

Greetings from the Utility

The City of Temple is dedicated to providing an adequate supply of safe and reliable drinking water to its customers and visiting consumers. Our Utility employees take pride in delivering quality drinking water to your tap each and every day. This 2017 Water Quality Report will provide you with comfort in knowing that the City owned and operated Water Treatment Plant is capable of maintaining the public's health to a high standard. This report is a snapshot of last year's water quality. Included are details about where your water comes from, what it contains, and how it compares to State standards. We are committed to providing you with information because informed customers are our best customers. Should you have any questions please feel free to call the number listed in the report. We would love to hear from you.



Yours in Service,
Damon B. Boniface, Utility Director

City of Temple Source Water & Source Water Assessment

The source of drinking water for the City of Temple is Surface Water which comes from the Leon River south of Lake Belton and is located within the Brazos River Basin. The TCEQ completed an assessment of the City of Temple's source water, and results indicate that some of our sources are susceptible to certain contaminants. The sampling requirements for our water system are based on this susceptibility and previous sample data. Any detections of these contaminants may be found in this Consumer Confidence Report. For more information on source water assessments and protection efforts at the City of Temple, contact the Water Treatment Plant at (254) 298-5940.

For more information about your sources of water, please refer to the Source Water Assessment Viewer <http://www.tceq.texas.gov/gis/swaview/>.

Further details about sources and source-water assessments are available in Drinking Water Watch at <http://dww2.tceq.state.tx.gov/DWW/>.

Why Did I Receive This Report?

In 1996, Congress amended the Safe Drinking Water Act to include a requirement that water utilities annually notify customers about their drinking water quality. The law is very specific regarding delivery methods and what information must be included. The law requires water suppliers make a good effort to distribute this report to its citizens. This report may also be seen at local City facilities to ensure that the citizens of Temple are educated on the quality of potable drinking water provided by the City's water utility. If you have any questions about information contained in this report please contact the City's Water Treatment Plant at (254) 298-5940.

To participate in the public process, regular City Council meetings occur on the 1st and 3rd Thursday of each month at 5 p.m., at Temple's City Hall, 2 N. Main Street. Meetings are open to the public.

For information regarding this report,
contact:

City of Temple—Water Treatment Plant

(254) 298-5940

Este reporte incluye informacion importante sobre el agua para tomar.
Para asistencia en espanol, favor de llamar al telefono (254) 298-5940.



In order to ensure tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water that must provide the same protection for public health.

Drinking Water Information



****The following information is for awareness purposes.
The exact wording shown below is required by State regulations.***

The sources of drinking water (both tap & 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 human activity.

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 at (800) 426-4791. Contaminants that may be present in source water include:

- * Microbial contaminants - viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations & wildlife.
- * Inorganic contaminants - salts and metals, which can be naturally-occurring or result from urban storm water runoff, wastewater discharges, oil/gas production, mining or farming.
- * Pesticides & herbicides - which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.
- * Organic Chemical contaminants - synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production.
- * Radioactive contaminants - naturally occurring or result of oil/gas production activities.

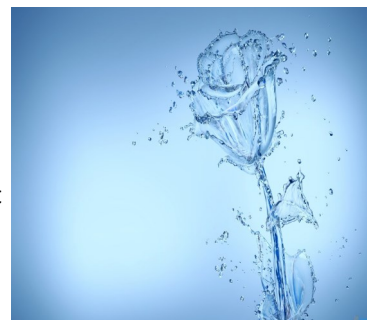


Immunocompromised Persons Advisory

You may be more vulnerable than the general population to certain microbial contaminants, such as Cryptosporidium, in drinking water. Infants, some elderly or immune-compromised person 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 health care provider. Additional guidelines on appropriate means to lessen the risk of infection by Cryptosporidium are available from the EPA Safe Drinking Water Hotline (1-800-426-4791).

Water Quality Test Results: Definitions

- * **Action Level (AL):** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
- * **Maximum Contaminant Level (MCL):** The highest permissible level of a contaminant 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 health risk. MCLGs allow for a margin of safety.
- * **Maximum Residual Disinfectant Level (MRDL):** 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.
- * **Maximum Residual Disinfectant Level Goal (MRDLG):** The level of 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 contamination.
- * **NA:** Not applicable.
- * **NTU:** Nephelometric Turbidity Units pCi/L: picocuries per liter (a measure of radioactivity).
- * **ppm:** parts per million, or milligrams per liter (mg/L).
- * **ppb:** parts per billion, or micrograms per liter (ug/L).
- * **pCi / L:** Picocuries per liter; a measure of radioactivity.
- * **Treatment Technique (TT):** A required process intended to reduce the level of a contaminant in drinking water.
- * **uS / m:** Microseimens per meter; unit of electrical conductance.



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Substance (Units)	Sample Year	Average Level	Minimum Level	Maximum Level	MCL	MCLG	Possible Source
Turbidity Turbidity (NTU)-(Clarity)	2017	0.09	0.01	0.41	95% of the samples must be at or below 0.3 NTU	100% of the samples below 0.3 NTU	City of Temple measures turbidity (cloudiness of water) as an indicator of the effectiveness of our filtration system.
Inorganics Fluoride (ppm)	2017	0.19	0.19	.019	4.0	2.0	Natural geology, supplement
Nitrate as Nitrogen (ppm)	2017	.64	.64	.64	10.0	NA	Runoff from fertilizer use
Combine radium (pCi/L)	2017	1.00	1.00	1.00	5.0	NA	Erosion of natural deposits
Atrazine (ppm)	2017	0.00011	0.00011	0.00011	0.003	NA	Runoff from herbicide use
Coliform Bacteria Total Coliform bacteria	2017	NA	0.00%	0.00%	Presence in 5.00% of samples collected	0.00%	Human and animal fecal waste
Disinfection Residual (I) Chloramines (ppm)	2017	3.35	1.40	3.90	4.00	NA	Disinfection used to control microbes
Disinfection Byproducts (I) Total Trihalomethanes (ppb)	2017	56.7	37.0	72.5	80	NA	Byproduct of water disinfection
Total Haloacetic Acids (ppb)	2017	20.9	15.3	26.7	60	NA	Byproduct of water disinfection
Total Organic Carbon Source Water (ppm)	2017	4.09	3.72	4.43	NA	NA	Naturally present in the environment
Drinking Water (ppm)	2017	2.72	2.36	3.08	NA	NA	
Removal Ratio (TT)	2017	1.55	1.07	2.44	≥ 1.0 Removal Ratio	NA	
Unregulated Contaminants (2) Chloroform (ppb)	2017	13.75	7.20	20.90	NA	NA	Byproduct of water disinfection
Bromoform (ppb)	2017	4.51	7.80	7.80	NA	NA	Byproduct of water disinfection
Bromodichloromethane (ppb)	2017	19.96	13.60	27.10	NA	NA	Byproduct of water disinfection
Dibromochloromethane (ppb)	2017	18.25	15.10	22.30	NA	NA	Byproduct of water disinfection
Other Unregulated Contaminants (2) Bicarbonate Alkalinity (ppm)	2017	194.0	194.0	194.0	NA	NA	Erosion of limestone
Total Alkalinity (ppm)	2017	170.0	132.0	219.0	NA	NA	Natural soluble minerals/salts
Chloride (ppm)	2017	34.0	34.0	34.0	NA	NA	Naturally occurring element
Conductivity (uS/m)	2017	477.0	477.0	477.0	NA	NA	Electrical property of water
pH (pH units)	2012	7.3	7.3	7.3	NA	NA	Measure of corrosivity
Sodium (ppm)	2017	19.6	19.6	19.6	NA	NA	Erosion of natural deposits
Sulfate (ppm)	2017	20.0	20.0	20.0	NA	NA	Naturally occurring compounds
Total Dissolved Solids (ppm)	2017	261.0	261.0	261.0	NA	NA	Total dissolved mineral constituents
Lead and Copper (3) Copper (ppm)	2016	0.214	0.097	0.39	Action Level 1.3	Violation? No	Corrosion of household plumbing
Lead (ppb)	2016	0.002	0.0001	0.025	15.0	No	Corrosion of household plumbing

(1) Running annual average.

(2) Unregulated contaminants are those for which the EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulations are warranted.

(3) Lead and copper testing is done at the customer's tap every three years. None of the sample results exceeded Action Levels.

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 are responsible for providing high quality drinking water, but 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>.

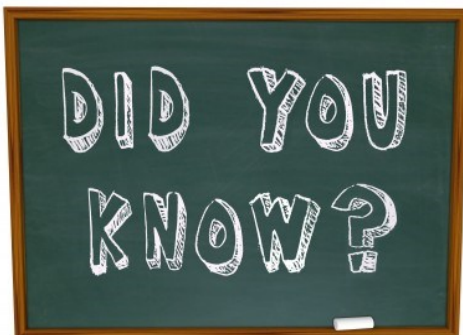
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Substance (Units)	Sample Year	Average Level	Minimum Level	Maximum Level	MCL	MCLG	Possible Source
Metals Analysis							
Aluminum (ppm)	2017	0.0209	0.0209	0.0209	0.20	0.20	Erosion of natural deposits
Barium (ppm)	2017	0.0655	0.0655	0.0655	2.0	2.0	Natural geology
Calcium (ppm)	2017	57.6	57.6	57.6	NA	NA	Erosion of natural deposits
Copper, Free (ppm)	2017	0.0063	0.0063	0.0063	Action Level 1.3	NA	Corrosion of household plumbing
Hardness, Calcium, and Magnesium(ppm)	2013	149	149	149	NA	NA	Erosion of natural deposits
Iron (ppm)	2017	0.01	0.01	0.01	NA	NA	Erosion of natural deposits
Magnesium (ppm)	2017	9.01	9.01	9.01	NA	NA	Erosion of natural deposits
Manganese (ppm)	2017	0.0135	0.0135	0.0135	NA	NA	Erosion of natural deposits
Nickel (ppm)	2017	.0019	.0019	.0019	NA	NA	Erosion of natural deposits
Potassium (ppm)	2017	3.88	3.88	3.88	NA	NA	Erosion of natural deposits
Sodium (ppm)	2017	19.6	19.6	19.6	NA	NA	Erosion of natural deposits

The Texas Commission on Environmental Quality (TCEQ) has notified the **CITY OF TEMPLE** TX0140005:

1. City of Temple regained compliance in 2017 with the maximum contaminant level (MCL) for total trihalomethanes (TTHMs), with sample results routinely below the required limit from changes made to the treatment process. Previously, drinking water being supplied to customers had exceeded total trihalomethanes MCL for all sampling locations. The U.S. Environmental Protection Agency (U.S. EPA) has established the MCL for TTHMs to be 0.080 milligrams per liter (mg/L) based on locational running annual average (LRAA), and has determined that it is a health concern at levels above the MCL. Some people who drink water containing trihalomethanes in excess of the MCL at a rate of approximately 2 liters per day over a period of 70 years may experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer.
2. The City of Temple Water system failed to monitor and report the following constituents, *three (3) distribution Chlorite samples* on December 25, 2017. The required three samples were collected on December 27, 2017 and sent to an accredited laboratory for analysis. The results of the samples showed that the City's drinking water was below the maximum contaminant level.

"The safety of the City's drinking water is always a primary focus and it has always been safe to drink."



In the U.S., tap water is tested more often and held to higher safety standards than bottled water



Important Phone Numbers

Public Works Administration	(254) 298-5621	Temple Police Dept. (Non-Emergency)	(254) 298-5500
Water Treatment Plant	(254) 298-5940	Temple Public Library	(254) 298-5556
Water Dist./Wastewater Collection	(254) 298-5611	Visitors Center	(254) 298-5900
Utility Business Office (Water Bill)	(254) 298-5616	Animal Control	(254) 298-5732
Solid Waste & Recycling Services	(254) 298-5725	City Manager's Office	(254) 298-5600