Testing Results for Rural Water District No. 1, Finney County

Rural Water District No. 1 had no violations of drinking water regulations in 2023.

Disinfection Byproducts	Monitoring Period	Highest RAA	Range (low/high)	Unit	MCL	MCLG	Typical Source
TTHM	2023	9	8.7	ppb	80	0	By-product of drinking water chlorination

Lead and Copper	Monitoring Period	90th Percentile	Range (low/high)	Unit	AL	Sites Over AL	Typical Source
COPPER, FREE	2020 - 2022	0.48	0.0041 - 0.58	ppm	1.3	0	Corrosion of household plumbing
LEAD	2020 - 2022	1.7	0 - 1.8	ppb	15	0	Corrosion of household plumbing

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. Your water system 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* or at http://www.epa.gov/safewater/lead.

Chlorine/Chloramines Maximum Disinfection Level	MPA	MPA Units	RAA	RAA Units
2023 - 2023	1.7000	MG/L	1.3	MG/L

There are no additional required health effects notices.

There are no additional required health effects violation notices.

Some or all of our drinking water is supplied from another water system. The table below lists all of the drinking water contaminants that were detected during the 2023 calendar year by the water systems from which we purchase drinking water.

Regulated Contaminants	Collection Date	Water System	Highest Value	Range (low/high)	Unit	MCL	MCLG	Typical Source
ARSENIC	2/9/2022	WHEATLAND ELECTRIC COOPERATIVE INC	1.8	1.4 - 1.8	ppb	10	0	Erosion of natural deposits
BARIUM	2/9/2022	WHEATLAND ELECTRIC COOPERATIVE INC	0.062	0.005 - 0.062	ppm	2	2	Discharge from metal refineries
CHROMIUM	2/9/2022	WHEATLAND ELECTRIC COOPERATIVE INC	1.1	0 - 1.1	ppb	100	100	Discharge from steel and pulp mills
FLUORIDE	2/9/2022	WHEATLAND ELECTRIC COOPERATIVE INC	0.55	0 - 0.55	ppm	4	4	Natural deposits; Water additive which promotes strong teeth.
NITRATE	2/6/2023	WHEATLAND ELECTRIC COOPERATIVE INC	5.5	4.7 - 5.5	ppm	10	10	Runoff from fertilizer use
SELENIUM	2/9/2022	WHEATLAND ELECTRIC COOPERATIVE INC	8.1	3.2 - 8.1	ppb	50	50	Erosion of natural deposits

Secondary Contaminants	Collection Date	Water System	Highest Value	Range (low/high)	Unit	SMCL
ALKALINITY, TOTAL	2/9/2022	WHEATLAND ELECTRIC COOPERATIVE INC	130	73 - 130	MG/L	300
CALCIUM	2/9/2022	WHEATLAND ELECTRIC COOPERATIVE INC	70	47 - 70	MG/L	200
CHLORIDE	2/9/2022	WHEATLAND ELECTRIC COOPERATIVE INC	39	8.7 - 39	MG/L	250
CONDUCTIVITY @ 25 C UMHOS/CM	2/9/2022	WHEATLAND ELECTRIC COOPERATIVE INC	780	390 - 780	UMHO/CM	1500
HARDNESS, TOTAL (AS CACO3)	2/9/2022	WHEATLAND ELECTRIC COOPERATIVE INC	260	160 - 260	MG/L	400
IRON	2/9/2022	WHEATLAND ELECTRIC COOPERATIVE INC	0.023	0 - 0.023	MG/L	0.3
MAGNESIUM	2/9/2022	WHEATLAND ELECTRIC COOPERATIVE INC	20	8.9 - 20	MG/L	150
NICKEL	2/9/2022	WHEATLAND ELECTRIC COOPERATIVE INC	0.0031	0.0016 - 0.0031	MG/L	0.1
PH	2/9/2022	WHEATLAND ELECTRIC COOPERATIVE INC	7.9	7.6 - 7.9	PH	8.5
PHOSPHORUS, TOTAL	2/9/2022	WHEATLAND ELECTRIC COOPERATIVE INC	0.03	0 - 0.03	MG/L	5
POTASSIUM	2/9/2022	WHEATLAND ELECTRIC COOPERATIVE INC	2.5	2.4 - 2.5	MG/L	100
SILICA	2/9/2022	WHEATLAND ELECTRIC COOPERATIVE INC	20	7.7 - 20	MG/L	50
SODIUM	2/9/2022	WHEATLAND ELECTRIC COOPERATIVE INC	70	21 - 70	MG/L	100
SULFATE	2/9/2022	WHEATLAND ELECTRIC COOPERATIVE INC	38	0 - 38	MG/L	250
TDS	2/9/2022	WHEATLAND ELECTRIC COOPERATIVE INC	580	280 - 580	MG/L	500
ZINC	2/9/2022	WHEATLAND ELECTRIC COOPERATIVE INC	0.0066	0.006 - 0.0066	MG/L	5

Please Note: Because of sampling schedules, results may be older than 1 year.