



2015 DRINKING WATER QUALITY REPORT

May 2016



Nominations Open



The City is accepting nominations for Volunteer of the Year! Nominate your favorite volunteer for the Neighborhood Leadership Award or the Carrollton Volunteer of the Year Award by Friday, May 27 at 11:30 a.m. We are grateful for all of our volunteers and their efforts that make many programs possible.

24/7 Drug Disposal Unit

The Police Department recently installed a secure medication disposal unit in the Jail lobby (2001 E. Jackson Road). The intent is to give citizens a safe place to dispose of medications that are no longer wanted or needed. No needles or sharp objects. Open and video monitored 24/7.

Summer Food Program

Monday, June 6-Friday, August 19

Children up to 18 years old, regardless of income, are eligible for free lunch served from 12 to 1 pm at Crosby Recreation Center and 1 to 2 pm at Rosemeade Recreation Center. Snacks will be served from 3 to 3:30 pm at both locations. For more information, call 972-466-3080 or visit cityofcarrollton.com.

**West Nile/
Zika Season
Reminder:
Practice the 4Ds.**

cityofcarrollton.com/zika



Why You've Received This Report

This report is produced annually and is required by the United States Environmental Protection Agency (EPA) in order to provide information about your water system, such as source water, the levels of detected contaminants, and compliance with drinking water rules. It describes the susceptibility and types of constituents that may come into contact with your drinking water source based on human activities and natural conditions. The presence of these substances in drinking water does not necessarily pose a health risk. The information contained in the assessment assists in identifying source water protection strategies. For more information, please contact Water Quality at 972-466-3425.

Where We Get Our Drinking Water

The City contracts with the City of Dallas for our community's water supply. Dallas uses surface water from seven sources: the Elm Fork of the Trinity River and lakes Ray Roberts, Lewisville, Grapevine, Ray Hubbard, Tawakoni, and Fork. Dallas Water Utilities (DWU) and the City of Carrollton are a "Superior" rated water system by the Texas Commission on Environmental Quality (TCEQ) agency.

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.

In order to ensure that tap water is safe to drink, the U.S. EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. The U.S. Food and Drug Administration (FDA), which provides the same protection for public health, prescribes regulations which establish limits for contaminants in bottled water.

Special Notice for the elderly, infants, cancer patients, people with HIV/AIDS, and 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 from infection. 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 on the Safe Drinking Water Hotline at 1-800-426-4791.

Cryptosporidium

Cryptosporidium is a tiny intestinal parasite naturally present in lakes and rivers when the water is contaminated with sewage or animal wastes. If ingested, cryptosporidium may cause cryptosporidiosis, an abdominal infection (symptoms include nausea, diarrhea, and abdominal cramps). Some of the ways cryptosporidium can be spread include drinking contaminated water, eating contaminated food that is raw or undercooked, exposure to the feces of animals or infected individuals (i.e. changing diapers without washing hands afterward), or exposure to contaminated surfaces. Not everyone exposed to the organism becomes ill. People with healthy immune systems will usually recover within two weeks.

For questions about water quality or to request a speaker for your group, please call Carrollton Public Works at 972-466-3425.

24-Hour Service Hotline: 972-466-3425

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Lakes Course Reopened

We hope you don't spend too much time in the sand on your next golf outing, but if you do, know you will be pleased with the updated bunker quality along with the addition of new golf carts equipped with USB ports. The Lakes Course has reopened and the Creek Course is scheduled to open this summer. Visit indiancreekgolfclub.com for tee time reservations and updates.

Multigenerational Swing



Carrollton's Francis Perry Park (1400 Francis Road), furnished with new train-themed playground equipment fit for the whole family, is now complete and open for play. The new equipment is larger and more multifaceted than the previous playground, and it includes a new Generation Swing which allows siblings, parents, grandparents, or caretakers to enjoy face to face, simultaneous swinging with a toddler.

Fireworks Are Prohibited

Thousands of injuries associated with sparklers, bottle rockets, firecrackers, and roman candles occur every year with several resulting in deaths. Sparklers pose one of the biggest dangers to children; the temperature at the end of a sparkler reaches 2,000°F—hot enough to melt gold!

Remember, the City of Carrollton specifically prohibits the possession, manufacture, storage, sale, handling, and use of fireworks and is considered a misdemeanor and subject to a fine and/or jail time. Citizens who have fireworks may turn them in to any fire station without penalty. To report illegal use of fireworks, call 9-1-1. For more information, contact Carrollton Fire Rescue, Prevention Division, at 972-466-3210 or cityofcarrollton.com/fire.

Quiet Zones Completed

Shhh...Railroad quiet zones are now in effect.

cityofcarrollton.com/quietzones

Dallas has tested for cryptosporidium in both untreated and treated water. It has been found only in the untreated water supply. Cryptosporidium has not been found in Dallas treated drinking water. To protect your drinking water, Dallas works to protect the watershed from contamination and optimizes treatment processes. Although Dallas' water treatment process removes cryptosporidium, immuno-compromised persons should consult their doctors regarding appropriate precautions to take to avoid infection. Please call the EPA's Safe Drinking Water Hotline at 1-800-426-4791 to request more information.

Source Water Assessment and Protection

TCEQ completed an assessment of Dallas' source water and results indicate that some of our sources are susceptible to certain contaminants. The sampling requirements for Dallas' water system are based on this susceptibility and previous sample data. Any detections of these contaminants will be found in this Consumer Confidence Report.

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 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 stormwater 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 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; and
- radioactive contaminants, which can be naturally occurring or the result of oil and gas production and mining activities.

Many constituents (such as calcium, sodium, or iron) found in drinking water, can cause taste, color, and odor problems. These constituents are not necessarily cause for health concerns; therefore, are not required to be reported in this document but may greatly affect the appearance and taste of your water.

Water Loss

In the water loss audit submitted to the Texas Water Development Board for the time period of January 1, 2015 to December 31, 2015, the City of Carrollton's water distribution system lost an estimated 6.08% of the system input volume. The national recommended water loss standard pertaining to American Water Works Association is 10% or less. For questions, call the City at 972-466-3425.

Este reporte incluye información importante sobre el agua potable. Para obtener una copia en Español, llame al 972-466-3593.

— Summer Reading Program



H2-Olympics, June 7, 10:30-11:30 am, Ages: 6+, Josey Ranch Lake Library—Celebrate the Olympics with summertime water games, and learn about the importance of water. Please wear shoes appropriate for running and jumping.

Mobile Dairy Classroom, June 18, 10 am, All Ages, Josey Ranch Lake Library—Learn how milk gets from the farm to the store, how cows are milked, and how milk keeps us healthy.

Science of Spin "Whirled on a String," June 25, 2-3 pm, Ages: 7+, Josey Ranch Lake Library—Learn the art of yo-yo and the physics of spin. **Registration required starting 6/11.**

Hula Hooping with Swiss, July 9, 2-3 pm, Ages: 6+, Hebron & Josey Library—Join Swiss the Entertainer for hula hoop dancing, poi spinning, and interactive tricks.

Escape from Couch Potato Land, July 20, 2 pm, Ages: 3-10, Hebron & Josey Library—Enjoy a musical comedy by The Pipdillys with original songs, imagination games, magic, and circus skills.

U Jam Fitness Class, July 30, 2 pm, Ages: 8-12, Hebron & Josey Library—Shake it up with this exciting, athletic cardio dance fitness program using world beats with an urban flavor.

Yoga for Kids, August 3, 2 pm, Ages: 6+, Hebron & Josey Library—Practice basic yoga poses that will increase strength, flexibility, balance, and self-confidence.

 cityofcarrollton.com/library

Water Quality Data Report 2015

This is a summary of water quality data for Dallas Water Utilities/City of Carrollton. The list includes parameters which DWU/City of Carrollton currently test for, in accordance with Federal and State Water Quality Regulations. The frequency of testing varies depending on the parameters and are in compliance with established standards. Dallas Water Utilities and the City of Carrollton are a "Superior" Rated Water System by Texas Commission on Environmental Quality. All three water treatment plants are optimized and certified by meeting the Texas Optimization Program and Partnership for Safe Drinking Water Criteria. Dallas/City of Carrollton water exceeds Federal and State water quality parameters.

CONTAMINANT	YEAR OF RANGE	LEVEL			MCL	MCLG	UNIT OF MEASURE	SOURCE OF CONTAMINANTS
		AVERAGE	MINIMUM	MAXIMUM				
INORGANIC CONTAMINANTS								
Fluoride	2015	0.529	0.521	0.536	4	4	ppm	Erosion of natural deposits; water additive which promotes strong teeth.
Nitrate (as N)	2015	0.771	0.304	1.01	10	10	ppm	Run-off from fertilizer use; leaching from septic tanks, sewage, erosion of natural deposits.
Cyanide	2015	77.2	23	155	200	200	ppb	Discharge from steel/metal factories; discharge from plastic and fertilizer factories.
Bromate	2015	<0.3	<0.03	<0.3	10	0	ppb	Byproduct of drinking water disinfection.
Antimony	2015	0.21	<0.2	0.32	6	6	ppb	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder.
Arsenic	2015	0.32	<0.7	0.95	10	0	ppb	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.
Barium	2015	0.023	0.013	0.041	2	2	ppm	Discharge of drilling waste; discharge from metal refineries; erosion of natural deposits.
Chromium (Total)	2015	0.82	0.78	0.86	100	100	ppb	Discharge from steel and pulp mills; erosion of natural deposits.
Selenium	2015	1.57	<1	2.8	50	50	ppb	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines.
Combined Radium (226 & 228)	2011	1	1	1	5	0	pCi/L****	Erosion of natural deposits.
Gross beta particle activity	2011	5.3	4	7.2	50	0	pCi/L****	Decay of natural or man-made deposits.
ORGANIC CONTAMINANTS								
Atrazine	2015	0.11	<0.08	0.3	3	3	ppb	Runoff from herbicide on row crops.
Simazine	2015	0.04	<0.05	0.25	4	4	ppb	Herbicide runoff.
DISINFECTION BY PRODUCTS¹								
Total Haloacetic Acid***	2015	19.4	<1	26.4	60	N/A	ppb	Byproduct of drinking water disinfection.
Total Trihalomethanes (TTHMs) ¹	2015	17.4	5.4	36.1	80	N/A	ppb	Byproduct of drinking water disinfection.
Some people who drink water containing TTHMs in excess of the maximum contaminant level (MCL) over many years may experience problems with their liver, kidneys, or nervous systems and may lead to an increased risk of getting cancer.								
TOTAL ORGANIC CARBON								
Total Organic Carbon	2015	4.11	2.71	5.03	Treated Water Alkalinity <60 mg/L as CaCO ₃		ppm	Naturally present in the environment.
DISINFECTANT								
			Minimum	Maximum	MRDL	MRDLG	Unit of Measure	
Total Chlorine Residual ¹	2015	3.35	1.4	4	4*	4*	ppm	In distribution system—water additive used to control microbes.
Some people who use water containing chlorine well in excess of the MRDL could experience irritating effects to their eyes and nose. Some people who drink water containing chlorine well in excess of the MRDL could experience stomach discomfort.								
LEAD AND COPPER²								
		90th Percentile**	# of Sites Exceeding Action Level		Action Level	Unit of Measure		
Lead ²	2012	0.004053	4		0.015	ppm		Corrosion of household plumbing systems; erosion of natural deposits.
Copper ²	2012	0.420894	0		1.3	ppm		Corrosion of household plumbing systems; erosion of natural deposits.
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. This water supply is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at epa.gov/safewater/lead .								
TURBIDITY								
Turbidity	2015	Highest Single Measurement	Lowest Monthly % of Samples Meeting Limits		Turbidity Limits	Unit of Measure		
		0.22	100%		0.3	NTU		Soil runoff.
TOTAL COLIFORMS¹								
		Highest Monthly % of Positive Samples				Unit of Measure		
Total Coliforms Bacterial ¹	2015	1.96%		5% or more of monthly samples		Found/Not Found		Naturally present in the environment.
UNREGULATED CONTAMINANTS								
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 following table. For additional information, call the Safe Drinking Water Hotline at 800-426-4791.								
Chloroform	2015	7.31	5.25	11.2	N/A	70	ppb	Byproduct of drinking water disinfection.
Bromodichloromethane	2015	4.84	3.49	6.80	N/A	0	ppb	Byproduct of drinking water disinfection.
Dibromochloromethane	2015	1.86	1.31	2.26	N/A	60	ppb	Byproduct of drinking water disinfection.

*as annual average

**90 percentile value in the distribution system

***Haloacetic Acids – five species

****50 pCi/L – 4 mrem/yr

¹This data was collected in the City of Carrollton.

²This data is from the most recent sampling in 2012. The City's lead/copper sampling is scheduled to take place again in 2016.
Note: The City of Carrollton took approximately 1,247 samples in 2015 to test for total coliform bacteria.

Terminology Used in the Report

Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Mrem/year: Millirem per year (measure of radiation absorbed by the body).

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

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL): 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.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

ND: Not detected.

Nephelometric Turbidity Units (NTU): Measure of turbidity in water.

pCi/L: Pico-curies per liter (a measure of radioactivity).

ppb: Parts per billion or micrograms per liter (ug/L).

ppm: Parts per million or milligrams per liter (mg/L).

Turbidity: A measure of the clarity of drinking water. The lower the turbidity, the better.



Upcoming Events

Watch a Movie With Us



Movie on the Square, movies begin at sunset, Ages: All, Free, Downtown Carrollton—Bring lawn chairs or blankets and enjoy a movie under the stars. Come early to enjoy local dining and shopping.

June 11 *Princess Bride* (1987), PG

July 9 *Jurassic World* (2015), PG-13

Swim-in Cinema, July 22, 7-10 pm, Rosemeade Rainforest Aquatic Complex—

Join us for a poolside movie: *Inside Out*.

Open swim from 7 pm to dusk and movie after sunset. Cost to attend is \$5 for residents, \$7 for non-residents, and \$3 for children ages 4-6 (season pass holders receive a \$2 discount). Driver's license must be presented for resident rates. Tickets sold at the event.

Beat the Heat—Cool Tuesday Movies, 1 pm, Ages: 6+, Free, Josey Ranch Lake Library—Bring snacks and your pillow or sleeping bag and enjoy fun family films.

June 7 *Minions* (2015), PG

June 14 *Goosebumps* (2015), PG

June 21 *Cinderella* (2015), PG

June 28 *Tomorrowland* (2015), PG

July 5 *Hotel Transylvania 2* (2015), PG

July 12 *Strange Magic* (2015), PG

July 19 *Shaun the Sheep* (2015), PG

July 26 *Descendants* (2015), PG

Aug. 2 *The Good Dinosaur* (2015), PG

Retro Cinema-Wednesdays,

6:30 pm, Ages: All, Free, Josey Ranch Lake Library—Bring snacks and indulge in beloved movies from the '80s and '90s.

June 15 *Clue* (1995), PG

June 29 *Goonies* (1985), PG

July 13 *Hook* (1991), PG

July 27 *Back to the Future* (1985), PG

Concerts on the Square

June 25 & July 23 • 6-8 pm • FREE Downtown Carrollton

The summer series will feature cover bands live from the Gazebo on the 4th Saturday of the month. Bring a blanket or chairs, and spend time with family and friends enjoying the outside while listening to great tunes. Maybe they'll play your favorite '80s tunes or that '90s one-hit wonder.

Video Game Mania

Fridays • 3:30-5 pm • Teens Only • FREE Josey Ranch Lake Library

Come play video games with us every Friday and compete with your friends. But wait, there's more: we'll also have tables available if you want to bring your Yu-Gi-Oh or *Magic: The Gathering* decks and duel!

June 10, July 8 **Tournament Style Games**

June 17, July 15 **Party Games**

July 1 **Retrogames**

June 24, July 22 **Free for All**

July 29

Visit cityofcarrollton.com/library or [facebook.com/cplteenleague](https://www.facebook.com/cplteenleague) for more information.

Lava Luau

Saturday, June 18 • 2-8 pm • FREE Downtown Carrollton



Celebrate the first weekend of summer with a tiki-fest! This family-fun event will host a summertime kick-off party complete with live music, hula dancers, vendors, contests, and photo opportunities—all tied to a fun "summer tiki" theme. Featuring live performances by Combo Mahalo, The Thunderchiefs, The Tiki Torches, Grace Hula Dance Company, and more. For a full schedule, visit cityofcarrollton.com/lavaluau. Hosted by Aloha Amigo Productions.

July 4 Fireworks Display

Monday, July 4 • 9:30 pm • FREE Fireworks Shot from Josey Ranch Lake



The City will host a 15-minute community fireworks display scheduled to begin after sunset. Attendees are encouraged to view the display from their neighborhood or from one of the few parking areas available. There will be no on-site event. Rain out date is July 5.

- **Shape-Up Saturdays for Teens, June 11/June 25/July 9, 12-1 pm**—Learn fun, high energy ways to stay in shape. Wear work-out clothes and sneakers. Visit cityofcarrollton.com for locations.
- **Game On! for Adults, June 11/ July 9, 3:30-5:30 pm, Hebron & Josey Library**—Check out the latest trending games and feel free to bring your own to share with others.
- **Pool Pass Holder Party, June 17, 7-10 pm, Rosemeade Rainforest Aquatic Complex**—All 2016 individual and family season pass holders (**only**) are invited for open swim, games, and summertime fun.
- **Ask An Expert: Ice, June 21, 11 am-12 pm, Ages 5+, Perry Museum**—Learn all about making ice, then and now. See an antique ice box and examine a real 50-pound block of ice while enjoying a tall glass of lemonade. **Registration required by June 19.**
- **Fan Days for Teens, June 26 (Fantasy)/ July 17 (Anime & Cosplay), 2-4:30 pm, Hebron & Josey Library**—A different fandom every month with food, crafts, and binge watching shows.
- **Ask An Expert: Photography, June 28, 11 am-12 pm, Ages: 5+, Perry Museum**—Ask questions about the art and skill of modern photography, explore our collection of reproduction stereoscope images, and make and take a craft to go! **Registration required by June 26.**
- **4th of July Concert, July 1, 12 pm, Senior Center**—Join us for a patriotic concert performed by Dallas New Horizons. Open to all ages.
- **Teen Board Game Night, July 7, 6:30-8:30 pm, Hebron & Josey Library**—Betray your friends in *The Resistance* or show off your art skills in *Telestrations*.
- **Picnic in the Park, July 9, 10 am-1 pm, Harvest Run Park**—Join your family, friends, and neighbors at the citywide outdoor community picnic to enjoy good food and a variety of fun activities including arts and crafts, games, sports, and play on the playground.
- **Cool Down Thursdays, July 14, 1 pm, Perry Museum**—Learn some old-fashioned tips and tricks for staying cool in the hot Texas summer. **Registration required by July 12.** Cost is \$5 per family, up to five people.