
Highest Single Measurement Cannot exceed 1 NTU	Lowest Monthly % of Samples Meeting Turbidity Limit of 0.3 NTU (minimum 95%)		Violation yes/no	Major Sources in Drinking Water
0.14 NTU	100 %		no	Soil Runoff
Turbidity is a measure of the cloudiness of water. We monitor it because it is a good indicator of the effectiveness of our filtration system.				

Regulated Contaminant	Treatment Technique 2019	Typical Source of Contaminant
Total Organic Carbon (ppm)	The Total Organic Carbon (TOC) removal ratio is calculated as the ratio between the actual TOC removal and the TOC removal requirements. The TOC was measured each quarter and because the level was low, there is no TOC removal requirement	Erosion of natural deposits

Radionuclides 2014							
Regulated contaminant	Test date	Unit	Health Goal MCLG	Allowed Level	Level detected	Violation Yes/no	Major Sources in Drinking water
Combined Radium 226 and 228	5-13-14	pCi/L	0	5	0.86 + or - 0.55	no	Erosion of natural deposits

Contaminant	MCLG	MCL	Level Detected 2019	Source of Contamination
Sodium (ppm)	n/a	n/a	4.74	Erosion of natural deposits



CITY OF SOUTHFIELD

2019 Disinfection By-Products – Monitoring in Distribution System, Stage 2 Disinfection By-Products								
Regulated Contaminant	Test Date	Unit	Health Goal MCLG	Allowed Level MCL	Highest LRAA	Range of Detection	Violation yes/no	Major Sources in Drinking Water
Total Trihalomethanes (TTHM)	2019	ppb	n/a	80	29	13.7-38.9	no	By-product of drinking water chlorination
Haloacetic Acids (HAA5)	2019	ppb	n/a	60	36	13-19	no	By-product of drinking water disinfection

2019 Lead and Copper Monitoring at Customers' Tap								
Regulated Contaminant	Test Date	Unit	Health Goal MCLG	Action Level AL	90 th Percentile Value*	Number of Samples over AL	Violation yes/no	Major Sources in Drinking Water
Lead	2019	ppb	0	15	5 ppb	0	no	Corrosion of household plumbing system; Erosion of natural deposits.
Copper	2019	ppm	1.3	1.3	0.1 ppm	0	no	Corrosion of household plumbing system; Erosion of natural deposits; Leaching from wood preservatives.

*The 90th percentile value means 90 percent of the homes tested have lead and copper levels below the given 90th percentile value. If the 90th percentile value is above the AL additional requirements must be met.

2019 Microbiological Contaminants – Monthly Monitoring in Distribution System					
Regulated Contaminant	MCLG	MCL	Highest Number Detected	Violation yes/no	Major Sources in Drinking Water
Total Coliform Bacteria	0	Presence of Coliform bacteria > 5% of monthly samples	0	no	Naturally present in the environment
<i>E. coli</i> Bacteria	0	A routine sample and a repeat sample are total coliform positive, and one is also <i>E. coli</i> positive.	0	no	Sanitary defects

The Fourth Unregulated Contaminant Monitoring Rule (UCMR4) 2019

The UCMR program provides the EPA and other interested parties with nationally representative data on the occurrence of particular contaminants in drinking water, the number of people potentially being exposed and an estimate of the levels of that exposure. In accordance with SDWA, EPA will consider the occurrence data from UCMR4 and other sources, along with the peer reviewed health effects assessments, to support a regulatory determination on whether to initiate the process to develop a national primary drinking water regulation.

The table lists the minimum reporting level, level detected, average and range of each contaminant detected.


Detection levels are in micro grams per Liter ($\mu\text{g/L} = 1\text{ppb}$)

Contaminant	Minimum Reporting Level $\mu\text{g/L}$	Level Detected	AVG	Range
Manganese	0.4	85.1	NA	NA
HAA5	NA	NA	11.73	11.31 – 12.15
HAA6Br	NA	NA	7.50	7.11 – 7.88
HAA9	NA	NA	18.20	17.41 – 18.98

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2019 WATER QUALITY REPORT, *Continued from previous page*

IMPORTANT HEALTH INFORMATION

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 Southfield 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 or at <http://www.epa.gov/safewater/lead>.

People with Special Health Concerns

Some people may be more vulnerable to contaminants in drinking water

than is 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 at (800) 426-4791.

Infants and young children are typically more vulnerable to lead in drinking water than the general population. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. If you are concerned about elevated lead levels in your home's water, you may wish to have your water tested and flush

your tap for 30 seconds to 2 minutes before using tap water. Additional information is available from the Safe Drinking Water Hotline (800-426-4791).

Questions:

- Local Distribution: City of Southfield, Public Works Administration (248) 796-4850
- Southeastern Oakland County Water Supply System – Water Authority offices: (248) 288-5150. Visit our web site at www.socwa.org
- Great Lakes Water Authority – www.glwater.org
- Michigan Department of Environment, Great Lakes, and Energy (EGLE) - (586) 753-3755 – www.michigan.gov/egle
- U.S. Environmental Protection Agency – Safe Drinking Water Hotline: (800) 426-4791.
- Water quality data for community water systems throughout the United States is available at <https://www.epa.gov/wqs-tech>

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