

2023 Table of Detected Regulated Contaminants For Mid-Dakota Rural Water (EPA ID 2175)

Terms and abbreviations used in this table:

* Maximum Contaminant Level Goal(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 Contaminant Level(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.

* Action Level(AL): the concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow. For Lead and Copper, 90% of the samples must be below the AL.

* Treatment Technique(TT): A required process intended to reduce the level of a contaminant in drinking water. For turbidity, 95% of samples must be less than 0.3 NTU

* Running Annual Average(RAA): Compliance is calculated using the running annual average of samples from designated monitoring locations.

Units:

*MFL: million fibers per liter

*mrem/year: millirems per year(a measure of radiation absorbed by the body)

*NTU: Nephelometric Turbidity Units

*pCi/l: picocuries per liter(a measure of radioactivity)

*ppm: parts per million, or milligrams per liter (mg/l)

*ppb: parts per billion, or micrograms per liter(ug/l)

*ppt: parts per trillion, or nanograms per liter

*ppq: parts per quadrillion, or picograms per liter

*pspm: positive samples per month

Substance	90% Level	Test Sites > Action Level	Date Tested	Highest Level Allowed (AL)	Ideal Goal	Units	Major Source of Contaminant
Copper	0.3	0	08/24/22	AL=1.3	0	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.
Lead	1	0	08/31/22	AL=15	0	ppb	Corrosion of household plumbing systems; erosion of natural deposits.

Substance	Highest Level Detected	Range	Date Tested	Highest Level Allowed (MCL)	Ideal Goal (MCLG)	Units	Major Source of Contaminant
Alpha emitters	4	ND - 4	11/30/22	15	0	pCi/l	Erosion of natural deposits.
Antimony	0.32		03/22/22	6	6	ppb	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder.
Arsenic	2		03/22/22	10	0	ppb	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.
Atrazine	0.280	ND - 0.280	11/13/19	3	3	ppb	Runoff from herbicide used on row crops.
Barium	0.035		03/22/22	2	2	ppm	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Fluoride	0.50		10/04/23	4	<4	ppm	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
Haloacetic Acids (RAA)	20.0		03/20/23	60	0	ppb	By-product of drinking water chlorination. Results are reported as a running annual average of test results.
Selenium	0.96		03/22/22	50	50	ppb	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines.
Total Coliform Bacteria	1	positive samples		1	0	pspm	Naturally present in the environment.
Total trihalomethanes (RAA)	38.50		11/07/23	80	0	ppb	By-product of drinking water chlorination. Results are reported as a running annual average of test results.

Please direct questions regarding this information to Mr Bill Sarringar with the Mid-Dakota Rural Water public water system at (605)853-3159.

2023 Table of Detected Unregulated Contaminants For Mid-Dakota Rural Water (EPA ID 2175)

The U.S. Environmental Protection Agency(EPA) is required to test for possible contaminants in your drinking water every five years. These contaminants are not regulated and acceptable levels have not been set by EPA. As a means of informing the public, the detected levels of these unregulated contaminants are listed below.

Units:

*µg/L: micrograms per liter, or parts per billion (ppb)

Substance	Level Detected	Units	Date Tested	Range
Lithium	60	ug/l	4/12/2023	52.0-60 ug/l

For more information on the unregulated contaminants, go to: <https://www.epa.gov/dwucmr>
or contact the Safe Drinking Water Hotline at (800)426-4791 <http://water.epa.gov/drink/contact.cfm>.