AMERICAN FORK

2019 Annual WATER QUALITY REPORT

Pictured right: Public Works Department staff hard at work ***upgrading waterlines throughout the city.***

Water Conservation

If you've spent time on I-15 or driving around the areas of construction in the valley, you know Utah County is one of the top growing counties in the state. American Fork City's pressurized irrigation system and the water it supplies are valuable resources for residents and water users. The primary source of water for pressurized irrigation is the American Fork River, with additional water coming from the other surface sources. When river water is scarce, wells are called on at a significant cost to supplement and provide a larger percentage of water to the system. In 2019 we experienced roughly a normal water year, but 2020 has already had months where it was one of the dryest years on record. Overutilizing our water resources could vastly impact our rivers and wells in this and following years. With the increased demand of growth, every year we need to be more mindful of our conservation efforts so we do not deplete our precious water supply.

We're pleased to report to our customers that our drinking water meets or exceeds all Federal and State requirements.

FOR MORE INFO, visit waterwiseutah.org

We are Comitted to You

All drinking water, *including bottled water*, may reasonably be expected to contain at least small amounts of some constituents or impurities; their presence does not necessarily indicate that the water poses a health risk. More information about water safety and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791. We constantly strive to provide our customers with a safe and dependable drinking water supply and would like you to be aware of the process we consistently practice to improve the treatment of our water and the protection of our sources. *No water is devoid of all impurities.* Our experienced staff is committed to delivering the highest quality water to you possible. You will see in our Test Results table on the next page the quality of water provided to every tap.

Be Involved!

We encourage our customers to take an active interest in their water. If you have any questions about this report or the water we are supplying, please contact the water division manager at 801.763.3050. Additionally, we invite you to attend our public meetings to learn more about our water utility. Those meetings are held on the second and fourth Tuesdays of each month at 7:30 pm at the City Hall.

Lead Awareness

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

Safe Water ≠ No Impurities

How are Acceptable Levels of Water Impurities DETERMINED?

The state and federal government imposes the highest level of concern for the quality of drinking water, and has set the MCLs at very strict levels. To illustrate the possible health effects, a person would have to drink over 2 quarts of water with the contaminant at the MCL level every day of their life to have a 0.000001% chance of having the described health effect. 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 impurities do not necessarily pose a health risk. Should there be a concern for your safety, we will contact you and let you know the appropriate action to take to continue to have safe drinking water.

Customer Service

American Fork City public works has the best interest of the community at heart and works continually, night or day, to ensure the highest quality water is provided to every tap. Water is the most precious resource to our community's current wellbeing and our bright future. In our efforts to continually provide the highest quality water to our customers, we have had our facilities reviewed by the State Division of Drinking Water. With this review complete, our water system is found compliant in both security and daily operation.

Cross Connection

Our water distribution system has many connections. Concerns for adverse effects to the system are minimal when those connections are properly installed and maintained. The supply and the quality of water may be affected if connections are made to the system that are unapproved or improperly installed; otherwise referred to as a cross connection. Cross connections can allow contaminated water or chemicals to intersperse into the water supply if the connection is not properly protected. Improper connections not only compromise the water quality but can also affect you and your family's health. What can be done by you, our customer, to alleviate this problem? Do not make or allow improper or unapproved connections at your homes. Something as seemingly harmless as an unprotected garden hose lying in the puddle next to the driveway is a cross connection. The unprotected lawn sprinkler system after you have fertilized or sprayed is also a cross connection. Determine and avoid all possible ways harmful substances could find a route to your drinking water; cross connection allowed at your home will affect you and your family first. If you'd like to learn more about helping to protect the quality of our water, call us for further information about ways you can help.

Water Testing Results

From January 1 to December 31 of 2019

Contaminant	Violation Y/N	+ Sample Count	MCLG	MCL	Date Sampled	Likely Source of Contamination
TCR TABLES & MICROBIOLOGICAL CONTAMINANTS						
Total Coliform Bacteria	N	1	0	5	2019	Naturally present in the environment
E.coli	N	0	0	0	2019	Human and animal fecal waste

Contaminant	Violation Y/N	Level Detected ND/Low-High	Unit Measurement	MCLG	MCL	Date Sampled	Likely Source of Contamination
RADIOACTIVE CONTAMINANTS							
Alpha Emitters	N	0 - 4.6	pCi/L	0	15	2019	Erosion of natural deposits
Radium 228	N	0 - 0.60	pCi/L	0	5	2019	Erosion of natural deposits
TURBIDITY							
Turbidity	N	0.02 - 0.52	NTU	0	0.30	2015, 2019	Soil Runoff
INORGANIC CONTAMINANTS							
Barium	N	20 - 105	ppb	2000	2000	2019	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Fluoride	N	175 - 238	ppb	4000	4000	2019	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate	N	129 - 1488	ppb	10,000	10,000	2015, 2019	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Selenium	N	0.60 - 1.70	ppb	50	50	2019	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Sodium	N	3.044 - 72.775	ppm	500	none	2019	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mine
Sulfate	N	51.082 - 84	ppm	1000	1000	2015, 2019	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills, runoff from croplan
Total Dissolved Solids (TDS)	N	272 - 324	ppm	2000	2000	2019	Erosion of natural deposit
LEAD AND COPPER							
Lead	N	0 - 1.5	ppb	0	AL=15	2019	Corrosion of household plumbing systems, erosion of natural deposits
				Number of Sites over Action Level = 0			
Copper	N	7 - 142	ppb	1300	AL=1300	2019	Erosion of natural deposits; Leaching fromwood preservatives; Corrosion of householdplumbing systems
				Number of Sites over Action Level = 0			

In addition to the constituents listed above, we also tested for over 65 others.

None were detected

AMERICAN FORK
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Table Definitions

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.

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

Low Number - High Number – lowest and highest level of contamination measured between all system water sources.

ppm - parts per million or milligrams per liter (mg/l) which ratio is equal to one dollar in $1,000,000

ppb - parts per billion or micrograms per liter (ug/l) which ratio is equal to one dollar in $1,000,000,000.

pCi/L - picocuries per liter is a measure of the radioactivity in water.

NTU - Nephelometric Turbidity Unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

Report Designed by Diana Waite

American Fork City Public Works Department 275 East 200 North 801.763.3000 afcity.org

COVID-19 Updates

at-a-glance
information accurate as of June 6, 2020

City Administration	Lobbies are closed to public. Open for business via email and phone
Parks	Playgrounds are open and pavilion reservations are accepted.
Fitness Center	Open on a limited use basis. See afcity.org/fitness
Recreation Programs	Available programs began May 26, 2020
Senior Center	Activities and reservations are canceled. Meals for qualified seniors still being delivered or picked up and must be scheduled a day in advance. See afcity.org/seniors
Library Services	Walk-in service available on a limited basis.
Public Safety	Tours of Police and Fire stations are canceled.
Public Meetings	Public meetings are all held electronically and can be viewed on the city's YouTube page. Citizens wishing to comment may do so a minimum of 3 hours prior to the meeting by emailing zoompubliccomment@afcity.net

When possible, use online resources. Otherwise, as you are out in public, minimize contact with surfaces and keep safe distances from people.

WaterSource Safety

Our water sources are derived from groundwater sources. We have two spring sources, Power House and Timp Cave Camp; and five well sources, Alpine Country Club, Boley, Golf Course, Hospital, and Race Track. A drinking source water assessment has been completed for American Fork City and is available for your review upon request. This report contains information applicable to protection of our water sources from possible contamination, the zones in which the water system is vulnerable to contamination and the strategies our management practices to keep our sources safe and clean. Our water sources are in a remote area and the susceptibility of potential contamination is extremely small and very unlikely.

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