

City of Attica Water Utility CCR Detections 2018

Definitions:

HLD=Highest Level Detected ppm=Parts per million MCL= Maximum Contaminant Level Allowed
 ppb=Parts per billion MCLG=Maximum Contaminant Level Goal ug/L=Micrograms per Liter
 MRDL=Maximum Residual Disinfectant Level MRDLG=Maximum Residual Disinfectant Level Goal

Regulated Contaminants

Disinfectant and Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Chlorine	2018	1	1-1	MRDLG=4	MRDL=4	ppm	NO	Water additive used to control microbes
Haloacetic Acids (HAA5)	2018	3	1.0-4.7	No goal for the total	60	ppb	NO	By-product of drinking water disinfection
Total Trihalomethanes (TTHM)	2018	5	0-9.1	No goal for the total	80	ppb	NO	By-product of drinking water disinfection

Inorganic Compounds	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Fluoride	2017	0.124	0.124-0.124	4	4	ppm	NO	Erosion of natural deposits; water additive promotes strong teeth; discharge from fertilizer
Nitrate(measured as Nitrogen)	2018	3	2.52-2.52	10	10	ppm	NO	Runoff from fertilizer; Leaching from septic tanks; sewage; erosion of natural deposits

Note: IOC's are tested annually. 13 additional organics were tested and not detected.

Volatile Organic Compounds	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
No detections							NO	Discharge from metal degreasing sites & other factories

Note: VOC's are tested quarterly, every year. 21 organics were tested, and none were detected.

Synthetic organic compounds	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
No detections							NO	Farming runoff

Note: SOC's are tested for, every three years. None were detected.

Unregulated Contaminants

In accordance with the Safe Drinking Water Act, Attica collected samples for the UCMR (Unregulated Contaminant Monitoring Rule).

The samples were tested by a State approved laboratory and data was sent to the EPA. The data being collected will be used to set

standards & regulations for the future. This report requires us to report any contaminant that has been detected (however small) during testing. None were detected.

Copper & Lead	Date Sampled	MCLG	Action Level(AL)	90 th percentile	# sites over AL	Units	Violation	Likely source of contamination
Copper	2017	1.3	1.3	.071	0	ppm	NO	Erosion of natural deposits; Leaching from wood preservatives; corrosion of household plumbing systems
Lead	2017					ppb	NO	Erosion of natural deposits; plumbing

Radioactive Contaminants	Date Sampled	MCLG	Action Level(AL)	MCLG	MCL	Units	Violation	Likely source of contamination
Gross alpha excluding radon and uranium	2017	2.8	2.8-2.8	0	15	pCi/L	NO	Erosion of natural deposits

Coliform Bacteria

Positive samples	Date Sampled	% of positive samples	Allowable %	MCLG				Likely source of contamination
0	Monthly in 2018	0	5.0 % per month	0				Naturally occurring bacteria, may indicate sanitation problem