

The data presented in this report are from the most recent testing done in accordance with administrative regulations in 401 KAR Chapter 8. As authorized and approved by EPA, 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. Some of the data in this table, though representative, may be more than one year old.

	Allowable Levels	Highest Single Measurement	Lowest Monthly %	Violation	Likely Source
Turbidity (NTU) TT * Representative samples of filtered water	No more than 1 NTU* Less than 0.3 NTU in 95% of monthly samples	0.08	100	No	Soil runoff

Regulated Contaminant Test Results

Contaminant [code] (units)	MCL	MCLG	Report Level	Range of Detection	Date of Sample	Violation	Likely Source of Contamination
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Microbiological Contaminants

Total Coliform Bacteria # or % positive samples	TT	N/A	2	N/A	Sept-16	No	Naturally present in the environment
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Radioactive Contaminants

Alpha emitters [4000] (pCi/L)	15	0	2	2 to 2	Feb-16	No	Erosion of natural deposits
Combined radium (pCi/L)	5	0	0.54	0.54 to 0.54	Mar-16	No	Erosion of natural deposits

Inorganic Contaminants

Barium [1010] (ppm)	2	2	0.012	0.012 to 0.012	Jan-14	No	Drilling wastes; metal refineries; erosion of natural deposits
Copper [1022] (ppm) sites exceeding action level 0	AL = 1.3	1.3	0.083 (90 th percentile)	0 to 0.35	Jun-16	No	Corrosion of household plumbing systems
Fluoride [1025] (ppm)	4	4	1.1	1.1 to 1.1	Feb-14	No	Water additive which promotes strong teeth

Disinfectants/Disinfection Byproducts and Precursors

Chlorine (ppm)	MRDL = 4	MRDLG = 4	1.26 (highest average)	0.89 to 1.48	2016	No	Water additive used to control microbes.
TTHM (ppb) (Stage 2) [total trihalomethanes]	80	N/A	7 (high site average)	2.7 to 11 (range of individual sites)	2016	No	Byproduct of drinking water disinfection.

Unregulated Contaminants (UCMR 3)	average	range (ppb)	date
strontium	20.500	18 to 22	Mar-14

EPA has not established drinking water standards for unregulated contaminants. There are no MCL's and therefore no violations if found.

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.

Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system. We found coliforms indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessment(s) to identify problems and to correct any problems that were found during these assessments.

During the past year we were required to conduct one Level 1 assessment. One Level 1 assessment was completed. While completing the assessment we found a spider's nest in the faucet. To keep this from happening again we changed our flushing technique to allow such debris to be forced out through the pressure of the water.