2024 Consumer Confidence Report for Public Water System M E N WSC

This is your water quality report for January 1 to December 31, 2024

M E N WSC provides surface water from **Navarro Mills Resevoir and Lake Halbert** located in **Navarro County, Corsicana**.

For more information regarding this report contact:

Name Dennis Donoho

Phone (903) 872-1899

Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono (903)872-1899.

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	picocuries per liter (a measure of radioactivity)

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).

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

M E N WSC purchases water from CITY OF CORSICANA. CITY OF CORSICANA provides purchase surface water from **Navarro Mills Reservoir, and Lake Halbert** located in **Navarro County, Corsicana**.

Detected Regulated Contaminates for 2024

EP2 Lake Halbert

SOC Pesticide	Detected Quantity	MCL	Date Collected	Analytical Method
Atrazine	<0.1 ug/L	3 ug/L	1/31/2024	E525.2 GC/MS
Metolachlor	<0.1 ug/L	N/A	1/31/2024	E525.2 GC/MS
VOC's				
Acetone	<5.00 ug/L	N/A	8/12/2024	E524.2 GC/MS
Cholroform	25.5 ug/L	N/A	8/12/2024	E524.2 GC/MS
Bromodichloromethane	16.2 ug/L	N/A	8/12/2024	E524.2 GC/MS
Dibromochloromethane	4.82 ug/L	N/A	8/12/2024	E524.2 GC/MS
Inorganics				
Chloride	19.1 mg/L	300.0 mg/L	1/31/2024	E300.0 Anions
Fluoride	0.481 mg/L	4.0 mg/L	1/31/2024	E300.0 Anions
Nitrate (as N)	0.200 mg/L	10.0 mg/L	1/31/2024	E300.0 Anions
Sulfate	95.6 mg/L	300.0 mg/L	1/31/2024	E300.0 Anions
Total Dissolved Solids	250 mg/L	1000.0 mg/L	1/31/2024	SM2540C
Inorganics				
Metal Trace Elements				
Calcium Total	44.9 mg/L	N/A	1/31/2024	E200.7 Metals, Trace
Potassium Total	5.36 mg/L	N/A	1/31/2024	E200.7 Metals, Trace
Magnesium Total	7.00 mg/L	N/A	1/31/2024	E200.7 Metals, Trace
Sodium Total	29.9 mg/L	N/A	1/31/2024	E200.7 Metals, Trace
E200.8 ICP-MS				
Aluminum Total	0.035 mg/L	0.2 mg/L	1/31/2024	E200.8 IC-MS
Barium Total	0.057 mg/L	2.0 mg/L	1/31/2024	E200.8 IC-MS
Chromium Total	<0.00100 mg/L	0.10 mg/L	1/31/2024	E200.8 IC-MS
Copper Total	0.0013 mg/L	1.0 mg/L	1/31/2024	E200.8 IC-MS
Manganese Total	0.0025 mg/L	0.05 mg/L	1/31/2024	E200.8 IC-MS
Nickel Total	<0.00100 mg/L	0.1 mg/L	1/31/2024	E200.8 IC-MS

DEFINITIONS

ug/l parts per billion or micrograms per liter

mg/l parts per million or milligrams per liter

Only contaminants at detectable level reported

Detected Regulated Contaminates for 2024

EP 1 Navarro Mills				
SOC Pesticide	**Detected Quantity**	**MCL**	**Date Collected**	**Analytical Method**
Atrazine	0.3 ug/L	3 ug/L	1/31/2024	E525.2 GC/MS
Metolachlor	<0.1 ug/L	N/A	1/31/2024	E525.2 GC/MS
VOC's				
Cholroform	40.6 ug/L	N/A	8/12/2024	E524.2 GC/MS
Bromodichloromethane	17.3 ug/L	N/A	8/12/2024	E524.2 GC/MS
Dibromochloromethane	4.10 ug/L	N/A	8/12/2024	E524.2 GC/MS
Inorganics				
Chloride	14.4 mg/L	300.0 mg/l	1/31/2024	E300.0 Anions
Fluoride	0.496 mg/L	4.0 mg/l	1/31/2024	E300.0 Anions
Nitrate (as N)	1.38 mg/L	10.0 mg/l	1/31/2024	E300.0 Anions
Sulfate	54.4 mg/L	300.0 mg/l	1/31/2024	E300.0 Anions
Total Dissolved Solids	202 mg/L	1000.0 mg/l	1/31/2024	SM2540C
Inorganics				
Metals Trace Elements				
Calcium	42.4 mg/L	N/A	1/31/2024	E200.7 Metals, Trace
Magnesium	3.16 mg/L	N/A	1/31/2024	E200.7 Metals, Trace
Potassium	4.68 mg/L	N/A	1/31/2024	E200.7 Metals, Trace
Sodium Total	24.0 mg/L	N/A	1/31/2024	E200.7 Metals, Trace
E200.8 ICP-MP				
Aluminum Total	0.028 mg/L	0.2 mg/l	1/31/2024	E200.8 IC-MS
Barium Total	0.044 mg/L	2.0 mg/l	1/31/2024	E200.8 IC-MS
Chromium	<0.00100 mg/L	0.10 mg/l AL	1/31/2024	E200.8 IC-MS
Copper Total	0.0036 mg/L	1.0 mg/l AL	1/31/2024	E200.8 IC-MS
Manganese Total	0.0035 mg/L	0.05 mg/l	1/31/2024	E200.8 IC-MS
Nickel Total	0.0012 mg/L	.1 mg/l	1/31/2024	E200.8 IC-MS

DEFINITIONS

ug/l parts per billion or micrograms per liter

mg/l parts per million or milligrams per liter

TCEQ completed a Source Water Susceptibility for all drinking water systems that own their sources. This report describes the susceptibility and types of constituents that may come into contact with the drinking water source based on human activities and natural conditions. The system(s) from which we purchase our water received the assessment report. For more information on source water assessments and protection efforts at our system contact **MEN WSC [903 872-1899]**.

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.	4		0	N	Naturally present in the environment.

2024 Water Quality Test Results

Disinfection By-Products	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Haloacetic Acids (HAA5)	2024	19	0 - 22.3	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	49	32.3 - 62.5	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	Units	Violation	Likely Source of Contamination
Nitrate [measured as Nitrogen]	2024	2	0.452 - 2.3	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

Disinfectant Residual

A blank disinfectant residual table has been added to the CCR template, you will need to add data to the fields. Your data can be taken off the Disinfectant Level Quarterly Operating Reports (DLQOR).

Disinfectant Residual	Year	Average Level	Range of Levels Detected	MRDL	MRDLG	Unit of Measure	Violation (Y/N)	Source in Drinking Water
Chloramines Total & Free	2024	1.5	0.21-4.0	4	4		N	Water additive used to control microbes.

Violations

Chlorine			
Some people who use water containing chlorine well in excess of the MRDL could experience irritating effects to their eyes and nose. Some people who drink water containing chlorine well in excess of the MRDL could experience stomach discomfort.			
Violation Type	**Violation Begin**	**Violation End**	**Violation Explanation**
Disinfectant Level Quarterly Operating Report (DLQOR).	01/01/2024	03/31/2024	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. Reason failed: TCEQ failed to receive – Unknown- Copy Available at MEN WSC Office Report mailed USPS 4/9/2024

Violations

Lead and Copper Rule			
The Lead and Copper Rule protects public health by minimizing lead and copper levels in drinking water, primarily by reducing water corrosivity. Lead and copper enter drinking water mainly from corrosion of lead and copper containing plumbing materials.			
Violation Type	**Violation Begin**	**Violation End**	**Violation Explanation**
FOLLOW-UP OR ROUTINE TAP M/R (LCR)	01/01/2024	2024	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.
FOLLOW-UP OR ROUTINE TAP M/R (LCR)	07/01/2024	2024	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.

Public Notification Rule			
The Public Notification Rule helps to ensure that consumers will always know if there is a problem with their drinking water. These notices immediately alert consumers if there is a serious problem with their drinking water (e.g., a boil water emergency).			
Violation Type	**Violation Begin**	**Violation End**	**Violation Explanation**
PUBLIC NOTICE RULE LINKED TO VIOLATION	12/31/2023	07/01/2024	We failed to adequately notify you, our drinking water consumers, about a violation of the drinking water regulations.
PUBLIC NOTICE RULE LINKED TO VIOLATION	06/23/2024	2024	We failed to adequately notify you, our drinking water consumers, about a violation of the drinking water regulations.

(A) Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system. We found coliforms indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessment(s) to identify problems and to correct any problems that were found during these assessments.

(B) During the past year we were required to conduct one (1) Level 1 assessment(s). One (1) Level 1 assessment(s) were completed

(C) During the past year one (1) Level 2 assessments was required to be completed for our water system. One (1) Level 2 assessments were completed.

MEN WSC's Level 1 Assessments were triggered by original and repeat BT samples showing positive total coliform results, but no positive E.coli results. This means there is the possibility of the water becoming a health risk if contaminated by an outside source resulting in possible bacteria (E.coli) contamination of drinking water. The Level 1 assessments did not identify any specific causes for the positive total coliform results. Additional steps were taken at the sample sites such as additional flushing, cleaning at the site and better protection of samples bottles. All of the following month samples were negative for total coliform. MEN WSC did have an original and repeat BT sample at a different sample location that triggered a Level 2 Assessment because of the previous Level 1 assessment being within a year. A TCEQ contractor was sent to assist in determining the possible cause of the repeat sample being total coliform positive. After reviewing systems sample sites and the required paper records no specific causes were determined. Recommendations were made for improving the sample sites and changes to the sites have been completed. Information of the Level 1 and 2 assessments is available for review at the MEN WSC office or you may call us if there are additional questions. It was determined that the level 1 and level2 were due to time water remained in storage Tank at Plant 1 and Elevated Tower. Both storage facilities were removed from service, cleaned with repeat testing results Negative. Service to customers were maintained with the tanks out of service during cleaning

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

MEN WSC has violated the monitoring and reporting requirements set by Texas Commission on Environmental Quality (TCEQ) in Chapter 30, Section 290, Subchapter F. Even though these were not emergencies, as our customers, you have the right to know what happened and what we are doing to correct these situations.

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During January 1, 2023 – June 30,2023 we did not monitor or test for lead/copper and therefore cannot be sure of the quality of your drinking water during that time.

The table below lists the contaminant(s) we did not properly test for during the last year, how often we are supposed to sample for lead/copper, how many samples we are supposed to take, how many samples we took, when samples should have been taken, and the date on which the follow-up samples will be taken.

Contaminant	Required sampling frequency	Number of samples taken	When samples should have been taken	When samples were or will be taken
Lead and copper tap water sampling	yearly	20	1/1/23 – 6/30/23	7/1/25 – 9/30/25
Lead and copper entry point sampling	NA			
Water quality parameters	NA			

What is being done?

We are working to correct the problem. For more information, please contact Dennis Donoho at 903-872-1899 or P O Box 3019, Corsicana, TX 75151. Note: During the previous nine lead/copper sampling periods stating in 1993 none of the samples have exceeded the 90% level requirement resulting in longer periods between sampling requirements. At one time MEN WSC sampling period was reduced to nine year intervals.

Please share this information with all other people who drink this water, especially those who may not have received this notice directly (i.e., people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

This notice is being sent to you by MEN WSC Public Water System Number: TX 1750015

Lead Service Line Inventory
During the years of 2023 and 2024 while MEN WSC changed out the water meters to the radio read system an inventory of the customers service lines was taken. This inventory can be viewed at the MEN Water Supply office.

Turbidity and TOC 2024

Navarro Mills								Lake Halbert							
NTU				TOC				NTU				TOC			
Month	Average	Highest	% Compliance	Raw TOC	Tap TOC	% Removal	% Compliance	Month	Average	Highest	% Compliance	Raw TOC	Tap TOC	% Removal	% Compliance
Jan	0.09	0.17	100	5.19	3.75	27.7	148	Jan	0.07	0.14	100	6.21	4.56	26.6	100
Feb	0.10	0.20	100	5.62	3.82	32.0	171	Feb	0.05	0.11	100	5.84	4.34	25.7	100
Mar	0.08	0.15	100	5.63	4.01	28.8	115	Mar	0.05	0.09	100	5.10	3.69	27.6	100
Apr	0.07	0.11	100	5.20	3.45	33.7	135	Apr	0.05	0.12	100	5.01	3.45	31.1	100
May	0.08	0.17	100	4.68	3.09	34.0	136	May	0.05	0.10	100	4.22	2.91	31.0	129
Jun	0.08	0.20	100	5.67	3.43	39.5	158	Jun	0.05	0.10	100	4.74	3.19	32.7	136
Jul	0.07	0.14	100	5.30	3.41	35.7	143	Jul	0.05	0.08	100	5.34	3.40	36.3	104
Aug	0.06	0.11	100	4.81	3.28	31.8	127	Aug	0.05	0.11	100	4.94	3.17	35.8	102
Sep	0.06	0.11	100	4.56	3.37	26.1	104	Sep	0.04	0.08	100	4.57	2.86	37.4	107
Oct	0.06	0.10	100	4.29	2.92	31.9	91	Oct	0.08	0.14	100	5.61	3.80	32.3	100
Nov	0.05	0.08	100	4.71	3.37	28.5	104	Nov	0.08	0.14	100	6.54	4.11	37.2	106
Dec	0.06	0.11	100	5.10	3.48	31.8	116	Dec	0.10	0.18	100	7.25	4.72	34.9	100
Average	0.07			5.06	3.45	31.8	129.0		0.06			5.45	3.68	32.4	107.0
								TOC % compliance removal Plants running yearly	average	is based must meet or exceed	on compliance with the 100% compliance	TCEQ rules	on TOC based on a		
			NTU	Raw TOC	Tap TOC	% Removal									
Average Both Plants			0.07	5.26	3.57	32.1									

TTHM's 2024

Date of Samples	1/31/2024	4/8/2024	8/12/2024		
Address of Sample	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Average of Quarters
4501 E HWY 31	39.1	40.7	60.8	38.9	44.9
2117 W 15th Ave	40.9	48.5	80.8	51.7	55.5
3500 Northpark	41.6	46.3	79.4	41.3	52.2
700 E 16th Ave	40.0	46.6	72.5	47.4	51.6
Average for each quarter	40.4	45.5	73.4	44.8	51.0

Haa5's 2024

Date of Samples	1/31/2024	4/8/2024	8/12/2024		
Address of Sample	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Average of Quarters
4501 E HWY 31	17.2	18.0	28.5	20.9	21.2
2117 W 15th Ave	15.5	23.3	36.1	16.4	22.8
3500 Northpark	16.9	22.3	43.3	24.5	26.8
700 E 16th Ave	14.0	21.5	44.0	6.90	21.6
Average for each quarter	15.9	21.3	38.0	17.18	23.1