

2022 Table of Detected Regulated Contaminants For Butte-Meade SWD-Bean Well (EPA ID 0223)

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	0.1	0	09/15/20	AL=1.3	0	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.
Lead	2	0	09/16/20	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	13	ND - 13	10/21/20	15	0	pCi/l	Erosion of natural deposits.
Barium	0.034		09/21/20	2	2	ppm	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Combined Radium	2	ND - 2	10/21/20	5	0	pCi/l	Erosion of natural deposits.
Fluoride	1.73		10/12/22	4	<4	ppm	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
Selenium	7		09/21/20	50	50	ppb	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines.

Please direct questions regarding this information to Mr Mike Wolff with the Butte-Meade SWD-Bean Well public water system at (605)456-2288.