

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.

A= Crescent Hill Filter Plant, B=B.E. Payne Water Treatment Plant, C= Taylorsville Water

	Allowable Levels	Source	Highest Single Measurement	Lowest Monthly %	Violation	Likely Source of Turbidity
Turbidity (NTU) TT * Representative samples of filtered water	No more than 1 NTU* Less than 0.3 NTU in 95% monthly samples	A= B=	0.09 0.15	100 100	No No	Soil runoff

Regulated Contaminant Test Results

Contaminant [code] (units)	MCL	MCLG	Source	Report Level	Range of Detection	Date of Sample	Violation	Likely Source of Contamination
Microbiological Contaminants								
Total Coliform Bacteria # or % positive samples	< 5%	0	C=	1	N/A	Nov-13	No	Naturally present in the environment
Radioactive Contaminants								
Combined radium (pCi/L)	5	0	B=	1.4	1.4 to 1.4	2013	No	Erosion of natural deposits
Inorganic Contaminants								
Copper [1022] (ppm) sites exceeding action level 0	AL = 1.3	1.3	C=	0.364 (90 th percentile)	0.007 to 0.873	2011	No	Corrosion of household plumbing systems
Fluoride [1025] (ppm)	4	4	A= B=	0.9 0.9	0.9 to 0.9 0.9 to 1.1	2013 2013	No No	Water additive which promotes strong teeth
Lead [1030] (ppb) sites exceeding action level 0	AL = 15	0	C=	3 (90 th percentile)	0.2 to 0.71	2011	No	Corrosion of household plumbing systems. Erosion of natural deposits
Nitrate [1040] (ppm)	10	10	A= B=	1.1 0.5	0.9 to 1.1 0.1 to 0.5	2013 2013	No No	Runoff from fertilizer & leaching from septic tanks. Erosion of natural deposits
Synthetic Organic Contaminants including Pesticides and Herbicides								
Atrazine [2050] (ppb)	3	3	A=	0.24	0 to 0.24	2013	No	Runoff from herbicide used on row crops
Disinfectants/Disinfection Byproducts and Precursors								
Total Organic Carbon (ppm) (report level=lowest avg. range of monthly ratios)	TT*	N/A	A= B=	1.30 1.00	1.08 to 2.21 1.00 to 1.00	2013 2013	No 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.								
Chloramines (ppm)	MRDL = 4	MRDLG = 4	C=	2.19 (highest average)	0.50 to 2.70	N/A	No	Water additive used to control microbes.
HAA (ppb) [Haloacetic acids] (Individual Sites)	60	N/A	C=	10 (locational average)	3.2 to 19.4 (range of individual sites)	N/A	No	Byproduct of drinking water disinfection
TTHM (ppb) [total trihalomethanes] (Individual Sites)	80	N/A	C=	21.7 (locational average)	15 to 29	N/A	No	Byproduct of drinking water disinfection.
Other Contaminants								
Cryptosporidium [oocysts/L]	0	TT	A=	4	24	N/A		Human and animal fecal waste
(99% removal) (positive samples) (no. of samples)								

LWC monitors the Ohio River for Cryptosporidium, a tiny intestinal parasite often found in surface waters. Cryptosporidium can cause flu-like symptoms if ingested. In 2012, LWC analyzed 24 Ohio River samples. We detected low levels of Cryptosporidium in 4 samples with levels ranging from 0 oocysts/L to 0.200 oocysts/L. These detections were within ranges typically measured in the Ohio River. LWC optimizes its treatment processes to help ensure removal.

UCMR 3 / Crescent Hill	average	range (ppb)	date	UCMR 3/TAYLORSVILLE WATER	average	range (ppb)	date
Perfluorooctanoic acid (PFOA) (ppb)	BDL	BDL to 0.02	2013	Vanadium (ppb)	0.25	.2 to 0.3	2013
Vanadium (ppb)	BDL	BDL to BDL	2013	Chlorate (ppb)	79.6	32 to 110	2013
Chlorate (ppb)	145	120 to 180	2013	Chromium, Hexavalent (ppb)	0.08	0.05 to 0.11	2013
Chromium-6 (ppb)	0.08	0.05 to 0.11	2013	Molybdenum (ppb)	2.7	1.6 to 3.8	2013
Molybdenum (ppb)	2	BDL to 3.7	2013	Strontium (ppb)	193	140 to 290	2013
Strontium (ppb)	195	160 to 250	2013	1,4 -dioxane (ppb)	0.22	0.1 to 0.44	2013
1,4 -dioxane (ppb)	0.26	BDL to 0.89	2013				
17 alpha-ethynyl Estradiol (ppb)	BDL	BDL to 0.0011	2013				
UCMR 3 / B. E. Payne							
Perfluorooctanoic acid (PFOA) (ppb)	BDL	BDL to 0.02	2013				
Vanadium (ppb)	0.2	BDL to 0.4	2013				
Chlorate (ppb)	BDL	BDL to BDL	2013				
Chromium-6 (ppb)	0.08	0.06 to 0.09	2013				
Molybdenum (ppb)	2.7	2.1 to 3.2	2013				
Strontium (ppb)	130	120 to 140	2013				
1,4 -dioxane (ppb)	0.18	0.09 to 0.25	2013				
17 alpha-ethynyl Estradiol (ppb)	BDL	BDL to BDL	2013				

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