

**Consumer Confidence Report**  
 Information Specific to Your Community Public Water System  
**2015 Annual Drinking Water Quality Report**  
**City of West Columbia**  
**(979)345-3123**

**Source(s) of Water:**

Type(s) of water: Groundwater  
 Body(ies) of water: Brazos & Colorado River Basins  
 Location of body(ies) of water: Brazoria County

**Public Participation Opportunities:**

Date: Monday, September 12, 2016  
 Time: 7:00 P.M.  
 Location: W.C. Council Chambers @ 512 E. Brazos

**Source Water Assessment Protection:**

The 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 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 Matthew Fisher, Water Department Supervisor at (979)345-3123. *Para más información sobre gravámenes del agua de la fuente y esfuerzos de la protección en nuestro sistema, pescador de Matthew Fisher el contacto, supervisor del departamento del agua en (979) 345-3123.*

**Definitions and Terms:**

*Treatment technique (TT):* A required process intended to reduce the level of a contaminant in drinking water. *Action level (AL):* The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow. *Maximum contaminant level goal (MCLG):* The level of a contaminant in drinking water below which there is no known or expected risk to health. *Maximum Contaminant Level (MCL):* The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to maximum contaminant level goals as feasible using the best available treatment technology. *Parts per million (ppm),* or milligrams per liter. *Parts per billion (ppb),* or micrograms per liter. *Parts per trillion (ppt),* or nanograms per liter.

**Information on Detected Contaminants:**

The data presented in the report is from the most recent testing done in accordance with the regulations.

**Inorganic Contaminants:**

Name of Inorganic Contaminant	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Barium	01/23/2014	0.85	0.257 - 0.85	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	01/23/2014	0.72	0.52 - 0.72	4	4	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.
Selenium	01/23/2014	5.2	0 - 0.52	50	50	ppb	N	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines.

**Disinfectants and Disinfection By-Products:**

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.

Name of Disinfectants and Disinfection By-Products	Collection	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Haloacetic Acids (HAA5)	2015	3	3.1 - 3.1	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total trihalomethanes (TTHM)	2015	22	21.6 - 21.6	No goal for the total	80	ppb	N	By-product of drinking water disinfection.

**Disinfectant Residual Table:**

Disinfectant	Year	Average Level	Minimum Level	Maximum Level	MRDL	MRDLG	Unit of Measure	Violation	Likely Source of Contamination
Free	2015	1.12	0.21	3.8	4	4	ppm	N	N/A

**Radioactive Contaminants:**

Name of Radioactive Contaminant	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Combined Radium 226/228	03/23/2010	1.4	1.4 – 1.4	0	5	pCi/L	N	Erosion of natural deposits.
Gross alpha excluding radon and uranium	03/23/2010	7	0 – 7	0	15	pCi/L	N	Erosion of natural deposits.

**Lead and Copper:**

Lead or Copper	Date Sampled	MCLG	Action Level (AL)	90 <sup>th</sup> Percentile	# Sites Over AL	Units	Violation	Source of Contaminant
Lead	09/18/2013	0	15	.00179	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.
Copper	09/18/2013	1.3	1.3	0.262	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.

**Lead and Copper Rule:**

The Lead and Copper Rule protects public health by minimizing lead and copper levels in drinking water, primarily by reducing water corrosivity. Lead and Copper enter drinking water mainly from corrosion of Lead and Copper containing plumbing materials.

Violation Type	Violation Begin	Violation End	Violation Explanation
Lead Consumer Notice (LCR)	12/30/2013	2013	Failed to provide the results of lead tap water monitoring to the consumers at the location water was tested. Results were to be provided no later than 30 days after learning the results.