



Lone Oak Utility District

Typical Water Quality Information

PWSID Number: TN0008228

Area Served: Lone Oak community on Signal Mountain, Tennessee

Where Does My Water Come From?

Lone Oak Utility District purchases water that is treated by Tennessee American Water. Tennessee American Water draws surface water from the Tennessee River.

| Parameter | Average or Range | Comments |
|--|-----------------------------|---|
| pH | 7.0 – 7.2 | |
| Total Hardness (as CaCO ₃) | 58 - 94 mg/L | Naturally occurring |
| Total Hardness (as CaCO ₃) | 3.4 – 5.5 grains per gallon | Naturally occurring |
| Fluoride | 0.53 – 1.08 mg/L | Naturally occurring and water additive, MCL = 4.0 mg/L. Fluoride was reduced to a goal of 0.7 mg/L in July 2011 |
| Sodium | 7.6 – 9.8 mg/L | No MCL – Informational only |
| Iron | ND | Secondary Standard Limit = 0.3 mg/L |
| Manganese | ND | Secondary Standard Limit = 0.05 mg/L |
| Type of disinfection | | Chlorine |

| Parameter | Average or Range | Comments |
|---|--|--|
| Disinfectant residual level leaving the treatment plant (average) | 2.0 mg/L | Water additive to control microbes |
| Disinfectant residual level in the distribution system | 0.4 – 1.5 mg/L | Max Residual Disinfectant Level Running Annual Avg. = 4.0 mg/L |
| Lead [90 th percentile result] | 3 ug/L | Action Level = 15 ug/L |
| Copper [90 th percentile result] | 0.119 mg/L | Action Level = 1.3 mg/L |
| Nitrate | 0.20 - 0.43 mg/L | MCL = 10 mg/L |
| Arsenic | ND | MCL = 10 ug/L |
| Chromium-6 | This voluntary sampling has not yet been scheduled for this system | Chromium-6 is not currently regulated as an individual contaminant. For more information, please visit http://www.amwater.com/tnaw/Ensuring-Water-Quality/Chromium-6 |

Definitions

- mg/L – milligrams per liter; one milligram per liter is equal to one part per million (ppm), which is approximately the same as 1 second in 11.5 days
- ug/L – micrograms per liter; one microgram per liter is equal to one part per billion (ppb), which is approximately the same as 1 second in 31.7 years
- N/A – not applicable
- ND – not detected
- MCL – Maximum Contaminant Level – the highest level of a contaminant allowed in drinking water under State and Federal regulations

For a complete report of your water quality, please refer to the Water Quality Report located on the American Water web site

For more information about water quality in your area please contact our Water Quality Department at 423-755-7649

Other inquiries should be directed to our Customer Service Center at 1-866-736-6420