

Annual Drinking Water Quality Report for 2016

Mohawk Correctional Facility
 6514 State Rt 26 – PO BOX 8450 Rome, NY 13442
 (Public Water Supply ID# NY3233160)

Supplemental to City of Rome
 Report – see City of Rome
 Report for additional required
 reporting information



MOHAWK CORRECTIONAL FACILITY CONTACT INFORMATION

If you have any questions about this report or concerning your drinking water, please contact Michael McCall, Plant Superintendent, Mohawk Correctional Facility at 315-339-5232 Ext. 3950 (Monday - Friday - 7:30AM - 3:30PM). We want you to be informed about your drinking water.

WHERE DOES OUR WATER COME FROM?

The system is a purchase water system of the City of Rome Water System, meaning all water is purchased from the City of Rome and distributed through our water mains to customers. (See the City of Rome Area Reports for additional information on where our water comes from). At this time our water system serves security and civilian staff, inmate population, DDSO facilities numbering approximately 2,367 people, as well as a small private residential population in and around the Mohawk Correctional Facility. When needed, the water is disinfected with chlorine prior to entering the distribution system. Two storage tanks provide a total of 3.5 million-gallons of storage for treated water.

ARE THERE CONTAMINANTS IN OUR DRINKING WATER?

In addition to the City of Rome sample results (see attached City of Rome report), the Mohawk Correctional Facility water system routinely tests your drinking water for lead and copper, disinfection byproducts, coliform bacteria and disinfection residuals. The table presented below depicts which compounds were detected in your drinking water.

Table of Detected Contaminants (Mohawk Correctional Facility)

Contaminant	Is System in Violation?	Date of Sample	Level Detected Average or Maximum (Range)	Unit Measurement	MCLG / MRDLG	Regulatory Limit (MCL, MRDL, TT or AL)	Likely Source of Contamination
Microbiological Contaminants							
Total Coliform	No	7/6/2016	Present ⁽¹⁾ in two sample	N/A	0 ²	Any positive sample ³	Naturally present in the environment.
E-Coli	No	7/6/2016	Present ⁽¹⁾ in two sample	N/A	0	Any positive sample ⁴	Naturally present in the environment.
Inorganic Contaminants (See also City of Rome's AWQR)							
Copper	No	7-9/15	0.16 ⁽⁵⁾ (range = 0.026 – 0.18)	mg/l	1.3	AL = 1.3	Corrosion of household plumbing systems; Erosion of natural deposits.
Lead	No	7-9/15	ND ⁽⁶⁾ (range = ND – 3.8)	ug/l	0	AL = 15	Corrosion of household plumbing systems; Erosion of natural deposits.
Disinfectants (See also City of Rome's AWQR)							
Chlorine Residual	No	Daily/ Monthly	0.6 ⁽⁷⁾ (range = 0.28 – 0.89)	mg/l	N/A	MRDL = 4 ⁽⁸⁾	Water additive used to control microbes.
Disinfection Byproducts (See also City of Rome's AWQR)							
Haloacetic Acids (mono-, di-, and trichloroacetic acid, and mono- and dibromoacetic acid)	No	Quarterly	52 ⁽⁹⁾ (range = 26 – 65)	ug/l	N/A	MCL = 60	By-product of drinking water disinfection needed to kill harmful organisms.
Total Trihalomethanes (TTHMs – chloroform, bromodichloromethane, dibromochloromethane and bromoform)	No	Quarterly	58 ⁽¹⁰⁾ (range = 38 – 65)	ug/l	N/A	MCL = 80	By-product of drinking water chlorination needed to kill harmful organisms. TTHMs are formed when source water contains large amounts of organic matter.

Table of Detected Contaminants (Mohawk Correctional Facility)

Contaminant	Is System in Violation?	Date of Sample	Level Detected Average or Maximum (Range)	Unit Measurement	MCLG / MRDLG	Regulatory Limit (MCL, MRDL, TT or AL)	Likely Source of Contamination
See City of Rome AWQR for additional sample information - Physical Parameters, Radioactive Contaminants, Inorganic Contaminants, Synthetic Organic Contaminants, Principal Organic Contaminants, Lead and Copper							

Notes:

- 1 - On July 6, 2016, total coliform bacteria and E-Coli were detected in two routine compliance samples collected in the system. Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially-harmful bacteria may be present. Six (6) additional samples were subsequently collected following the positive results in the distribution system and neither total coliforms or E-Coli were detected in those samples
- 2- Prior to April 1, 2016, an MCL violation occurs at systems collecting 40 or more samples per month when more than 5% of the total coliform samples are positive or at systems collecting less than 40 samples per month when two or more samples are total coliform positive.
- 3- After March 31, 2016, the MCL for total coliforms is replaced by a treatment technique trigger. A Level 1 assessment is triggered at systems collecting 40 or more samples per month when more than 5% of the total coliform samples are positive or at systems collecting less than 40 samples per month when two or more samples are total coliform positive. A Level 1 assessment can also be triggered if the system fails to take every required repeat sample after any single total coliform-positive sample.
- 4- A violation occurs when a total coliform positive sample is positive for *E. Coli* and a repeat total coliform sample is positive or when a total coliform positive sample is negative for *E. coli* but a repeat total coliform sample is positive and the sample is also positive for *E. Coli*. An *E. Coli* MCL violation also triggers a Level 2 assessment. A Level 2 assessment can also be triggered by a second Level 1 assessment within a rolling 12-month period or if a system fails to collect every required repeat sample after any *E. coli* positive sample.

- 5 – The level presented represents the 90th percentile of the ten (10) sites tested. A percentile is a value on a scale of 100 that indicates the percent of a distribution that is equal to or below it. The 90th percentile is equal to or greater than 90% of the copper values detected at your water system. In this case, the 90th percentile was the second highest value. The action level for copper was not exceeded at any of the ten (10) sites tested.
- 6 – The level presented represents the 90th percentile of the ten (10) samples collected. The action level for lead was not exceeded at any of the sites tested.
- 7 – The levels presented represent the average and range of the levels reported on the monthly microbiological sampling reports.
- 8 - Value presented represents the Maximum Residual Disinfectant Level (MRDL) which is a level of disinfectant added for water treatment that may not be exceeded at the consumer’s tap without an unacceptable possibility of adverse health effects. MRDLs are currently not regulated but in the future they will be enforceable in the same manner as MCLs.
- 9 - This level represents the highest average and range of measurements of samples collected in compliance with the Stage 2 DBPR.
- 10 - This level represents the highest average and range of measurements of samples collected in compliance with the Stage 2 DBPR.

WHAT DOES THIS INFORMATION MEAN?

As you can see by the table, our system had no violations. We have learned through our testing that some contaminants have been detected; however, most of these contaminants were detected below the level allowed by the State.

IS OUR WATER SYSTEM MEETING OTHER RULES THAT GOVERN OPERATIONS?

Last year, our system was in compliance with applicable State drinking water operating, monitoring and reporting requirements.

CLOSING

Thank you for allowing us to continue to provide you with quality water this year. We ask all our customers help us protect our water system, which is the heart of our community and our way of life. Please call our office at 315-339-5232 if you have any questions.

See Attached City of Rome Report for additional required reporting, sampling, treatment and water source information.