

2016

Annual Drinking

Water Quality Report

(Consumer Confidence Report)

East Central Special Utility District

(Palm Park System)

Phone No: 210-649-2383

2017

Our Drinking Water

Meets or Exceeds All Federal (EPA) Drinking Water Requirements

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.

ALL drinking water may contain contaminants.

When drinking water meets federal standards there may not be any health based benefits to purchasing bottled water or point of use devices. 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).

WATER SOURCES: 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 include: microbes, inorganic contaminants, pesticides, herbicides, radioactive contaminants, and organic chemical contaminants.

Where do we get our drinking water?

Our drinking water is obtained from San Antonio Water System. It comes from the Edwards South BFZ and Carrizo Aquifers. A Source Water Susceptibility Assessment for your drinking water sources(s) is currently being updated by the Texas Commission on Environmental Quality and will be provided to us this year. The report will describe 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 will allow us to focus on source water protection strategies. For more information on source water assessments and protection efforts at our system, please contact us.

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, secondaries are not required to be reported in this document but they may greatly affect the appearance and taste of your water.

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. (210) 649-2383 par hablar con una persona bilingue en espanol.

About The Following Pages

The pages that follow list all of the federally regulated or monitored contaminants which have been found in your drinking water. The U.S. EPA requires water systems to test for up to 97 contaminants.

In the following tables you may find many terms and abbreviations you might not be familiar with. To help you better understand these terms we have provided the following definitions and abbreviations:

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 Contaminant Level (MCL): The highest permissible level of a contaminant in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

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 ó Nephelometric Turbidity Units

MFL ó million fibers per liter (a measure of asbestos)

pCi/Ló picocuries per liter (a measure of radioactivity)

ppm ó parts per million, or milligrams per liter (mg/L)

ppb ó parts per billion, or micrograms per liter (ug/L)

ppt – parts per trillion, or nanograms per liter

ppq ó parts per quadrillion, or picograms per liter

Inorganic Contaminants

Contaminant	Year	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Source of Contaminant
Antimony	2014	<0.001	0 ó< 0.001	6	6	ppb	N	Discharge from petroleum refineries; fire retardants; ceramics s electronics; solder; test addition.
Arsenic	2016	<0.002	0 ó< 0.002	0	10	ppb	N	Erosion of natural deposits, Runoff of orchards; Runoff from glass and electronics production wastes
Barium	2016	0.1469	0.0307 ó 0.0293	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Beryllium	2016	<0.0008	0 ó< 0.0008	4	4	ppb	N	Discharge from metal refineries and coal burning factories; Discharge from electrical, aerospace, and defense industries.
Cadmium	2016	0.0034	0 ó 0.0034	5	5	ppb	N	Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; runoff from waste batteries and paints
Chromium	2016	<0.01	0. ó< 0.001	100	100	ppb	N	Discharge from steel and pulp mills; Erosion of natural deposits
Fluoride	2016	0.67	0.1 ó 0.67	4	4	ppm	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Nitrate	2016	2	1.87 ó 1.87	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrite	2016	<0.010	0 - 0.010	1	1	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Selenium	2016	<0.003	0 ó< 0.003	50	50	ppm	N	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines.
Thallium	2016	<0.0004	0 ó< 0.0004	0.5	2	ppb	N	Discharge from electronics, glass, and leaching from ore-processing sites; drug factories

Radioactive Contaminates

Contaminant	Year	Highest Detected Level	Range of Detected Levels	MCLG	MCL	Units	Violation	Source of Contaminant
Beta/photon emitters	2016	<4.0	0 ó<4.0	0	4	mrem/yr	N	Decay of natural & man-made Deposits
Combine Radium 226/228	2016	<1.0	0 ó<1.0	0	5	pCi/L	N	Erosion of natural Deposits
Gross alpha excluding radon & uranium	2016	<3.0	0 ó<3.0	0	15	pCi/L	N	Erosion of natural Deposits

Synthetic organic contaminates including pesticides & herbicides

Contaminant	Year	Highest Detected Level	Range of Detected Levels	MCLG	MCL	Units	Violation	Source of Contaminant
2,4,5-TP (silvex)	2016	<0.2	0 – <0.2	50	50	ppb	N	Residual of band herbicide
Alachlor	2016	<0.1	0 – <0.1	0	2	ppb	N	Runoff of herbicide used on row crops
Heptachlor	2016	<0.02	0 – <0.02	0	.04	ppb	N	Runoff from herbicide use on right of ways

Volatile Organic

Contaminants	Year	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Source of Contaminant
1,1,1-Trichloroethane	2016	<0.5	0 – <0.5	200	200	ppb	N	Discharge from metal degreasing sites and other factories
1,1,2-Trichloroethane	2016	<0.5	0 – <0.5	3	5	ppb	N	Discharge from industrial chemical factories
Benzene	2016	<0.5	0 – <0.5	0	5	ppb	N	Discharge from factories; Leaching from gas storage tanks & landfills.

Maximum Residual Disinfectant Level

Systems must complete and submit disinfection data on the Disinfection Level Quarterly Operating Report (DLQOR). On the CCR report, the system must provide disinfectant type, minimum, maximum and average levels.

Year	Disinfectant	Average Level	Minimum Level	Maximum Level	MRDL	MRD LG	Violation	Unit of Measure	Source of Chemical
2016	Chlorine (Free)	1.01	.3	2.6	4.0	<4.0	N	ppm	Disinfectant used to control microbes.

Disinfectants and Disinfection By-Products

Disinfection By-Products	Year	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Haloacetic Acids	2016	1.0	1 – 1	No Goal	60	ppb	N	By-Product of Drinking water chlorination
Trihalomethanes	2016	6	5.7 – 5.7	No Goal	80	ppb	N	By-Product of Drinking water chlorination

Lead and Copper

Contaminant	Year	90 th Percentile	Action Level	Number of Sites Exceeding Action Level	Unit of Measure	Violation	Possible Source
Lead	2014	1.8	15	0	ppb	N	Corrosion of household plumbing systems; erosion of natural deposits.
Copper	2014	0.085	1.3	0	ppm	N	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.

Recommended Additional Health Information for Lead

All water systems are required by EPA to report the language below starting with the 2009 CCR to be delivered to you by July of 2015. We are providing this information now as a courtesy.

"If present, elevated levels of leads 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. This water supply is 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>."

Turbidity NOT REQUIRED

Total Coliform REPORTED MONTHLY TESTS FOUND NO COLIFORM BACTERIA

Fecal Coliform REPORTED MONTHLY TESTS FOUND NO FECAL COLIFORM BACTERIA

**SPECIAL NOTICE FOR THE ELDERLY, INFANTS, CANCER PATIENTS,
PEOPLE WITH HIV/AIDS OR OTHER IMMUNE PROBLEMS:**

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, 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 their health care providers. The EPA/Centers for Disease Control and Prevention (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 (1-800-426-4791).

PAYMENTS NOW AVAILABLE ONLINE!

It is now available to pay your bill online via our website at www.eastcentralsud.org. There is no charge to pay online or over the phone with your debit or credit card. It is also available to set your payments up to automatically pay your bill on the 10th of each month.

CLOSED SYSTEM INFORMATION

In all new meter installations and meter replacements a check valve is installed creating a closed system.

A **closed system** is created when an approved backflow prevention assembly or a check valve (not approved for backflow prevention) is installed at a customer's service connection. The backflow prevention assembly or check valve does not allow water to flow backwards from the customer's private water system into the Public Water System's distribution. **Thermal expansion** is a result of heating water. When water is heated, its density decreases and its volume expands. Backflow prevention assemblies and other one-way valves installed at a customer's service connection eliminate a path for expanded water to flow back to the distribution system, resulting in increased system pressure. This increase in pressure can result in: pressure surges, dripping faucets, chronic or continuous dripping of temperature and pressure relief valves on hot water heating tanks, and other mechanical problems with hot water heating tanks, including distortion and rupture.

Shut Off Valve

The customer must have a shut off valve on the customer's side of the water meter to use in case of an emergency. The angle stop on the District's side of the meter is for the District's use only, and to be used by authorized personnel only. If the customer used the District's valve and breaks or damages it, they will be billed to fix it.

Conclusion

We want you to be knowledgeable and comfortable with the information about what's in your drinking water. We are all aware of our responsibility to you to deliver safe, clean water every day, and to guard and care for the source of that water.

If you have any questions about this report or any other issue(s) concerning your water utility, please contact the Manager, Albert Strzelczyk at (210) 649-2383 or (800) 354-2383. If you would like to learn more please go to our web site www.eastcentralsud.org or you are welcomed to attend any of our regularly scheduled Board meetings. They are held on the second Thursday of every month, at 7:30pm at East Central SUD, 5520 FM 1628, Adkins, Texas.