

CASS COUNTY PWSD 9

Public Water System ID Number: MO1024118

2020 Annual Water Quality Report

(Consumer Confidence Report)

Contaminants Report

CASS COUNTY PWSD 9 will provide a printed hard copy of the CCR upon request. To request a copy of this report to be mailed, please call us at **816-380-7490**. The CCR can also be found on the internet at www.dnr.mo.gov/ccr/MO1024118.pdf.

The state has reduced monitoring requirements for certain contaminants to less often than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Records with a sample year more than one year old are still considered representative. No data older than 5 years need be included. If more than one sample is collected during the monitoring period, the Range of Sampled Results will show the lowest and highest tested results. The Highest Test Result, Highest LRAA, or Highest Value must be below the maximum contaminant level (MCL) or the contaminant has exceeded the level of health based standards and a violation is issued to the water system.

Regulated Contaminants

Disinfection Byproducts	Sample Point	Monitoring Period	Highest LRAA	Range of Sampled Result(s) (low – high)	Unit	MCL	MCLG	Typical Source
(HAA5)	DBPDUAL-01	2020	6	6.14 - 6.14	ppb	60	0	Byproduct of drinking water disinfection
TTHM	DBPDUAL-01	2020	6	5.53 - 5.53	ppb	80	0	Byproduct of drinking water disinfection

Lead and Copper	Date	90th Percentile: 90% of your water utility levels were less than	Range of Sampled Results (low – high)	Unit	AL	Sites Over AL	Typical Source
COPPER	2017 - 2019	0.232	0.00655 - 0.308	ppm	1.3	0	Corrosion of household plumbing systems
LEAD	2017 - 2019	1.24	0 - 2.75	ppb	15	0	Corrosion of household plumbing systems

Violations and Health Effects Information

During the 2020 calendar year, we had the below noted violation(s) of drinking water regulations.

Compliance Period	Analyte	Type
No Violations Occurred in the Calendar Year of 2020		

Special Lead and Copper Notice:

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. CASS COUNTY PWSD 9 is responsible for providing high quality drinking water, but 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 (800-426-4791) or at <http://water.epa.gov/drink/info/lead/index.cfm>.

All contaminant sample results from past and present compliance monitoring are available online at the Missouri DNR Drinking Water Watch website at www.dnr.mo.gov/DWW/. To see the Lead and Copper results, enter your water system's name in the box titled Water System Name, then select Find Water Systems at the bottom of the page. On the next screen, click on the [Water System Number](#). At the top of the next page, under the Help column, click on Other Chemical Results by Analyte. Scroll down to Lead and click the blue Analyte Code (1030). A Sample Collection Date range may need to be entered. The Lead and Copper locations will be displayed under the heading Sample Comments. Scroll to find your location and click on the Sample No. for results. If you assisted the water system in taking a Lead and Copper sample but cannot find your location on the list, please contact CASS COUNTY PWSD 9 for your results.

Date Identified	Facility	Category Code	Category Description
07/03/2018	1M GAL ELEVATED STORAGE TANK	FOVF	GEN Overflow

Reseller Contaminants

Regulated Contaminants	Collection Date	Water System	Highest Sample Result	Range of Sampled Result(s) (low – high)	Unit	MCL	MCLG	Typical Source
ARSENIC	5/17/2020	TRI COUNTY WATER AUTHORITY	1.9	1.9	ppb	10	0	Erosion of natural deposits
ATRAZINE	7/16/2017	TRI COUNTY WATER AUTHORITY	0.43	0.43	ppb	3	3	Runoff from herbicide used on row crops
BARIUM	5/17/2020	TRI COUNTY WATER AUTHORITY	0.0624	0.0624	ppm	2	2	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
FLUORIDE	5/17/2020	TRI COUNTY WATER AUTHORITY	0.17	0.17	ppm	4	4	Natural deposits; Water additive which promotes strong teeth
NITRATE-NITRITE	5/17/2020	TRI COUNTY WATER AUTHORITY	0.222	0.222	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits

CASS COUNTY PWSD 9

Public Water System ID Number: MO1024118

2020 Annual Water Quality Report

(Consumer Confidence Report)

Disinfection Byproducts	Monitoring Period	Water System	Highest LRAA	Range of Sampled Result(s) (low – high)	Unit	MCL	MCLG	Typical Source
(HAA5)	2020	TRI COUNTY WATER AUTHORITY	5	5.38	ppb	60	0	Byproduct of drinking water disinfection
TTHM	2020	TRI COUNTY WATER AUTHORITY	5	4.97	ppb	80	0	Byproduct of drinking water disinfection

Reseller Violations and Health Effects Information

During the 2020 calendar year, the water system(s) that we purchase water from had the below noted violation(s) of drinking water regulations.

Water System	Type	Category	Analyte	Compliance Period
No Violations Occurred in the Calendar Year of 2020				

There are no additional required health effects notices.

Optional Monitoring (not required by EPA)

Optional Contaminants

Monitoring is not required for optional contaminants.

Reseller Secondary Contaminants	Collection Date	Water System Name	Highest Sampled Result	Range of Sampled Result(s) (low - high)	Unit	SMCL
ALKALINITY, CaCO3 STABILITY	5/17/2020	TRI COUNTY WATER AUTHORITY	114	114	MG/L	
ALUMINUM	5/17/2020	TRI COUNTY WATER AUTHORITY	0.0194	0.0194	MG/L	0.05
CALCIUM	5/17/2020	TRI COUNTY WATER AUTHORITY	18.2	18.2	MG/L	
CHLORIDE	5/17/2020	TRI COUNTY WATER AUTHORITY	17.4	17.4	MG/L	250
HARDNESS, CARBONATE	5/17/2020	TRI COUNTY WATER AUTHORITY	142	142	MG/L	
IRON	5/17/2020	TRI COUNTY WATER AUTHORITY	0.0406	0.0406	MG/L	0.3
MAGNESIUM	5/17/2020	TRI COUNTY WATER AUTHORITY	23.4	23.4	MG/L	
MANGANESE	5/17/2020	TRI COUNTY WATER AUTHORITY	0.00362	0.00362	MG/L	0.05
PH	5/17/2020	TRI COUNTY WATER AUTHORITY	8.3	8.3	PH	8.5
POTASSIUM	5/17/2020	TRI COUNTY WATER AUTHORITY	6.01	6.01	MG/L	
SODIUM	5/17/2020	TRI COUNTY WATER AUTHORITY	35.1	35.1	MG/L	
SULFATE	5/17/2020	TRI COUNTY WATER AUTHORITY	85.6	85.6	MG/L	250
TDS	5/17/2020	TRI COUNTY WATER AUTHORITY	262	262	MG/L	500
ZINC	5/17/2020	TRI COUNTY WATER AUTHORITY	0.00406	0.00406	MG/L	5