

REGULATED CONTAMINANTS TABLES

Regulated Disinfectants & Disinfection By-Products	MCLG	MCL	Highest Level Detected	Range of Levels Detected	Units	Municipality	Violation	Collection Date	Likely Source of Contaminants
Chlorine	MRDLG = 4	MRDL = 4	1.1	0.92 — 1.15	ppm	Stickney	N	12/31/2020	Water additive used to control microbes.
	MRDLG = 4	MRDL = 4	1	1 — 1	ppm	Chicago	N	12/31/2020	
Haloacetic Acids (HAA5)	No Goal	60	23	8.9 — 23	ppb	Stickney	N	2020	By-Product of drinking water disinfection
	No Goal	60	12	6.8 — 17.6	ppb	Chicago	N	2020	
Total Trihalomethanes (TTHM)	No Goal	80	46	20 — 46.1	ppb	Stickney	N	2020	
	No Goal	80	29	15 — 40	ppb	Chicago	N	2020	

Chicago Total Organic Carbon (TOC) - The percentage of TOC removal was measured each month and the system met all TOC removal requirements set, unless a TOC violation is noted in the violations section.

Inorganic Contaminants									
Barium	2	2	0.0201	0.0198 — 0.0201	ppm	Chicago	N	2020	Discharge of drilling wastes; Discharge from refineries; Erosion of natural deposits.
Fluoride	4	4.0	0.75	0.65 — 0.75	ppm	Chicago	N	2020	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Nitrate (Measured as Nitrogen)	10	10	0.42	0.35 — 0.42	ppm	Chicago	N	2020	Runoff from fertilizer use; leaching from septic tanks, sewage; Erosion of natural deposits.
Total Nitrate & Nitrite (as Nitrogen)	10	10	0.42	0.35 — 0.42	ppm	Chicago	N	2020	Runoff from fertilizer use; leaching from septic tanks, sewage; Erosion of natural deposits.
Sodium	N/A	N/A	9.55	8.73 — 9.55	ppm	Chicago	N	2020	Erosion from naturally occurring deposits; used in water softener regeneration
Sulfate	N/A	N/A	27.8	27.5 — 27.8	ppm	Chicago	N	2020	Erosion of naturally occurring deposits; Used as water softener

Radio Active & Synthetic Organic Contaminants									
Combined Radium 226/228	0	5	0.95	0.83—0.95	pCi/L	Chicago	N	02/04/2020	Erosion of natural deposits.
Gross alpha excluding radon and uranium	0	15	3.1	2.8—3.1	pCi/L	Chicago	N	02/04/2020	Erosion of natural deposits.

Coliform Bacteria									
Total Coliform Maximum Contaminant Goal	Total Coliform Maximum Contaminant Level	Highest No. of Positive	Fecal Coliform or E. Coli Maximum Contaminant Level	Total No. Positive E. Coli or Fecal Coliform Samples	Municipality	Violation	Likely Source of Contaminants		
0	5% of Monthly Samples are positive.	0.4		0	Chicago	N	Naturally present in the environment.		

Lead and Copper									
	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Municipality	Violation	Date Sampled	Likely Source of Contaminants
Lead	0	15	9.1	0	ppb	Chicago	N	09/19/2018	Corrosion of household plumbing systems; Erosion of natural deposits.
Copper	1.3	1.3	0.091	0	ppm	Chicago	N	09/19/2018	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Turbidity	Limit (Treatment Technique)	Level Detected	Municipality	Violation	Likely Source of Contaminants				
Highest Single Measurement %	1 NTU	0.16 NTU	Chicago	N	Soil Runoff.				
Lowest Monthly % meeting Limit	0.3 NTU	100%	Chicago	N	Soil Runoff.				

2020 VIOLATION SUMMARY TABLE

Village of Stickney Violation Table			
Violation Type	Violation Begin	Violation End	Violation Explanation
NONE	N/A	N/A	NONE

VILLAGE OF STICKNEY UNREGULATED CONTAMINANTS UCMR4 COMPLIANCE:

The EPA uses the Unregulated Contaminant Monitoring (UCM) program to collect data for contaminants suspected to be present in drinking water, but that do not have health-based standards set under the Safe Drinking Water Act (SDWA). Every five years the EPA reviews the list of contaminants, largely based on the Contaminant Candidate List. In 2019, the Village of Stickney conducted the required sampling and analysis under the UCMR4 program. The table below shows these results.

UCMR4 Contaminants	MCLG	MCL	MRL	Highest Level Detected	Range of Levels Detected	Units	Municipality	Collection Date	Likely Source of Contaminants
Manganese	N/A	N/A	0.4	1.038	0.64 — 1.038	µg/L	Stickney	2019	Naturally-occurring element that can be found ubiquitously in the air, soil, and water; Transition metal extracted from ore; Alloy and stainless steel manufacturing; Used in batteries, glass, and cleaning solutions.
HAA5	N/A	N/A	N/A	24.603	10.33 — 24.603	µg/L	Stickney	2019	By-product of drinking water disinfection.
HAA6Br	N/A	N/A	N/A	11.656	10.03 — 11.656	µg/L	Stickney	2019	By-product of drinking water disinfection.
HAA9	N/A	N/A	N/A	34.624	19.13 — 34.624	µg/L	Stickney	2019	By-product of drinking water disinfection.