

CITY OF RICHMOND

Fort Bend County M.U.D. 140

WATER QUALITY REPORT

2015

Consumer Confidence Report

City of Richmond
402 Morton Street
Richmond, Texas 77469



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OUR DRINKING WATER IS REGULATED

This report is a summary of the quality of the water we provide our customers. The analysis was made by using the data from the most recent U.S. Environmental Protection Agency (EPA) Required tests and is presented in the attached pages. We hope this information helps you become more knowledgeable about what's in your drinking water.

SOURCES OF DRINKING WATER

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 before treatment includes: microbes, inorganic contaminants, pesticides, herbicides, radioactive contaminants, and organic chemical contaminants. In order to ensure that tap water is safe to drink the U.S. EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. Federal Food and Drug Administration Agency regulations establish limits for contaminants in bottled water which must provide the same protection for public health.



En Espanol

Este informe incluye informacion importante sobre el agua potable. Si tiene preguntas o comentarios sobre este informe en espanol, favor de llamar al tel.

(281) 342-0559

-para hablar con una persona bilingue en espanol.

Public Participation

The Board of Directors of the District meet at 12:00 p.m.
on the third Tuesday of each month at the offices of ...

Roberts Markel P.C.,
2277 Plaza Drive, Suite 290,
Sugar Land, Texas 77479



You may mail comments to ...

Fort Bend County MUD No. 140,
Attn.: Board of Directors; c/o the City of Richmond,
402 Morton Street, Richmond, Texas 77469
or call (281) 342-0559.

Where do we get our drinking water?

Our drinking water is obtained from the City of Richmond. It comes from the Gulf Coast Aquifer.

Water loss Audit Information

The Texas Water Development Board requires the Fort Bend County M.U.D. 140 to do a water loss audit every year for the time period of January - December 2015. The district water system lost an estimated 2,007,988 gallons out of 63,378,364 gallons pumped. This is less than 4% of the water pumped. If you have any questions about the water loss audit, please call Scott Fajkus, Utilities Coordinator at 281.342.0559.

2015 REGULATED CONTAMINANTS DETECTED

LEAD and COPPER Definitions: **Action Level Goal (ALG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety. **Action Level:** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	2013	1.3	1.3	0.153	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	2013	0	15	1.51	0	ppb	N	Corrosion of household plumbing systems. Erosion of natural deposits.

Disinfectant	Year	Average Level	Minimum Level	Maximum Level	MRDL	MRDLG	Unit of Measure	Violation (Y/N)	Likely Source of Contamination
Chlorine Free	2015	0.97 mg/l	0.68 mg/l	1.19 mg/l	4 mg/l	4 mg/l	ppm	N	Water additive used to control microbes.

REGULATED CONTAMINANTS DETECTED FROM CITY OF RICHMOND

Disinfectants and Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Haloacetic Acids (HAA5)	2015	1	0 - 1	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2015	3	0 - 9.1	No goal for the total	80	ppb	N	By-product of drinking water disinfection.

Not all sample results may have been used for calculating the Highest Level Detected because some results may be part of an evaluation to determine where compliance sampling should occur in the future.

Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Arsenic	2014	3.4	0 - 3.4	0	10	ppb	N	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
Barium	2014	0.232	0.167 - 0.232	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	2014	0.36	0.27 - 0.36	4	4.0	ppm	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Nitrate (measured as Nitrogen)	2015	0.02	0 - 0.02	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Combined Radium 226/228	2014	0.59	0.59 - 0.59	0	5	pCi/L	N	Erosion of natural deposits.
Gross alpha excluding radon and uranium	2014	5.2	4 - 5.2	0	15	pCi/L	N	Erosion of natural deposits.
Uranium	2014	2.5	2.5 - 2.5	0	30	ug/l	N	Erosion of natural deposits.

DEFINITIONS

The following tables contain scientific terms and measures, some of which may require explanation.

Maximum Contaminant Level Goal or 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 Contaminant Level Goal 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:
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.

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 microbial contaminants.

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

ppm:
Milligrams per liter or parts per million - or one ounce in 7,350 gallons of water.

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

na:
not applicable.

ABBREVIATIONS

NTU
Nephelometric Turbidity Units
MFL
million fibers per liter (a measure of asbestos)
pCi/L
picocuries per liter (a measure of radioactivity)
ppm
part per million, or milligrams per liter (mg/L)
ppb
parts per billion, or micrograms per liter
ppt
parts per trillion, or nanograms per liter
ppq
parts per quadrillion, or picograms per liter

SPECIAL NOTICE

Required Language for ALL Community Public Water Systems

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.

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

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; persons who have undergone organ transplants; those who are undergoing treatment with steroids; and person 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.

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 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>.

Information about Source Water Assessments

The TCEQ completed an assessment of your source water and results indicate that some of your sources are susceptible to certain contaminants. The sampling requirements for your 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 our system, contact Scott Fajkus, Utilities Coordinator at 281.342.0559.

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

Further details about sources and sourcewater assessments are available in Drinking Water Watch at the following link: <http://dww2.tceq.texas.gov/DWW/>

Source Water Name	Type of Water	Report Status
City of Richmond	GW	Active
CC from TX0790023 City of Richmond		

Secondary Contaminants

Many constituents (such as calcium, sodium, or iron) which are often found in drinking water, can cause taste, color, and odor problems. The taste and odor constituents are called secondary constituents and are regulated by the State of Texas, not the EPA. These constituents are not cause for health concern. Therefore, secondaries are not required to be reported in this document but they may greatly affect the appearance and taste of your water.