

2013 Annual Drinking Water Quality Report

(Consumer Confidence Report)

Bolivar Water Supply Corporation

(940) 458-3931

This report is intended to provide you with important information about your drinking water and the efforts made to provide safe drinking water.

SPECIAL NOTICE

You may be more vulnerable than the general population to certain microbial contaminants, such as *Cryptosporidium*, in drinking water. Immune-compromised person such as persons with cancer undergoing chemotherapy, those who have undergone organ transplants; those who are undergoing treatment with steroids; and people 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 your health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* are available from the Safe Drinking Water Hotline (1-800-426-4791).

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 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>.

The source drinking water used by Bolivar WSC is Ground Water

Information on Sources of 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 Contaminants that may be present in source

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

A Source Water Susceptibility Assessment for your drinking water source is currently being updated by the TCEQ. This info describes the susceptibility and types of constituents that may come into your drinking water source based on human activities and natural

conditions. The info contained in the assessment allows us to focus source water protection strategies.

En Español

Este informe contiene información muy importante sobre el agua que usted bebe. Por favor hable a (940)-458-3931(ext. 2) - para hablar con una persona bilingüe en español.

PUBLIC PARTICIPATION OPPORTUNITIES

Board of Directors Meeting:

DATE: Second Thursday of Each Month
TIME: 7:00 pm
LOCATION: 4151 FM 455 West, Sanger, TX 76266
Phone: (940) 458-3931

ALL drinking water may contain contaminants.

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 (1-800-426-4791).

For more information regarding this report contact James Parkman at 940-458-3931, ext 6.

Secondary Constituents:

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 causes for health concern. Therefore, secondary's are not required to be reported in this document but they may greatly affect the appearance and taste of your water.

Water Quality Test Results

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

Maximum Contaminant Level (MCL)

The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLG 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 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 contamination.

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, which a water system must follow.

NTU: Nephelometric turbidity units (a measure of turbidity)

pCi/L: Picocuries per liter (a measure of radioactivity)

2013 Regulated Contaminants Detected

Regulated Contaminants

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)	5/5/2010	4.9	0 - 4.9	No goal for the total	60	ppb	N	By-Product of drinking water chlorination.

Total Trihalomethanes (TThm)	5/5/2010	12.9	0 - 12.9	No goal for the total	80	ppb	N	By-product of drinking water chlorination.
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Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Source of Contaminant
Antimony	02/16/2011	0.386	0 - 0.386	6	6	ppb	N	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder, test addition.
Arsenic	02/16/2011	1013	.0433 - 1.13	0	10	ppb	N	Erosion of natural deposits; runoff from orchards; runoff from glass & electronics production waste.
Barium	02/16/2012	0.09	0.00428-0.09	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Chromium	02/16/2011	6.14	2.17 - 6.14	100	100	ppb	N	Erosion of natural deposits.
Cyanide	05/04/11	11	11 - 11	200	200	ppb	N	Discharge from plastic and fertilizer factories; discharge from steel/metal factories.
Fluoride	04/04/12	0.2	0.2 - 0.2	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]	2013	0.07	.01 - 0.07	10	10	ppm	N	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.
Selenium	02/16/2011	1.64	0 - 1.64	50	50	ppb	N	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines.
Thallium	02/16/2011	0.034	0 - 0.034	0.5	2	ppb	N	Discharge from electronics, glass, and leaching from ore-processing sites. Drug factories.

*EPA considers 50 pCi/L to be the level of concern for beta particles.

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Beta/photon emitters	3/04/2010	4.1	0 - 4.1	0	50	pCi/L	N	Erosion of natural deposits

Combined Radium 226/228	03/04/2010	0.94	0.79 - 0.94	0	5	pCi/L	N	Erosion of natural deposits.
Gross Alpha Compliance	03/04/2010	5	0 - 5	0	15	pCi/L	N	Erosion of natural deposits.

Information about Source Water Assessments:

A Source Water Susceptibility Assessment for your drinking water source is currently being updated by the TCEQ. This info describes the susceptibility and types of constituents that may come into your drinking water source based on human activities and natural conditions. The info 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.tceq.state.tx.us/swav/Controller/index.jsp?wtrsrc=>

Further details about sources 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
1 – Bolivar PS / Sam Bass Rd	GW	<u>Active</u>	<u>Trinity Aquifer</u>
3 - Lois PS / (FM 247/Miller Rd)	GW	<u>Active</u>	<u>Trinity Aquifer</u>
5 – Canyon Lake PS / Canyon Lake Rd	GW	<u>Active</u>	<u>Trinity Aquifer</u>
7 – Vista Acres PS / N of Krum on Indian Trail	GW	<u>Active</u>	<u>Trinity Aquifer</u>
8 – Kit Carson PS / W Lone Oak Rd	GW	<u>Active</u>	<u>Trinity Aquifer</u>
9 – Taylor McCarroll / CR 2740 & FM 455	GW	<u>Active</u>	<u>Trinity Aquifer</u>
10 – Fortenberry PS / FM 2470 & FM 455W	GW	<u>Active</u>	<u>Trinity Aquifer</u>
11A – Green Valley PS / Sheppard Rd	GW	<u>Active</u>	<u>Trinity Aquifer</u>
11B – Green Valley PS / Sheppard Rd	GW	<u>Active</u>	<u>Trinity Aquifer</u>
12 – Riekrich 1 / Donald Rd	GW	<u>Active</u>	<u>Trinity Aquifer</u>
13 – Spindle PS / Nance Rd	GW	<u>Active</u>	<u>Trinity Aquifer</u>
15 – Odom PS / Odom Rd & b CR 2450	GW	<u>Active</u>	<u>Trinity Aquifer</u>
16 – Woolard PS / E of I-35 off Lois Rd	GW	<u>Active</u>	<u>Trinity Aquifer</u>
17 - Plainview PS / Plainview Rd & CR 1173	GW	<u>Active</u>	<u>Trinity Aquifer</u>
18 – Miller PS / (FM 247/Miller Rd)	GW	<u>Active</u>	<u>Trinity Aquifer</u>
19 – Teague PS / FM 2450 & Davidson Rd	GW	<u>Active</u>	<u>Trinity Aquifer</u>
20 – Shifflett PS / FM 1173 W of Krum	GW	<u>Active</u>	<u>Trinity Aquifer</u>

Violation Table

Chlorine		
Some people who use water containing chlorine well in excess of the MRDL could experience irritating effects of their eyes and nose. Some people who drink water containing chlorine well in excess of the MRDL could experience stomach discomfort.		
Violation Type	Violation Begin	Violation End
Disinfectant Level Quarterly Operating Report (DLQOR)	01/01/2013	03/31/2013
Violation Explanations: We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.		
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 corrosion of lead and copper containing plumbing materials		
Violation Type	Violation Begin	Violation End
FOLLOW-UP OR ROUTINE TAP M/R (LCR)	10/01/2013	03/24/2014
Violation Explanations: We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.		

Steps to Correct Violations

Bolivar WSC took necessary steps to send the reports in manually and followed other TCEQ procedures to be in compliance. No real threat of contamination occurred.

LEAD CONSUMER NOTICE (LCR)	12/30/2013	2013
Violation Explanations: We failed to provide the results of lead tap water monitoring to the consumers at the location water was tested. These were supposed to be provided no later than 30 days after learning the results.		

Steps to Correct Violations

Bolivar WSC took necessary steps to send the reports in manually and followed other TCEQ procedures to be in compliance. No real threat of contamination occurred.