

Annual Drinking Water Quality Report for 2017

Town of Lee Water District
 PO Box 201 – Lee Center, NY 13363
 (Public Water Supply ID# NY3202394)

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



TOWN OF LEE WATER DISTRICT CONTACT INFORMATION

If you have any questions about this report or concerning your drinking water, please contact the Town of Lee Clerk's Office at 336-3438. We want you to be informed about your drinking water. If you want to learn more, please attend any of our regularly scheduled Town board meetings. The meetings are held at 7:00PM on the second Tuesday of each month, at the Lee Town Hall (5808 Stokes-Lee Center Road).

WHERE DOES OUR WATER COME FROM?

The Town of Lee Water District 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 Report for additional information on where our water comes from).

Our water system serves a population of approximately 3150 through 1250 service connections. There are no meters on our system. The total water produced in 2017 was 158,260,000. The amount of water delivered back to Rome customers was 33,628,000. For a total usage for the town of Lee being 124,642,000 gallons. This was a decrease of 23,314,000 from 2016. No water metering is done at the present time. Water customers in the Lee water district pay a flat rate of \$354 a year plus an additional \$14 for a pool and an additional \$30 per year for a sprinkler system.

ARE THERE CONTAMINANTS IN OUR DRINKING WATER?

In addition to the City of Rome sample results (see City of Rome AWQR), the Town of Lee Water District routinely tests your drinking water for asbestos, lead and copper, coliform bacteria, disinfection byproducts and disinfection residuals. The table presented below depicts which compounds were detected in your drinking water.

Table of Detected Contaminants (Lee WD)

Contaminant	Is System in Violation?	Date of Sample	Level Detected Average or Maximum (Range)	Unit Measurement	MCLG / MRDLG	Regulatory Limit (MCL, MRDL, or AL)	Likely Source of Contamination
Inorganic Contaminants							
Copper	No	6/15	0.13 ⁽¹⁾ (range = 0.0076 – 0.15)	mg/l	1.3	AL = 1.3	Corrosion of household plumbing systems; Erosion of natural deposits.
Lead	No	6/15	1.2 ⁽²⁾ (range = ND – 1.9)	ug/l	0	AL = 15	Corrosion of household plumbing systems; Erosion of natural deposits.
Disinfectants							
Chlorine Residual	No	Daily/ Monthly	0.96 ⁽³⁾ (range = 0.5 – 1.5)	mg/l	N/A	MRDL = 4 ⁽⁴⁾	Water additive used to control microbes.
Disinfection Byproducts							
Haloacetic Acids (mono-, di-, and trichloroacetic acid, and mono- and dibromoacetic acid)	No	Quarterly	33 ⁽⁵⁾ (range = 24 – 37)	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	50 ⁽⁵⁾ (range = 25 – 75)	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.
Unregulated Contaminants							

Table of Detected Contaminants (Lee WD)

Contaminant	Is System in Violation?	Date of Sample	Level Detected Average or Maximum (Range)	Unit Measurement	MCLG / MRDLG	Regulatory Limit (MCL, MRDL, or AL)	Likely Source of Contamination
4-androstene-3,17-dione	No	Quarterly 2014	0.0003 ⁽⁶⁾ (range = ND – 0.0003)	ug/l	N/A	N/A	Hormones.

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 - The level presented represents the 90th percentile of the ten (10) sites tested in Lee WD. 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, ten (10) samples were collected at your water system and the 90th percentile was the second highest value. The action level for copper was not exceeded at any of the sites tested. Lead, though tested, was not detected in any samples.
- 2 - 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.
- 3 - The levels presented represent the average and range of the levels reported on the monthly microbiological sampling reports.
- 4 - The 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.
- 5 - The value presented represents the highest LRAA and range of measurements for samples collected. Compliance with the Stage 2 DBP Rule MCL for Haloacetic Acids (HAA5s) and Trihalomethanes (TTHMs) is based upon the Locational Running Annual Average (RAA) of the quarterly samples collected during four consecutive quarters. Although samples may include a result that exceeds the MCL, the result is averaged with the other samples to determine compliance with the MCL. Our system was in compliance with the MCLs for both HAA5 and TTHMs.
- 6 - This level represents the annual average and range of values calculated from 2014 quarterly sample submission results for the Federal Unregulated Contaminant Monitoring Rule (UCMR3) sampling.

Definitions:

ACTION LEVEL	AL	The concentration of a contaminant that, if exceeded, triggers treatment or other requirements that a water system must follow.
MAXIMUM CONTAMINANT LEVEL	MCL	The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible.
MAXIMUM CONTAMINANT LEVEL GOAL	MCLG	The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
MAXIMUM RESIDUAL DISINFECTANT LEVEL	MRDL	The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
MAXIMUM RESIDUAL DISINFECTANT LEVEL GOAL	MRDLG	The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contamination.
MILLIGRAMS PER LITER	mg/l	Corresponds to one part of liquid in one million parts of liquid (parts per million - ppm).
MICROGRAMS PER LITER	ug/l	Corresponds to one part of liquid in one billion parts of liquid (parts per billion - ppb).
NEPHELOMETRIC TURBIDITY UNIT	NTU	A measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.
NON-DETECTED	ND	Laboratory analysis indicates that the constituent is not present.
PICOCURIES PER LITER	pCi/l	A measure of the radioactivity in water.
TREATMENT TECHNIQUE	TT	A required process intended to reduce the level of a contaminant in drinking.

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.

UNREGULATED CONTAMINANT INFORMATION

In 2014, we were required to collect and analyze drinking water samples for the following unregulated contaminants: 17-alpha-ethynylestradiol, 17-beta-estradiol, 4-androstene-3,17-dione, equilin, estriol, estrone, and testosterone. We collected samples on March 12, June 9, September 15, and December 9, 2014 from the Entry Point to the Distribution System. *You may obtain the monitoring results by calling the Town Clerk at 315-336-3438.*

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.

SYSTEM IMPROVEMENTS

Last year we continued working on the mapping system. We also started a GIS system to GPS all of the water services, hydrants, and valves. The hydrants are completed and about 900 of the services are completed. There were no major leaks reported in 2017. The town holding tank

refurbishment was completed and is back online. The fire hydrants were once again flushed. The water department also responded to 375 dig safe tickets this year. Our water operator David Piersal has resigned at the end of 2017 and we will be hiring a replacement.

CLOSING

Closing.

Thank you for allowing us to continue to provide your families with quality drinking water this year. Our water restriction for lawn watering is year round; watering is allowed east of rt. 26 on even days of the month and west of rt. 26 on odd days of the month. We ask all of our customers to help protect our water system, which is the heart of our community and way of life. Please contact The Town of Lee Water Superintendent at (315)571-4471 if you have any questions or check out website at www.townofleeny.org

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