

2024 Annual Drinking Water Quality Report (Consumer Confidence Report)

FOUR WAY SPECIAL UTILITY DISTRICT (TX0030020)

This is your Annual Water Quality Report for the period of January 1 to December 31, 2024.

For more information regarding this report contact: Name: Tommy Carswell, Manager
Phone: 936-422-4188

Este reporte informe incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al teléfono (936)422-4188.

Public Participation Opportunities. To learn about future public meetings (concerning your drinking water), or to request to schedule one; please call Tommy Carswell at (936) 422-4188. The Board of Directors of Four Way SUD meets the third Tuesday of every month at 6:00 p.m. The meetings are open to the public and are held at the District's office at 411 North Main Street, in Huntington, Texas.

You can request a copy of Four Way SUD's Lead Service Line Inventory at fourway@fourwaywater.com or contacting the office at 411 N Main St, Huntington TX or by calling 936-422-4188.

Four Way Special Utility District (SUD) provides ground water from the Yegua and the Carizzo Aquifers located in Angelina County.

Definitions and Abbreviations

| | |
|--|--|
| Definitions and Abbreviations | The following tables contain scientific terms and measures, some of which may require explanation. |
| Action Level: | The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow. |
| Avg: | Regulatory compliance with some MCLs are based on running annual average of monthly samples. |
| 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. |
| 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 Contaminant Level or 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 Contaminant Level Goal or 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 or 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 or 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. |
| MFL | million fibers per liter (a measure of asbestos) |
| mrem: | millirems per year (a measure of radiation absorbed by the body) |
| na: | not applicable. |
| NTU | nephelometric turbidity units (a measure of turbidity) |
| pCi/L | picrouries per liter (a measure of radioactivity) |
| ppb: | micrograms per liter or parts per billion - or one ounce in 7,350,000 gallons of water. |
| ppm: | milligrams per liter or parts per million - or one ounce in 7,350 gallons of water. |
| ppq | parts per quadrillion, or picograms per liter (pg/L) |
| ppt | parts per trillion, or nanograms per liter (ng/L) |
| Treatment Technique or TT: | A required process intended to reduce the level of a contaminant in drinking water. |

Information about your Drinking Water

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

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

Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm water runoff, industrial or 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.

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.

Contaminants may be found in drinking water that may cause taste, color, or odor problems. These types of problems are not necessarily causes for health concerns. For more information on taste, odor, or color of drinking water, please contact the system's business office.

You may be more vulnerable than the general population to certain microbial contaminants, such as *Cryptosporidium*, in drinking water. Infants, some elderly, or immunocompromised persons such as those undergoing chemotherapy for cancer; persons who have undergone organ transplants; those who are undergoing treatment with steroids; and people with HIV/AIDS or other immune system disorders, can be particularly at risk from infections. You should seek advice about drinking water from your physician or health care providers. Additional guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* are available from the Safe Drinking Water Hotline (800-426-4791).

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. 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 exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

Information about Source Water

The TCEQ 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 are based on this susceptibility and previous sample data. Any detection of these contaminants may be found in this Consumer Confidence Report. For more information on source water assessments and protection efforts at our system, contact Tommy Carswell at 936-422-4188.

FOUR WAY SUD provides ground water from the Yegua and the Carizzo Aquifers located in Angelina County. Four Way SUD also purchases water from CITY OF LUFKIN. CITY OF LUFKIN provides purchased ground water from Carizzo Aquifer located in Angelina County.

| Source Water Name: | Well No. | Type of Water | Report Status | Location |
|------------------------------------|------------|---------------|---------------|--|
| 2-1MI OF PLANT 1 | WELL NO. 2 | GW | Active | 8996 FM 1669, Huntington TX |
| 3-PLANT 5/HWY 69 LUFKIN | WELL NO. 3 | GW | Active | 7621 S US Highway 69, Lufkin TX |
| 4-FM 2109/PLANT 2 Huntington TX | WELL NO. 4 | GW | Active | 130 Bruce Thornton Dr., Huntington TX |
| 5-HWY 69 LUFKIN | WELL NO. 5 | GW | Active | 6990 S US Highway 69, Lufkin TX |
| 6-HWY 103 TX | WELL NO. 6 | GW | Active | 9600 E State Highway 103, Lufkin TX |
| 7-REPLACEMENT FOR 1 TX | WELL NO. 1 | GW | Active | 457 Horseshoe Loop, Huntington TX |
| FM 2109/FORMERLY G0030015A | WELL NO. 7 | GW | Inactive | 7900 FM 2109, Huntington TX |

Lead and Copper

| Lead and Copper | Date Sampled | MCLG | Action Level (AL) | 90 th Percentile | # Sites Over AL | Units | Violation | Source of Contaminant |
|-----------------|--------------|------|-------------------|-----------------------------|-----------------|-------|-----------|---|
| Copper | 2022 | 1.3 | 1.3 | 0.18 | 0 | ppm | N | Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems. |
| Lead | 2022 | 0 | 15 | 1.9 | 1 | ppb | N | Corrosion of household plumbing systems; erosion of natural deposits. |



2024 Water Quality Test Results

| Disinfectants and Disinfection By-Products | Collection Date | Highest Level Detected | Range of Levels Detected | MCLG | MCL | Unit | Violation | Likely Source of Contamination |
|--|-----------------|------------------------|--------------------------|-----------------------|-----|------|-----------|--|
| Haloacetic Acids (HAA5) * | 2024 | 20 | 8.4 - 19.6 | No goal for the total | 60 | ppb | N | By-product of drinking water disinfection. |

*The value in the Highest Level or Average Detected column is the highest average of all HAA5 sample results collected at a location over a year

| | | | | | | | | |
|------------------------------|------|----|-------------|-----------------------|----|-----|---|--|
| Total Trihalomethanes (TTHM) | 2024 | 43 | 2.56 - 42.8 | No goal for the total | 80 | ppb | N | By-product of drinking water disinfection. |
|------------------------------|------|----|-------------|-----------------------|----|-----|---|--|

* The value in the Highest Level or Average Detected column is the highest average of all TTHM sample results collected at a location over a year.'

| Inorganic Contaminants | Collection Date | Highest Level Detected | Range of Individual Samples | MCLG | MCL | Unit | Violation | Likely Source of Contamination |
|--------------------------------|-----------------|------------------------|-----------------------------|------|-----|------|-----------|--|
| Asbestos | 2023 | 0.38 | 0-0.38 | 7 | 7 | MFL | N | Decay of asbestos cement water mains, Erosion of natural deposits. |
| Barium | 2023 | 0.011 | 0.0051-0.011 | 2 | 2 | ppm | N | Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits. |
| Chromium | 2023 | 1.6 | 0 – 1.6 | 100 | 100 | ppb | N | Discharge from steel and pulp mills; Erosion of natural deposits. |
| Cyanide | 2023 | 84.7 | 0 – 84.7 | 200 | 200 | ppb | N | Discharge from plastic and fertilizer factories. Discharge from steel/metal factories. |
| Fluoride | 2023 | 0.69 | 0.257-0.69 | 4 | 4.0 | ppm | N | Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories. |
| Nitrate [measured as Nitrogen] | 2024 | 0.128 | 0.0191-0.128 | 10 | 10 | ppm | N | Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits. |

| Volatile Organic Contaminants | Year | Highest level detected | Range of individual samples | MCLG | MCL | Unit of Measure | Violation (Y/N) | Likely Source of Contamination |
|-------------------------------|------|------------------------|-----------------------------|------|-----|-----------------|-----------------|--|
| Xylenes | 2023 | 0.00176 | 0-0.00176 | 10 | 10 | ppm | N | Discharge from petroleum factories; Discharge from chemical factories. |

Disinfectant Residual

| Disinfectant Residual | Year | Average Level | Range of Levels Detected | MRDL | MRDLG | Unit of Measure | Violation (Y/N) | Source of Constituent |
|-----------------------|------|---------------|--------------------------|------|-------|-----------------|-----------------|--|
| Chloramines | 2024 | 2.39 | 1.0-3.9 | 4 | 4 | ppm | N | Water additive used to control microbes. |

UCMR5 Monitoring Results

| Constituent | Year | Average Level | Range of Levels Detected | MRDL | MRDLG | Unit of Measure | Violation (Y/N) | Source of Constituent |
|-------------|------|---------------|--------------------------|------|-------|-----------------|-----------------|--|
| 6:FTS | 2024 | 0.0546 | 0-0.0546 | | | ppt | N | industrial sites, fire training/response sites, landfills, and wastewater treatment plants |
| Lithium | 2024 | 16.03 | 15.0-16.7 | | | ppt | N | a combination of natural geological sources and human activities |



City of Lufkin

Lead and Copper

| Lead and Copper | Date Sampled | MCLG | Action Level (AL) | 90 th Percentile | # Sites Over AL | Units | Violation | Source of Contaminant |
|-----------------|--------------|------|-------------------|-----------------------------|-----------------|-------|-----------|---|
| Copper | 2022 | 1.3 | 1.3 | 0.26 | 1 | ppm | N | Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems. |
| Lead | 2022 | 0 | 15 | 1.7 | 1 | ppb | N | Corrosion of household plumbing systems; erosion of natural deposits. |

2023 Water Quality Test Results

| Disinfectants and Disinfection By-Products | Collection Date | Highest Level Detected | Range of Levels Detected | MCLG | MCL | Unit | Violation | Likely Source of Contamination |
|--|-----------------|------------------------|--------------------------|-----------------------|-----|------|-----------|--|
| Haloacetic Acids (HAA5) * | 2024 | 38 | 19.5-44 | No goal for the total | 60 | ppb | N | By-product of drinking water disinfection. |

* The value in the Highest Level or Average Detected column is the highest average of all HAA5 sample results collected at a location over a year'

| | | | | | | | | |
|------------------------------|------|----|-----------|-----------------------|----|-----|---|--|
| Total Trihalomethanes (TTHM) | 2024 | 48 | 36.9-52.7 | No goal for the total | 80 | ppb | N | By-product of drinking water disinfection. |
|------------------------------|------|----|-----------|-----------------------|----|-----|---|--|

* The value in the Highest Level or Average Detected column is the highest average of all TTHM sample results collected at a location over a year.'

| Inorganic Contaminants | Collection Date | Highest Level Detected | Range of Individual Samples | MCLG | MCL | Unit | Violation | Likely Source of Contamination |
|------------------------|-----------------|------------------------|-----------------------------|------|-----|------|-----------|--------------------------------|
|------------------------|-----------------|------------------------|-----------------------------|------|-----|------|-----------|--------------------------------|

| | | | | | | | | |
|--------------------------------|------|--------|---------------|----|-----|-----|---|--|
| Barium | 2023 | 0.0049 | 0.0049-0.0049 | 2 | 2 | ppm | N | Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits. |
| Fluoride | 2024 | 0.211 | 0.211-0.211 | 4 | 4.0 | ppm | N | Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories. |
| Nitrate [measured as Nitrogen] | 2024 | 0.0312 | 0.031-0.0312 | 10 | 10 | ppm | N | Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits. |

Disinfectant Residual

| Disinfectant Residual | Year | Average Level | Range of Levels Detected | MRDL | MRDLG | Unit of Measure | Violation (Y/N) | Source of Constituent |
|-----------------------|------|---------------|--------------------------|------|-------|-----------------|-----------------|--|
| Chlorine | 2024 | 2.57 | 1.2-3.7 | 4 | 4 | ppm | N | Water additive used to control microbes. |