

WATER QUALITY DATA

The table below lists the EPA's regulated and unregulated contaminants detected in The City of New Buffalo's drinking water during 2020. Unless otherwise noted, the data presented is from January 1, 2020 to December 31, 2020.

Regulated Monitoring (Sampled at Water Treatment Plant)						
Detected Substance (units)	Highest Level Detected	Range Of Detects	EPA's MCL	EPA's MCLG's	Violation Yes / No	Likely Sources of Substance
Turbidity (ntu)	0.28	0.03-0.28	0.3 or no sample above 1.00	N/A	No	Soil Runoff
Chlorine Residual - Free (ppm)	1.7	1.02-1.70	4.0	4.0	No	Water additive used to control microbes
Fluoride (ppm)	0.62	0.62 (Single Sample)	4.0	4.0	No	Water Additive Which Promotes Strong Teeth; Erosion of Natural Deposits
Radioactive Contaminants						
Radium (combined 226/228) (pCi/L) Sample Date – 8/14/2020	1.32	1.32 (Single Sample)	5	0	NO	Erosion of natural deposits
Regulated Monitoring for Disinfection By-Product Rule (Sampled in Water Distribution System)						
Detected Substance (units)	Highest Running Annual Average	Range Of Detects	EPA'S MCL	EPA'S MCLG	Violation Yes / NO	Likely Source of Substance
THM (Total Trihalo-methanes) (ppb)	30	30 (Single Sample)	80.0	N/A	No	By-Product of Drinking Water Chlorination
HAA5 (Total Haloacetic Acids) (ppb)	26	26 (Single Sample)	60.0	N/A	No	By-Product of Drinking Water Chlorination
Additional Regulated Monitoring (Sampled in Water Distribution System)						
Detected Substance (units)	Highest Running Annual Average	Range Of Detects	MRDL	MRDLG	Violation Yes / No	Likely Source of Substance
Total Chlorine Residual (ppm)	0.8	0.31-1.12	4.0	4.0	No	Water Additive Used For Disinfection

Note 1: Definitions are on page 5.

Note 2: The EPA requires monitoring over 80 drinking water contaminants. Those listed above are only those contaminants detected in your drinking water. For a complete list contact the Water Filtration Plant.

Regulated Lead and Copper Monitoring (Sampled at Customer's Tap - 2018)

Detected Substance (units)	90 th Percentile Detected	Sites Found Above AL	EPA's AL	EPA's MCLG	Violation Yes / NO	Likely Source of Substance
** Copper (ppb)	80	0	1300	1300	No	Corrosion of Household Plumbing
** Lead (ppb)	5	0	15	0	No	Corrosion of Household Plumbing

Special Unregulated Monitoring (Sampled at Water Treatment Plant)

Detected Substance (units)	Highest Level Detected	Likely Source of Substance
Sodium (ppm)	8.2 (Single Sample)	Erosion of Natural Deposits

Additional Unregulated Monitoring (Sampled at Water Treatment Plant)

Detected Substance (units)	Highest Level Detected	Likely Source of Substance
Hardness as CaCO3 (ppm)	134 (Single Sample)	Erosion of Natural Deposits
Sulfate (ppm)	32 (Single Sample)	Erosion of Natural Deposits
PH (ph units)	7.5	Measurement of Acidity of Water
Chloride (ppm)	15 (Single Sample)	Erosion of Natural Deposits

Per- and polyfluoroalkyl substances (PFAS)

Regulated Contaminant	MCL, TT, or MRDL	MCLG or MRDLG	Level Detected	Range	Date Sampled	Violation Yes/No	Typical Source of Contaminant
Hexafluoropropylene oxide dimer acid (HFPO-DA) (ppt)	370	N/A	N/D	N/A	10-26-20	N/A	Discharge and waste from industrial facilities utilizing the Gen X chemical process
Perfluorobutane sulfonic acid (PFBS) (ppt)	420	N/A	N/D	N/A	10-26-20	N/A	Discharge and waste from industrial facilities; stain-resistant treatments
Perfluorohexane sulfonic acid (PFHxS) (ppt)	51	N/A	N/D	N/A	10-26-20	N/A	Firefighting foam; discharge and waste from industrial facilities
Perfluorohexanoic acid (PFHxA) (ppt)	400,000	N/A	N/D	N/A	10-26-20	N/A	Firefighting foam; discharge and waste from industrial facilities
Perfluorononanoic acid (PFNA) (ppt)	6	N/A	N/D	N/A	10-26-20	N/A	Discharge and waste from industrial facilities; breakdown of precursor compounds
Perfluorooctane sulfonic acid (PFOS) (ppt)	16	N/A	2 (Single Sample)	2	10-26-20	NO	Firefighting foam; discharge from electroplating facilities; discharge and waste from industrial facilities
Perfluorooctanoic acid (PFOA) (ppt)	8	N/A	2 (Single Sample)	2	10-26-20	NO	Discharge and waste from industrial facilities; stain-resistant treatments

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