2022 Consumer Confidence Report for Public Water System MACEDONIA EYLAU MUD 1

For more information regarding this report contact:

| MACEDONIA EYLAU MUD I provides surface water from located in Bowie County, TX and Lake Millwood located in I | Lake Wright Patman Miller County, AR. | NameKeith Griffie | | | | | |
|--|---|--|--|--|--|--|--|
| Totaled in Bowle County, 174 and Sake Millions (County) | | Phone (903) 832-1691 | | | | | |
| | | Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono (903)832 -1691. | | | | | |
| | | | | | | | |
| Definitions and Abbreviations | | | | | | | |
| Definitions and Abbreviations | The following tables contain scientific terms and mea | asures, some of which may require explanation. | | | | | |
| Action Level: | The concentration of a contaminant which, if exceeded | ed, triggers treatment or other requirements which a water system must follow. | | | | | |
| Avg: | Regulatory compliance with some MCLs are based or | | | | | | |
| 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 w system. | | | | | | |
| Level 2 Assessment: | and/or why total coliform bacteria have been found in | water system to identify potential problems and determine (if possible) why an E. coli MCL violation has occurred nour 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: | | which there is no known or expected risk to health. MCLGs allow for a margin of safety. | | | | | |
| Maximum residual disinfectant level or MRDL: | contaminants. | ig water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial | | | | | |
| Maximum residual disinfectant level goal or MRÐLG: | The level of a drinking water disinfectant below which control microbial contaminants. | ch there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to | | | | | |
| 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 | r) | | | | | |
| pCi/L | picocuries per liter (a measure of radioactivity) | | | | | | |

This is your water quality report for January 1 to December 31, 2022

Definitions and Abbreviations

ppb micrograms per liter or parts per billion

ppm: milligrams per liter or parts per million

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 EPAs 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).

Total coliform bacteria are used as indicators of microbial contamination of drinking water because testing for them is easy. While not disease-causing organisms themselves, they are often found in association with other microbes that are capable of causing disease. Coliform bacteria are more hardy than many disease-causing organisms; therefore, their absence from water is a good indication that the water is microbiologically safe for human consumption.

| Contaminant | Highest Month) 1955 of the | Supplied No. 1985 | orto (Oserje | |
|----------------------------|----------------------------|--|--------------|--------------------------------------|
| Total Coliform Bacteria | 0.00% | Presence of coliform bacteria in 5% of monthly samples | Presence | Naturally present in the environment |

Turbidity

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 o | of our filtration syst | tem and disinfec | tion process. | | | |
|-----------------|------------------------|--------------------------------|--|-------------------|--------------------|--------------------------------|
| Contaminant | Location | High Bet Stride Measurement | Lowest Monthly & of Samples "Meeting Limits | y Lenie | Urator? Measure | THE THE COUNTY OF THE STATE OF |
| T | Wright Patman | 0.29 | 100% | 50.3 in 95% of | NTU | Soil runoff |
| Turbidity | Millwood | 0.30 | 100% | sample | 1,,,,, | |
| Total Organic | Carhon (TOC) | | | | | |

The percentage of Total Organic Carbon (TOC) removal was measured monthly in 2021 and TWU met all TOC removal requirements set by USEPA.

| Inorganic Con | | | | | A A SHARWAY TO SHARWAY | NAME A TOTAL OFFICE | POWER WATER | |
|--------------------------|--|--------------|------------|------|------------------------|---------------------|-------------|---|
| Contaminant | Location | AVERSON SAME | Delegted | MCL. | MCLG | Measur | Violetor | A Control |
| Nitrate (as Nitrogen) | Macedonia- EylauMuniciple Utility District | 0.02 | 0-0.02 | 10 | 10 | ppm | N | Runoff from fertilizer use; leakage from septic tanks, sewage; erosion of natural deposits |
| | Wright Patman | 0.054 | 0-0.054 | | , | | N | Discharge of drilling wastes; discharge from metal |
| Barium | Millwood | 0.0098 | 0 - 0.0098 | } - | 2 | ppm | | refineries; erosion of natural deposits |
| | Wright Patman | 0.0451 | 0-0.0451 | | _ | | N N | Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories |
| Fluoride | Millwood | 0.0185 | 0-0.0185 |] 4 | 4 | ppm | | |
| Nitrate (as Nitrogen) | Macedonia- EylauMuniciple Utility District | o | 0-0 | 10 | 10 | ppm | N | Runoff from fertilizer use; leakage from septic tanks, sewage; erosion of natural deposits |

Synthetic Organic Contaminants Level Bance of MCL MGLG Unit of Violeton Source of Contention Location Runoff from herbicide used on raw crops N 0-0.0001 0.003 0.003 ppm Wright Patman

| Radioactive C | ontaminants (20 | zu Resultsj | | | | | | The second secon |
|---------------|-----------------|------------------------|-------------------|-----|------|-----------|-----------|--|
| Contaminant | Location | Average Level Detected | Range of Detected | MCL | MCLG | Unit of . | Violetich | Source of Contentions |
| Gross Alpha | Millwood | 4.1 (+/- 0.9) | 4.1 (+/- 0.9) | 15 | 0 | pCI/L | N | Erosion of natural deposits of certain radioactive minerals that may emit a form of radiation known as alpha radiation |
| Gross Beta | Millwood | 2.7 (+/- 0.7) | 2.7 (+/- 0.7) | 50 | 0 | pCI/L | l N | Decay of natural and man-made deposits of certain radioactive minerals that may emit forms of radiation known as photons and beta radiation. |

| | Lead & Co | opper Tep Mon | itoring (202 <u>2)</u> | | | | me a common desta | |
|-------------|------------------------------|---------------|------------------------|------|---------|--------|-------------------|--|
| Conteminent | Location | Percanille | Number of Sites | MCL. | a MCUG. | VIII O | Ababa | |
| Lead | Macedonia- EvlauMuniciple | 1.6 | 1 | 15 | 0 | ppb | | Corresion of household plumbing systems; erosion |
| Copper | Utility District | 0.029 | 0 | 1.3 | 1.3 | ppm | N | of natural deposits |

| Disinfectants | | | | | | | | |
|---------------------|--|-----------|------------|-----|------|-------------------|--------------|---------------------------------------|
| Contaminant | Location | Annual :: | Range of : | MCL | MCLG | Just of Measur | Violetion | Source of Contambasit |
| Chlorine (total) | Macedonia- EylauMuniciple Utility District | 2.55 | 0.8-4.0 | 4 | 4 | ppm | N | Disinfectant used to control microbes |
| Disinfection B | | | | | | 17129-21 | Land Company | |

| Total Mecedonia- Trihalomethan EylauMuniciple 44 20.4-61.3 80 N/A ppb N By-product of drinking water disinfection (TTHM) Utility District Macedonia- Haloacetic EylauMuniciple 28 6.5-37 60 0 ppb N By-product of drinking water disinfection | Contaminant | Location | | Range of a Detected | | MCLG. | Unit of Measur | Violation | Source of Conflictions |
|---|---------------|------------------------------|----|---------------------|----|-------|----------------|-----------|---|
| Haloacetic EylauMuniciple 28 6.5-37 60 0 ppb N By-product of drinking water disinfection | Trihalomethan | EylauMuniciple | 44 | 20.4-61.3 | 80 | N/A | ppb | N | By-product of drinking water disinfection |
| | | Macedonia- EylauMuniciple | 28 | 6.5-37 | 60 | 0 | ppb | N | By-product of drinking water disinfection |

DEFINITIONS

ADH: Arkansas Department of Health

AL: Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which water syste

ALG: Action Level Goal - 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.

Avg: Average - regulatory compliance with some MCLs are based on a 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 Ecoli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

MCL: Maximum Contaminant Level - the highest level of a contaminant that is allowed in drinking water

MCLG: Maximum Contaminant Level Goal — unenforceable public health goal; 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 MRDL: Maximum Residual Disinfectant Level - 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.
MRDLG: Maximum Residual Disinfectant Level Goal - 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 disinfectant propriet guerables contaminants.

the use of disinfectants to control microbial contaminants.

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

MREM: millirems per year to measure of radiation absorbed by the body)

MW: Millwood Water Treatment Plant

NA: not applicable
NTU: Nephelometric Turbulity Unit (a measurement of turbidity)

ppm: parts per million or milligrams per liter - or one ounce in 7,350 gallons of water pph: parts per billion or micrograms per liter - or one ounce in 7,350,000 gallons of water

ppq: parts per quadrillion, or preograms per liter (pg/L)

ppt; parts per trillion, or nanograms per liter (ng/L) pCi/L; picocuries per liter (a measure of radioactivi

TCEQ: Texas Commission on Environmental Quality
TT (Treatment Technique): A required process intended to reduce the level of a contaminant in drinking water

TWII: Texarkana Water Utilities

WP: Wright Palman Water Treatment Plant UCMR: Unregulated Contaminant Monitoring Rule