Wholesale Water Provider CCR

Post Oak SUD

2024

2024 Consumer Confidence Report for Public Water System CITY OF COOLIDGE

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

CITY OF COOLIDGE provides surface water from **Navarro Mills Lake Reservoir** located in **Navarro County, purchased from Post SUD**.

For more information regarding this report contact:

Name Andrew Poe

Phone 254-786-4814

Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favo llamar al telefono (254) 786-4814.

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 o 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 occ 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 technolog
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 disinfectan 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 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 Wate 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, 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 c 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 mo 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 wit 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 an 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 us 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 minu 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, tes 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

CITY OF COOLIDGE purchases water from POST OAK SUD. POST OAK SUD provides purchase surface water from **[insert source name of aquifer, reservoir, and/or river]** located in **[insert name of County or City]. [insert a table containing any contaminant that was detected in the provider's water for this calendar year, unless that contaminant has been separately monitored in your water system (i.e. TTHM, HAA5, Lead an Copper, Coliforms)].**

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 system contact **[insert water system contact][insert phone number].**

Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	08/08/2023	1.3	1.3	0.0824	0	ppm	N	Erosion of natural deposits; Leaching from v preservatives; Corrosion of household plum systems

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	25	21.6 - 30.9	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	83	40 - 167	No goal for the total	80	ppb	Y	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	1.26 - 1.26	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic 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	2024	2.75	0.76-3.9	4	4	PPM	N	Water additive used to control microbes.

Violations

Consumer Confidence Rule

The Consumer Confidence Rule requires community water systems to prepare and provide to their customers annual consumer confidence reports on the quality of the water delivered by the systems.

Violation Type	Violation Begin	Violation End	Violation Explanation
CCR ADEQUACY/AVAILABILITY/CONTENT	07/02/2024	09/13/2024	We failed to provide to you, our drinking water customers, an annual report that adequately informed you about the qu of our drinking water and the risks from exposure to contaminants detected in our drinking water.

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 wat (e.g., a boil water emergency).

Violation Type	Violation Begin	Violation End	Violation Explanation
PUBLIC NOTICE RULE LINKED TO VIOLATION	02/29/2024	04/01/2024	We failed to adequately notify you, our drinking water consumers, about a violation of the drinking water regulations.

Total Trihalomethanes (TTHM)

Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting c

Violation Type	Violation Begin	Violation End	Violation Explanation
MCL, LRAA	07/01/2024	09/30/2024	Water samples showed that the amount of this contaminant in our drinking water was above its standard (called a maxi contaminant level and abbreviated MCL) for the period indicated.
MCL, LRAA	10/01/2024	12/31/2024	Water samples showed that the amount of this contaminant in our drinking water was above its standard (called a maxi contaminant level and abbreviated MCL) for the period indicated.

The Lead service line inventory has not been completed yet. Funding is being obtained to complete the survey as soon as possible. Once completed, the results will be available to be viewed on our website.

2022 Consumer Confidence Report for Public Water System CITY OF CORSICANA

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

CITY OF CORSICANA provides surface water from **Navarro Mills Lake, Richland Chambers Reservoir, and Lake Halbert** located in **Navarro County**.

For more information regarding this report contact:

Name Jason Beard, Environmental Services Director

Phone 903-654-4889

Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono (903) 654 - 4889.

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Information about Source Water

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 is based on this susceptibility and previous sample data. Any detections 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 **Jason Beard at 903-654-4889**

Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	2022	1.3	1.3	0.05	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	2022	0	15	5.7	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

Variances or Exemptions

Variance or Exemptions	Explanation of Variance	Date Variance was Issued	Date Variance Expires	Brief status on the steps the System is taking to comply with the terms and Schedule of the Variance.	Any opportunity for public input on the review or removal of the Variance.
Variance Alternative Capacity Requirement (ACR)	ACR is a reduction in the TCEQ's .6gpm/connection Rule	6/1/2010	N/A	The City is monitoring water pumpage so not to exceed variance requirements	Not at this time.

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.	0	TT	0	N	Naturally present in the environment.

2022 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)	2022	20	10.9 - 22.5	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)	2022	50	32.2 - 63.3	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
Aluminum	2022	0.029	0.023 – 0.029	0.2	0.2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.

Barium	2022	0.059	0.047 - 0.059	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Cyanide	2022	121	92.8 - 121	200	200	ppb	N	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories.
Fluoride	2022	0..554	0.498 - 0.554	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]	2022	0.181	0.0882 - 0.181	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Combined Radium 226/228	07/26/2017	1.5	1.5 - 1.5	0	5	pCi/L	N	Erosion of natural deposits.

Synthetic organic contaminants including pesticides and herbicides	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Atrazine	2022	1.2	0.2 - 1.2	3	3	ppb	N	Runoff from herbicide used on row crops.

Disinfectant Residual

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Disinfectant Residual	Year	Average Level	Range of Levels Detected	MRDL	MRDLG	Unit of Measure	Violation (Y/N)	Source in Drinking Water
Chloramines	2022	2.07	0.5 – 3.4	4	4	ppm	N	Water additive used to control microbes.

Turbidity

	Level Detected	Limit (Treatment Technique)	Violation	Likely Source of Contamination
Highest single measurement	0.17 NTU	1 NTU	N	Soil runoff.
Lowest monthly % meeting limit	100%	0.3 NTU	N	Soil runoff.

Information Statement: 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 of our filtration system and disinfectants.

Total Organic Carbon

The percentage of Total Organic Carbon (TOC) removal was measured each month and the system met all TOC removal requirements set, unless a TOC violation is noted in the violations section.

In the water loss audit submitted to the Texas Water Development Board for the time period of Jan-Dec 2022, our system lost an estimated 163,376,084 gallons of water. If you have any questions about the water loss audit please call the PWS phone number listed at the beginning of this report.

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
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				
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
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-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
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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	0.15	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

	NTU	Raw TOC	Tap TOC	% Removal
Average Both Plants	0.07	5.26	3.57	32.1

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.

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