

# City of Mansfield

## 2015 Drinking Water Quality Report

Annual Water Quality Report for the period January 1 to December 31, 2015. 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.

En Español: Este reporte incluye informacion importante sobre el agua para tomar. Para obtener una copia de esta informacion traducida al Espanol, favor de llamar al telefono 817-477-2248.

The TCEQ completed an assessment of your source water and results indicate that our sources have a low susceptibility to 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 Robby Isbell, Water Treatment Plant Superintendent, 817-477-2248.

### Using Data Collected in 2015 Unless Noted

Inorganic Contaminants	Contaminant	Units	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Violation	Likely Source of Contamination
	Antimony	ppb	0.23	0.23 - 0.23	6.00	6.00	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; test addition.
	Arsenic	ppb	1.00	1.00 - 1.00	0.00	10.00	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
	Barium	ppm	0.043	0.043 - 0.043	2.00	2.00	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
	Chromium	ppb	1.00	1.00 - 1.00	100.00	100.0	No	Discharge from steel and pulp mills; Erosion of natural deposits.
	Cyanide	ppb	168.00	168.00 - 168.00	200.00	200.00	No	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories.
	Fluoride	ppm	0.400	0.367 - 0.367	4.00	4.00	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
	Nitrate [measured as Nitrogen]	ppm	0.164	0.164 - 0.164	10.00	10.00	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Selenium	ppb	1.400	1.400 - 1.400	50.00	50.00	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines.	

### Radioactive Contaminants (collected 1/06/2011)

Combined Radium 226/228	pCi/L	1.00	1.00 - 1.00	0.00	5.00	No	Erosion of natural deposits.
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Lead and Copper <sup>(1)</sup>	Units	The 90th Percentile	# Sites Over AL	Action Level (AL)	MCLG	Violation	Likely Source of Contamination
Lead	ppb	1.70	0.00	15.00	0.00	No	Corrosion of household plumbing systems; Erosion of natural deposit.
Copper	ppm	0.21	0.00	1.30	1.30	No	Corrosion of household plumbing systems; Erosion of natural deposit; Leaching from wood preservatives.

Turbidity <sup>(2)</sup>	Limit (Treatment Technique)	Level Detected	Violation	Likely Source of Contamination
Highest single measurement	1.00 NTU	0.32 NTU	No	Soil runoff.
Lowest monthly % meeting limit	0.30 NTU	100%	No	Soil runoff.

Secondary Constituents	Contaminant	Units	Average Level	Minimum Level	Maximum Level	Secondary Limit	Likely Source of Contamination
	Bicarbonate	ppm	94.70	94.70	94.70	NA	Corrosion of carbonate rocks such as limestone.
	Chloride	ppm	29.50	29.50	29.50	300.00	Abundant naturally occurring element; Used in water purification.
	Hardness as Ca/Mg	ppm	103.00	103.00	103.00	NA	Naturally occurring in calcium and magnesium.
	pH	units	8.00	8.00	8.00	> 7.00	Measure of corrosivity of water.
	Sodium	ppm	30.10	30.10	30.10	NA	Erosion of natural deposits; Byproducts of oil field activity.
	Sulfate	ppm	31.30	31.30	31.30	300.00	Naturally occurring; Common industrial byproduct; Byproducts of oil field activity.
	Total Alkalinity as CaCO3	ppm	94.70	94.70	94.70	NA	Naturally occurring soluble mineral salts.
Total Dissolved Solids	ppm	223.00	223.00	223.00	1000.00	Total dissolved mineral constituents in water.	

### Total Organic Compound <sup>(3)</sup>

Raw Water	7.54	6.58	8.90
Treated Water	3.24	4.22	2.10
Removal Ratio	1.51	1.02	2.05

### Byproducts

Disinfection	Contaminant	Units	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Violation	Likely Source of Contamination
	Chlorite	ppm	0.28	0.00 - 0.28	0.80	1.00	No	Byproduct of drinking water disinfection.
	Haloacetic Acids (HAA5)*	ppb	18.00	9.70 - 23.20	No goal for that total	60.00	No	Byproduct of drinking water disinfection.
	Total Trihalomethanes (TTHM)	ppb	48.00	31.50 - 92.40	No goal for that total	80.00	No	Byproduct of drinking water disinfection.

### Residual

Disinfection	Units	Average Level	Range of Levels Detected	MRDL	MRDLG	Violation	Likely Source of Contamination
Chloramine	ppm	3.03	0.90 - 4.00	4.00	4.00	No	Water additive used to control microbes.

(1) 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>. (2) 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. (3) The percentage of Total Organic Carbon (TOC) removal was measured each month and the system met all TOC removal requirements set, unless a TOC violation is noted in the violations section.