

Annual Drinking Water Quality Report

TX 1210001

City of Jasper

Annual Water Quality Report for the Period of January 1 to December 31, 2017

For More Information Contact
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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

Public Meeting
June 26, 2018
City Hall 9:00 a.m.

Este reporte incluye informacion important sobre el agua para tomar. Para asistencia en espanol, favor de llamar al telefono (409)384-4651

City of Jasper is Ground Water Information about source water assessments

A source water susceptibility assessment for your drinking water sources is currently being updated by the Texas Commission on Environmental Quality. This information describes the susceptibility and types of constituents that may come into contact with your drinking water source based on human activities and natural conditions. The information contained in the assessment allows us to focus source water protection strategies.

For more information about your sources of water, please refer to the source water assessment viewer available at the following url: <http://gis3.tosc.state.tx.us/awav/controller/index.jsp?wttrc>
Further details about source and source-water assessments are available in drinking water watch at the following url: <http://dww.tceq.texas.gov/DWW>

Source Water Name	Type of Water	Report Status	Location
10-S Bowie st.	GW	Active	South Bowie st.
6-Plant 2/Plywood Mill	GW	Active	HWY.63 East
8-Plant1/Calvert st.	GW	Active	North Main st.
9-Prison	GW	Active	HWY. 190 East

Water Quality Test Results

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.
million fibers per liter (a measure of asbestos)

not applicable

nephelometric turbidity units (a measure of turbidity)

pleocurries per liter (a measure of radioactivity)

micrograms per liter or parts per billion – or one ounce in 7,360,000 gallons of water

milligrams per liter or parts million – or one ounce in 7,350 gallons of water

MFL

Na:

NTU:

Pci/l

Ppb:

Ppm:

2017 Regulated Contaminants Detected

Coliform Bacteria

Maximum contaminant Level goal	Total coliform MCL	Highest # of Positive samples	Fecal coliform or e.coli MCL	Total # of positive e.coli Or fecal coliform samples	violation	Likely source of contamination
0	1	0	1	0	N	Naturally present in the environment

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	90 th Percentile	# sites over (AL)	Units	Violation	Likely Source of Contamination
Copper	03/14/2017	0.0163	1.3	0.644	0	ppm	N	Erosion of natural deposits
Lead	03/14/2017	0.0115	15	1.49	1	ppb	N	Corrosion of household plumbing Systems, erosion of natural deposits

Water Quality Test Results

Definitions

Avg:
 Maximum Contaminant level (MCL)
 Maximum Contaminant level goal (MCLG)
 Maximum residual disinfectant level or (MRDL)

the following tables contain scientific terms and measures, some of which may require explanation. regulatory compliance with some MCLs are based on running annual average of monthly samples.
 The highest level of a contaminant that is allowed in drinking water.
 The level of a contaminant in drinking water below which there is no known or expected risk to health.
 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.

Disinfectant Residual

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)	10/31/2017	2	0-3.5	N	60	ppb	N	By product of drinking water disinfection
Total Trihalomethanes (TTHM)	10/31/2017	2	0-5.7	N	80	ppb	N	Byproduct of drinking water disinfection
Inorganic Contaminants	Collection date	Highest level Detected	Range of levels detected	MCLG	MCL	Units	violation	Likely source of contamination
Barium	03/23/2017	0.0454	0.016 – 0.0454	2	2	ppm	N	Discharge of drilling waste
Fluoride	03/28/2017	0.94	0.18 – 0.94	4	4.0	ppm	N	Promotes strong teeth
Radioactive Contaminants	Collection date	Highest level detected	Range of levels detected	MCLG	MCL	Units	Violation	Decay of natural & man-made deposits
Beta/photon emitters	2017	5.4	0 – 5.4	0	4	Mrem/yr	N	Likely source of contamination
Combined Radium 226/228	05/25/2017	1.5	1.5 – 1.5	0	5	Pci/l	N	Erosion of natural deposits

Violations Table

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	Failed to provide sample results to the consumers within 30 days of us getting the results
Lead Consumer Notice	12/30/2017	7/26/2017	

Disinfectant Residual

Disinfectant Residual	Year	Average Level	Range of Levels	MRDL	MRDLG	Unit of Measure	Violation	Source in Drinking Water
	2017	0.74	.22 -2.20 Detected	4	4	10 mill	none	additive to control microbes