

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. Unless otherwise noted, the report level is the highest level detected.

	Allowable Levels	Highest Single Measurement	Lowest Monthly %	Violation	Likely Source
Turbidity (NTU) TT	No more than 1 NTU Less than 0.3 NTU in 95% of monthly samples	0.16	100		Soil run off

Regulated Contaminant Test Results

Contaminant [code] (units)	MCL	MCLG	Report Level	Range of Detection	Date of Sample	Violation	Likely Source of Contamination
Total Coliform Bacteria # or % positive samples	5%	0	6	N/A	Aug	Yes	Naturally present in the environment
Combined radium (pCi/L)	5	0	1	0.3 to 1	Nov-02	No	Erosion of natural deposits
Antimony [1074] (ppb)	6	6	4	4 to 4	Mar-04	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder
Barium [1010] (ppm)	2	2	0.031	0.031 to 0.031	Mar-04	No	Drilling wastes; metal refineries; erosion of natural deposits
Copper [1022] (ppm) sites exceeding action level 0	AL = 1.3	1.3	0.123 (90 th percentile)	0.001 to 0.289	Sep-04	No	Corrosion of household plumbing systems
Fluoride [1025] (ppm)	4	4	1.23	0.97 to 1.23	Nov	No	Water additive which promotes strong teeth
Lead [1030] (ppb) sites exceeding action level 0	AL = 15	0	1 (90 th percentile)	0 to 3	Sep-04	No	Corrosion of household plumbing systems
Nitrate [1040] (ppm)	10	10	0.27	0.27 to 0.27	Aug-04	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Total Organic Carbon (ppm) measured as ppm, but reported as a ratio*	TT	N/A	1.42 (lowest average)	1.01 to 2.26 (monthly ratios)	N/A	No	Naturally present in environment.

*Monthly ratio is the % TOC removal achieved to the % TOC removal required. Annual average of the monthly ratios must be 1.00 or greater for compliance.

Contaminant	MRDL	MRDLG	Report Level	Range of Detection	Date of Sample	Violation	Likely Source of Contamination
Chlorine (ppm)	4	4	1.18 (highest average)	0.20 to 4.10	N/A	No	Water additive used to control microbes.
HAA [Haloacetic acids] (ppb)	60	N/A	36 (highest average)	22 to 49	N/A	No	Byproduct of drinking water disinfection
TTHM [total trihalomethanes] (ppb)	80	0	52 (highest average)	20 to 65	N/A	No	Byproduct of drinking water disinfection.

Total Coliform. Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems.

We received a violation as a result of positive samples in August, 4 samples indicated the presence of coliform bacteria that took us over the 5% positives allowed by the regulations. Resampling from the initial positive sites, as well as upstream and down stream sampling from the initial positive sites indicated no coliform bacteria were present. We also had a violation for failing to submit adequate number of bacteriological check samples; we submitted 10 of 12 required. In the future we will continue to monitor and resample any positive samples to ensure public safety.