Public Input Opportunity

Your water board meets at
12:00 pm on the second Wednesday
of each month at
1825 N. Mason Road
Katy, Texas 77449

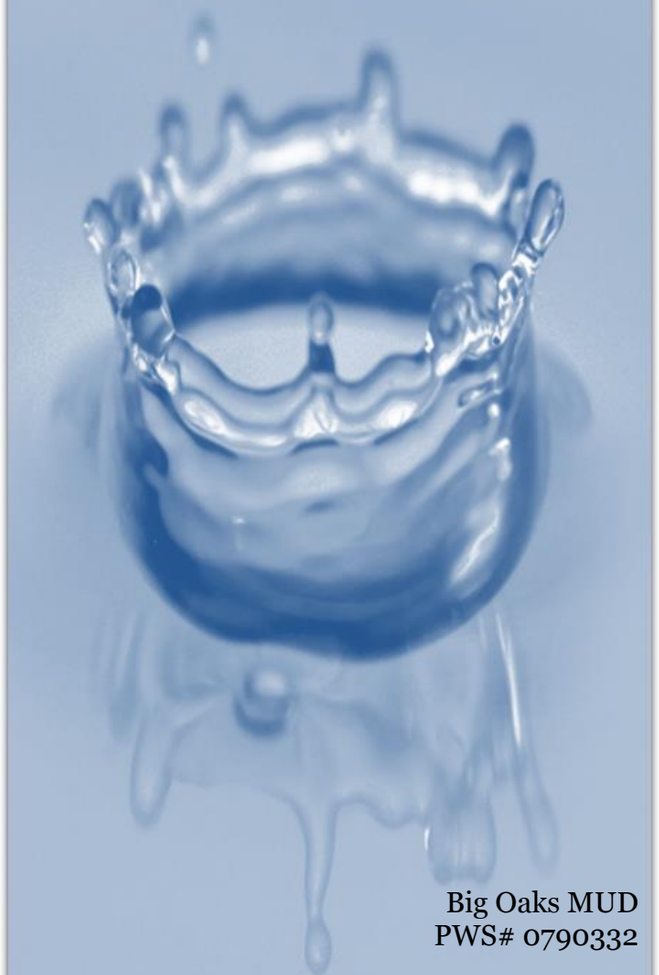
To learn about future public meetings (concerning your drinking water) or to request to schedule one, please call us at (281) 367-5511.

En Español

Este reporte incluye informacion importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono (281) 367-5511.

2016 Annual Drinking Water Quality Report

(Consumer Confidence Report)



Big Oaks MUD
PWS# 0790332

BIG OAKS MUD

Our Drinking Water Meets or Exceeds All Federal 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 on the back of this form. We hope this information helps you become more knowledgeable about what's in your drinking water.

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: 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 be naturally occurring or be the result of oil and gas production and mining activities.

ALL drinking water may contain contaminants

When drinking water meets federal standards there may not be any healthy 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).

Special Notice for the Elderly, Infants, Cancer Patients, People with HIV/AIDS or Other Immune Problems

You may be more vulnerable than the general population to certain microbial contaminants, such as Cryptosporidium, in drinking water. Infants, some elderly, or immuno-compromised persons such as those undergoing chemotherapy for cancer; those who have undergone organ transplants; those who are undergoing treatment with steroids; and people with HIV/AIDS or other immune system disorders can be particularly at risk for infections. You should seek advice about drinking water from your physician or health care provider. Additional guidelines on appropriate means to lessen the risk of infection by Cryptosporidium are available from the Safe Drinking Water Hotline: (800-426-4791).

Where Do We Get Our Water?

Our water comes from the Evangeline Aquifer and through an open interconnect with North Fort Bend Water Authority. The Texas Commission on Environmental Quality 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 the susceptibility and previous sample data. Any detection of these contaminants will be found in this Consumer Confidence Report. For more information on source water assessments and protections efforts at our system, please contact John Montgomery of our Regulatory Compliance Department at (281) 367-5511.

About the Tables

The attached table contains all of the chemical contaminants which have been found in your drinking water. The U.S. EPA requires water systems to test for up to 97 contaminants. All contaminants detected in your water are below state and federal allowed levels. The state of Texas allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently.

DRINKING WATER DEFINITIONS & UNITS DESCRIPTION

ABBREVIATIONS / DEFINITIONS

MCLG	**Maximum Contaminant Level Goal-** The level of a contaminant in drinking water below which there is no known or expected health risks. MCLGs allow for a margin of safety.
MCLG	**Maximum Contaminant Level-** The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
MRDLG	**Maximum Residual Disinfection Level Goal-** The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

ABBREVIATIONS / DEFINITIONS

MRDL	**Maximum Residual Disinfection Level-** 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.
Avg	Regulatory compliance with some MCLs are based on running annual average of monthly samples.
N/A	Not applicable **ND** Not Detected
pCi/L	Picocuries per liter (a measure of radioactivity)
ppm	parts per million, or milligrams per liter(mg/L) or one ounce in 7,350 gallons of water.
ppb	parts per billion, or micrograms per liter (ug/L) or one ounce in 7,350,000 gallons of water
NTU	Nephelometric Turbidity Unit

Information from Big Oaks MUD (PWS # 0790332)

Maximum Residual Disinfectant Level

Year	Contaminant	Average Level	Minimum Level	Maximum Level	MRDL	MRDLG	Units	Violation	Source of Contaminant
2016	Chlorine Residual (Total)	1.65	1.68	3.02	4	4	ppm	No	Disinfectant used to control microbes.

Inorganic Contaminants

Year	Contaminant	Average Level	Minimum Level	Maximum Level	MRDL	MRDLG	Units	Violation	Source of Contaminant
2016	Barium	0.0728	0.0728 - 0.0728		2	2	ppm	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
2014	Fluoride	0.32	0.32 - 0.32		4	4	ppm	No	Erosion of natural depsoits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
2015	Nitrite	0.02	.02 - .02		1	1	ppm	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural depsoits.
2016	Nitrate	1	0.65 - 0.65		10	10	ppm	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural depsoits.

Disinfectants By-products[1]

Year	Contaminant	Highest Level	Range of Detected Levels	MCL	MCLD	Units	Violation	Source of Contaminant
2016	Haloacetic Acids	39	39.4 - 39.4	60	No goal for the total	ppb	No	By-products of drinking water disinfection.
2016	Total Trihalomethanes	49	49.1 - 49.1	80	No goal for the total	ppb	No	By-products of drinking water disinfection.

[1] *This evaluation is sampling required by EPA to determine the range of Total Trihalomethanes in the system for future regulatios. The samples are not used for compliance, and may have been colected under non-standard conditions;EPA requires the data to be reported here. Please contact your water system represtative if you have any questions.*

Unregulated Contaminants[2]

Year	Contaminant	Highest Level Detected	Range of Detected Levels	Average Level	MCL	Units	Violation	Source of Contaminant
2015	Bromodichloromethane	9.4	6.9 - 9.4	8.2	100.0	ppb	No	By-product of drinking water chlorination.
2015	Chloroform	30.0	21.6 - 30.0	25.8	100	ppb	No	By-product of drinking water chlorination.
2015	Dibromochloromethane	2.1	1.2 - 2.1	1.7	100	ppb	No	By-product of drinking water chlorination.

[2] *Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted. Any unregulated contaminants detected are reported in the follow table. For additional information and data visit http://www.epa.gov/safewater/ucmr/ucmr2/index.html, or call the Safe Drinking Water Hotline at (800) 426-4791.*

Radioactive Contaminants

Year	Contaminant	Average Level	Minimum Level	Maximum Level	MCL	MCLD	Units	Violation	Source of Contaminant
2014	Beta/photon emitters	4.5	4.5 - 4.5		50	0	pCi/L	No	Decay of natural and man-made deposits.
2014	Combined Radium 226/228	3	3.0 - 3.0		5	0	pCi/L	No	Erosion of natural depsoits
2014	Gross alpha excluding radon and uranium	3	3.0 - 3.0		15	0	pCi/L	No	Erosion of natural depsoits

Lead and Copper

Year	Contaminant	The 90th Percentile	Number of Sites Excluding Action Level	MCLG	Action Level	Unit of Measure	Violation	Source of Contaminant
2014	Copper	0.245	0	1.3	1.3	ppm	No	Corrosion of household plumbing system
2014	Lead[3]	Less than Detection Limit	Less than Detection Limit	0	15	ppb	No	Corrosion of household plumbing system

[3] *Additional Health Information for Lead.:"If present, elevated levels of lead can cause serious health problems, especially for pregnant and young children, Lead in drinking water is primarily from materials used in plumbing components associated with service lines and home plumbing. This water supplyis responsible for providing high quality drinking water, but cannot control 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 expo sure is available from Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead."*

Turbidity

NOT REQUIRED

Total Coliform/Fecal Coliform

REPORTED MONTHLY TESTS FOUND NO TOTAL COLIFORM BACTERIA.
REPORTED MONTHLY TESTS FOUND NO FECAL COLIFORM BACTERIA.

From January - December 2016, Big Oaks MUD received surface water through an open interconnect with the North Fort Bend Water Authority (NFBWA). The following table contains all the chemical contaminants found in the NFBWA's water supply. If you have any additional questions regarding the water supply, please call (281) 367-5511.

Information from NFBWA - City of Houston EP081 Southwest & EP001 EWPP 1&2 (Interconnect) (PWS # 0790511)

Inorganic Contaminants

Year	Contaminant	Highest Level Detected	Range of Detected Levels	MCL	MCLG	Units	Violation	Source of Contaminant
2012	Arsenic	2	2.0 - 2.0	10	0	ppb	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
2012	Barium	0.105	0.105 - 0.105	2	2	ppm	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
2015	Fluoride	0.29	.29 - .29	4.0	4	ppm	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
2016	Nitrate	0.19	0.19 - 0.19	10	10	ppm	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
2014	Nitrite	0.01	0.01 - 0.01	1	1	ppm	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

Disinfectant By-Products

Year	Contaminant	Detected	Range of Detected Levels	MCL	MCLG	Units	Violation	Source of Contaminant
2014	Haloacetic Acids	12	12.4 - 12.4	60	0	ppb	No	By-products of drinking water disinfection.
2016	Total Trihalomethanes[4]	45	44.5 - 44.5	80	0	ppb	No	By-products of drinking water disinfection.

[4] This evaluation is sampling required by EPA to determine the range of total Trihalomethanes in the system for future regulations. The samples are not used for compliance, and may have been collected under non-standard conditions; EPA requires the data to be reported here. Please contact your water system representative if you have any questions.

Radioactive Contaminants

Year	Contaminant	Highest Level Detected	Range of Detected Levels	MCL	MCLG	Units	Violation	Source of Contaminant
2012	Beta/photon emitters	4.10	4.1 - 4.1	50	0	pCi/L*	No	Decay of natural and man-made deposits.

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

Synthetic organic contaminants including pesticides and herbicides

Year	Contaminant	Highest Level Detected	Range of Detected Levels	Average Levels	MCLG	Units	Violation	Source of Contaminant
2014	Altrazine	0.19	0.19 - 1.19	3.0	3	ppb	No	Runoff from herbicide used on row crops.

Turbidity

NOT REQUIRED

Total Coliform/Fecal Coliform

REPORTED MONTHLY TESTS FOUND NO TOTAL COLIFORM BACTERIA.

REPORTED MONTHLY TESTS FOUND NO FECAL COLIFORM BACTERIA.

Water Loss

In the water loss audit submitted to the Texas Water Development Board for the time period of Jan-Dec 2016, our system produced 207,141,532 gallons of water and lost approximately 7.85 %.

If you have any questions about the water loss audit please call (281) 367-5511.

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.

Outdoor Water Conservation Tips:

- To keep your lawn healthy during the summer months - it only takes 1" of water a week.
- During the hot summer months, try to water in the early morning or late evening.
- In hot summer months, set your lawn mower to a higher setting, because taller grass helps hold in moisture. Cutting your grass too short can cause you to water more and can cause the grass to burn easier.
- Set your sprinkler system to a timer and adjust during the different seasons.

Indoor Water Conservation Tips:

- To save on water and energy, always run your dishwasher with a full load.
- Take a shower instead of a bath.
- Check for leaks in your toilets and faucets. (A helpful hint is to schedule this for every six months when you are checking your smoke detectors.)
- When brushing your teeth, shaving, or washing your hands, only run the water when it is time to rinse.