

# 2013 City of Mansfield Drinking Water Quality Report and 2014-2015 Calendar





# Water Quality Frequently Asked Questions

## What causes taste and odor in my drinking water?

Hot South Texas summer weather results in a rapid algae growth in our surface water reservoirs. As the algae decay, they release taste and odor compounds. The Mansfield Water Treatment Plant added an ultraviolet advanced oxidation process to help remove taste and odor in the plant expansion of 2011. 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 817-477-2248.



## Is my water safer with water purification devices?

Water from the City of Mansfield is safe to drink. We recognize it

is your personal choice to purchase water purification devices. They have been known to cause problems in the quality of drinking water due to the lack of proper filtration replacement. These devices are not tested or regulated by the state or federal governments.

## Do we have hard water?

Hard water is defined by the amount of calcium and magnesium present in the water. Hard water has a relatively high level as compared to soft water which has a low level. Actually our water is not classified as hard or soft. It is medium (hard) and normally has a calcium and magnesium level between 90 to 120 mg/L, or in other terms about 5 to 7 grains of hardness.

## Why does my water seem cloudy?

Cloudy water is often the result of air in the water. To verify if the cloudy water is caused by air, fill a clear glass with water from your faucet. Watch the glass closely. If the water becomes clear from the bottom to the top after a few minutes then there is air in the water. While the quality of water is not affected by presence of air, it could be indicative of a problem in the distribution system. Excessive air in your water should be reported to the Water Utilities Department by calling (817) 473-8411 or (817) 477-2248.

## What is causing the staining of my plumbing fixtures?

Iron and manganese can cause a brownish orange stain on plumbing fixtures. The level of iron and manganese in our raw water is enough to cause stain problems. Since December 2003, Mansfield has been using chlorine dioxide to reduce iron and manganese.

# 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 may be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800) 426-4791.

# Contaminants that may be present in source water include:

**Microbial contaminants**, such as viruses and bacteria, 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 stormwater runoff, industrial waste or domestic wastewater discharges, oil and gas production, mining, or farming.

**Pesticides & herbicides** may come from a variety of sources such as agriculture, urban stormwater 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 stormwater 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, 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.

# Definitions and abbreviations

## AL - Action Level

The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

## ALG - Action Level Goal

The level of a contaminant in drinking water below which there is no known or expected risk to health. ALG's allow for a margin of safety.

## Avg

Regulatory compliance with some MCLs are based on running annual average of monthly samples.

## MCL - Maximum Contaminant Level

The highest level of a contaminant allowed in drinking water. MCLs are set as close to the MCLG's as feasible using the best available treatment technology.

## MCLG - Maximum Contaminant Level Goal

The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLG's allow for a margin of safety.

## MFL - Million fibers per liter

A measure of asbestos.

## MRDL - Maximum Residual Disinfectant Level

The highest level of a disinfectant allowed in drinking water. There is convincing evidence that the addition

of a disinfectant is necessary for control of microbial contaminants.

## MRDLG - Maximum Residual Disinfectant Level Goal

The level of a drinking water disinfectant below which there is no none or expected risk to health. MRDLG's do not reflect the benefits of the use of disinfectants to control microbial contaminants.

## NTU - Nephelometric Turbidity Units

This is used to measure water turbidity (clarity).

## ppm - Parts Per Million

Equivalent to one milligram per liter or one ounce in 7,350 gallons of water.

## ppb - Parts Per Billion

Equivalent to one microgram per liter or one ounce in 7,350,000 gallons of water.

## ppt - Parts Per Trillion

Nanograms per liter (ng/L).

## ppq - Parts per quadrillion

Picograms per liter (pg/L).

## pCi/L - Picocuries Per Liter

This is a measure of radioactivity in water.

## NA - Not applicable



# 2013 Water Quality Report

## INORGANIC CONTAMINANTS <sup>1</sup>

Year	Contaminant	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Source
2013	Antimony	0.42	0.419 - 0.419	6.00	6.00	ppb	No	Discharge from petroleum refineries; Fire retardants; Ceramics; Electronics; Solder; Test addition.
2013	Arsenic	2.00	2.16 - 2.16	0.00	10.00	ppb	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production waste.
2013	Barium	0.05	0.0537 - 0.0537	2.00	2.00	ppm	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
2013	Fluoride	0.30	0.26 - 0.26	4.00	4.00	ppm	No	Erosion of natural deposits; Water additive which promotes strong teeth; Runoff from fertilizer and aluminum factories.
2013	Nitrate [measured as Nitrogen]	0.42	0.36 - 0.423	10.00	10.00	ppm	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

## SYNTHETIC ORGANIC CONTAMINANTS INCLUDING PESTICIDES & HERBICIDES

Year	Contaminant	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Source
2013	Atrazine	0.15	0.15 - 0.15	3.00	3.00	ppb	No	Runoff from herbicide used on row crops.

## ORGANIC CONTAMINANTS

Year	Contaminant	Avg. Level	Min. Level	Max. Level	MRDL	MRDLG	Units	Source
2013	Chloramines	2.40	0.70	3.70	4.00	<4.0	ppm	Disinfectant used to control microbes.

## DISINFECTION BYPRODUCTS

Year	Contaminant	Highest Running Annual Average	Range of Levels	MCLG	MCL	Units	Violation	Source
2013	Haloacetic Acids (HAA5)*	12.00	8.6 - 14.7	No goal for that total	60	ppb	No	Byproduct of drinking water disinfection.
2013	Total Trihalomethanes (TTHM)	40.00	0 - 54.2	No goal for that total	80	ppb	No	Byproduct of drinking water disinfection

## UNREGULATED CONTAMINANTS

Year	Contaminant	Avg.	Min.	Max.	Units	Source
2012	Chloroform	14.51	6.20	22.20	ppb	Byproduct from drinking water disinfection. Byproduct from drinking water disinfection. Byproduct from drinking water disinfection.
2012	Bromoform	<1.00	<1.00	<1.00	ppb	
2012	Bromodi-chloromethane	10.88	9.20	14.50	ppb	
2012	Dibromo-chloromethane	6.82	5.50	9.60	ppb	Byproduct from drinking water disinfection.

## LEAD AND COPPER <sup>2</sup>

Year	Substance	90th percentile	# of sites exceeding action level	MCLG	Units	Source
2012	Lead	1.07	0.00	15.00	ppb	Corrosion of household plumbing systems; Erosion of natural deposit
2012	Copper	0.368	0.00	1.30	ppm	Corrosion of household plumbing systems; Erosion of natural deposit; Leaching from wood preservatives.

## SECONDARY CONSTITUENTS <sup>3</sup>

Year	Contaminant	Avg.	Min.	Max.	Secondary Limit	Units	Source
2013	Bicarbonate	86.00	NA	NA	NA	ppm	Corrosion of carbonate rocks such as limestone.
2013	Chloride	13.4 mg	NA	NA	300.00	ppm	Abundant naturally occurring element; Used in water purification.
2013	Hardness as Ca/Mg	97.10	NA	NA	NA	ppm	Naturally occurring calcium and magnesium.
2013	pH	8.00	NA	NA	>7.00	units	Measure of corrosivity of water.
2013	Sodium	22.70	NA	NA	NA	ppm	Erosion of natural deposits; Byproduct of oil field activity.
2013	Sulfate	25.10	NA	NA	300.00	ppm	Naturally occurring; Common industrial byproduct; Byproduct of oil field activity.
2013	Total Alkalinity as CaCO3	86	NA	NA	NA	ppm	Naturally occurring soluble mineral salts.
2013	Total Dissolved Solids	172.00	NA	NA	1000.00	ppm	Total dissolved mineral constituents in water.

## TOTAL & FECAL COLIFORMS – REPORTED MONTHLY TESTS FOUND NO TOTAL OR FECAL COLIFORMS <sup>4</sup>

## RADIOACTIVE CONTAMINANTS

Year	Contaminant	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Source
2011	Combined Radium 226/228	1.00	1.00 - 1.00	0.00	5.00	pCi/L	No	Erosion of natural deposits.

## TURBIDITY <sup>5</sup>

Year		Limit (Treatment Technique)	Level Detected	Units	Violation	Source
2013	Highest single measurement	1 NTU	0.3 NTU	NTU	No	Soil runoff.
2013	Lowest monthly % meeting limit	0.3 NTU	100%	NTU	No	Soil runoff.

## TOTAL ORGANIC CARBON <sup>6</sup>

Year	Substance	Avg.	Min.	Max.	Units	Source
2013	Source Water	7.84	6.92	9.84	ppm	Naturally present in the environment.
2013	Drinking Water	4.42	3.62	4.86	ppm	Naturally present in the environment.
2013	Removal	1.19	1.00	1.46	Removal ratio	NA

(1) The MCL for beta particles is 4 mrem/year. EPA considers 50 pCi/L to be the level of concern for beta particles. (2) 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 are 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, test 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>. (3) 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 EPA. These constituents are not causes for health concerns. Therefore, secondary's are not required to be reported in this document but they may greatly affect the appearance and taste of your water. (4) Total coliform bacteria are used as indicators of microbial contamination of drinking water because they are easily detected in water samples and they are found in the digestive tract of warm-blooded animals. While coliforms are not disease producers, they are often found in association with other microbes that are capable of causing disease. Coliform bacteria are harder than many disease-causing organisms; therefore their absence from water is a good indication that the water is bacteriologically safe for human consumption. Fecal coliform bacteria, in particular E-Coli, are a portion of the coliform bacteria group originating in the intestinal tract of warm-blooded animals and are passed into the environment through feces. The presence of fecal coliform in drinking water may indicate recent contamination of the drinking water supply with fecal material. The following table indicates whether total coliform or fecal coliform bacteria were found in the monthly drinking water samples submitted for testing by your water supplier last year. (5) Turbidity is a measurement of the cloudiness of the water caused by suspended solids. We monitor it because it is a good indicator of water quality and the effectiveness of our filtration. Turbidity has no health effects. However, Turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches. (6) Total Organic Carbon (TOC) has no health effects. The disinfectant can combine with TOC to form disinfection byproducts. Disinfection is necessary to ensure that water does not have unacceptable levels of pathogens. Byproducts of disinfection include trihalomethanes (THMs) and haloacetic acids (HAA) which are reported elsewhere in this report.



# JULY 2014

## We Are Fortunate!

Here in Mansfield, we are FORTUNATE to have an employee organization that takes PRIDE in serving this community. For many of them, their dedication and service extends beyond the city limits. Please take a moment to recognize a few of Mansfield's finest and their service to our country.

Jimmy Moore was a sergeant in the United States Marine Corps and served from 1983 to 1995. He enjoyed tours of duty in Japan, Korea and the Philippines.

Chris Beesley served as an Airman (E-3) on the U.S.S. Constellation. He joined the United States Navy in 1999 and proudly served until 2001.

Alex Whiteway is currently a First Lieutenant in the Army National Guard. He has been serving since 2008 and recently returned from deployment overseas.

Serving your community is an honor, and there are many ways you can volunteer. The City of Mansfield offers several opportunities to serve. Here is a list of departments who need volunteers of all-types!

- **Keep Mansfield Beautiful Commission**  
(Water Utilities Dept) 817-477-2248 ext. 2026
- **Senior Lifestyles Program**  
(Parks & Recreation Dept) 817-453-5420 ext. 2223
- **Elmer W. Oliver Nature Park**  
(Parks & Recreation Dept) 817-804-5789
- **Citizens on Patrol**  
(Police Dept) 817-276-4757
- **Citizens Fire Academy**  
(Fire Dept) 817-276-4790
- **Mansfield Public Library**  
817-473-4391

*Keep Mansfield Beautiful averaged about 202 volunteers a year. In 2013, KMB had over 1,700 volunteers!*



*In this photo (L to R): Jimmy Moore  
Chris Beesley  
Alex Whiteway*

*Treatment Plant Supervisor  
Utility Tech Waste Water  
Water Distribution Supervisor*



# JULY

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																																																																				
		1 <i>On this day in 1963, the zip code was introduced to the US</i>	2	3 <i>Rockin' 4th of July</i>	4 <i>Independence Day City offices closed</i>	5																																																																																				
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13	14 <i>City Council Meeting @ 7 pm</i>	15	16	17	18	19 <i>Get Irrigated, Not Irrigated Workshop @ Bud Ervin Water Treatment Plant</i>																																																																																				
20 <i>On this day in 1969, Neil Armstrong and Edwin "Buzz" Aldrin became the first humans to set foot on the moon</i>	21	22	23	24	25	26																																																																																				
27	28 <i>City Council Meeting @ 7 pm</i>	29	30	31																																																																																						
 <p>Of all the water on the earth, humans can use only about three tenths of a percent of this water. Such usable water is found in groundwater aquifers, rivers, and freshwater lakes.</p>				<b>JUNE</b> <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr> <tr><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr> <tr><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr> <tr><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td></tr> <tr><td>29</td><td>30</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30													<b>AUGUST</b> <table border="1"> <tr><td></td><td></td><td></td><td></td><td></td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr> <tr><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td></tr> <tr><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> <tr><td>31</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
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# AUGUST 2014

## Are You Smarter Than a Water Operator?

Class is in Session!

The knowledge it takes to bring an ample supply of cool, safe drinking water to your home or business would amaze you. How many times have your children said, "I don't know why they make us take Algebra; am I ever going to use it again?" Water Treatment Plant Operators would say, "We use it every day." In fact, without a solid mathematical foundation, they wouldn't be able to keep the taps and faucets running. No math, no water. It's as simple as that.

The Bud Ervin Water Treatment Plant deploys some of the most technologically advanced equipment in the industry. Operators must possess a working knowledge of the chemistry, biology, and physics required to make these treatment processes work.

The Utility Division is committed to making sure all of the professionals serving this community are properly trained and licensed to keep your water safe.

To learn more about the Bud Ervin Water Treatment Plant and the operators that work behind the scenes, call 817-477-2248 (ext. 2026) to schedule a tour.

No algebra test required!



*In this photo (L to R):* Jaime Montiel  
Fernando (JR) Zavala  
Clint Harvey  
Joe Richey  
Instrument Tech  
Chief Operator "A"  
"C" Operator  
Maintenance Operator "A"



*In this photo (L to R):* Russ Wilson  
Robby Isbell  
Keith Hawes  
KMBC Board Member  
Water Treatment Plant Manager  
Maintenance Supervisor



# AUGUST

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31	<div><div><div><div>H<sub>2</sub>O</div><div>Did You Know?</div></div></div><div>The natural rotation of the Earth has been slightly changed by some 10 trillion tons of water stored in reservoirs over the past 40 years.</div></div>				<div>JULY</div> <table><tr><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr><tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr><tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr><tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr><tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31										<div>SEPTEMBER</div> <table><tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr><tr><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td></tr><tr><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr><tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td></tr><tr><td>28</td><td>29</td><td>30</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30											
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## Our Price is Right

Mansfield residents, come on down!

You're the next contestants on Our Price is Just Right! The first item up for bid on Our Price is Right is the removal of 1,000 gallons of sewage from your home or business. What would you bid? If you said \$3, you would be too high! That's right, in Mansfield it only costs \$2.90 to have 1,000 gallons of raw sewage removed from your home. Moving on to the Showcase Showdown!!!

Showcase No. 1 – 1,000 gallons of new bottled water! At room temperature and stacked on 10 pallets, you have to come pick it up. After only 17 trips to the store in a half-ton pickup truck, you can drink all the water you want! Gas money is not included and disposing of 4,000 plastic bottles is not a problem. Place your bid!

Showcase No. 2 – 1,000 gallons of cool, refreshing tap water! Delivered under pressure directly to your tap or faucet, you should feel free to enjoy a shower, tall glass of water, or a run through the sprinklers. In fact, enjoy all of those things. Each of them is available at the push of a button or twist of a knob.

Place your bid!

So, how much was your showcase worth? The answer might surprise you.

1,000 gallons of bottled water could cost as much as \$7,532, while the same volume of cool, refreshing tap water is only \$2.98. But hey, if you have a half-ton pickup truck, a full tank of gas, \$7,529 to spare and a full day to burn, enjoy all of the bottled water you want.

Meanwhile, we'll be waiting for you at the tap!



*In top photo (L to R):*

*Teresa Foote  
Kayla Cardinale  
Arnoldo Ramirez*

*Meter Technician  
Meter Reader  
Tradesperson - Wastewater*

*In bottom photo (L to R): Jeff Price  
Arnoldo Ramirez*

*Assistant Director of Utilities  
Tradesperson - Wastewater*



# SEPTEMBER

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																																																																				
	Labor Day 1  City offices closed	2  Texas SmartScape Class @ Bud Ervin Water Treatment Plant	3	4  Texas SmartScape Class @ Bud Ervin Water Treatment Plant	5	6																																																																																				
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			<div><div><p>H<sub>2</sub>O Did You Know?</p></div><div><p>Three things most of the world can't do: (1) take a hot shower, (2) get clean water from the tap, and (3) flush away yesterday's dinner.</p><p>– Water.Org</p></div></div>		<div><div><p>AUGUST</p><table><tr><td></td><td></td><td></td><td></td><td></td><td>1</td><td>2</td></tr><tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr><tr><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr><tr><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td></tr><tr><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr><tr><td>31</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table></div><div><p>OCTOBER</p><table><tr><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td></tr><tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td></tr><tr><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr><tr><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td></tr><tr><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table></div></div>							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31										1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31								
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# OCTOBER 2014

## Fear Factor – Meter Reader Edition

“Fear is Not a Factor for You, Mr. Meter Reader!”

I’m Joe Smogan and this is Fear Factor – Meter Reader Edition!

The stunts performed here were all designed and supervised by trained professionals. They are extremely ‘ewie’ and should not be attempted by anyone, anywhere, at any time... unless you are a meter reader. Then, you kinda have to do it. Sorry, guys.

In order to do your job effectively, you’ll have to reach into a box that may or may not contain snakes, bees, wasps, scorpions, and our favorite, the “water” bugs. While safety is always our first concern, speed matters. You will have to do this 20,000 times every month.

Now, if our contestants are ready, let’s read meters!

Spiders, roaches and snakes, oh my!



*Hunter Moore*



*In this photo (L to R): Tim Johnson  
Hunter Moore*

*Meter Tech  
Meter Crew Leader on T-3*



# OCTOBER

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																																																													
			1	2	3	4 <i>Fall Beautification Day</i>																																																																													
5	6	7 <i>On this day in 2003, Arnold Schwarzenegger becomes California Governor</i>	8	9	10	11 <i>Get Irrigated, Not Irritated Workshop @ Bud Ervin Water Treatment Plant</i>																																																																													
12	Columbus Day 13  City Council Meeting @ 7 pm	14	15	16	17	18																																																																													
19	20	21	22	23	24 <i>On this day in 1901 was the first barrel ride down Niagra Falls</i>	25																																																																													
26	27  City Council Meeting @ 7 pm	28	29	30	31  Halloween																																																																														
 <b>H<sub>2</sub>O</b> Did You Know? Water absorbs infrared radiation, which gives a blue tint to large bodies of water such as lakes and oceans.				SEPTEMBER <table> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr> <tr><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td></tr> <tr><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> <tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td></tr> <tr><td>28</td><td>29</td><td>30</td><td></td><td></td><td></td><td></td></tr> </table>			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					NOVEMBER <table> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td></tr> <tr><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr> <tr><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td></tr> <tr><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td></tr> <tr><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td></tr> <tr><td>30</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30						
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## Mansfield Squares

Mansfield has a lot to be thankful for!

As the Director of Utilities, I could not be more proud of the work our employees do for the residents and businesses in Mansfield. Their efforts have allowed us to enjoy a great deal of success over the last twelve months and I am thankful for their dedication.

It would be impossible to operate the utility division without the support of our City Council. Their hard work and guidance has not gone unnoticed or unappreciated. The fact that they are all volunteers is equally impressive.

Another group that has contributed to the utility division's success is the Keep Mansfield Beautiful Commission. This council-appointed volunteer organization won three state-wide awards in 2013 for the programs they support.

Thank you, Mansfield!  
Joe Smolinski, Director of Utilities

Mansfield Squares from left to right, top to bottom:

Wendy Burgess	Council Member, Place 6
Larry Broseh	Council Member, Place 7
Brent Newsom	Council Member, Place 2
David Cook	Mayor
Clayton Chandler	City Manager
Chris Burkett	Assistant City Manager
Darryl Haynes	Council Member, Place 4
Stephen Lindsey	Council Member, Place 3
Cory Hoffman	Council Member, Place 5





# NOVEMBER

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						1																																																																						
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9 <i>On this day in 1967, the first issue of Rolling Stone Magazine was released</i>	Veterans Day 10  City Council Meeting @ 7 pm	11	12	13	14	15 <i>America Recycles Day</i>																																																																						
16	17	18	19	20	21	22																																																																						
23	24  City Council Meeting @ 7 pm	25	26	Thanksgiving Day 27  City offices closed	28  City offices closed	29																																																																						
30			 <p>There is the same amount of water on Earth as there was when the Earth was formed. The water from your faucet could contain molecules that dinosaurs drank.</p> <p><b>H<sub>2</sub>O</b> Did You Know?</p>		<b>OCTOBER</b> <table> <tr><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td></tr> <tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td></tr> <tr><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr> <tr><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td></tr> <tr><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td></td></tr> </table>				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		<b>DECEMBER</b> <table> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr> <tr><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td></tr> <tr><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> <tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td></tr> <tr><td>28</td><td>29</td><td>30</td><td>31</td><td></td><td></td><td></td></tr> </table>		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
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# DECEMBER 2014

## Family F“ew!”d

We surveyed 100 people. The Top 6 answers are on the board. Name something your family feuds over during the holidays.

You have enough to deal with during the holidays. No, we can't do anything about how often Uncle Jesse uses the toilet. We can't tell Cousin Alex to limit his shower time to 10 minutes. But we will always do everything in our power to make sure that plenty of water is available for your family. Now, keeping it hot, you might want to talk to Uncle Jesse about that one.

The last thing you want during the holidays is for your **Family F“ew!”d** over which one of the in-laws backed up the plumbing. How bad would everyone feel if your brother-in-law or mother-in-law was taking a bath when sewage came bubbling up through the drain? OK, bad example, but you get the point.

To prevent sanitary sewer overflows and backups, dispose of cooking oil and grease properly. Residents can dispose of their cooking oil and grease for free year-round. Call 817-477-2248 for more information.



*Joe Smolinski*

*Director of Utilities*

### SEWER

*Jesse Fernandez  
Matt Daugherty  
Chris Beesley  
Brad Blan  
Ernesto Estrada*

*Utility Manager  
Wastewater Crew Leader  
Tradesperson - Wastewater  
Tradesperson - Wastewater  
Grease Trap Inspector*

### WATER

*Alex Whiteway  
Sherry Harden  
John Wheeler  
Bernardo Cervantes  
David Brister*

*Water Distribution Supervisor  
Meter Reader Supervisor  
Water Distribution Crew Leader  
Utility Crew Leader  
Utility Inspector-Water Distribution*



# DECEMBER

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																																																																																		
	1	2	3	4 <i>National Cookie Day</i>	5 Hometown Holidays	6 Hometown Holidays Parade																																																																																																		
	8 City Council Meeting @ 7 pm	9	10	11	12	13																																																																																																		
	15	16	17 <i>On this day in 1903, the first Airplane flies</i>	18	19	20																																																																																																		
	22	23	24 City offices closed	Christmas Day 25 City offices closed	26	27																																																																																																		
	29 <i>Christmas Tree Recycling Dec. 29 - Jan. 23</i>	30	31 New Year's Eve																																																																																																					
				<div><div><p><b>H<sub>2</sub>O</b> Did You Know?</p></div><div><p>Water expands by 9% when it freezes. Frozen water (ice) is lighter than water, which is why ice floats in water.</p></div></div>																																																																																																				
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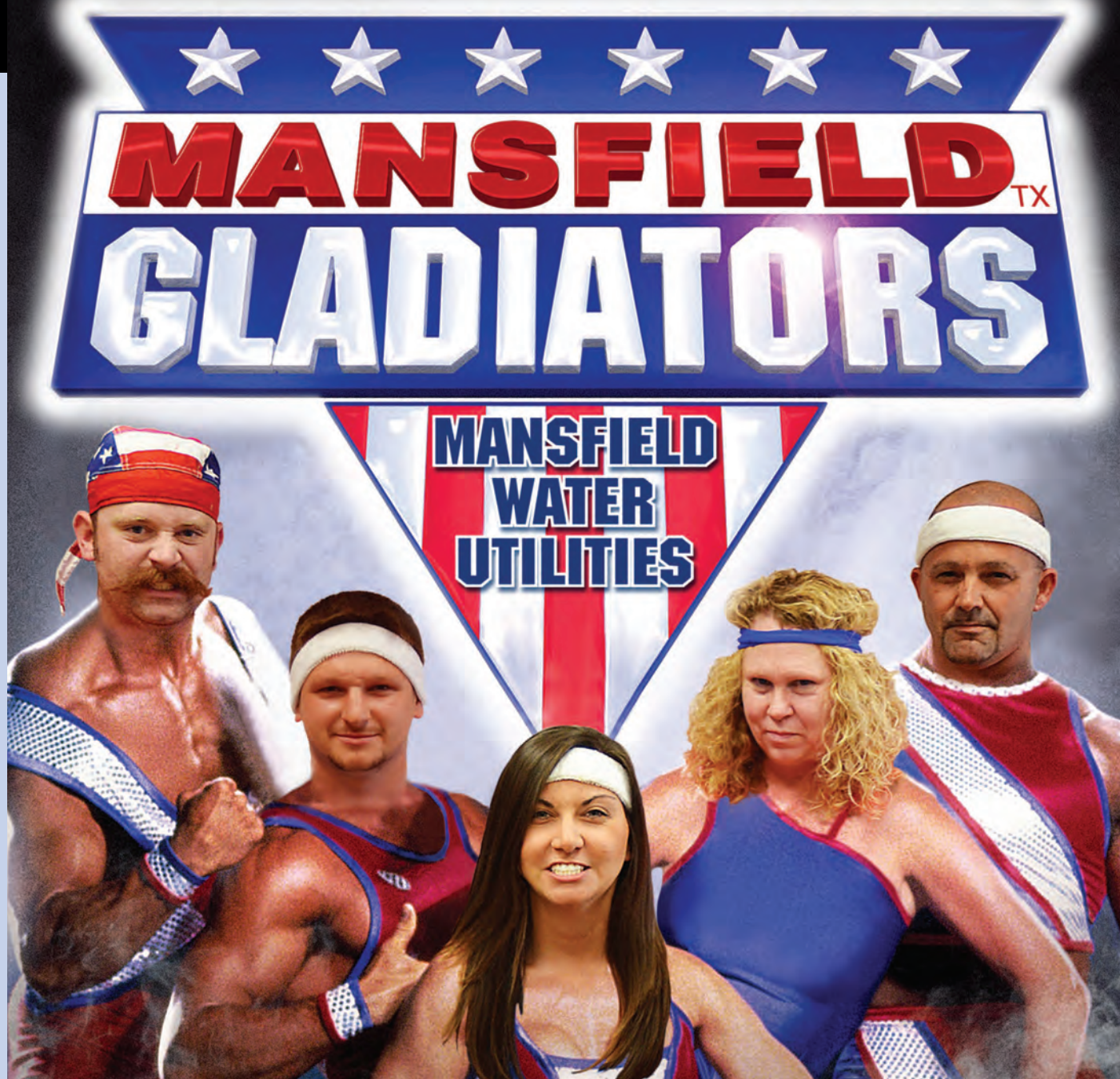


## Mansfield Gladiators

“Prepare for Battle!”

Gladiators are well known for their conquests in the arena and thirst for glory. After defeating deadly enemies they would stand before the crowds with their hand raised in victory! Okay, so our gladiators aren't all that similar to the gladiators-of-old, but they do go to battle every day for things that matter here in Mansfield. Clean water, adequate sanitation, clean streets, parks, and waterways are vital to our way of life. Someone has to take on those tasks day in and day out. Along the way, the gladiators of the Utility Division have picked up some impressive trophies. Here are just a few of the awards earned by the staff and their network of dedicated volunteers last year.

- American Water Works Association's Public Communications Achievement Award
- Texas Section of the American Water Works Association's Watermark Award
- Keep Texas Beautiful's Civic Organization Award
- Keep Texas Beautiful's Media Award
- Keep Texas Beautiful's Government Award
- Texas Commission on Environmental Quality's Environmental Excellence Award
- Texas Water Utilities Association (North Central Texas Division) Community Service Award
- Texas Water Utilities Association (North Central Texas Division) Public Education Award



*In this photo (L to R): Adam Carter  
Lance Isbell  
Arianne Shipley  
Brenda Isbell  
Ricky Farley*

*Tradesperson- Waste Distribution  
Tradesperson- Water Distribution  
Education Specialist  
Inventory Clerk  
Tradesperson- Waste Distribution*



# JANUARY

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				New Year's Day 1 City offices closed	2	3
4	5	6	7	8	9	10
11	12 City Council Meeting @ 7 pm	13	14 National Dress up your pet day	15	16	17
18	19 Martin Luther King, Jr. Day City offices closed	20	21	22	23 Christmas Tree Recycling ends National Pie Day	24 Winter Walk
25	26 City Council Meeting @ 7 pm	27	28	29	30	31
				 <p>There could be no life without water. Every living thing is made of at least some water. Roughly 60% of our body is water.</p> <p><b>H<sub>2</sub>O</b> Did You Know?</p>		

DECEMBER						
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21	22	23	24	25	26	27
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FEBRUARY						
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15	16	17	18	19	20	21
22	23	24	25	26	27	28



## The Hydrating Game

"It's time to find your Valentine!"

Brandy needs help selecting her perfect Valentine. Before we ask Brandy to kick two of these cans or cups to the curb, let's learn a little about our bachelors.

**Bachelor No. 1** is a 16.9 fluid-ounce plastic bottle of water from somewhere along the east coast. He doesn't have his own transportation, so you'll have to go to the store and pick him up. This contestant sites "convenience" as his most valued asset. He says he is committed to spending eternity alone in a landfill near you.

**Bachelor No. 2** is a 20 fluid-ounce plastic bottle of soda from a factory in the northwest corner of the United States. Like bachelor No. 1, he will need a ride to your place. Soda considers himself a 'sweet' choice as he contains more than 60 grams of sugar. Unlike bachelor No. 1, this contestant intends to hang out on the coast for the rest of his life... just floating about in the tide.

**Bachelor No. 3** is a gallon of cool, refreshing tap water. H2Owen is a hometown hero. Treated and pumped right here in Mansfield, Texas, H2Owen helps keep his community safe as one of the greatest public health achievements of all time! He even assists the fire department when needed. He's also well known for how well he works under pressure.

Who do you think Brandy should choose as her Valentine? We think the choice is clear... and not served in a 20 fluid-ounce bottle!



Outtake photos



In top photo (L to R):  
Steve Olinski  
Brandy Fernandez  
H<sub>2</sub>Owen  
Eberardo Murilló  
A.J. Platter

Building & Grounds Maintenance  
Utility Billing Cashier  
Water Utility Department Mascot  
Meter Reader  
Tradesperson-Wastewater



# FEBRUARY

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8	9  City Council Meeting @ 7 pm	10	11	12	13	14  Valentine's Day																																																																																					
15	16 Presidents' Day  City offices closed	17	18	19	20	21																																																																																					
22	23  City Council Meeting @ 7 pm	24  <i>National Tortilla Chip Day</i>	25	26	27  <i>National Joe Day</i>	28																																																																																					
			<div><div><div><div>H<sub>2</sub>O</div><div>Did You Know?</div></div></div><div><p>"An estimated 25% or more of bottled water is really just tap water in a bottle-sometimes further treated, sometimes not." – National Resources Defense Council (NRDC)</p></div></div>			<div>JANUARY</div> <table><tr><td></td><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td></tr><tr><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr><tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td></tr><tr><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td></tr><tr><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31								<div>MARCH</div> <table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr><tr><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr><tr><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr><tr><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td></tr><tr><td>29</td><td>30</td><td>31</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31											
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## Wipeout Waste

Conservation doesn't have to be an obstacle. We can all WIPEOUT the waste in our life!

Waste reduction- the process of reducing the amount of waste produced by a person or a society.

Most people know the three R's (Reduce, Reuse and Recycle) and have become excellent reusers and recyclers. Now it's more important than ever to become reducers! The State of Texas is still in a drought and will be for a long time. It's a very critical time to reduce our water waste.

***Don't bounce off the course of conservation! The Water Utilities Department offers many ways to REDUCE water waste.***

### **Texas SmartScape- Classes offered spring and fall**

Texas SmartScape plants are native and adaptive plants. They are also drought tolerant, pest and disease resistant and attract animals and insects. Using native and adaptive plants can help conserve water, REDUCE stormwater runoff, provide wildlife habitats and save time and money. They are more than just plants for desert scapes, rock gardens or cactus gardens. Stop by Serenity Gardens at Julian Feild Park, 1531 E. Broad St., to see the Texas SmartScape Demo Gardens. Visit [www.txsmartscape.com](http://www.txsmartscape.com)

### **Mulch Madness - Free mulch giveaway begins in March**

Adding two to three inches of mulch on your landscaping REDUCES weed growth and water evaporation. The mulch offered to residents in our Mulch Madness program comes from the Christmas trees recycled each winter and the three tree-limb collection events. For more information on this program, call the Education Specialist at 817-477-2248.



### **Irrigation Audits – Free irrigation check offered year-round**

The city's irrigation specialist can teach you how to make minor repairs and make sure your sprinkler system is running efficiently. We host classes throughout the year or we can come directly to your house, business or home owners association.

### **Rain Barrel Building – Learn to collect rain water year-round**

Rain barrels collect rainwater from your roof, which can be used to water your plants. The Water Utilities Department offers free classes throughout the year that teach residents how to make their own.







# APRIL 2015

## Big Deal or No Big Deal

“Hello, ladies.”

“Hi, Howie.”

Consider this...

Mansfield gets its water from the Tarrant Regional Water District (TRWD) which is responsible for supplying water to almost two million people across an 11-county area that includes Mansfield.

We use that water for a lot of different things. We drink it. Clean with it. We cook with it. We bathe in it. We water our lawns and wash our vehicles with it. And, we play with it. Using water for all of these different things means that we use a lot of it, probably more than you think.

As our population continues to grow – and it is definitely growing – our current water sources will become more susceptible to periods of drought and the impact of our consumption will be more and more apparent every year, especially in the summer.

In order to make sure that everyone has water for the things like drinking, washing, showers, toilets, cleaning, fire protection, etc., we must use our resources efficiently. So, what do you think?

## Conservation...Big Deal or No Big Deal?

*About the picture:*

*Experience serving this community! The number on each of the ladies' briefcase represents the number of years she has served the residents of Mansfield. We're proud of them AND of their service to this community.*



*In this photo (L to R, top to bottom rows):*

*LouAnn Owen, Finance; Suzanne Newman, Senior Citizen Coordinator; Rita Hudson, Utility Billing Supervisor; Belinda Willis, Director of Communications & Marketing*

*Lisa Sudbury, Assistant Director of Planning; Janet Green, Receptionist; Ashley Wendler, Building Permit Coordinator; Vicki Collins, City Secretary; Darcy Lupton, Accountant II*

*Nelda Thompson, Senior Billing Clerk; Janie Mendez, Employee Support Services; Margaret Morgan, Employee Support Services; Hillary Beuker, Park Planner; Nancy Cardinale, Administrative Assistant; Brandy Fernandez, Utility Billing*

*Karen Wellborn, Executive Secretary; Ellen Bell, Accounting Supervisor; Shelia Rhodes, Records Management Clerk; Susana Marin, Assistant City Secretary*



# APRIL

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			1	2	3 Good Friday City offices closed	4 Mulch Madness @ 24 N. Mitchell Rd.																																																																													
5 Easter Sunday	6	7	8	9	10	11 Trash-Off Event																																																																													
12	13 City Council Meeting @ 7 pm	14	15	16	17	18 Mulch Madness @ 24 N. Mitchell Rd.																																																																													
19	20	21	22 Earth Day (the first Earth Day was 4/22/1970)	23	24	25																																																																													
26	27 City Council Meeting @ 7 pm	28	29	30																																																																															
April is Safe Digging Month Avoid costly damages, call 811 before you dig.			 <p>In just one day, it is estimated that more than 152 million hours of women and girls' time is consumed for the most basic of human needs – collecting water for domestic use. – Water.org</p>		<p>MARCH</p> <table> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr> <tr><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr> <tr><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr> <tr><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td></tr> <tr><td>29</td><td>30</td><td>31</td><td></td><td></td><td></td><td></td></tr> </table>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					<p>MAY</p> <table> <tr><td></td><td></td><td></td><td></td><td></td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr> <tr><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td></tr> <tr><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> <tr><td>31</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
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# MAY 2015

## Water Jeopardy

### La Niña or El Niño

- La Nina is an atmosphere-ocean phenomenon which brings about lower than normal rainfall to the State of Texas.

### Overwatering is Drought of the Question

- Tarrant Regional Water District initiates stage 1 of its drought contingency plan when its supply reaches 75% of its original capacity.
- The City of Mansfield is currently in stage 1 of its drought contingency plan. Outdoor watering is restricted to just twice per week.
- The use of automatic pool fill valves is discouraged during stages 2 & 3.

### My Main Man

- There are 292 miles of drinking water distribution pipe in Mansfield.
- The Mansfield Fire Department relies on the Utility Division to maintain 2,266 fire hydrants in the City of Mansfield.

### Bacteria to the Future

- Salt and energy are used to create sodium hypochlorite, a disinfectant used to make water safe to drink.

### That's Not Mud!

- The crews that maintain more than 278 miles of sewer pipe in Mansfield are affectionately referred to as the Mansfield Mud Ducks.
- Mansfield sends about 5.5 million gallons of raw sewage to the Trinity River Authority's Central Regional Wastewater Plant every day.
- Raw sewage is pushed uphill by one or more of the 13 sewer lift stations around town. It doesn't roll uphill.
- Dumping cooking oil or grease down the drain could cause a sanitary sewer overflow.



In this photo (L to R): Regina Newman Class A Water Operator  
Forrest Mayhugh Class C Water Operator  
Ray Chapa Class B Water Operator



# MAY

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National Drinking Water Week - Take a tour of the Water Treatment Plant																																																																				
	<i>Star Wars Day</i>																																																																			
10  Mother's Day	11  City Council Meeting @ 7 pm	12	13	14	15	16  <i>Mulch Madness @ 24 N. Mitchell Rd.</i>																																																														
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24	Memorial Day 25  City offices closed	26  City Council Meeting @ 7 pm	27	28	29	30  <i>Mulch Madness @ 24 N. Mitchell Rd.</i>																																																														
31			<div><p>More people have a mobile phone than a toilet.</p><p>– Water.org</p><p><b>H<sub>2</sub>O</b> Did You Know?</p></div>		<div>APRIL</div> <table><tr><th>1</th><th>2</th><th>3</th><th>4</th></tr><tr><td>5</td><td>6</td><td>7</td><td>8</td></tr><tr><td>9</td><td>10</td><td>11</td><td>12</td></tr><tr><td>13</td><td>14</td><td>15</td><td>16</td></tr><tr><td>17</td><td>18</td><td>19</td><td>20</td></tr><tr><td>21</td><td>22</td><td>23</td><td>24</td></tr><tr><td>25</td><td>26</td><td>27</td><td>28</td></tr><tr><td>29</td><td>30</td><td></td><td></td></tr></table>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			<div>JUNE</div> <table><tr><th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th></tr><tr><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr><tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr><tr><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td></tr><tr><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr></table>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
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# JUNE 2015

## Trash Cab

There are millions of pieces of trash in DFW, but there's only one Keep Mansfield Beautiful Commission.

The Keep Mansfield Beautiful Commission is an award-winning, City Council-appointed commission. They engage, educate and empower community members to take greater responsibility for maintaining a clean and beautiful city through litter abatement, waste reduction, recycling and community beautification, which improves the health and prosperity of our community. For information about the commission or becoming a board member, visit [www.keepmansfieldbeautiful.org](http://www.keepmansfieldbeautiful.org)

Keep Mansfield Beautiful sponsors the following city-wide cleanup events:

Creekside Cleanup (fall)

Texas Trash-Off (spring)

Adopt-A-Street Program (year round)

Beautification Day (spring & fall)

Got Grease? Cooking Oil Collection (year round)

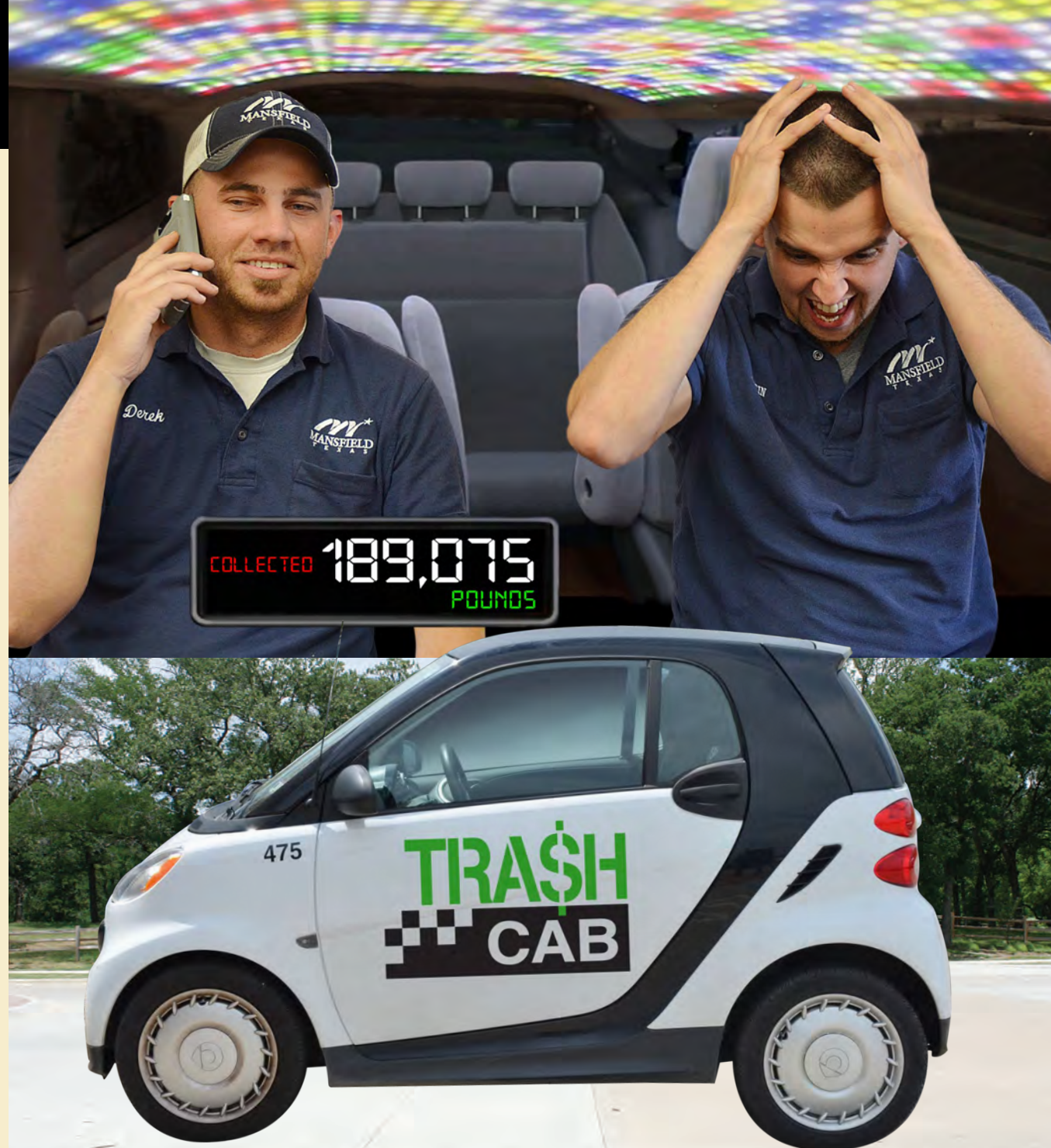
Household Hazardous Waste Collection (spring & fall)

According to the Texas Department of Transportation, motorists generate 52 percent of litter along roadways and highways.

More than 80 percent of litter found in our creeks and rivers reached those waterways traveling across land.

The Reverse Litter Campaign is an anti-litter program that encourages North Texas residents to help keep their cities clean and to get involved in preventing litter from reaching our waterways. At the heart of the campaign is a movement called "Ten on Tuesday" which asks individuals to pick up 10 pieces of trash every Tuesday where they live, work and play. Residents can get started by going to [ReverseLitter.com](http://ReverseLitter.com) and taking the pledge. This effort is sponsored by the Cities of Mansfield, Dallas, Fort Worth, Arlington and Denton and the Tarrant Regional Water District.

Reverse Litter is an important message especially when realizing that the trash in our parks, neighborhoods and on the side of the road eventually finds its way into our storm drains and flows directly to our water sources. Making a difference for our streams, rivers and lakes is as easy as grabbing 10 every Tuesday.



*In this photo (L to R): Derek Wells  
Justin Bradford*

*Utility Technician-Water Distribution  
Meter Technician*



# JUNE

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7	8 <div>City Council Meeting @ 7 pm</div>	9	10 <div>On this day in 1752, Benjamin Franklin flies a kite in a thunderstorm and catches electricity in a jar</div>	11	12	13																																																																																				
14 <div>Flag Day</div>	15	16	17	18	19	20																																																																																				
21 <div>Father's Day</div>	22 <div>City Council Meeting @ 7 pm</div>	23	24	25 <div>National Catfish Day</div>	26	27																																																																																				
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707 Pleasant Ridge Ct.  
Mansfield, TX 76063

PRESORTED STANDARD  
U.S. POSTAGE  
**PAID**  
PERMIT NO. 10  
MANSFIELD, TX

## Mansfield Resident

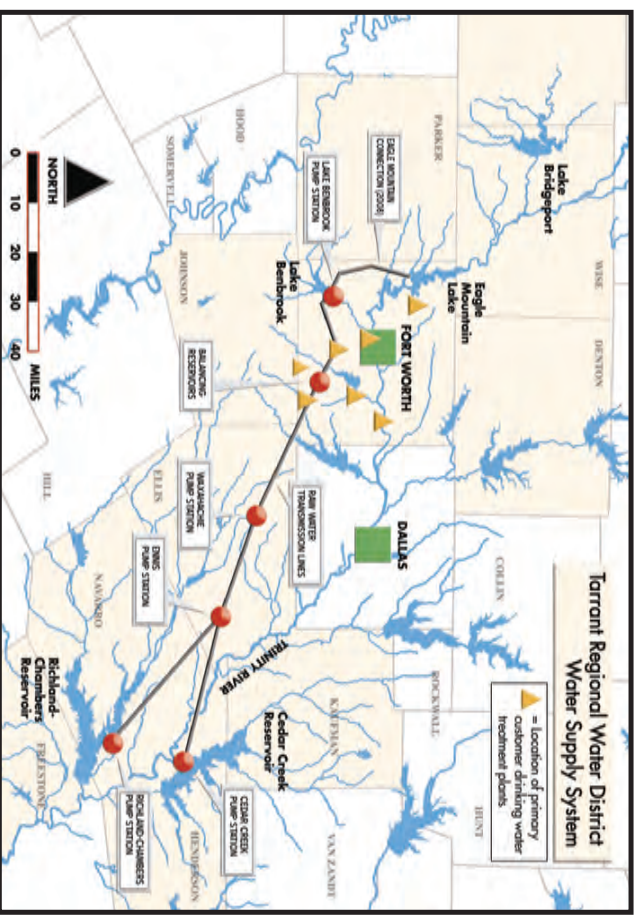
### Health information for special populations

You may be more vulnerable than the general population to certain microbial contaminants, such as Cryptosporidium, in drinking water. Among those who could be at risk from infections: 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. You should seek advice about drinking water from your physician or health care provider. Additional guidelines on appropriate means to lessen risk of infection by Cryptosporidium are available from the Safe Drinking Water Hotline (800-426-4791).

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. The Texas Commission on Environmental Quality (TCEQ) completed a Source Water Susceptibility Awareness (SWSA) study in 2009. The study lists the possible sources of contamination and the level of their severity, for each reservoir. For information about the SWSA study, contact TCEQ at 512-239-4691.

### Where does our water come from?

Mansfield is a member of the Tarrant Regional Water District along with Fort Worth, Arlington, Benbrook and Trinity River Authority. TRWD primarily pumps water from Cedar Creek and Richland Chambers reservoirs in east Texas. The TRWD can also supply water from the Benbrook reservoir. Our drinking water is obtained from surface water sources such as Benbrook Lake, Richland Chambers Reservoir and Cedar Creek Reservoir. Lakes and reservoirs collect rainfall and runoff. The area that drains into a lake or reservoir is called a drainage basin. The drainage basins usually include creeks and rivers that run into the lake. The lake, as well as the creeks and rivers, are impacted by the runoff from the land use in the drainage basin. The sources of drinking water, 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,



Important Contact Information	
Bud Ervin Water Treatment Plant	817-477-2248
Utility Billing Information	817-276-4200
City Hall	817-276-4200
Water Utility Field Office	
Distribution Issues	817-473-8411
Sewer System Issues	817-473-8411
Grease Trap Inspection	817-473-8411
Water Emergencies-After Hours	817-473-8411
Environmental Services Department	
Drainage Issues	817-276-4240
Trash Collection	817-276-4240
Recycling Questions	817-276-4240
Water Treatment Plant:	
Backflow Prevention Device Testing	817-477-2248 ext 2003
Irrigation System Issues	817-477-2248 ext 2003
Industrial Pretreatment	817-477-2248 ext 2003
Water Restriction Questions	817-477-2248 ext 2003
Report Water Waste	817-477-2248 ext 2003
Water Quality Questions	817-477-2248 ext 2013
Hydration Station Reservations	817-477-2248 ext 2026
Volunteer Programs-Keep Mansfield Beautiful	817-477-2248 ext 2026
Water Utility Class Registration	817-477-2248 ext 2026
Water Treatment Plant Tours	817-477-2248 ext 2026



Don't forget to take the survey for a chance to win a free iPad courtesy of Alan Plummer Associates, Inc. There are 2 ways to take the survey: scan the QR code or visit <https://www.surveymonkey.com/s/DWQRSurvey>

All surveys are due by July 31, 2014. Winners will be announced on the City of Mansfield Facebook page and Twitter page.



Like us on [facebook.com/CityMansfieldTX](https://www.facebook.com/CityMansfieldTX)  
Follow us on [twitter.com/CityMansfieldTX](https://twitter.com/CityMansfieldTX)