



County Line Special Utility District

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2021 CONSUMER CONFIDENCE REPORT: Annual Drinking Water Quality Report January 1 to December 31, 2021 County Line SUD – PWS I.D. 1050038

This report is intended to provide you with important information about your drinking water and the efforts made by the water system to provide safe drinking water. For more information regarding this report contact County Line SUD at (512) 398-4748.

Este reporte incluye informacion importante sobre el agua para tomar. Para asistencia en espanol, favor de llamar al telefono (512) 398-4748.

Sources of 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 Environmental Protection Agency'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, the Environmental Protection Agency prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration 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 at (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>.

This is an alert about your drinking water and a cosmetic dental problem that might affect children under nine years of age. At low levels, fluoride can help prevent cavities, but children drinking water containing more than 2 milligrams per liter (mg/L) of fluoride may develop cosmetic discoloration of their permanent teeth (dental fluorosis). The drinking water provided by your community water system County Line SUD has a fluoride concentration of 2.97 mg/L.

Dental fluorosis, in its moderate or severe forms, may result in a brown staining and/or pitting of the permanent teeth. This problem occurs only in developing teeth, before they erupt from the gums. Children under nine should be provided with alternative sources of drinking water or water that has been treated to remove the fluoride to avoid the possibility of staining and pitting of their permanent teeth. You may also want to contact your dentist about proper use by young children of fluoride-containing products. Older children and adults may safely drink the water.

Drinking water containing more than 4 mg/L of fluoride (the U.S. Environmental Protection Agency's drinking water standard) can increase your risk of developing bone disease. Your drinking water does not contain more than 4 mg/L of fluoride, but we're required to notify you when we discover that the fluoride levels in your drinking water exceed 2 mg/L because of this cosmetic dental problem.

For more information, please call Daniel Heideman of County Line SUD at (512) 398-4748. Some home water treatment units are also available to remove fluoride from drinking water. To learn more about available home water treatment units, you may call NSF International at 1-877-8-NSF-HELP.

Information about Source Water Assessments

County Line SUD purchases water from the CRWA Hays Caldwell WTP. CRWA Hays Caldwell WTP provides purchase water from the San Marcos River.

The Texas Commission on Environmental Quality completed an assessment of your source water and results indicate that some of your 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 County Line SUD at (512) 398-4748.

For more information about your sources of water, please refer to the Source Water Assessment Viewer available at the following URL: <http://www.tceq.texas.gov/gis/swaview>.

Further details about sources and source water assessments are available in Drinking Water Watch at the following URL: <http://dww.tceq.state.tx.us/DWW/>.

Water Sources

County Line SUD uses groundwater and purchased surface water for its drinking water sources.

Name	Location	Type of Water	Source
Well 1 (Brooks Site)	Kyle	Groundwater	Edwards Aquifer
Well 2 (Brooks Site)	Kyle	Groundwater	Edwards Aquifer
SH 21 Booster Station	SH 21	Purchased Surface Water	CRWA – Hays Caldwell WTP

Water Loss

In the water loss audit submitted to the Texas Water Development Board for calendar year 2021, our system lost an estimated 54,204,256 gallons of water, or 13.3% of total system input. If you have any questions about the water loss audit please call (512) 398-4748.

Definitions

The following tables contain scientific terms and measures, some of which may require explanation.

Action Level or AL: 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).

N/A: not applicable.

MREM: millirems per year (a measure of radiation absorbed by the body).

NTU: nephelometric turbidity units (a measure of turbidity).

pCi/L: picocuries per liter (a measure of radioactivity).

ppb: parts per billion or micrograms per liter ($\mu\text{g/L}$) – or one ounce in 7,350,000 gallons of water.

ppm: parts per million or milligrams per liter (mg/L) – or one ounce in 7,350 gallons of water.

ppt: parts per trillion, or nanograms per liter (ng/L).

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

Treatment Technique or TT: A required process intended to reduce the level of a contaminant in drinking water.

Disinfectant

Disinfectant Used	Year	Average Level	Minimum Level	Maximum Level	MRDL	MRDLG	Unit of Measure	Violation	Source of Chemical
Chlorine	2021	1.43	0.45	2.5	4	<4.0	ppm	N	Water additive used to control microbes.

Regulated Contaminants Detected – County Line SUD

The following tables represent regulated contaminants detected in the County Line SUD’s water system.

Lead and Copper

Lead and Copper	Date Sampled	MCLG	AL	90 th Percentile	No. Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	08/11/2020	1.3	1.3	0.18	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems
Lead	08/11/2020	0	15	1	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

Disinfection By-Products

Contaminant	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Haloacetic Acids (HAA5)	2021	24	0-23.9	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)	2021	61	4.3-90.9	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

Contaminant	Collection Date	Highest Level Detected/ Annual Avg.	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Barium	06/10/2019	0.0657	0.0657 – 0.0657	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Fluoride	02/10/2020	2.97	2.97-2.97	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]	2021	2	0-1.84	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits

Radioactive Contaminants

Contaminant	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Beta/photon emitters	08/10/2018	5.6	5.6 – 5.6	0	50	pCi/L*	N	Decay of natural and man-made deposits.
*EPA considers 50 pCi/L to be the level of concern for beta particles.								
Gross alpha excluding radon and uranium	08/10/2018	5.5	5.5 – 5.5	0	15	pCi/L	N	Erosion of natural deposits.

Regulated Contaminants Detected – CRWA Hays-Caldwell WTP

Water systems that purchase drinking water are required to list the regulated contaminants detected in the water systems they purchase from unless that contaminant has been separately monitored in their own water system. County Line SUD purchases a portion of its drinking water from the CRWA Hays-Caldwell WTP. The following tables represent regulated contaminants detected in the CRWA Hays-Caldwell WTP.

Disinfection By-Products

Contaminant	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Chlorite	2021	0.815	0.244 – 0.815	0.8	1	ppm	N	By-product of drinking water disinfection
Haloacetic Acids (HAA5)	2021	34	17.8-49.7	No goal for the total	60	ppb	N	By product of drinking water disinfection
Total Trihalomethanes (TTHM)	2021	61	31.4-95.4	No goal for the total	80	ppb	N	By product of drinking water disinfection

Inorganic Contaminants

Contaminant	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Barium	2021	0.0426	0.0426-0.0426	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Fluoride	2021	0.2	0.19-0.19	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]	2021	2	1.85-1.85	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits

Turbidity

	Level Detected	Limit (Treatment Technique)	Violation	Likely Source of Contamination
Highest single measurement	0.08 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. It is monitored because it is a good indicator of water quality and the effectiveness of the filtration system and disinfectants.