	KY0630238				
Water Quality Report for year 2017				Manager:	Kenneth Fisher
		th Laurel Road		Phone:	606-878-2494
Meetings:	Londo	on, Ky 40744 Water District Office		CCR Contact:	Roy Collett
Water - Essential for Life Meeting Dat		2nd Tuesday each Month	2:00 PM	Phone:	606-528-2768
This report is designed to inform the public ab	out the quality of water and	services provided on a dail	y basis. Our commit	ment is to provide our custor	mers with a safe, clean, and reliable supply
of drinking water. We want to assure that we	vill continue to monitor, imp	rove, 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 Our source of water is surface water. Water				ility by professional water t	reatment operators then distributed to over
17,000 people daily. Activities and land use		_			-
conducted, are of interest to the entire commu				-	
susceptibility of our water source to contaminate	ation. Sources of potential c	contamination for the Laure	el River Lake include	e; transportation routes (rail	and road), pesticide application, untreated
sewage typically from failing septic system		-			-
susceptibility of the water source to contamin		· •	-	-	
suspicious activity occurring within the Laur Development District.	el River and Laurel River I	_ake watersned. The sour	ce water assessment	ts can be reviewed at our	office of at the Cumberland valley Area
Drinking water, including bottled water, may	reasonably be expected to c	contain at least small amou	nts of some contami	nants. The presence of cont	aminants does not necessarily indicate that
water poses a health risk. More information at	out contaminants and potent	ial health effects may be of	ptained by calling the	e Environmental Protection A	Agency's Safe Drinking Water Hotline (800-
426-4791). The sources of drinking water (both tap water	and bottled water) include ri	vers, lakes, streams, ponds	, reservoirs, springs,	and wells. As water travels	over the surface of the land or through the
ground, it dissolves naturally occurring min		· · · · · ·			-
Contaminants that may be present in source					-
contaminants, such as salts and metals, (na					· · · · -
(stormwater runoff, agriculture or residential	· -			-	* *
production, or from gas stations, stormwater r In order to ensure that tap water is safe to drin					
limits for contaminants in bottled water to pro Some people may be more vulnerable to			conulation Immun	a annuanisad narsans su	ach as porsons with agnost undergoing
chemotherapy, persons who have undergon	-		-		
infections. These people should seek advid				-	
Cryptosporidium and other microbial contam		-			
Some or all of these definitions may be foun	d in this report:			Info	rmation About Lead:
<i>Maximum Contaminant Level (MCL)</i> - the set as close to the MCLGs as feasible using the			ng water. MCLs are		vels of lead can cause serious health r pregnant women and young children.
Maximum Contaminant Level Goal (MCLC			w which there is no		
known or expected risk to health. MCLGs allo				numbing Your local r	ed with service lines and home public water system is responsible for
Maximum Residual Disinfectant Level (MR) convincing evidence that addition of a disinfect			nking water. There is	providing high quality	drinking water, but cannot control the
Maximum Residual Disinfectant Level Goal	5		below which there is		d in plumbing components. When your or several hours, you can minimize the
no known or expected risk to health. MRDLC	is do not reflect the benefits	of the use of disinfectants	to control microbial	potential for lead expos	ure by flushing your tap for 30 seconds
contaminants. Below Detection Levels (BDL) - laboratory ar	alysis indicates that the cont	taminant is not present.			ng water for drinking or cooking. If you ad in your water, you may wish to have
Not Applicable (N/A) - does not apply.	-	*		your water tested. In	formation on lead in drinking water,
Parts per million (ppm) - or milligrams per li	iter, (mg/l). One part per mill	ion corresponds to one mir	ute in two years or a	• •	eps you can take to minimize exposure Safe Drinking Water Hotline or at
single penny in \$10,000. <i>Parts per billion (ppb)</i> - or micrograms per lit	er, (µg/L). One part per billi	ion corresponds to one min	ute in 2,000 years, or	http://www.cong.gov/oofc	-
a single penny in \$10,000,000.	11.	in to in 2 000 000			
<i>Parts per trillion (ppt)</i> - one part per tril \$10,000,000,000.	lion corresponds to one mi	nute in 2,000,000 years,	or a single penny in		
Parts per quadrillion (ppq) - one part per qua	drillion corresponds to one	minute in 2,000,000,000 y	ears or one penny in	ı	
\$10,000,000,000,000. Level 1 Assessment - A Level 1 assessment is	a study of the water system	to identify potential proble	ms and determine (i	f	
possible) why total coliform bacteria have bee	2		,		
Milliems per year (mrem/yr) - measure of rad Million Eibars pay Litar (MEL) - a measure of			micrometers		
Million Fibers per Liter (MFL) - a measure o Nephelometric Turbidity Unit (NTU) - a m		-			
turbidity can provide a medium for microb					
Variances & Exemptions (V&E) - State or I	EPA permission not to meet	an MCL or a treatment tec	hnique under certain	1	
conditions. Action Level (AL) - the concentration of a con-	ntaminant which, if exceeded	l, triggers treatment or othe	r requirements that a		
water system shall follow.					
To and the state of Tank	a harden de de la sector de la sector	A affe and the state	in a materia		
Treatment Technique (TT) - a required proces	ss intended to reduce the leve	el of a contaminant in drink	ing 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.

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.

* Representative samples L	I No more tha	lowable Levels	Meas	est Single	Lowest	Violation		Likely Source of Turbidity	
* Representative samples L of filtered water 9				surement	Monthly %			Likely Source of Turbidity	
of filtered water 9	and then 0	n 1 NTU*							
	Less man 0.2	3 NTU in	0.088 10		100	No	Soil runoff		
Regulated Contaminant Test Resu	95% of mon	thly samples							
	ılts				•				
Contaminant	MCI	ICL MCLG	Report	Report Range		Date of Sample	Violation	Likely Source of	
[code] (units)	MCL		Level of Detec		tection		violation	Contamination	
Microbiological Contaminants								•	
Total Coliform Bacteria	TT	N/A	2	N/2	4	2017	Na	Naturally appoint in the annian ment	
# or % positive samples						1	INO	No Naturally present in the environment	
Inorganic Contaminants	-								
Barium									
[1010] (ppm)	2	2	0.022	0.022 to	0.022	Apr-17	No	Drilling wastes; metal refineries; erosion of natural deposits	
Copper [1022] (ppm)	AL=		0.307				No	Corrosion of household plumbing systems	
sites exceeding action level	1.3	1.3	(90 th	0.004 to	0.907	Jun-15			
0			percentile)						
Fluoride								Water additive which promotes	
[1025] (ppm)	4	4	0.78	0.78 to	0.78	Apr-17	No	strong teeth	
Lead [1030] (ppb)	AL=		1.3					Corrosion of household plumbing	
sites exceeding action level	15	0	(90 th	0 to	7.7	Jun-15	No	systems	
0			percentile)					-,	
Nitrate								Fertilizer runoff; leaching from septic	
[1040] (ppm)	10	10	0.2	0.2 to	0.2	Jul-17	No	tanks, sewage; erosion of natural deposits	
Disinfectants/Disinfection Byprodu	ucts and Pr	ecursors							
Total Organic Carbon (ppm)			1.27						
(measured as ppm, but	TT*	N/A	(lowest	1.11 to	1.50	2017	No	Naturally present in environment.	
reported as a ratio)			average)	(month	ly ratios)			_	
*Monthly ratio is the % TOC remova	al achieved	to the % TOC rem	0 /		. /	greater for com	pliance.	•	
Chlorine	MRDL	MRDLG	0.95				Ì		
(ppm)	= 4	= 4	(highest	0.3 to	1.56	2017	No	Water additive used to control	
VI. /			average)					microbes.	
HAA (ppb) (Stage 2)			41				1	1	
[Haloacetic acids]	60	N/A	(high site	15.6 to	55	2017 N	No	Byproduct of drinking water	
			average)		dividual sites)			disinfection	
TTHM (ppb) (Stage 2)			43	(8 m				1	
[total trihalomethanes]	80	N/A	(high site	16.1 to	56.2	2017	No	Byproduct of drinking water	
[average)		dividual sites)			disinfection.	

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.

Coliform Information: Level 1 Assessment

Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system. We found coliforms indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessment(s) to identify problems and to correct any problems that were found during these assessments.

During the past year we were required to conduct one Level 1 assessment(s). One Level 1 assessment(s) were completed. In addition, we were required to take one corrective actions and we completed one of these actions.

Message to Our Customers

We at Laurel Co. Water District #2 work hard to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future. We continually strive to minimize the interruption of your service due to water main breaks and routine maintenance. We appreciate your patience during these events and apologize for any inconvenience you may have experienced due to a main break or the ensuing boil water advisories during the calendar year 2017. We request your help in protecting our water supply from vandals or potential terrorist activity. If you observe suspicious activities around any of the water facilities, please report this type of activity to our business office or local Law Enforcement Agencies. We must all work together to protect our communities from these types of activities.