

2020 DRINKING WATER QUALITY REPORT



CONSUMER CONFIDENCE REPORT

PWS ID: TX0270008

BUENA VISTA W.S. BURNET

Our Drinking Water Meets All Federal (EPA) Drinking Water Requirements

This report is intended to provide you with important information about your drinking water and the efforts made by the water system to provide safe drinking water. The U.S. Environmental Protection Agency (EPA) requires ongoing tests of all public water systems, and the results are provided on the following pages. We hope that by this information helps you to become more aware of what's in your drinking water in Buena Vista W.S. Burnet.

Water Sources

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 organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.

Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

Contaminants may be found in drinking water that may cause taste, color or odor problems. These types of problems are not necessarily causes for health concerns. For more information on taste, odor, or color of drinking water, please contact the system's business office. In order to ensure that tap water is safe to drink, the EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration regulations establish limits for contaminants in bottled water that must provide the same protection for public health.

Special Notice for Infants, Elderly and those with Special Health Circumstances



You may be more vulnerable than the general population to certain microbial contaminants, such as Cryptosporidium, in drinking water. Infants, some elderly, or immunocompromised persons such as those undergoing chemotherapy for cancer; those who have undergone organ transplants; those who are undergoing treatment with steroids; and people with HIV/AIDS or other immune system disorders can be particularly at risk from infections. You should seek advice about drinking water from your physician or health care provider. Additional guidelines on appropriate means to lessen the risk of infection by Cryptosporidium are available from the Safe Drinking Water Hotline at (800) 426-4791.

En Espanol

Este reporte incluye información importante sobre el agua potable. Para asistencia en español, favor de llamar por telefono a Corina al 281-355-1312.

Public Participation Opportunities

You may mail comments to:
H2O Innovation
Attn: Buena Vista WS Burnet
P.O. Box 691008
Houston, TX 77269

Where do we get our drinking water?

The source of drinking water used by Buena Vista WS Burnet is Surface Water. It comes from Inks Lake. TCEQ completed an assessment of your source water and results indicate that some of our sources are susceptible to certain contaminants. The sampling requirements for your water system is based on this susceptibility and previous sample data. Any detections of these contaminants will be found in this Consumer Confidence Report. For more information on source water assessments and protection efforts at our system contact Buena Vista at: 281-355-1312.

All Drinking Water May Contain Contaminants

When drinking water meets federal standards there may not be any health benefits to purchasing bottled water or point of use devices. Drinking water, including bottled water, may reasonably be expected to contain at least small amount 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 found by calling the EPA's Safe Drinking Water Hotline (1-800-426-4791).

About this report

This report lists all of the federally regulated or monitored contaminants which have been found in your drinking water. The U.S. EPS requires water systems to test for up to 97 contaminants. Most sampling is conducted at each source water entry point into the system. The actual water received by a consumer may be a blend from different sources, depending on location.

Drinking Water Abbreviations and Definitions

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

Avg: Regulatory compliance with some MCLs are based on running annual average of monthly samples.

MFL: million fibers per liter (a measure of asbestos)

N/A: not applicable

NTU: nephelometric turbidity units (a measure of turbidity)

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

ppm: parts per million, or milligrams per liter (mg/L), or one ounce in 7,350 gallons of water

ppb: parts per billion, or micrograms per liter, or one ounce in 7,350,000 gallons of water

ppt: parts per trillion, or nanograms per liter (ng/L)

ppq: parts per quadrillion, or pictograms per liter (pg/L)

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 our water system.

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 has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

Maximum Contaminant Level Goal or MCLG:

The level of contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Contaminant Level or 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 residual disinfectant level goal or MRDLG:

There is a level of drinking water disinfectant below which there is no known or expected risk to health. MRDLs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Maximum residual disinfectant level or 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.

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

Treatment Technique or TT:

A required process intended to reduce the level of a contaminant in drinking water.

REGULATED CONTAMINANTS

DISINFECTION BY-PRODUCTS							
YEAR	Contaminant Unit of measurement	Highest Level Detected	Range of Levels Sampled	Violation	MCL	MCLG	Likely Source of Contaminant
2020	Total Trihalomethanes (TTHM) (ppb)	169	58.7 – 136	YES	80	No goal for the total	By-product of drinking water disinfection.
2020	Haloacetic Acids (HAA5) (ppb)	60	6.6 – 4.5	NO	60	No goal for the total	By-product of drinking water disinfection.
Collection Date	Inorganic Contaminants	Highest Level Detected	Range of Levels Detected	Violation	MCL	MCLG	Likely Source of Contamination
2020	Barium (ppm)	0.0862	0.0862 – 0.0862	NO	2	2	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
2020	Fluoride (ppm)	0.2	0.17 – 0.17	NO	4.0	4	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
2020	Nitrate [measured as Nitrogen] (ppm)	0.13	0.13 – 0.13	NO	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
2020	Selenium (ppb)	3.4	3.4 – 3.4	NO	50	50	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines.

*The value in the Highest Level or Average Detected column is the highest average of all HAA5 sample results collected at a location over a year

RADIOACTIVE CONTAMINANTS

YEAR	Contaminant Unit of measurement	Highest level detected	Range of detected level	Violation	MCL	MCLG	Likely Source of Contaminant
2018	*Beta Photon emitters (pCi/L*)	8.3	8.3 – 8.3	NO	50	0	Decay of natural and man-made deposits.

*EPA considers 50 pCi/L to be the level of concern for beta particles

Synthetic organic contaminants including pesticides and herbicides	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Violation	Likely Source of Contaminant
Dalapon (ppb)	2020	1.3	0 – 1.3	200	200	NO	Runoff from herbicide used on right of ways.

LEAD AND COPPER

Contaminant Unit of measurement	YEAR	MCLG	Action Level	90 th percentile	# of Sites Ove AL	Violation	Likely Source of Contaminant
Copper (ppm)	2018	1.3	1.3	0.232	0	NO	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead (ppb)	2018	0	15	1.4	0	NO	Corrosion of household plumbing systems; Erosion of natural deposits.

Turbidity	Limit (Treatment Technique)	Level Detected	Violation	Likely Source of Contamination
Highest Single measurement	1 NTU	0.29 NTU	NO	Soil runoff.
Lowest monthly % meeting limit	0.3 NTU	100%	NO	Soil runoff.

Information Statement: Turbidity is a measurement of the cloudiness of the water caused by suspended particles. We monitor it because it is a good indicator of water quality and the effectiveness of our filtration system and disinfectants.

Disinfectant Residuals

Year	Contaminant Unit of Measure	Average Level Detected	Range of Level Detected	MRDL	MRDLG	Violation	Likely Source of Contamination
2020	Free Chlorine	1.27	0.3 – 2.1	4	4	No	Water additive used to control microbes.

- If you would like to talk to a district representative about your Water Quality Report, please call Buena Vista WS Burnet at 281 355 1312. For information from the U.S. Environmental Agency, you may call the EPA’s Hotline at 1-800-426-4791.
- In 2020 Buena Vista Water Supply submitted a Water Loss Audit and reported a water loss of 72.97 gallons per day per connection.

Violations Table

Public Notification Rule			
The Public Notification Rule helps to ensure that consumers will always know if there is a problem with their drinking water. These notices immediately alert consumers if there is a serious problem with their drinking water (e.g., a boil water emergency).			
Violation Type	Violation Begin	Violation End	Violation Explanation
PUBLIC NOTICE RULE LINKED TO VIOLATION	11/12/2019	02/20/2020	We failed to adequately notify you, our drinking water consumers, about a violation of the drinking water regulations.
PUBLIC NOTICE RULE LINKED TO VIOLATION	01/12/2020	02/20/2020	We failed to adequately notify you, our drinking water consumers, about a violation of the drinking water regulations.
Total Trihalomethanes (TTHM)			
Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer.			
Violation Type	Violation Begin	Violation End	Violation Explanation
MCL, LRAA	01/01/2020	03/31/2020	Water samples showed that the amount of this contaminant in our drinking water was above its standard (called a maximum contaminant level and abbreviated MCL) for the period indicated.
MCL, LRAA	04/01/2020	06/30/2020	Water samples showed that the amount of this contaminant in our drinking water was above its standard (called a maximum contaminant level and abbreviated MCL) for the period indicated.
MCL, LRAA	07/01/2020	09/30/2020	Water samples showed that the amount of this contaminant in our drinking water was above its standard (called a maximum contaminant level and abbreviated MCL) for this period indicated.
MCL, LRAA	10/01/2020	12/31/2020	Water samples showed that the amount of this contaminant in our drinking water was above its standard (called a maximum contaminant level and abbreviated MCL) for this period indicated.

Operational Evaluation Report:

The Buena Vista WS Burnet water system PWS ID TX0270008 has violated the monitoring and reporting requirements set by Texas Commission on Environmental Quality (TCEQ) in Chapter 30, Section 290, Subchapter F. Public Water systems in exceedance of an operational evaluation level are required to conduct an evaluation of their source water, treatment and distribution operations and submit a report of their findings to the TCEQ.

We failed to conduct an operational evaluation and/or submit a report to the TCEQ. These violations occurred in the monitoring period(s) quarter four 2020.

We are taking the following actions to address this issue. We have submitted the Operational Evaluation report and it has been approved by TCEQ. We have made changes to the submittal process to ensure this violation does not occur again in the future.

Please share this information with all other people who drink this water, especially those who may not have received this notice directly (i.e., people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

If you have any questions regarding this matter, you may contact Cameron King at H2O Innovation: (281) 355 1312 .

Additional Health Information for Lead

All water systems are required by EPA to report the following language: "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. This water supply 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>."