

## **Old Hickory Water Company, L.L.C. Water Quality Report for 2017**

The Old Hickory Water Company, L.L.C., purchases 100% of its water supply, from the City of Maynardville's Water Department. The Maynardville Consumer Confidence Report for 2017, can be accessed via the internet at – <http://www.maynardvilletn.com/ccr.pdf>  
The Water Quality Report for Old Hickory Water Company, L.L.C. can be also be accessed via the internet at – <http://www.hickorystar.com/oldhickor/ccr.pdf>

The following definitions apply to the Old Hickory Water Company, L.L.C water quality report for 2017.

- MCLG-Maximum Contaminant Level Goal, or the level of a contaminant in the drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
- MCL-Maximum Contaminant Level or the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology. To understand the possible health effects described for many regulated constituents, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.
- MRDL-Maximum Residual Disinfection Level or MRDL: The highest level of a disinfection allowed in drinking water. There is convincing evidence that addition of disinfection is necessary for the control of microbial contaminants.
- MRDLG-Maximum Residual Disinfection Level Goal. 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 contaminants.
- AL-Action Level, or the concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow.
- Below Detection Level (BDL) – Laboratory analysis indicates that the contaminant is not present at a level that can be detected.
- Non-Detects (ND) – Laboratory analysis indicates that the contaminant is not present.
- Parts per million (ppm) or Milligrams per liter (mg/l) – defined as one part per million.
- Parts per billion (ppb) or Micrograms per liter – defined as one part per billion.
- Nephelometric Turbidity Unit (NTU) – nephelometric turbidity unit, is a measure of water clarity. Turbidity in excess of 5 NTU, is just noticeable to the average person.
- RTCR – Revised Total Coliform Rule. This rule went into effect on April 1<sup>st</sup>, 2016 and replaces the MCL for total coliform with a Treatment Technique Trigger for a system assessment.
- TT – Treatment Technique or a required process intended to reduce the level of a contaminant in drinking water.

The chemical monitoring results listed below, are indigenous for the Old Hickory Water Company, L.L.C.

Contaminant	Violation Yes / No	Level Detected	Range of Detection	Date of Sample	Unit of Measure	MCLG	MCL	Possible Source
Total Coliform Bacteria RTCR	No	0		2017		0	TT Trigger	Naturally environmentally present
TTHM (Total trihalomethanes)	No	0.0115	ND – 0.00743	2017	Ppm	n/a	80	By-product of drinking water disinfection
Haloacetic Acids (HAA5s)	No	0.00794	ND - 0.00403	2017	Ppm	n/a	60	By-product of drinking water disinfection
Chlorine	No	1.53 average	1.40 to 1.90	2017	Ppm	4	4	Disinfectant used to control microbes.
Fluoride	No	0.612	0.612	2017	Ppm	4	4	Erosion of natural deposits, water additive which promotes strong teeth, discharge from fertilizer and aluminum factories.
Copper <sup>2</sup>	No	90 <sup>th</sup> % 0.044		2015	Ppm	1.3	AL – 1.3	Corrosion of household plumbing systems, erosion of natural deposits, leaching from wood preservatives.
Lead <sup>2</sup>	No	90 <sup>th</sup> % 0.003		2015	Ppm	0	AL-15	Corrosion of household plumbing systems, erosion of natural deposits

<sup>2</sup>During the most recent round of Lead & Copper testing, 0 out of 5 household test sites sampled exceeded the action level for lead or copper.