

2024 Consumer Confidence Report for Public Water System B & B WSC

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

For more information regarding this report contact:

B & B WSC provides surface water from **NAVARRO MILLS LAKE** located in NAVARRO COUNTY.

Name _____ B&B WATER SUPPLY _____

Phone _____ 903-872-0650 _____

Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono (903) 872-0650.

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

B & B WSC purchases water from CITY OF CORSICANA. CITY OF CORSICANA provides purchase surface water from NAVARRO MILLS LAKE LOCATED IN NAVARRO COUNTY.

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 **GREG RODRIGUEZ 214-669-1865**.

Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	09/14/2022	1.3	1.3	0.101	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems
Lead	09/14/2022	0	15	1.01	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

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	44	6.9-44	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	80.8	39.1-80.8	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	Units	Violation	Likely Source of Contamination
Nitrate [measured as Nitrogen]	2024	1.38	0.0244 - 1.58	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
	2024	2.28	1.99-.264	4	4	MG/L	N	Water additive used to control microbes.

Violations

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	06/23/2024	2024	We failed to adequately notify you, our drinking water consumers, about a violation of the drinking water regulations.

Average Chlorine Residual
2024

Month	Average Residual (mg/L)
January	2.64
February	2.46
March	2.48
April	2.43
May	2.26
June	2.04
July	1.99
August	2.10
September	2.25
October	2.27
November	2.20
December	2.27
2024 Yearly Average	2.28 mg/L

Min reading 0.6 mg/L
Max Reading 3.8 mg/L

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	Detected Quantity	MC/L	Date Collected	Analytical Method
Acetone	<5.00 ug/L	N/A	8/12/2024	E524.2 GC/MS
Choloroform	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

Metals 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

Acetone	<5.00 ug/L	N/A	8/12/2024	E524.2 GC/MS
Chloroform	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-MS

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

Turbidity and TOC 2024

Navarro Mills												Lake Halbert					
Month	NTU			TOC			Month	NTU			TOC						
	Average	Highest	% Compliance	Raw TOC	Tap TOC	% Removal		% Compliance	Average	Highest	% Compliance	Raw TOC	Tap TOC	% Removal	% Compliance		
Jan	0.09	0.17	100	5.19	3.75	27.7	148	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	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	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	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	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	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	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	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	0.04	0.08	100	4.57	2.86	37.4	107			
Oct	0.05	0.10	100	4.29	2.92	31.9	91	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	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	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			
Average Both Plants			NTU	Raw TOC	Tap TOC	% Removal		TOC % compliance is based on compliance with the TCEQ rules on TOC removal. Plants must meet or exceed 100% compliance based on a running quarterly average.									
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