

P.O. Box 906

Hyden, KY 41749

Water - Essential for Life

Meetings: 356 Wendover Road, Hyden, KY 41749

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Meeting Dates and Time: Last Thursday of Each Month

This report is designed to inform the public about the quality of water and services provided on a daily basis. Our commitment is to provide our customers with a safe, clean, and reliable supply of drinking water. We want to assure that we will continue to monitor, improve, and protect the water system and deliver a high quality product. Water is the most indispensable product in every home and we ask everyone to be conservative and help us in our efforts to protect the water source and the water system.

4:00pm

Your supply is a surface water source which comes from the Middle Fork of the KY River. Water from the Middle Fork is pumped to our treatment plant where contaminants are removed and disinfectants added to protect you against microbial organisms. An analysis of the susceptibility of Hyden-Leslie's water supply contamination indicates that susceptibility is generally moderate. However, there are a few areas of concern. Roads and bridges are of concern due to the potential for hazardous spills as well as erosion from logging and mining activities. Activities and land uses upstream of Hyden-Leslie's source of water can pose potential risk to your drinking water. Under certain circumstances, contaminants could be released and would pose challenges to water treatment, or even get into your drinking water. These activities, and how they are conducted, are of interest to the entire community because they potentially affect your health and the cost of treating your water. The complete source water assessment is available for inspection at our office.

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).

Some or all of these definitions may be found in this report:	Information About Lead:
Maximum Contaminant Level (MCL) - the highest level of a contaminant that is allowed in drinking water.	If present, elevated levels of lead can
MCLs are set as close to the MCLGs as feasible using the best available treatment technology.	cause serious health problems, especially
Maximum Contaminant Level Goal (MCLG) - the level of a contaminant in drinking water below which there is	for pregnant women and young children.
no known or expected risk to health. MCLGs allow for a margin of safety.	Lead in drinking water is primarily from
Maximum Residual Disinfectant Level (MRDL) - the highest level of a disinfectant allowed in drinking water.	materials and components associated
There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.	with service lines and home plumbing.
Maximum Residual Disinfectant Level Goal (MRDLG) - the level of a drinking water disinfectant below which	Your local public water system is
there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to	responsible for providing high quality drinking water, but cannot control the
control microbial contaminants.	variety of materials used in plumbing
Below Detection Levels (BDL) - laboratory analysis indicates that the contaminant is not present.	components. When your water has been
<i>Not Applicable (N/A)</i> - does not apply.	sitting for several hours, you can minimize
Parts per million (ppm) - or milligrams per liter, (mg/l). One part per million corresponds to one minute in two	the potential for lead exposure by flushing
years or a single penny in \$10,000.	your tap for 30 seconds to 2 minutes
Parts per billion (ppb) - or micrograms per liter, ($\mu g/L$). One part per billion corresponds to one minute in 2,000	before using water for drinking or cooking.
years, or a single penny in \$10,000,000.	If you are concerned about lead in your
	water, you may wish to have your water
\$10,000,000,000.	tested. Information on lead in drinking
Parts per quadrillion (ppq) - one part per quadrillion corresponds to one minute in 2,000,000,000 years or one	water, testing methods, and steps you can
penny in \$10,000,000,000. Picocuries per liter (pCi/L) - a measure of the radioactivity in water.	take to minimize exposure is available
	from the Safe Drinking Water Hotline or at
<i>Millirems per year (mrem/yr)</i> - measure of radiation absorbed by the body.	http://www.epa.gov/safewater/lead.
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.	
<i>Variances & Exemptions (V&E)</i> - 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.	© 2014
<i>Treatment Technique (TT)</i> - 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.

are not expecte										
	Allowable		year to year. Some of the dat Highest Single			Lowest	Violation	inadive, indy	be more than one year old.	
			Measurement			Monthly %	violation	Likely Source		
Turbidity (NTU) TT	No more than 1 NTU*				-	, ionung 70			Linely bource	
* Representative samples	Less than 0.3 NTU in 95% of monthly samples		0.235			100	No	Soil runoff		
of filtered water						100			Son runon	
Regulated Contaminant Te		nuny samples								
Contaminant	St Results		Report	1	Ran	Te	Date of	Violation	Likely Source of	
[code] (units)	MCL	MCLG	Level			ction	Sample	Contamination		
Radioactive Contaminants		MeLo	Level	011	Jun	ction	Sample		Contamination	
Alpha emitters								No		
[4000] (pCi/L)	15	0	1.4	1.4	to	1.4	Oct-11	110	Erosion of natural deposits	
Combined radium								No		
(pCi/L)	5	0	1.5	1.5	to	1.5	Oct-11	110	Erosion of natural deposits	
Uranium		1								
(μg/L)	30	0	2.2	2.2	to	2.2	Oct-11	No	Erosion of natural deposits	
(µg/L) Inorganic Contaminants	I	Į	<u> </u>					ļ	ļ	
Barium	r –		<u> </u>					1		
	2	2	0.026	0.026		0.026	E-h 15	No	Drilling wastes; metal refineries	
[1010] (ppm)	2	2	0.026	0.026	to	0.026	Feb-15	INO	erosion of natural deposits	
G [1022] ()	4.7		0.040							
Copper [1022] (ppm)	AL =		0.042					N7	Corrosion of household plumbi	
sites exceeding action level	1.3	1.3	(90th	0.0024	to	0.0804	Sep-15	No	systems	
0			percentile)							
Fluoride									Water additive which promotes	
[1025] (ppm)	4	4	1	1	to	1	Feb-15	No	strong teeth	
Nitrate									Fertilizer runoff; leaching from	
[1040] (ppm)	10	10	0.2	0.2	to	0.2	Feb-15	No	septic tanks, sewage; erosion of	
									natural deposits	
Volatile Organic Contamin	ants							1	1	
Xylenes	10	10	0.0008	0.0008	to	0.0008	Oct-15	No	Discharge from petroleum	
[2955] (ppm)								110	factories; chemical factories	
Disinfectants/Disinfection I	Byproducts	and Precursors								
Total Organic Carbon (ppm)			3.85							
(measured as ppm, but	TT*	N/A	(lowest	1.00	to	11.67	2015	No	Naturally present in environment	
reported as a ratio)			average)	(mon	(monthly ratios)					
*Monthly ratio is the % TOC	removal ac	hieved to the %	FOC removal	required. A	nnu	al average mu	st be 1.00 or g	greater for co	mpliance.	
Chlorine	MRDL	MRDLG	1.38						Water additive used to control	
(ppm)	= 4	= 4	(highest	1.19	to	1.63	2015	No	microbes.	
			average)						incrobes.	
HAA (ppb) (Stage 2)			41						D. 1. 61111	
[Haloacetic acids]	60	N/A	(high site	13	to	62	2015	No	Byproduct of drinking water	
			average)	(range of	indiv	vidual sites)			disinfection	
TTHM (ppb) (Stage 2)	1		45					1		
[total trihalomethanes]	80	N/A	(high site	8	to	89	2015	No	Byproduct of drinking water	
[average)			vidual sites)	2010	1.0	disinfection.	
Other Contaminants		1	areauge)	(runge of				1	1	
Cryptosporidium	0	TT	0			3	2015			
	· · ·		0			-	2015	No	Human and animal fecal waste	
•••••		(99% removal)	(nositive s	samples)	(ne	of samples)				
[oocysts/L]		(99% removal)	(positive s	samples)	(no.	of samples)				
[oocysts/L] Secondary Contaminants Fluoride (added for dental		(99% removal)	(positive s			of samples)				

Sodium (EPA guidance level = 20 mg/L) 0.0 0 to 0

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Maximum Contaminant Levels (MCL's) are set at very stringent levels. 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.

PUBLIC NOTIFICATION

Our water system violated one or more drinking water standards over the past year. Even though these were not emergencies, as our customers, you have a right to know what happened and what we did to correct these situations.

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 10/1/2015 - 10/31/2015 we did not complete all monitoring or testing for Chlorine 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.

The table below lists the contaminant(s) we did not properly test for during the last year, how often we are supposed to sample for this contaminant and how many samples we are supposed to take, how many samples we took, when samples should have been taken, and the date on which follow up samples were (or will be) taken.

Contaminant	Required sampling frequency	Number of samples taken	When samples should have been taken	When samples were or will be taken					
Chlorine	Daily	30	October 2015	N/A					
This violation was due to a typographical error on the Monthly Operating Report (MOR). All of the daily chlorine samples were collected; however the sample result for October 23rd was not recorded on the MOR. There are no health effects associated with these violations.									

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.