

# Annual Drinking Water Quality Report for 2016

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 2016 was 181,574,000. The amount of water delivered back to Rome customers was 32,182,000. This was 11,431,000 gallons more than last year. There is unaccounted for water which was treated water used for flushing mains, fighting fires, street cleaning and unaccounted water. Since we don't utilize meters, we don't know how much water is unaccounted for. Water customers inside the water district are charged a flat rate of \$354/year or \$368/year with a swimming pool.

## 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
<b>Inorganic Contaminants</b>							
Copper	No	6/15	0.13 <sup>(1)</sup> (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 <sup>(2)</sup> (range = ND – 1.9)	ug/l	0	AL = 15	Corrosion of household plumbing systems; Erosion of natural deposits.
<b>Disinfectants</b>							
Chlorine Residual	No	Daily/ Monthly	0.7 <sup>(3)</sup> (range = 0.2 – 1.0)	mg/l	N/A	MRDL = 4 <sup>(4)</sup>	Water additive used to control microbes.
<b>Disinfection Byproducts</b>							
Haloacetic Acids (mono-, di-, and trichloroacetic acid, and mono- and dibromoacetic acid)	No	Quarterly	36 <sup>(5)</sup> (range = 18.4 – 50)	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	45 <sup>(5)</sup> (range = 19.7 – 62)	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 (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
<b>Unregulated Contaminants</b>							
4-androstene-3,17-dione	No	Quarterly 2014	0.0003 <sup>(6)</sup> (range = ND – 0.0003)	ug/l	N/A	N/A	Hormones.
<b>See City of Rome AWQR for additional sample information - Physical Parameters, Radioactive Contaminants, Inorganic Contaminants, Synthetic Organic Contaminants, Principal Organic Contaminants, Lead and Copper</b>							

### Notes:

- 1 - The level presented represents the 90<sup>th</sup> 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 90<sup>th</sup> 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 90<sup>th</sup> 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 90<sup>th</sup> 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.

### 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 Dave Piersall, Chief Operator, 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, continued updates were done on our mapping of the system. The Town Board shot down any chance to move forward toward customer water meters to monitor water usage. The proposed water line extension along Cemetery Road to Stokes-Lee Center Road, that was going to loop the system around the pump house, was cancelled. The Town Board feels the need to explore other water sources so they are spending resources for the possibility of supplying water to the community by drilling wells. We had a major water break in the Stokes area which disrupted the water flow to approximately two thirds of our customers. This repair was done in a timely matter with the available resources we had. The original 1969 water

holding tank was taken off line and partially refurbished and will be finished in the spring. Unfortunately we had our water assistant leave for other employment. A new replacement was hired and will be training our new assistant to receive a grade D operator's license. Our water system was flushed and inspected fire hydrants. Maintenance was performed on the water system as needed. The water department responded to over 344 Dig Safely location requests this year. That is absolutely enormous amount of time involved in marking our utilities to keep them safe.

**CLOSING**

Thank you for allowing us to continue to provide your family with quality water this year. Our water restriction for lawn watering is year round; watering is allowed East of Rt. 26 on even days and West of Rt. 26 on odd days of the Month. We ask all our customers to help us protect our water system, which is the heart of our community and our way of life. Please contact the Town Clerk's Office at 336-3438 if you have any questions or check our web site [www.townofleeny.org](http://www.townofleeny.org)

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