

City of La Center
2019 Water Quality Report

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Meetings: City Hall 333 Broadway / 2nd Tuesday, Monthly, at 10 AM

Our water comes from two wells drilled into the McNary Aquifer within our incorporated area. These wells are classified as ground water. The City of LaCenter monitors for contaminants in your drinking water according to Federal and State Laws. A source water assessment has been prepared as part of the water Wellhead Protection Plan. The assessment indicates a moderate risk of contamination from fuel and waste vehicle storage and runoff from roadways and agricultural areas. Public meetings have been held to discuss the concerns. Additional information regarding protection measures will be available in the future at City Hall. If you have any questions about this report or concerns regarding your water utility, please contact Jody Brown at (270) 665-5162. We want our customers to be informed about their water utility

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects may be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and may pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include: Microbial contaminants, such as viruses and bacteria, (sewage plants, septic systems, livestock operations, or wildlife). Inorganic contaminants, such as salts and metals, (naturally occurring or from stormwater runoff, wastewater discharges, oil and gas production, mining, or farming). Pesticides and herbicides, (stormwater runoff, agriculture or residential uses). Organic chemical contaminants, including synthetic and volatile organic chemicals, (by-products of industrial processes and petroleum production, or from gas stations, stormwater runoff, or septic systems). Radioactive contaminants, (naturally occurring or from oil and gas production or mining activities). In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water to provide the same protection for public health.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Your local public water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

Some or all of these definitions may be found in this report:

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 using the best available treatment technology.

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 contaminants.

Below Detection Levels (BDL) - laboratory analysis indicates that the contaminant is not present.

Not Applicable (N/A) - does not apply.

Parts per million (ppm) - or milligrams per liter, (mg/l). One part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) - or micrograms per liter, (µg/L). One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Parts per trillion (ppt) - one part per trillion corresponds to one minute in 2,000,000 years, or a single penny in \$10,000,000,000.

Parts per quadrillion (ppq) - one part per quadrillion corresponds to one minute in 2,000,000,000 years or one penny in \$10,000,000,000,000.

Picocuries per liter (pCi/L) - a measure of the radioactivity in water.

Millirems per year (mrem/yr) - measure of radiation absorbed by the body.

Million Fibers per Liter (MFL) - a measure of the presence of asbestos fibers that are longer than 10 micrometers.

Nephelometric Turbidity Unit (NTU) - a measure of the clarity of water. Turbidity has no health effects. However, turbidity can provide a medium for microbial growth. Turbidity is monitored because it is a good indicator of the effectiveness of the filtration system.

Variations & Exemptions (V&E) - State or EPA permission not to meet an MCL or a treatment technique under certain conditions.

Action Level (AL) - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system shall follow.

Treatment Technique (TT) - a required process intended to reduce the level of a contaminant in drinking water.

Spanish (Español) Este informe contiene información muy importante sobre la calidad de su agua beber. Tradúzcalo o hable con alguien que lo entienda bien.

To understand the possible health effects described for many regulated contaminants, 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.

The data presented in this report are from the most recent testing done in accordance with administrative regulations in 401 KAR Chapter 8. As authorized and approved by EPA, the State has reduced monitoring requirements for certain contaminants to less often than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data in this table, though representative, may be more than one year old. **Copies of this report are available upon request by contacting our office during business hours.**

Regulated Contaminant Test Results **City of La Center**

| Contaminant [code] (units) | MCL | MCLG | Report Level | Range of Detection | Date of Sample | Violation | Likely Source of Contamination |
|----------------------------|-----|------|--------------|--------------------|----------------|-----------|--------------------------------|
|----------------------------|-----|------|--------------|--------------------|----------------|-----------|--------------------------------|

Radioactive Contaminants

| | | | | | | | |
|-------------------------------|----|---|------|--------------|--------|----|-----------------------------|
| Alpha emitters [4000] (pCi/L) | 15 | 0 | 1.4 | 1.4 to 1.4 | Apr-17 | No | Erosion of natural deposits |
| Combined radium (pCi/L) | 5 | 0 | 1.17 | 1.17 to 1.17 | Apr-17 | No | Erosion of natural deposits |

Inorganic Contaminants

| | | | | | | | |
|------------------------|----|----|-------|----------------|--------|----|---|
| Barium [1010] (ppm) | 2 | 2 | 0.031 | 0.031 to 0.031 | Apr-17 | No | Drilling wastes; metal refineries; erosion of natural deposits |
| Beryllium [1075] (ppb) | 4 | 4 | 1.4 | 1.4 to 1.4 | Apr-17 | No | Coal-burning factories; metal refineries; electrical, defense, and aerospace industries |
| Fluoride [1025] (ppm) | 4 | 4 | 0.86 | 0.86 to 0.86 | Apr-17 | No | Water additive which promotes strong teeth |
| Nitrate [1040] (ppm) | 10 | 10 | 3.3 | 3.3 to 3.3 | Dec-19 | No | Fertilizer runoff; leaching from septic tanks, sewage; erosion of natural deposits |

Disinfectants/Disinfection Byproducts and Precursors

| | | | | | | | |
|--|----------|-----------|------------------------|------------------------------------|------|----|---|
| Chlorine (ppm) | MRDL = 4 | MRDLG = 4 | 1.10 (highest average) | 0.9 to 1.28 | 2019 | No | Water additive used to control microbes. |
| HAA (ppb) (Stage 2) [Haloacetic acids] (Annual Sample) | 60 | N/A | 2 (high site) | 0 to 2 (range of individual sites) | 2019 | No | Byproduct of drinking water disinfection |
| TTHM (ppb) (Stage 2) [total trihalomethanes] (Annual Sample) | 80 | N/A | 4 (high site) | 4 to 4 (range of individual sites) | 2019 | No | Byproduct of drinking water disinfection. |

Household Plumbing Contaminants

| | | | | | | | |
|--|----------|-----|------------------------------------|--------------|--------|----|---|
| Copper [1022] (ppm) sites exceeding action level 0 | AL = 1.3 | 1.3 | 0.56 (90 th percentile) | 0.058 to 0.6 | Jul-18 | No | Corrosion of household plumbing systems |
| Lead [1030] (ppb) sites exceeding action level 0 | AL = 15 | 0 | 4.9 (90 th percentile) | 1.1 to 5 | Jul-18 | No | Corrosion of household plumbing systems |

| | Average | Range of Detection |
|--|---------|--------------------|
| Sodium (EPA guidance level = 20 mg/L) | 27.0 | 27 to 27 |

Secondary contaminants do not have a direct impact on the health of consumers. They are being included to provide additional information about the quality of the water.

| Secondary Contaminant | Maximum Allowable Level | Report Level | Range of Detection | Date of Sample |
|------------------------|-------------------------|--------------|--------------------|----------------|
| Chloride | 250 mg/l | 13 | 13 to 13 | Jan-19 |
| Corrosivity | Noncorrosive | -4.55 | -4.55 to -4.55 | Jan-19 |
| Fluoride | 2.0 mg/l | 0.75 | 0.75 to 0.75 | Jan-17 |
| Odor | 3 threshold odor number | 1 | 1 to 1 | Jan-19 |
| pH | 6.5 to 8.5 | 6.46 | 6.46 to 6.46 | Jan-19 |
| Sulfate | 250 mg/l | 3.8 | 3.8 to 3.8 | Jan-19 |
| Total Dissolved Solids | 500 mg/l | 120 | 120 to 120 | Jan-19 |

Violation #: 2019-9752129

Our water system recently received a violation for compliance period. We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During 01/01/2018 - 12/31/2018 we did not complete all monitoring or testing for 1002 ALUMNUM and therefore cannot be sure of the quality of your drinking water during that time. There is nothing you need to do at this time. You do not need to use an alternative (e.g., bottled) water supply.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail

This report will not be mailed to each individual and will be available upon request at City Hall in La Center, Ky. If you have any questions, please contact Mr. Jody Brown at 270-665-5162.