

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, ($\mu\text{g/L}$). 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.



Water Quality Report for 2024

For previous reports include year.
Example: tapwaterinfo.com/2023/oldhamcounty

Water System ID: KY0930333
Chief Executive Officer: Russell D. Rose
502-222-1690
CCR Contact: Gary Allen
502-222-1690
ocwd@oldhamcountywater.com

Mailing address:
P.O. Box 51
Buckner, KY 40010

Meeting location and time:
2160 Spencer Court, LaGrange
Third Tuesday each month at 9:00 AM



Source Information:

Oldham County Water District customers are fortunate because we enjoy an abundant water supply from a groundwater source. The Oldham County Water Treatment Plant draws water from wells drilled into the Ohio River alluvial aquifer, which holds several billion gallons of water. The Oldham County Water Treatment Plant was constructed in 1981 and was expanded in 2011 to increase capacity to 13 MGD. The treatment facility provides roughly 1.5 billion gallons of clean drinking water every year. An analysis of the susceptibility of the district's water supply to contamination indicates that this susceptibility is generally moderate. There are, however, a few areas of concern in the immediate vicinity of our water wells. These include row crops, septic systems, some permitted operations, and road exposure that cumulatively increase the potential for release

of contaminants within the wellhead protection area. The summary of the water system's susceptibility to contamination is part of the completed Wellhead Protection Plan that is available for inspection during normal business hours at our office.

Message from the EPA:

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). 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 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).

Information about Lead:

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 water system is responsible for providing high quality drinking water and removing lead pipes, but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water and wish to have your water tested, contact your local water system. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <http://www.epa.gov/safewater/lead>.

We are required to annually provide information about the health risks from lead in drinking water to schools and child care facilities. All elementary schools, secondary schools, and child care facilities are eligible to be sampled for lead by our water system. Contact our office for scheduling or to learn results of previous sampling.

Service Line Inventory Information:

To address lead in drinking water, EPA requires that all community water systems develop and maintain an inventory of service line materials. We have completed a service line inventory (SLI) and it is available for review at our office.

Lead Sample Results Availability Information:

We are required to periodically sample water from customer taps to determine lead and copper levels. EPA sets the lead action level at 0.015 mg/L (15 ppb). For a water system to be in compliance, at least 90% of tap water samples must have lead levels below this limit. This report contains the 90th percentile and range of our most recent sampling. The individual results for each location sampled can be reviewed at our office.

We are only required to test for some contaminants periodically, so the results listed in this report may not be from the previous year. Only detected contaminants are included in this report. For a list of all contaminants we test for please contact us. Copies of this report are available upon request by contacting our office.

Regulated Contaminant Test Results								Oldham County Water District	
Contaminant [code] (units)	MCL	MCLG	Report Level	Range of Detection	Date of Sample	Violation	Likely Source of Contamination		
Inorganic Contaminants									
Barium [1010] (ppm)	2	2	0.036	0.036 to 0.036	Apr-23	No	Drilling wastes; metal refineries; erosion of natural deposits		
Fluoride [1025] (ppm)	4	4	0.83	0.83 to 0.83	Apr-23	No	Water additive which promotes strong teeth		
Nitrate [1040] (ppm)	10	10	1.08	0.24 to 1.08	Feb-24	No	Fertilizer runoff; leaching from septic tanks, sewage; erosion of natural deposits		
Disinfectants/Disinfection Byproducts and Precursors									
Chlorine (ppm)	MRDL = 4	MRDLG = 4	1.08 (highest average)	0.66 to 1.51	2024	No	Water additive used to control microbes.		
HAA (ppb) (Stage 2) [Haloacetic acids] (Annual Sample)	60	N/A	11 (high site)	10 to 11 (range of individual sites)	2024	No	Byproduct of drinking water disinfection		
TTHM (ppb) (Stage 2) [total trihalomethanes] (Annual Sample)	80	N/A	46 (high site)	39 to 46 (range of individual sites)	2024	No	Byproduct of drinking water disinfection.		
Household Plumbing Contaminants									
Copper (ppm) Round 1 sites exceeding action level 0	AL = 1.3	1.3	0.898 (90 th percentile)	0.106 to 1.158	Aug-22	No	Corrosion of household plumbing systems		
Lead (ppb) Round 1 sites exceeding action level 0	AL = 15	0	1 (90 th percentile)	0 to 2	Aug-22	No	Corrosion of household plumbing systems		

Secondary Contaminant	Maximum Allowable Level	Report Level	Range of Detection	Date of Sample
Chloride	250 mg/l	18	18 to 18	Feb-24
Color	15 color units	1	1 to 1	Feb-24
Copper	1.0 mg/l	0.093	0.093 to 0.093	Feb-24
Corrosivity	Noncorrosive	-0.2	-0.2 to -0.2	Feb-24
Fluoride	2.0 mg/l	0.9	0.9 to 0.9	Feb-24
Manganese	0.05 mg/l	0.015	0.015 to 0.015	Feb-24
pH	6.5 to 8.5	7.14	7.14 to 7.14	Feb-24
Sulfate	250 mg/l	35.3	35.3 to 35.3	Feb-24
Total Dissolved Solids	500 mg/l	294	294 to 294	Feb-24

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.

Your drinking water has been sampled for a series of unregulated contaminants. Unregulated contaminants are those for which EPA has not established drinking water standards. There are no MCLs and therefore no violations if found. The purpose of monitoring for these contaminants is to help EPA determine where the contaminants occur and whether they should have a standard. As our customers, you have a right to know that these data are available. If you are interested in examining the results, please contact our office during normal business hours. In 2023, none of the unregulated contaminants we tested for were detected in our finished drinking water.



Message from the Chief Operating Officer

At Oldham County Water District, our mission is simple yet essential—delivering clean, safe, and reliable water to the homes and businesses of Oldham County. We believe that access to high-quality drinking water is the foundation of a strong, healthy community, and we are committed to providing this vital resource both affordably and sustainably for generations to come.

Ensuring a dependable water supply goes beyond turning on the tap. It requires strategic planning, strong infrastructure, and proactive maintenance. Our team works diligently to invest in system improvements, embrace innovative water treatment technologies, and responsibly manage our natural resources. Being good stewards of these resources isn't just our duty—it's a commitment we take seriously.

At the heart of our work is you—our customers. We take great pride in serving this community and continuously strive to deliver the highest quality service at the most reasonable cost. Our dedication to excellence drives us to explore new advancements in water treatment and distribution, ensuring that we not only meet today's needs but also prepare for the future.

Leadership & Commitment

Oldham County Water District is guided by a dedicated five-member Board of Commissioners, each bringing valuable expertise to our mission:

- J.W. Hall III, Chairperson - Local business owner & insurance agent
- Jody Curry, Vice-Chairperson - Attorney & business owner
- Robert Durbin, Treasurer - Accountant & CPA
- Jason Greer, Secretary - Local business owner
- Ron Fonk, Commissioner - Local builder

Oldham County is more than just a service area to us—it's our home. It's where we live, work, and raise our families. We are honored to play a role in preserving the quality of life here by ensuring access to safe, clean, and reliable water for all.

Thank you for trusting us as your water service provider. We remain committed to safeguarding this invaluable resource for today and for future generations.

*Russell D. Rose
Chief Executive Officer
Oldham County Water District*