

# East Montgomery County M.U.D. No. 3

PWS ID # 1700705

## 2021 Annual Drinking Water Quality Report

Phone No: 281-350-0895

This is your water quality report from January 1, 2021 to December 31, 2021.

### *En Español*

*Este reporte incluye informacion importante sobre el agua para tomar. Para asistencia en espanol, por favor llame al telefono 281-350-0895.*

### **OUR DRINKING WATER IS SAFE**

This report is a summary of the quality of the water we provide to our customers. The analysis was made by using the data from the most recent U.S. Environmental Agency (USEPA) required tests and is presented in the following tables. We hope this information helps you become more knowledgeable about your drinking water.

**Public Participation Opportunities** concerning your water system may be made at regularly scheduled meetings on the second Thursday of each month at 3:30 pm., The Atrium Center, Room 109, 21575 U.S. Highway 59 North, New Caney, Texas or you may contact Steve Reifel at TNG Utility Corp., phone # 281-350-0895, with any questions or concerns

### **Where do we get your drinking water?**

Our drinking water is obtained from groundwater sources. It comes from water-bearing sands known as the Jasper Aquifer and the Evangeline Aquifer in Montgomery County. Water from the aquifers is then withdrawn by the wells at East Montgomery County MUD 3 water plants and is the only source data contained on the pages following.

TCEQ has completed an assessment of your source water, and results indicate that some of our sources are susceptible to certain contaminants. The sampling requirements for your water system is based on this susceptibility and previous sample data. Any detection of these contaminants will be found in this Consumer Confidence Report. For more information on source water assessments and protection efforts at our system contact TNG Utility Corp, Steve Reifel at 281-350-0895.

**Water Sources:** Other sources of drinking water (both tap water and bottled water) can 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: (i) microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; (ii) 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; (iii) pesticides and herbicides, which might have a variety of sources such as agriculture, urban storm water runoff, and residential uses; (iv) organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum produc-

tion, and can also come from gas stations, urban stormwater runoff, and septic systems; and (v) radioactive contaminants, which can be naturally-occurring or the result of oil and gas production and mining activities.

### **All Drinking Water may Contain Contaminants**

#### **A Special Notice for the ELDERLY, INFANTS, CANCER PATIENTS, people with HIV/AIDS or other immune problems:**

You may be more vulnerable than the general population to certain microbial contaminants, such as *Cryptosporidium*, in drinking water. Infants, some elderly, or Immuno-compromised persons such as those undergoing chemotherapy for cancer; those who have undergone organ transplants; those who are undergoing treatment with steroids; and people with HIV/AIDS or other immune system disorders can be particularly at risk 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).

EPA website: [www.epa.gov/safewater](http://www.epa.gov/safewater)

NRDC website: [www.nrdc.org/water](http://www.nrdc.org/water)

When drinking water meets federal standards there may not be any health based benefits to purchasing bottled water or point of use devices.

Drinking water, *including bottled water*, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline at (800-426-4791).

In order to ensure that the tap water is safe to drink, the EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration regulations establish limits for contaminants in bottled water that must be provide the same protection for public health.

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, testing methods, and steps you can take to minimize expo-



## ***About the Following Table***

The following table contains all of the federally regulated or monitored chemical constituents which have been found in your drinking water. USEPA requires water systems to test up to 97 constituents. The data presented in the report is from the most recent testing done in accordance with the regulations.

## ***Abbreviations and Definitions***

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

**Maximum Contaminant Level (MCL)** - The highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the MCLG's as feasible using the best available treatment technology.

**Level 1 Assessment:** A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

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

**Level 2 Assessment:** A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

**Maximum Residual Disinfectant Level (MRDL)** - The highest level of 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 use of disinfectants to control microbial contamination.

**Treatment Technique (TT)** - A required process intended to reduce the level of a contaminant in drinking water.

**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.

**MFL:** million fibers per liter (a measure of asbestos)

**ppm** - milligrams per liter or parts per million-or one ounce in 7,350 gallons of water.

**ppb** - micrograms per liter or parts per billion-or one ounce in 7,350,000 gallons of water.

**pCi/l** - pico curies per liter (a measure of radioactivity)

**N/A** - not applicable

**mrem** - millirems per year (a measure of radiation absorbed by the body)

**NTU** - nephelometric turbidity units (a measure of turbidity)

**ppt** - parts per trillion, or nanograms per liter (ng/L)

**ppq** - parts per quadrillion, or picograms per liter (pg/L)

## ***East Montgomery County M.U.D. No. 3 - 2021 Drinking Water Quality Report Data***

### **Disinfectant Residuals:**

Collection Date	Constituent	Average Level	Range of Detected Levels	MCL	MCLG	Unit of Measure	Violation	Source of Contaminant
2021	Chlorine	1.70	1.00 - 2.5	4	4	ppm	No	Water additive used to control microbes.

### **Inorganic Contaminants:**

Collection Date	Constituent	Highest Detected Level at any Sampling Point	Range of Detected Levels	MCL	MCLG	Unit of Measure	Violation	Source of Contaminant
01/12/21	Fluoride	0.94	0.18-0.94	4	4.0	ppm	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
01/12/21	Barium	0.175	0.0315-0.175	2	2.0	ppb	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.

### **Disinfection By-Products:**

Collection Date	Constituent	Average Detected Level at any Sampling Point	Range of Detected Levels	MCL	MCLG	Unit of Measure	Violation	Source of Contaminant
2021	Haloacetic Acids (HAA5)	3	0-3.3	60	N/A	ppb	No	By product of drinking water disinfection.
2021	Total Trihalomethanes (TTHM)	18	0-29.3	80	N/A	ppb	No	By product of drinking water disinfection.

\*The value in the Average Detected column is the highest of all HAA5 and TTHM sample results collected at a location over a year.



**East Montgomery County M.U.D. No. 3 - 2021 Drinking Water Quality Report Data Continuation**

**Total Coliform:** MONTHLY TESTS FOUND NO COLIFORM BACTERIA

**Organics:** TESTING WAIVED, NOT REPORTED, OR NONE DETECTED

**Fecal Coliform:** MONTHLY TESTS FOUND NO FECAL COLIFORM BACTERIA

**Turbidity:** TESTING WAIVED, NOT REPORTED, OR NONE

**Lead and Copper**—These samples are taken from the customer taps. Definitions: 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. Action Level: The concentration of a contaminant which, if exceeded triggers treatment or other requirements.

Year	Constituent	90th Percentile	Number of Sites Exceeding Action Level	Action Level	MCLG	Unit of Measure	Violation	Source of contaminant
8/22/2020	Copper	0.0747	0	1.3	1.3	ppm	No	Corrosion of household plumbing systems; Erosion of natural deposits. Leaching from wood preservatives.

**Secondary and Other Non-Regulated Constituents:** - No associated adverse health effects with the following:

Year	Constituent	Average Level	Range of Detected Levels (low - high)	Limit	Unit of Measure	Source of Contaminant
2021	Chloride	45.5	0– 64	300	ppm	Abundant naturally occurring element.
2021	Iron	.0835	0– .085	200	ppm	Abundant naturally occurring element.
2021	Manganese	.007	0-.0128	200	ppm	Abundant naturally occurring element.
2021	Sulfate	6.5	0 - 12.0	300	ppm	Abundant naturally occurring element.
2021	Total Dissolved Solids	375.5	0- 381	1000	ppm	Erosion of natural deposits.
2021	Fluoride	0.56	0 - 0.94	4	ppm	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
2021	Zinc	0.0375	0-0.0498	5.0	ppm	Abundant naturally occurring element.

**Unregulated Contaminants:** Unregulated contaminants are those for which the USEPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist USEPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulations are warranted.

Year	Constituent	Average of All Sampling Points	Range of Detected Levels	Unit of Measure	Source of Constituent
2021	Bromoform	1.0	0 - 1.0	ppb	Byproduct of drinking water disinfection.
2021	Chloroform	1.3	0 - 1.5	ppb	Byproduct of drinking water disinfection.
2021	Bromodichloromethane	2	0-4.8	ppb	Byproduct of drinking water disinfection.

**Violations**

Revised Total Coliform Rule (RTCR)

The revised total Coliform Rule (RTCR) seeks to prevent waterborne diseases caused by E. Coli. E. Coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Human pathogens in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a greater health risk for infants, young children.

Violation Type	Violation Begin	Violation End	Violation Explanation
Monitoring, Routine, Minor (RTCR)	11/01/2021	11/30/2021	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated. In November of 2021 the Coliform Monitoring Sample count increased from 1 (one) to 2 (two) and for November we failed to collect the second sample. As of December of 2021, we have collected two samples as required.

**TNG Utility Corp.  
P.O. Box 2749  
Spring, TX 77383**



**2021 Drinking Water Quality Report Enclosed**

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