

# 2015 Consumer Confidence Report

The Consumer Confidence Report is a summary of the quality of the water North Texas Municipal Water District (NTMWD) provides to its customers. The report includes analysis results from the most current USEPA required water quality tests. NTMWD hopes this information helps you, the consumer, become more knowledgeable about your drinking water supply.

## Providing Safe Drinking Water

The NTMWD provides safe and reliable drinking water to meet the needs of the citizens it serves. With a service area of 2,200 square miles and serving in excess of 1.6 million individuals, it is of utmost importance to assure that water quality meets or exceeds all Safe Drinking Water Standards established by the U.S. Environmental Protection Agency (USEPA) as well regulations set by the Texas Commission on Environmental Quality (TCEQ). The NTMWD utilizes a multi-barrier treatment process to accomplish this goal. The treatment process eliminates or reduces particulates, impurities, and waterborne microorganisms in the water supply. The NTMWD routinely performs a range of water quality tests prior to, during, and after the water treatment process to ensure that high quality water is delivered to those served.

## NTMWD Water Supply Sources

The water NTMWD uses for supply is obtained from several surface water sources:

- Lavon Lake
- Lake Texoma
- Jim Chapman Lake (Cooper Lake)
- Lake Tawakoni (through a contract with the Sabine River Authority)
- East Fork Raw Water Supply Project (Wetland)

For detailed information on our water sources, treatment processes and more, visit our website at [www.ntmwd.com](http://www.ntmwd.com).

## TERMS TO KNOW

### DEFINITIONS

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

**Action Level Goal (ALG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety.

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

**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.

**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.

### ABBREVIATIONS

<b>Avg:</b>	Regulatory compliance with some MCLs are based on running annual average of monthly samples
<b>MFL:</b>	Million fibers per liter (a measure of asbestos)
<b>NA:</b>	Not applicable
<b>NTU:</b>	Nephelometric Turbidity Units (a measure of turbidity)
<b>pCi/L:</b>	Picocuries per liter (a measure of radioactivity)
<b>ppm:</b>	Milligrams per liter or parts per million - or one ounce in 7,350 gallons of water
<b>ppb:</b>	Micrograms per liter or parts per billion - or one ounce in 7,350,000 gallons of water
<b>ppq:</b>	Parts per quadrillion, or picograms per liter (pg/L)
<b>ppt:</b>	Parts per trillion, or nanograms per liter (ng/L)

The tables in this report contain scientific terms and measures, some of which may require explanation. Please refer to the terms on this page as a resource for interpreting the data.

# Source Water Susceptibility Assessments

## Wylie Water Treatment Plants

The TCEQ completed an assessment of the NTMWD Wylie Water Treatment Plant source water from Lavon Lake, and results indicate that some of those sources are susceptible to certain contaminants. The sampling requirements for the NTMWD Wylie Water Treatment Plant Water System are based on this susceptibility and previous sample data. Any detections of these contaminants may be found in this Consumer Confidence Report.

## Tawakoni Water Treatment Plant

A Source Water Susceptibility Assessment for the NTMWD Tawakoni Water Treatment Plant water source from Lake Tawakoni is currently being conducted by the TCEQ and should be provided this year. The report will describe the susceptibility and types of constituents that may come into contact with Lake Tawakoni based on human activities and natural conditions. The information in this assessment will allow NTMWD to focus on source water protection strategies.

For more information on source water assessments and protection efforts at the NTMWD Wylie Water Treatment Plant system, contact the NTMWD Environmental Services Department at (972) 442-5405 or EMAIL: [environmental.info@ntmwd.com](mailto:environmental.info@ntmwd.com)

For more information about your sources of water, please refer to the Source Water Assessment Viewer available at the following URL:

<http://gis3.tceq.state.tx.us/swav/Controller/index.jsp?wtrsrc=>

Further details about sources and source-water assessments are available in Drinking Water Watch at the following URL:  
<http://dww.tceq.texas.gov/DWW>



## Water Loss

### Leaks Can Be Silent Water Wasters

The key to early leak detection is being aware of your typical monthly water usage amount (number of gallons). During winter months, we typically use less water because warmer weather months can be accompanied by more outdoor irrigation (a big water user).

Knowing your typical winter usage amount, and comparing it to the gallons of usage on your current bill, can help you determine if the spike you see may be due to outdoor water use, or a possible silent leak.

A silent water leak may be found indoors or outdoors, and may be as simple as a leaky toilet valve/flapper or a broken irrigation system component. Checking for and repairing leaks is one way to help manage your water bill. Another way is by subscribing to receive free weekly outdoor watering recommendations based on your local weather data at [www.WaterMyYard.org](http://www.WaterMyYard.org).

## Lead in Your Home's Water:

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. NTMWD 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 two minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

## Sources of Drinking Water Contaminants

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 USEPA's Safe Drinking Water Hotline at (800) 426-4791.

## What might be present in water before it is treated?

Contaminants that may be present in source water before treatment include:

- Microbial contaminants, such as viruses and bacteria, which may come from wastewater treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.
- Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.





## ABOUT YOUR WATER SUPPLIER

### NTMWD Board of Directors Meetings

NTMWD Board of Director's Meetings are held on the fourth Thursday of each month with adjustments made for holidays or other conflicts. Meetings are held at 501 E. Brown Street, Wylie, Texas in the Board Room and begin at 4:00 p.m., unless otherwise posted on the agenda. A schedule of Board of Director's Regular Meetings held throughout the year can be found at [www.ntmwd.com](http://www.ntmwd.com).

The North Texas Municipal Water District ("NTMWD" or "the District") is a conservation and reclamation district and political subdivision of the State of Texas, created and functioning under Article XVI, Section 59, of the Texas Constitution, pursuant to Chapter 62, Acts of 1951, 52nd Legislature of Texas, Regular Session, as amended (the ACT). An amendment to the NTMWD's creating ACT by the legislature in 1975, Section 27, authorizes the NTMWD to acquire, treat, and distribute potable water, and to collect, treat and dispose of wastes, both liquid and solid, in order to reduce pollution, conserve and develop the natural resources of Texas.

The primary mission of the District is to meet the various needs of the NTMWD Member Cities and Customers, whether that is the need for drinking water, solid waste disposal or wastewater treatment. The District acts as a regional wholesaler of water to its Member Cities and Customers. Rates for services are set at cost. No profits are included, and no taxes are collected. Unit costs for services are lower because the services are regional.

### Contact NTMWD About Water Quality



For more information regarding this report, contact:  
NTMWD Environmental Services Department at  
(972) 442-5405  
[ENVIRONMENTAL.INFO@NTMWD.COM](mailto:ENVIRONMENTAL.INFO@NTMWD.COM)

### En Español

Este informe contiene información muy importante sobre el agua que usted bebe. Tradúzcalo o hable con alguien que lo entienda bien.

### NTMWD Water Treatment Plants Service Areas

The NTMWD Member Cities and Customers (except the City of Bonham) are served by the Wylie Water Treatment Plant. In addition, the following areas routinely receive water from the Tawakoni Water Treatment Plant:

- City of Terrell
- City of Kaufman
- College Mound SUD
- Gastonia-Scurry SUD
- Rose Hill SUD

In higher demand periods, the following areas may also receive water from the Tawakoni Water Treatment Plant:

- City of Forney
- City of Mesquite (south portions)
- Forney Lake WSC
- Kaufman Four-One
- Town of Sunnyvale

The City of Bonham is currently the only area serviced by the Bonham Water Treatment Plant.

## SPECIAL NOTICES

### Vulnerability of Some Populations to Contaminants in Drinking Water

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 infections. You should seek advice about drinking water from your physician or health care provider. Additional guidelines on appropriate means to lessen the risk of infection by Cryptosporidium are available from the Safe Drinking Water Hotline (800) 426-4791.

### NTMWD Tests for Cryptosporidium

The NTMWD continues to diligently analyze both source water and treated water for the presence of Cryptosporidium, and it has not been detected in any of the samples tested. Cryptosporidium is a microbial parasite that may be commonly found in surface water. Cryptosporidium may come from animal and human feces in the watershed. Although treatment by filtration removes Cryptosporidium, it cannot guarantee 100 percent removal. The testing methods used cannot determine if the organisms are alive and capable of causing cryptosporidiosis, an abdominal infection with nausea, diarrhea and abdominal cramps that may occur after ingestion of contaminated water.

### Taste and Odor of Drinking Water

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, you can contact NTMWD offices or read about common causes on the NTMWD website at: [www.ntmwd.com/taste\\_odor.html](http://www.ntmwd.com/taste_odor.html).

# 2015 Water Quality Results - Wylie Water Treatment Plants

## Coliform Bacteria

Maximum Contaminant Level Goal	Total Coliform Maximum Contaminant Level	Highest No. of Positive	Fecal Coliform or E. Coli Maximum Contaminant Level	Total No. of Positive E. Coli or Fecal Coliform Samples	Violation	Likely Source of Contamination
0	1 positive monthly sample	2	0	0	No	Naturally present in the environment.

**NOTE:** Reported monthly tests found no fecal coliform bacteria. Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, bacteria may be present.

## Regulated Contaminants

Disinfectants and Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Total Haloacetic Acids (HAA5)	2015	21.4	21.4 - 21.4	No goal for the total	60	ppb	No	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2015	41.6	41.6 - 41.6	No goal for the total	80	ppb	No	By-product of drinking water disinfection.
Bromate	2015	8.9	0.0 - 8.9	5	10	ppb	No	By-product of drinking water ozonation.

**NOTE:** Not all sample results may have been used for calculating the Highest Level Detected because some results may be part of an evaluation to determine where compliance sampling should occur in the future.

Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Antimony	2015	0.2	0-0.2	6	6	ppb	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; and test addition.
Arsenic	2015	0.7	0.0-0.7	0	10	ppb	No	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.
Barium	2015	0.055	0.039-0.055	2	2	ppm	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Beryllium	2015	Levels lower than detect level	0 - 0	4	4	ppb	No	Discharge from metal refineries and coal-burning factories; discharge from electrical, aerospace, and defense industries.
Cadmium	2015	Levels lower than detect level	0 - 0	5	5	ppb	No	Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoff from waste batteries and paints.
Chromium	2015	0.92	0.53 - 0.92	100	100	ppb	No	Discharge from steel and pulp mills; erosion of natural deposits.
Fluoride	2015	0.86	0.25 - 0.86	4	4	ppm	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
Mercury	2015	Levels lower than detect level	0 - 0	2	2	ppb	No	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland.
Nitrate (measured as Nitrogen)	2015	1.79	0.05 - 1.79	10	10	ppm	No	Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits.
Selenium	2015	2	0 - 2	50	50	ppb	No	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines.
Thallium	2015	Levels lower than detect level	0 - 0	0.5	2	ppb	No	Discharge from electronics, glass, and leaching from ore-processing sites; drug factories.

**NITRATE ADVISORY:** Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant you should ask advice from your health care provider.

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Beta/photon emitters	4/29/2010	4.4	4.4 - 4.4	0	50	pCi/L	No	Decay of natural and man-made deposits.
Gross alpha excluding radon and uranium	4/29/2010	Levels lower than detect level	0 - 0	0	15	pCi/L	No	Erosion of natural deposits.
Radium	NA	NA	NA	0	5	pCi/L	No	Erosion of natural deposits.

Synthetic organic contaminants including pesticides and herbicides	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
2, 4, 5 - TP (Silvex)	2013	Levels lower than detect level	0 - 0	50	50	ppb	No	Residue of banned herbicide.
2, 4 - D	2013	Levels lower than detect level	0 - 0	70	70	ppb	No	Runoff from herbicide used on row crops.
Alachlor	2015	Levels lower than detect level	0 - 0	0	2	ppb	No	Runoff from herbicide used on row crops.
Atrazine	2015	0.19	0.13-0.19	3	3	ppb	No	Runoff from herbicide used on row crops.
Benzo (a) pyrene	2015	Levels lower than detect level	0 - 0	0	200	ppt	No	Leaching from linings of water storage tanks and distribution lines.
Carbofuran	2013	Levels lower than detect level	0 - 0	40	40	ppb	No	Leaching of soil fumigant used on rice and alfalfa.
Chlordane	2015	Levels lower than detect level	0 - 0	0	2	ppb	No	Residue of banned termiticide.
Dalapon	2013	Levels lower than detect level	0 - 0	200	200	ppb	No	Runoff from herbicide used on rights of way.
Di (2-ethylhexyl) adipate	2015	Levels lower than detect level	0 - 0	400	400	ppb	No	Discharge from chemical factories.
Di (2-ethylhexyl) phthalate	2015	0.7	0.0 - 0.7	0	6	ppb	No	Discharge from rubber and chemical factories.
Dibromochloropropane (DBCP)	2013	Levels lower than detect level	0 - 0	0	0	ppt	No	Runoff / leaching from soil fumigant used on soybeans, cotton, pineapples, and orchards.
Dinoseb	2013	Levels lower than detect level	0 - 0	7	7	ppb	No	Runoff from herbicide used on soybeans and vegetables.
Endrin	2015	Levels lower than detect level	0 - 0	2	2	ppb	No	Residue of banned insecticide.
Ethylene dibromide	2013	Levels lower than detect level	0 - 0	0	50	ppt	No	Discharge from petroleum refineries.
Heptachlor	2015	Levels lower than detect level	0 - 0	0	400	ppt	No	Residue of banned termiticide.
Heptachlor epoxide	2015	Levels lower than detect level	0 - 0	0	200	ppt	No	Breakdown of heptachlor.
Hexachlorobenzene	2015	Levels lower than detect level	0 - 0	0	1	ppb	No	Discharge from metal refineries and agricultural chemical factories.
Hexachlorocyclopentadiene	2015	Levels lower than detect level	0 - 0	50	50	ppb	No	Discharge from chemical factories.
Lindane	2015	Levels lower than detect level	0 - 0	200	200	ppt	No	Runoff / leaching from insecticide used on cattle, lumber, and gardens.
Methoxychlor	2015	Levels lower than detect level	0 - 0	40	40	ppb	No	Runoff / leaching from insecticide used on fruits, vegetables, alfalfa, and livestock.
Oxamyl [Vydate]	2013	Levels lower than detect level	0 - 0	200	200	ppb	No	Runoff / leaching from insecticide used on apples, potatoes, and tomatoes.
Pentachlorophenol	2015	Levels lower than detect level	0 - 0	0	1	ppb	No	Discharge from wood preserving factories.
Simazine	2015	Levels lower than detect level	0 - 0	4	4	ppb	No	Herbicide runoff.
Toxaphene	2015	Levels lower than detect level	0 - 0	0	3	ppb	No	Runoff / leaching from insecticide used on cotton and cattle.

Volatile Organic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
1, 1, 1 - Trichloroethane	2015	Levels lower than detect level	0 - 0	200	200	ppb	No	Discharge from metal degreasing sites and other factories.
1, 1, 2 - Trichloroethane	2015	Levels lower than detect level	0 - 0	3	5	ppb	No	Discharge from industrial chemical factories.
1, 1 - Dichloroethylene	2015	Levels lower than detect level	0 - 0	7	7	ppb	No	Discharge from industrial chemical factories.
1, 2, 4 - Trichlorobenzene	2015	Levels lower than detect level	0 - 0	70	70	ppb	No	Discharge from textile-finishing factories.
1, 2 - Dichloroethane	2015	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from industrial chemical factories.
1, 2 - Dichloropropane	2015	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from industrial chemical factories.
Benzene	2015	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from factories; leaching from gas storage tanks and landfills.
Carbon Tetrachloride	2015	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from chemical plants and other industrial activities.

Chlorobenzene	2015	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from chemical and agricultural chemical factories.
Dichloromethane	2015	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from pharmaceutical and chemical factories.
Ethylbenzene	2015	Levels lower than detect level	0 - 0	0	700	ppb	No	Discharge from petroleum refineries.
Styrene	2015	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from rubber and plastic factories; leaching from landfills.
Tetrachloroethylene	2015	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from factories and dry cleaners.
Toluene	2015	Levels lower than detect level	0 - 0	1	1	ppm	No	Discharge from petroleum factories.
Trichloroethylene	2015	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from metal degreasing sites and other factories.
Vinyl Chloride	2015	Levels lower than detect level	0 - 0	0	2	ppb	No	Leaching from PVC piping; discharge from plastics factories.
Xylenes	2015	Levels lower than detect level	0 - 0	10	10	ppm	No	Discharge from petroleum factories; discharge from chemical factories.
cis - 1, 2 - Dichloroethylene	2015	Levels lower than detect level	0 - 0	70	70	ppb	No	Discharge from industrial chemical factories.
o - Dichlorobenzene	2015	Levels lower than detect level	0 - 0	600	600	ppb	No	Discharge from industrial chemical factories.
p - Dichlorobenzene	2015	Levels lower than detect level	0 - 0	75	75	ppb	No	Discharge from industrial chemical factories.
trans - 1, 2 - Dichloroethylene	2015	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from industrial chemical factories.

## Turbidity

	Limit (Treatment Technique)	Level Detected	Violation	Likely Source of Contamination
Highest single measurement	1 NTU	0.65 NTU	No	Soil runoff.
Lowest monthly percentage (%) meeting limit	0.3 NTU	99.00%	No	Soil runoff.

**NOTE:** Turbidity is a measurement of the cloudiness of the water caused by suspended particles. We monitor it because it is a good indicator of water quality and the effectiveness of our filtration.

## Maximum Residual Disinfectant Level

Chemical Used	Year	Average Level of Quarterly Data	Lowest Result of Single Sample	Highest Result of Single Sample	MRDL	MRDLG	Units	Source of Chemical
Chlorine Residual (Chloramines)	2015	3.04	1.23	4.7	4.0	<4.0	ppm	Disinfectant used to control microbes.
Chlorine Dioxide	2015	0	0	0.03	0.8	0.8	ppm	Disinfectant.
Chlorite	2015	0.03	0	0.33	1.0	N/A	ppm	Disinfectant.

## Total Organic Carbon

	Collection Date	Highest Level Detected	Range of Levels Detected	Units	Likely Source of Contamination
Source Water	2015	7.6	3.82 - 7.60	ppm	Naturally present in the environment.
Drinking Water	2015	6.32	1.45 - 6.32	ppm	Naturally present in the environment.
Removal Ratio	2015	62.0%	21.9 - 62.0	% removal *	N/A

**NOTE:** Total organic carbon (TOC) has no health effects. The disinfectant can combine with TOC to form disinfection by-products. Disinfection is necessary to ensure that water does not have unacceptable levels of pathogens. By-products of disinfection include trihalomethanes (THMs) and haloacetic acids (HAA) which are reported elsewhere in this report.

\* Removal ratio is the percent of TOC removed by the treatment process divided by the percent of TOC required by TCEQ to be removed.

## Lead and Copper

Lead and Copper	Date Sampled	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	2014	1.3	0.481	0	ppm	No	Erosion of natural deposits; leaching from wood preservatives; corrosion of household plumbing systems.
Lead	2014	15	1.59	0	ppb	No	Corrosion of household plumbing systems; erosion of natural deposits.

**ADDITIONAL HEALTH INFORMATION FOR LEAD:** 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. NTMWD is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

## Cryptosporidium And Giardia

Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	Units	Likely Source of Contamination
Cryptosporidium	2015	0	0 - 0	(Oo) Cysts/L	Human and animal fecal waste.
Giardia	2015	0	0 - 0	(Oo) Cysts/L	Human and animal fecal waste.

**NOTE:** Taken on treated water samples.

## Unregulated Contaminants

Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	Units	Likely Source of Contamination
Chloroform	2015	25.10	7.87 - 25.1	ppb	By-product of drinking water disinfection.
Bromoform	2015	Levels lower than detect level	0-0	ppb	By-product of drinking water disinfection.
Bromodichloromethane	2015	10.90	7.68 - 10.9	ppb	By-product of drinking water disinfection.
Dibromochloromethane	2015	5.61	3.6 - 5.61	ppb	By-product of drinking water disinfection.

**NOTE:** Bromoform, chloroform, dichlorobromomethane, and dibromochloromethane are disinfection by-products. There is no maximum contaminant level for these chemicals at the entry point to distribution.

## Unregulated Contaminant Monitoring Rule 2 (UCMR2)

Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	Units	Likely Source of Contamination
N-nitrosodimethylamine (NDMA)	2009	0.0023	0 - 0.0023	ppb	By-product of manufacturing process.

**NOTE:** 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 regulations are warranted.

## Secondary and Other Constituents Not Regulated

Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	Units	Likely Source of Contamination
Calcium	2015	113	45.3 - 113	ppm	Abundant naturally occurring element.
Chloride	2015	142	16.1 - 142	ppm	Abundant naturally occurring element; used in water purification; by-product of oil field activity.
Hardness as Ca/Mg	2015	190	106 - 190	ppm	Naturally occurring calcium and magnesium.
Iron	2015	Levels lower than detect level	0 - 0	ppm	Erosion of natural deposits; iron or steel water delivery equipment or facilities.
Magnesium	2015	9.36	3.22 - 9.36	ppm	Abundant naturally occurring element.
Manganese	2015	0.011	0.0014 - 0.011	ppm	Abundant naturally occurring element.
Nickel	2015	0.0065	0.0028 - 0.0065	ppm	Erosion of natural deposits.
pH	2015	9.88	6.75 - 9.88	units	Measure of corrosivity of water.
Sodium	2015	76.7	53.2 - 76.7	ppm	Erosion of natural deposits; by-product of oil field activity.
Sulfate	2015	117	110 - 117	ppm	Naturally occurring; common industrial by-product; by-product of oil field activity.
Total Alkalinity as CaCO3	2015	154	38 - 154	ppm	Naturally occurring soluble mineral salts.
Total Dissolved Solids	2015	620	158 - 620	ppm	Total dissolved mineral constituents in water.
Total Hardness as CaCO3	2015	300	100 - 300	ppm	Naturally occurring calcium.
Zinc	2015	0.004	0.000 - 0.004	ppm	Moderately abundant naturally occurring element used in the metal industry.

## Violation Table

Chlorite			
Some infants and young children who drink water containing chlorite in excess of the MCL could experience nervous system effects. Similar effects may occur in fetuses of pregnant women who drink water containing chlorite in excess of the MCL. Some people may experience anemia.			
Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE (DBP), MAJOR	6/1/2015	6/30/2015	NTMWD is required to collect 9 chlorite samples per month. In June 2015, the nine samples were collected on the same day and sent to a contract laboratory. The contract laboratory was unable to analyze 2 of the samples. Two replacement samples were collected and analyzed. TCEQ believes a monitoring violation occurred because the replacement samples were not collected as a 3-sample set. Per TCEQ, we failed to test our drinking water for the contaminant and period indicated. Because of the failure to collect the third sample, TCEQ states we cannot be sure of the quality of our drinking water during the period indicated.

# Water, Land Use, and Wastewater Treatment

Find the answers for this activity at <TakeCareOfTexas.org/kids/water-cycle-poster>.



## DOWN

- 1 A mixing of fresh and salt water
- 2 Used in disinfection of water
- 3 Aids coagulation
- 5 Lawn fertilizer, oil drained from cars, septic tank overflows
- 7 What a rain barrel is used for
- 8 Erosion from logging, road construction
- 11 Fertilizers or manure draining into a stream
- 12 Numerous types of chemicals and products
- 13 Widely used disinfectant
- 14 Landscape irrigation with effluent
- 15 A lake containing a high concentration of dissolved nutrients
- 18 Water that is safe to drink

## ACROSS

- 4 Water that remains below the land surface
- 6 Treated wastewater
- 9 Muddy water
- 10 Straightening and deepening of stream or river channels
- 16 Any natural or artificial holding area
- 17 Stratum of the earth composed of water layered between rock
- 19 The mixing or agitation of wastewater
- 20 Nutrient-rich, stabilized by-product used as fertilizer
- 21 An area that is regularly saturated by surface water

# 2015 Water Quality Results - Tawakoni Water Treatment Plants

Coliform Bacteria						
Maximum Contaminant Level Goal	Total Coliform Maximum Contaminant Level	Highest No. of Positive	Fecal Coliform or E. Coli Maximum Contaminant Level	Total No. of Positive E. Coli or Fecal Coliform Samples	Violation	Likely Source of Contamination
0	1 positive monthly sample	0	0	0	No	Naturally present in the environment.
<b>NOTE:</b> Reported monthly tests found no fecal coliform bacteria. Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, bacteria may be present.						

## Regulated Contaminants

Disinfectants and Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Total Haloacetic Acids (HAA5)	2015	27.6	27.6 - 27.6	No goal for the total	60	ppb	No	By-product of drinking water chlorination.
Total Trihalomethanes (TTHm)	2015	50.7	50.7 - 50.7	No goal for the total	80	ppb	No	By-product of drinking water chlorination.
Bromate	2015	Levels lower than detect level	0-0	5	10	ppb	No	By-product of drinking water ozonation.

**NOTE:** Not all sample results may have been used for calculating the Highest Level Detected because some results may be part of an evaluation to determine where compliance sampling should occur in the future.

Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Antimony	2015	Levels lower than detect level	0-0	6	6	ppb	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; and test addition.
Arsenic	2015	Levels lower than detect level	0-0	0	10	ppb	No	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.
Barium	2015	0.065	.065-.065	2	2	ppm	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Beryllium	2015	Levels lower than detect level	0 - 0	4	4	ppb	No	Discharge from metal refineries and coal-burning factories; discharge from electrical, aerospace, and defense industries.
Cadmium	2015	Levels lower than detect level	0 - 0	5	5	ppb	No	Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoff from waste batteries and paints.
Chromium	2015	0.00051	.00051-.00051	100	100	ppb	No	Discharge from steel and pulp mills; erosion of natural deposits.
Fluoride	2015	0.274	.274-.274	4	4	ppm	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
Mercury	2015	Levels lower than detect level	0 - 0	2	2	ppb	No	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland.
Nitrate (measured as Nitrogen)	2015	1.05	1.05-1.05	10	10	ppm	No	Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits.

**Nitrate Advisory:** Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant you should ask advice from your health care provider.

Selenium	2015	0.0011	.0011-.0011	50	50	ppb	No	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines.
Thallium	2015	Levels lower than detect level	0 - 0	0.5	2	ppb	No	Discharge from electronics, glass, and leaching from ore-processing sites; drug factories.
Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Beta/photon emitters	12/12/2012	Levels lower than detect level	0 - 0	0	4	mrem/yr	No	Decay of natural and man-made deposits.
Gross alpha excluding	12/12/2012	Levels lower than detect level	0 - 0	0	15	pCi/L	No	Erosion of natural deposits.
Radium-228	12/12/2012	Levels lower than detect level	0 - 0	0	5	pCi/L	No	Erosion of natural deposits.
Synthetic organic contaminants including pesticides and herbicides	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
2, 4, 5 - TP (Silvex)	2015	Levels lower than detect level	0 - 0	50	50	ppb	No	Residue of banned herbicide.
2, 4 - D	2015	Levels lower than detect level	0 - 0	70	70	ppb	No	Runoff from herbicide used on row crops.
Alachlor	2015	Levels lower than detect level	0 - 0	0	2	ppb	No	Runoff from herbicide used on row crops.
Atrazine	2015	Levels lower than detect level	.12-.12	3	3	ppb	No	Runoff from herbicide used on row crops.
Benzo (a) pyrene	2015	Levels lower than detect level	0 - 0	0	200	ppt	No	Leaching from linings of water storage tanks and distribution lines.
Carbofuran	2015	Levels lower than detect level	0 - 0	40	40	ppb	No	Leaching of soil fumigant used on rice and alfalfa.
Chlordane	2015	Levels lower than detect level	0 - 0	0	2	ppb	No	Residue of banned termiticide.
Dalapon	2015	Levels lower than detect level	0 - 0	200	200	ppb	No	Runoff from herbicide used on rights of way.
Di (2-ethylhexyl) adipate	2015	Levels lower than detect level	0 - 0	400	400	ppb	No	Discharge from chemical factories.
Di (2-ethylhexyl) phthalate	2015	Levels lower than detect level	0 - 0	0	6	ppb	No	Discharge from rubber and chemical factories.
Dibromochloropropane (DBCP)	2015	Levels lower than detect level	0 - 0	0	0	ppt	No	Runoff / leaching from soil fumigant used on soybeans, cotton, pineapples, and orchards.
Dinoseb	2015	Levels lower than detect level	0 - 0	7	7	ppb	No	Runoff from herbicide used on soybeans and vegetables.
Endrin	2015	Levels lower than detect level	0 - 0	2	2	ppb	No	Residue of banned insecticide.
Ethylene dibromide	2012	Levels lower than detect level	0 - 0	0	50	ppt	No	Discharge from petroleum refineries.
Heptachlor	2015	Levels lower than detect level	0 - 0	0	400	ppt	No	Residue of banned termiticide.
Heptachlor epoxide	2015	Levels lower than detect level	0 - 0	0	200	ppt	No	Breakdown of heptachlor.
Hexachlorobenzene	2015	Levels lower than detect level	0 - 0	0	1	ppb	No	Discharge from metal refineries and agricultural chemical factories.
Hexachlorocyclopentadiene	2015	Levels lower than detect level	0 - 0	50	50	ppb	No	Discharge from chemical factories.
Lindane	2015	Levels lower than detect level	0 - 0	200	200	ppt	No	Runoff / leaching from insecticide used on cattle, lumber, and gardens.
Methoxychlor	2015	Levels lower than detect level	0 - 0	40	40	ppb	No	Runoff / leaching from insecticide used on fruits, vegetables, alfalfa, and livestock.
Oxamyl [Vydate]	2015	Levels lower than detect level	0 - 0	200	200	ppb	No	Runoff / leaching from insecticide used on apples, potatoes, and tomatoes.
Pentachlorophenol	2015	Levels lower than detect level	0 - 0	0	1	ppb	No	Discharge from wood preserving factories.
Simazine	2015	Levels lower than detect level	0 - 0	4	4	ppb	No	Herbicide runoff.
Toxaphene	2015	Levels lower than detect level	0 - 0	0	3	ppb	No	Runoff / leaching from insecticide used on cotton and cattle.

Volatile Organic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
1, 1, 1 - Trichloroethane	2015	Levels lower than detect level	0 - 0	200	200	ppb	No	Discharge from metal degreasing sites and other factories.
1, 1, 2 - Trichloroethane	2015	Levels lower than detect level	0 - 0	3	5	ppb	No	Discharge from industrial chemical factories.
1, 1, 1 - Dichloroethylene	2015	Levels lower than detect level	0 - 0	7	7	ppb	No	Discharge from industrial chemical factories.
1, 2, 4 - Trichlorobenzene	2015	Levels lower than detect level	0 - 0	70	70	ppb	No	Discharge from textile-finishing factories.
1, 2 - Dichloroethane	2015	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from industrial chemical factories.
1, 2 - Dichloropropane	2015	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from industrial chemical factories.
Benzene	2015	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from factories; leaching from gas storage tanks and landfills.

Carbon Tetrachloride	2015	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from chemical plants and other industrial activities.
Chlorobenzene	2015	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from chemical and agricultural chemical factories.
Dichloromethane	2012	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from pharmaceutical and chemical factories.
Ethylbenzene	2015	Levels lower than detect level	0 - 0	0	700	ppb	No	Discharge from petroleum refineries.
Styrene	2015	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from rubber and plastic factories; leaching from landfills.
Tetrachloroethylene	2015	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from factories and dry cleaners.
Toluene	2015	Levels lower than detect level	0 - 0	1	1	ppm	No	Discharge from petroleum factories.
Trichloroethylene	2015	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from metal degreasing sites and other factories.
Vinyl Chloride	2015	Levels lower than detect level	0 - 0	0	2	ppb	No	Leaching from PVC piping; discharge from plastics factories.
Xylenes	2015	Levels lower than detect level	0 - 0	10	10	ppm	No	Discharge from petroleum factories; discharge from chemical factories.
cis - 1, 2 - Dichloroethylene	2015	Levels lower than detect level	0 - 0	70	70	ppb	No	Discharge from industrial chemical factories.
o - Dichlorobenzene	2015	Levels lower than detect level	0 - 0	600	600	ppb	No	Discharge from industrial chemical factories.
p - Dichlorobenzene	2015	Levels lower than detect level	0 - 0	75	75	ppb	No	Discharge from industrial chemical factories.
trans - 1, 2 - Dichloroethylene	2015	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from industrial chemical factories.

Turbidity

	Limit (Treatment Technique)	Level Detected	Violation	Likely Source of Contamination
Highest single measurement	1 NTU	0.23	No	Soil runoff.
Lowest monthly percentage (%) meeting limit	0.3 NTU	100.00%	No	Soil runoff.
<b>NOTE:</b> 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.				

Maximum Residual Disinfectant Level

Disinfectant Type	Year	Average Level	Minimum Level	Maximum Level	MRDL	MRDLG	Units	Source of Chemical
Chlorine Residual (Chloramines)	2015	3.7	3.16	4.45	4.0	<4.0	ppm	Disinfectant used to control microbes.
Chlorine Dioxide	2015	0.005	0	0.56	0.8	0.8	ppm	Disinfectant.
Chlorite	2015	0.09	0	0.74	1.0	N/A	ppm	Disinfectant.

Total Organic Carbon

	Collection Date	Highest Level Detected	Range of Levels Detected	Units	Likely Source of Contamination
Source Water	2015	11.1	5.81-11.10	ppm	Naturally present in the environment.
Drinking Water	2015	7.15	2.72-7.15	ppm	Naturally present in the environment.
Removal Ratio	2015	57.8%	35.6-57.8	% removal *	N/A
<b>NOTE:</b> Total organic carbon (TOC) has no health effects. The disinfectant can combine with TOC to form disinfection by-products. Disinfection is necessary to ensure that water does not have unacceptable levels of pathogens. By-products of disinfection include trihalomethanes (THMs) and haloacetic acids (HAA) which are reported elsewhere in this report.					
* Removal ratio is the percent of TOC removed by the treatment process divided by the percent of TOC required by TCEQ to be removed.					

Lead and Copper

Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Likely Source of Contamination
Lead	2015	Levels lower than detect level	Levels lower than detect level	0.015	0.015	ppm	Corrosion of customer plumbing. Action Level = .015
Copper	2015	0.064	.064-.064	1.3	1.3	ppm	By-product of drinking water disinfection. Action Level = 1.3

**ADDITIONAL HEALTH INFORMATION FOR LEAD:** 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. The NTMWD is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

Unregulated Contaminants

Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	Units	Likely Source of Contamination
Chloroform	2015	30.5	30.5-30.5	ppb	By-product of drinking water disinfection.
Bromoform	2015	Levels lower than detect level	Levels lower than detect level	ppb	By-product of drinking water disinfection.
Bromodichloromethane	2015	13.6	13.6-13.6	ppb	By-product of drinking water disinfection.
Dibromochloromethane	2015	6.63	6.63-6.63	ppb	By-product of drinking water disinfection.
<b>NOTE:</b> Bromoform, chloroform, dichlorobromomethane, and dibromochloromethane are disinfection by-products. There is no maximum contaminant level for these chemicals at the entry point to distribution.					

Secondary and Other Constituents Not Regulated

Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	Units	Likely Source of Contamination
Bicarbonate	2015	74.3	74.3-74.3	ppm	Corrosion of carbonate rocks such as limestone.
Calcium	2015	42.2	42.2-42.2	ppm	Abundant naturally occurring element.
Chloride	2015	13.7	13.7-13.7	ppm	Abundant naturally occurring element; used in water purification; by-product of oil field activity.
Hardness as Ca/Mg	2015	61.7	27.7-61.7	ppm	Naturally occurring calcium and magnesium.
Iron	2015	0.0573	.0573-.0573	ppm	Erosion of natural deposits; iron or steel water delivery equipment or facilities.
Magnesium	2015	3.39	3.39-3.39	ppm	Abundant naturally occurring element.
Manganese	2015	0.015	.015-.015	ppm	Abundant naturally occurring element.
Nickel	2015	0.003	.003-.003	ppm	Erosion of natural deposits.
pH	2015	7.70	7.7-7.7	units	Measure of corrosivity of water.
Sodium	2015	18.3	18.3-18.3	ppm	Erosion of natural deposits; by-product of oil field activity.
Sulfate	2015	60.6	60.6-60.6	ppm	Naturally occurring; common industrial by-product; by-product of oil field activity.
Total Alkalinity as CaCO3	2015	74.3	74.3-74.3	ppm	Naturally occurring soluble mineral salts.
Total Dissolved Solids	2015	212	212-212	ppm	Total dissolved mineral constituents in water.
Total Hardness as CaCO3	2015	119	119-119	ppm	Naturally occurring calcium.
Zinc	2015	0.002	.002-.002	ppm	Moderately abundant naturally occurring element used in the metal industry.

Crypto/Giardia

Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	Units	Likely Source of Contamination
Cryptosporidia	2015	0	0	(Oo)cysts/L	Naturally occurring in the environment.
Giardia	2015	0	0	(Oo)cysts/L	Naturally occurring in the environment.
<b>NOTE:</b> Crypto/Giardia measured in the raw water.					

# NTMWD Watershed Management

## Outreach and Education

As part of the NTMWD mission to deliver high-quality drinking water to its customers, NTMWD launched its watershed management program in late 2015. The goal of this program is to enhance existing source water protection efforts by developing and implementing programs to ensure the long-term quality of our water supplies. One of the initial focus areas of this program is to develop a watershed protection plan for Lavon Lake.

Through the development of this non-regulatory watershed protection plan, NTMWD will work closely with local stakeholders to identify management measures aimed at protecting and improving water quality in Lavon Lake and its tributaries. Developing and implementing such a plan can help reduce contaminants that may be present in Lavon Lake before treatment. These efforts not only have the potential to protect and improve Lavon Lake for use as a drinking water source but can help support other uses of the lake and its tributaries such as recreational activities and wildlife habitat.



**FARAH THE FOX**

*Water4Otter.org is the youth public education and outreach initiative used by NTMWD in coordination with Water IQ: Know Your Water. Farah the Fox teaches kids about wastewater and simple ways of keeping our waterways clean by controlling what goes down our drains.*

Water conservation messaging has been a primary focus of NTMWD outreach and education since 2006, and we are excited to promote activities of source water protection into the youth program. The outreach messaging will focus on changing consumer daily activities and behaviors to help maintain healthier waterways used as water supplies by NTMWD as well as those waterways leading to our downstream neighbors.

Some initiatives currently being utilized by NTMWD with coordination through partnering organizations of the region are:

- **Defend Your Drains** - This program is available through partnership with the North Central Texas Council of Governments (NCTCOG). More can be found on the web at: [www.defendyourdrainsnorthtexas.com](http://www.defendyourdrainsnorthtexas.com)
- **Cease the Grease** - This program is made possible through the Wastewater and Treatment Education Roundtable (formerly the North Texas Grease Abatement Council). More can be found on the web at: <http://www.ceasethegreasentx.com/>
- **Water4Otter (Farah the Fox)** - This program is the NTMWD youth education component of the Water IQ: Know Your Water program. Water4Otter reaches kids online, through schools, outreach events, and by mobile apps. Otis the Otter, Farah the Fox, and Bob the Bobcat all play a role in providing kids with simple tips they can help their families implement at home. More can be found on the web at: [www.Water4Otter.org](http://www.Water4Otter.org) and [www.northtexaswateriq.org](http://www.northtexaswateriq.org).

For more information contact:

**NTMWD Watershed Management**  
environmental.info@ntmwd.com  
or

**NTMWD Water Resource Program and Public Education**  
waterresource.info@ntmwd.com

# Our Drinking Water is Regulated

In order to ensure that tap water is safe to drink, USEPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. The U.S. Food and Drug Administration regulations establish limits for contaminants in bottled water which must provide the same protection for public health. The Consumer Confidence Report is a summary of the quality of the water NTMWD provides to its customers. The report includes analysis results from the most current USEPA required water quality tests. NTMWD hopes this information helps you, the consumer, become more knowledgeable about your drinking water supply.



## USEPA Safe Drinking Water Hotline

The U.S. Environmental Protection Agency (USEPA) Safe Drinking Water Hotline provides the general public, regulators, medical and water professionals, academia, and media, with information about drinking water and ground water programs authorized under the Safe Drinking Water Act. The Hotline responds to factual questions in the following program areas:

**(800) 426-4791**

- Local drinking water quality
- Drinking water standards
- Public drinking water systems
- Source water protection
- Large capacity residential septic systems
- Commercial and industrial septic systems
- Injection wells
- Drainage wells

### **ALL Drinking Water May Contain Contaminants**

When drinking water meets federal standards there may not be any health benefits to purchasing bottled water or point of use devices. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the USEPA Safe Drinking Water Hotline (1-800-426-4791).



### **Secondary Constituents**

Many constituents (such as calcium, sodium, or iron) which are often found in drinking water, can cause taste, color, and odor problems. The taste and odor constituents are called secondary constituents and are regulated by the State of Texas, not the EPA. These constituents are not causes for health concern. Therefore, secondaries are not required to be reported in this document but they may greatly affect the appearance and taste of your water.



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Electronic copy also available at the website shown below:

[www.ntmwd.com](http://www.ntmwd.com)

*Annual Water Quality Report for the period of January 1 to December 31, 2015*