D & M Water Supply Corporation 2017 Water Quality Report

Consumer Confidence Report PWS ID Number: TX1740010

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.

For more information regarding this report contact: General Manager Robert Shumate at 936-559-9900. Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al teléfono (936)559-9900.

Where do we get our drinking water? The sources of drinking water used by D & M WSC are Ground Water and Surface Water. Ground Water comes from the Wilcox-Carrizo Aquifer. Surface Water comes from Lake Nacogdoches and is purchased from the City of Nacogdoches. The TCEQ completed an assessment of your source water and results indicate that some of your sources are susceptible to certain contaminants. The sampling requirements for your water system is based on this susceptibility and previous sample data. Any detections of these contaminants may be found in this Consumer Confident Report. For more information on source water assessments and protection efforts at our system, contact Robert Shumate, General Manager 936-559-9900. For more information about your sources of water, please refer to the Source Water Assessment Viewer available at the following URL:

https://gisweb.tceq.texas.gov/swav/Controller/index.jsp?wtrsrc=. Further details about sources and source-water assessments are available in Drinking Water Watch at the following URL: http://dww2.tceq.texas.gov/DWW/JSP/WaterSystem. Water loss for our water system was less than 21.8 % for 2017.

SOURCES OF DRINKING 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 animals or from human activity.

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 at (800) 426-4791. Contaminants that may be present in source water 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 demostic upstructure discharges, all and gas production mining, or forming

industrial or domestic wastewater discharges, oil and gas production, mining, or farming.

Pesticides and herbicides, which might have 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. In order to ensure that tap water is safe to drink, the EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health. Contaminants may be found in drinking water that may cause taste, color, or odor problems. These types of problems are not necessarily causes for health concerns. For more information on taste, odor, or color of drinking water, please contact the system's business office. You may be more vulnerable than the general population to certain microbial contaminants, such as Cryptosporidium, in drinking water. Infants, some elderly, or immunocompromised persons such as those undergoing chemotherapy for cancer; persons 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 from infections. You should seek advice about drinking water from your physician or health care providers. Additional guidelines on appropriate means to lessen the risk of infection by Cryptosporidium are available from the Safe Drinking Water Hotline (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. D & M Water Supply is 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 (800) 426-4791 or at http://www.epa.gov/safewater/lead.

PUBLIC PARTICIPATION OPPORTUNITES

The public may attend Board of Director meetings. The next meeting is: July 19, 2018 at 6:30 p.m. Regular meetings are the 3rd Thursday of each month. For a current schedule and meeting notices please visit http://www.dmwater.org/board-meetings or call 936-559-9900. If you are interested in serving as a director please contact us for details.

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Total Coliform REPORTED MONTHLY TESTS FOUND 1 POSITIVE MONTHLY SAMPLE FOR TOTAL COLIFORM BACTERIA. REPEAT													
SAMPLING RETURNED NEGATIVE.													
	Total coliform bacteria are used as indicator of microbial contamination of drinking water because testing for them is easy. While not disease-causing organisms themselves, they are often found in association with other microbes that are capable of causing disease. Coliform bacteria are more hardy than many disease-causing organisms; therefore,												
they are often found in association with other microbes that are capable of causing disease. Coliform bacteria are more hardy than many disease-causing organisms; therefore, their absence from water is a good indication that the water is microbiologically safe for human consumption.													
Secondary and Unregulated Constituents: Unregulated contaminants are those for which the 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 regulations are warranted.													
Average Range of													
Substance		Date	Level	Levels	Un	its	Limit	Likely Source of Contamination					
Aluminum		2017	0.01	<0.005 – 0.0096	pp	m	0.2	Abundant naturally occurring element.					
Barium		2017	0.137	0.018 – 0.063	pp	m	2						
Bicarbonate		2017	191.2	64.6 - 390	pp	m	na	Corrosion of carbonate rocks such as limestone.					
Calcium		2017	2.5	0.659 - 3.76	pp	m	na	Abundant naturally occurring element.					
Chloride		2017	19.13	16.2 - 20.7	pp	m	na	Abundant naturally occurring element.					
Magnesium		2017	1.64	< 0.2 - 2.65	pp	m	na	Abundant naturally occurring element.					
Manganese		2017	0.011	<0.001 – 0.28	pp	m	na	Naturally occurring element; runoff from landfills, compost, brush or silage piles, or chemicals such as gasoline.					
Potassium		2017	2.861	0.883 - 4.22	pp	m	na	Abundant naturally occurring element.					
Sodium		2017	119.4	52.7 - 219	pp	m	na	Abundant naturally occurring element. Run-off from road salt, fertilizers, industry waste, or sewage.					
Sulfate		2017	62.0	51.7 – 77.2	pp	m	na	Abundant naturally occurring element.					
Alkalinity, Total		2017	197.533	64.6 - 409	pp	m	na	Alkalinity is the capacity of water to neutralize acids.					
Hardness CACO3 (Calcium/Magnesiu	m) 2	2014 - 2016	10.1625	1.47 – 20.8	pp	m	na	Hardness is a measure of the amount of calcium and magnesium in the water. Guide: Soft 0-17; Slightly hard 17-60; Moderately hard 60-120; Hard 120-180; Very hard >180.					
Total Dissolved Solids (TDS)		2017	324.667	172 - 541	pp	m	1000	Inorganic salts (principally calcium, magnesium, potassium, sodium, bicarbonates, chlorides, and sulfates) and some small amounts of organic matter that are dissolved in water.					

Purchased Water	Source		Type of Water				S	Location				
From the City of Nac https://www.ci.nacogdoche							e	Lake Nacogdoches and Wilcox-Carrizo Aquifer				
Water Quality Test Results	2017 Regulated	Contaminants City of N	acogdoches for	more information	concerning t	his report pl	ease conta	act The Water Utilities Manager at (936) 564-5046.				
Inorganic Contaminants	Date	Highest Level	Minimum Maximum Level Level MCL M		MCLG	Units	Likely Sources					
Arsenic	2017	< 0.001	< 0.001		< 0.001		10	0.001	ppb	Erosion of natural deposits.		
Cyanide	2017	n/d	n/d		0.02	0.02	ppb	Discharge from plastic and fertilizer factories; discharge from steel/metal factories.				
Fluoride	2017	0.586	0.161		0.161		4	4	ppm	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.		
Nitrate measured as Nitrogen	2017	0.184	0.0134		0.0134		0.0134 10		ppm	Runoff from fertilizer use/ leaching from septic tanks, sewage; erosion of natural deposits.		
Combined Radium	2017	1.5	1.5		1.5		1.5 5		5	0	pCi/L	Erosion of natural deposits.

Disinfectant Date		A	Average Level	Minimum Level		Maximum Level) MR	DL Unit		Like	Likely Sources		
Chloramines	2017		3.45		2.1 – 4.	7	4	<4	.0	ppm	Disi	Disinfectant to control microbes.		
Disinfection By-Products D			Average Le	evels	Minimur Level		imum evel	MCL	M	CLG	Units	Likely Sources		
Total Haloacetic Ac	vids	2017	24.2		8.	9 - 39.5		60		0	ppb	By-product of drinking water chlorination.		
Total Trihalomethanes 2		2017	26.85	13.9 - 39.8			80	80 0		ppb	By-product of drinking water chlorination.			
Total Trihalomethan	nes (TTHN	A) Pub	olic Notice: https	s://ww	w.ci.nacog	gdoches.tz	x.us/Do	cumentC	ente	er/Viev	w/1673/	/tthm?bidId=		
Some people who drin systems, and may have		0	·		ss of the M	CL over m	any year	s may exp	periei	nce pro	blems w	ith their liver, kidneys, or central nervous		

Violation Type Violation Begin			in Violation End Violation Explanation										
MCL Average	1/1/20 4/1/20												
Total Coliform: Tot				•	`					testing for them is easy. While not			
disease-causing organ	nisms th 1y diseas	emselves,	they are often	found in	association with	other mic	crobes that	t are ca	pable of caus	er is microbiologically safe for			
Substance		Date	MCL		ighest Monthly #	of positiv	amplag	Unit	of Mooguro	Likely Sources			
Total Coliform Bact	eria	2017	5% of monthly		e sampies		of Measure	Naturally occurring in the environmen					
			-		FECAL COLIFO	ORM BACT	TERIA.	ſ					
	up bacte	riological	samples came	back with	n no total colifor	m bacteri	a found.	You do	not need to b	eriod of 11/01/2004 – oil your water or obtain alternative			
Lead and Copper	Dat	P	The 90 th	# of Sit	es Exceeding	Action Le			y Sources				
Lead (ppb)	201	P	Percentile 0.00146	Act	ion Level	0.0		Corros	ion of househo	old plumbing systems; erosion of natural			
Copper (ppm)	201	7	0.286		0	1.	3		ion of househo	old plumbing systems; erosion of natural om wood preservatives.			
and components associa materials used in plumb 2 minutes before using	ated with bing comp water for	service lines oonents. Wh drinking an	s and home plui en your water h d cooking. If yo	nbing. This as been sit	s water supply is re- ing for hours, you erned about lead in	esponsible can minin your wate	for providi nize the por er, you may	children ing high tential fo wish to	n. Lead in drinl quality drinkin or lead exposure have your wat	king water is primarily from materials g water but cannot control the variety o e by flushing your tap for 30 seconds to ter tested. Information on lead in http://www.epa.gov/safewater/lead.			
Turbidity is a meas	urement	of the clo	udiness of the	water cau	sed by suspende	ed particle	s. We me	onitor it	because it is	a good indicator of water quality			
and the effectivenes	s of our	filtration.	ghest Single		Monthly % of	- T			1				
Substance	Dat		easurement		Meeting Limits		Limits Units		Likely Sou				
Turbidity	201	7	0.08		eadings were at or elow 0.3	0.3	NT	U Soil Runoff.					
	e occurre	ence of unreg ng Water Ho	gulated contami	nants in dr 4791. Averag	e Range		ure regulat			contaminant monitoring is to assist Iditional information and data visit			
Chloroform		20)17	Levels 15.65		8 - 27.9		ppb	•	f drinking water chlorination.			
Bromodichloremetha	ane)17	12.25		3-11.9		ppb	• •	f drinking water chlorination.			
Dibromochlorometh)17	2.25		8-4.89		ppb	By-product of drinking water chlorination.				
Secondary and Oth	or Unre	milated C	'onstituents ()	No associ	atad haalth affa	ote)							
Substance		0	ate	Averag	e Range	of Levels	1	Units	Likely Sou	rces			
Aluminum)17	Levels 0.25	-	- 0.25			·	urally occurring element			
Bicarbonate)17	81.65				ppm ppm	Corrosion of carbonate rocks such as limestor				
Chloride)17	7.265		- 12.6		ppm	Abundant nat	urally occurring element; used in water by-product of oil field activity.			
Copper		20)17	0.0897	< 0.005	5-0.532		ppm	Corrosion of household plumbing systems; et natural deposits; leaching from wood preserv				
Hardness as Ca/Mg		20)17	17.26	1.31	- 33.2		ppm	_	curring calcium and magnesium.			
Iron)17	0		1.31 - 33.2 0.0 - 0.0				ppm	Erosion of natural deposits iron or steel wate delivery		
Lead		20)17	0.0012	5 <0.0005	5-0.0094		5-0.0094		ppm		household plumbing systems; erosion o its.	
Manganese		20)17	0.0016	0.0016	5 -0.0016		ppm	Abundant naturally occurring element.				
Nickel		20)17	0		0		ppm		tural deposits.			
pH	2017 8.2		7.8	7.8 -8.6			inits Measure of corrosiveness of water.						
Sodium		20)17	16.9		- 16.9		Activity.		tural deposits; by-product of oil field			
Sulfate)17	20.12		4 - 36.3		ppm	Naturally occurring; common industrial by-prod by-product of oil field.				
Total Alkalinity as C)17	<20		-		ppm	Naturally occurring soluble mineral salts.				
Total Dissolved Soli	lds)17	139		- 182		ppm		ed mineral constituents in water.			
Zinc	1	20)17	0.05	0.05	-0.05	1	ppm	Moderately a	bundant naturally occurring element.			

Boil Water Notices... May be issued in the event of low distribution pressure, water outages, microbiological samples found to contain E. coli or fecal coliform organisms, failure to maintain adequate chlorine residuals, or other conditions which indicate that the potability of the drinking water supply has been compromised. To ensure destruction of all harmful bacteria and other microbes, water for drinking, cooking, and making ice should be boiled and cooled prior to consumption. The water should be brought to a vigorous rolling boil and then boiled for two minutes. In lieu of boiling, you may purchase bottled water or obtain water from some other suitable source. Once the boil water notification is no longer in effect, customers will be notified in a manner similar to the original notice. Notices are issued by D & M WSC through our website http://dmwater.org/. To receive Alerts at your email address and/or by text messaging sign up for Alerts at http://dmwater.org/alerts. We also use an automated call system to send messages to the phone number of record for service areas affected. Please keep your contact information updated by visiting http://dmwater.org/customer-service. Frequently Boil Water Notices are designated for an isolated area of our water system please review the areas included in the public notice announcement.

ATTENTION: SEWER SERVICE CUSTOMERS - Help protect your environment and keep your drain lines flowing. Do not pour GREASE or CHEMICALS down your drain lines. Grease (fat, oil, butter, margarine) of any type does not dissolve in water and will cause a buildup and stop the flow of waste from draining properly. Various chemicals work against approved treatments to the sewer system and are most often hazardous to the environment.

NOTE: Bills are due the 10th of each month. To avoid a late fee and disconnection notice all payments must be received by the due date.

- For your convenience Utility Payments may be made by:
 - > On-line http://www.dmwater.org/ or automated pay by phone 1-855-981-2714 (convenience fee applies)
 - Mail to PO Box 9, Douglass, TX 75943 (Please allow 7-10 days for processing)
 - In person at 111 Buck Alley, Douglass, TX 75943
 - > Save time and money sign up for automatic bank draft 936-559-9900 or download the form at http://dmwater.org/documents/305/Bank_Draft_Form.pdf
 - > At Commercial Bank of Texas (CBTx) local branch offices (Please allow 5 days for processing)

About VFD donations: D & M WSC offers each customer the opportunity to make a voluntary contribution to the local voluntary fire department(s) (VFD's).

- The \$1.00 contribution amount is listed as a separate item on your monthly statement.
- These voluntary contributions will be sent to the following VFD's: Douglass VFD, Lake Nacogdoches VFD and South Nacogdoches VFD. Your donation will
 go to the VFD for your service address on your water bill.
- This voluntary contribution may be deductible under the Federal Income Tax Law.
- Customers have the right to deduct the \$1.00 VFD contribution from the bill or may choose to donate a different amount (please specify amount with payment).
- For a complete copy of the Corporation's Voluntary Contribution Policy, please make request at the Corporation's office at 111 Buck Alley, Douglass, Texas 75943, by phone 936-559-9900, Corporation's Web Page dmwater.org, or by FAX 936-559-0112.

Contacts: D & M Water Supply: (936) 559-9900 www.dmwater.org Texas Commission on Environmental Quality Region 10, Beaumont: (409) 898-3838 Source Water Assessment https://gisweb.tceq.texas.gov/swav/Controller/index.jsp?wtrsrc= Texas Commission on Environmental Quality Austin: (512) 239-1000 Drinking Water Watch http://dww2.tceq.texas.gov/DWW/ Environmental Protection Agency Safe Drinking Water Hotline: (800) 426-4791 http://water.epa.gov/drink/hotline/ additional information at http://www.epa.gov/safewater/lead Conservation Tips: www.watersmart.org. Local Emergency Response: 911

Important Information About Your Drinking Water

Public water systems must routinely monitor for drinking water contaminants. D & M WSC, TX1740010 failed to monitor for or meet drinking water standards. The table below lists each violation, the time period(s), potential health effects, and associated analytical results (if applicable).

Violation	Violation Number	Time Period(s) of Violation(s)	Potential Health Effects	Analytical Results
Exceeding the Monthly Maximum Contaminant level (MCL) for the Total Coliform Rule (TCR)	2005 405	11/01/2004 – 11/30/2004	Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems.	No Analytical Result(s) Associated

You do not need to boil your water or obtain an alternative water supply (e.g. bottled water) at this time. However, if you have specific health concerns, consult your doctor. If you have a severely compromised immune system, have an infant, are pregnant, or are elderly, you may be at increased risk and should seek advice from your health care providers about drinking this water. General guidelines on ways to lessen the risk of drinking water contaminants are available from EPA's Safe Drinking Water Hotline at 1-800-426-4791.

Corrective Action: D & M WSC has taken the following action(s) to return the system to compliance: Flushed lines, follow up bacteriological samples came back no contamination. D & M WSC failed to issue the required Public Notice in 2004. This notice will resolve the issue. For more information, or to learn more about protecting your drinking water, please contact D & M WSC TX1740010 representative Robert Shumate at (936)559-9900.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.