Contraction of the second second	Laurel County Water District #2		KY0630238
	Water Quality Report for Year 2009	Manager:	David Hughes
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	London, KY 40744		. ,
	Meetings: 3910 South Laurel Rd., London, KY 40744	CCR Contact:	Kenneth Fisher
	Meeting Dates and Time: 2nd Tuesday of each month 5:00 PM	Phone:	(606) 528-2768

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.

Our source of water is surface water. Water is withdrawn from Laurel River and processed at our treatment facility by professional water treatment operators then distributed to over 17,000 people daily. We purchased 4% of our water from the City of London Utility Commission. Their source of water is surface water supplied from the Laurel River Lake. Their Water Quality Report is on file at our main office. Activities and land uses upstream of our drinking water intake can pose potential risks to 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. A source water assessment has been prepared to evaluate the susceptibility of our water source to contamination. Sources of potential contamination include; transportation routes (rail and road), pesticide application, untreated sewage typically from failing septic systems or straight pipes, mining activities and chemical and fuel storage. Due to historical incidents such as spills our susceptibility ranking is high. Your help is needed as well in being mindful when disposing of waste and reporting any suspicious activity occurring within the Laurel River watershed. The source water assessment can be reviewed at our office or at the Cumberland Valley Area Development District.

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. MCLs are	If present, elevated levels of lead can		
set as close to the MCLGs as feasible using the best available treatment technology.	cause serious health problems,		
Maximum Contaminant Level Goal (MCLG) - the level of a contaminant in drinking water below which there is no	especially for pregnant women and		
known or expected risk to health. MCLGs allow for a margin of safety.	young children. Lead in drinking water		
Maximum Residual Disinfectant Level (MRDL) - the highest level of a disinfectant allowed in drinking water. There is	is primarily from materials and		
convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.	components associated with service		
Maximum Residual Disinfectant Level Goal (MRDLG) - the level of a drinking water disinfectant below which there is	lines and home plumbing. Your local		
no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control	public water system is responsible for		
microbial contaminants.	providing high quality drinking water,		
Below Detection Levels (BDL) - laboratory analysis indicates that the contaminant is not present.	but cannot control the variety of		
<i>Not Applicable (N/A)</i> - does not apply.	materials used in plumbing		
Parts per million (ppm) - or milligrams per liter, (mg/l). One part per million corresponds to one minute in two years	components. When your water has		
or a single penny in \$10,000.	been sitting for several hours, you can		
Parts per billion (ppb) - or micrograms per liter, (µg/L). One part per billion corresponds to one minute in 2,000	minimize the potential for lead		
years, or a single penny in \$10,000,000.	exposure by flushing your tap for 30		
Parts per trillion (ppt) - one part per trillion corresponds to one minute in 2,000,000 years, or a single penny in	seconds to 2 minutes before using		
\$10,000,000,000.	water for drinking or cooking. If you		
Parts per quadrillion (ppq) - one part per quadrillion corresponds to one minute in 2,000,000,000 years or one penny	are concerned about lead in your		
in \$10,000,000,000,000.	water, you may wish to have your		
Picocuries per liter (pCi/L) - a measure of the radioactivity in water.	water tested. Information on lead in		
	drinking water, testing methods, and		
<i>Millirems per year (mrem/yr)</i> - measure of radiation absorbed by the body.	steps you can take to minimize		
Million Fibers per Liter (MFL) - a measure of the presence of asbestos fibers that are longer than 10 micrometers.	exposure is available from the Safe		
	Drinking Water Hotline or at		
Nephelometric Turbidity Unit (NTU) - a measure of the clarity of water. Turbidity has no health effects. However,	http://www.epa.dov/safewater/lead.		
turbidity can provide a medium for microbial growth. Turbidity is monitored because it is a good indicator of the	and a state of the		
effectiveness of the filtration system.	these and the A		
Variances & Exemptions (V&E) - State or EPA permission not to meet an MCL or a treatment technique under	ALL		
certain conditions.			
Action Level (41) - the concentration of a contaminant which if exceeded triggers treatment or other requirements	NAME OF COLUMN TWO IS NOT THE OWNER.		

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.

The data presented in this	s report are	e from the n	nost 1	recent testi	ng done ii	n acco	ordance wit	h administra	tive regulati	ions in 401 KAR Chapter 8. As	
authorized and approved	by EPA, th	ie State has r	reduce	ed monitori	ng require	ement	s for certai	n contaminai	its to less o	Iten than once per year because	
representative may be	ese contai	than one	not	old Un) vary sig	orwise	antry from	the report	laval is	the highest level detected	
A – Lourol Wotor Dist	rict $\#$ P	than one		ty Commi	esion	el wise	e noted,	the report	level is	the highest level detected.	
A – Laurer water Dist			00111 0	Lighost	ssion.		Lowest	Violation			
	Allo	wable	nrc	ingnes	Single		Lowest				
	Le	evels	8	Measur	ement	N	Aonthly %	, D	Likely Source of Turbidity		
Turbidity (NTU) TT	No more	than 1 NTU	A=	0.	187		100	No			
* Representative samples	Less than	0.3 NTU in	B=	0	.11		100	No		Soil runoff	
of filtered water	95% mon	thly samples	I S								
Regulated Contamina	nt Test R	esults	-					•			
Contaminant			e	Report		Rano	7e	Date of	Violation	Likely Source of	
			uno	in point			,•				
[code] (units)	MCL	MCLG	Ň	Level	of	Detec	ction	Sample		Contamination	
Radioactive Contamin	ants		1					1	1		
Alpha emitters	-									Erosion of natural deposits	
[4000] (pCi/L)	15	0	B=	0.3	0	to	0.3	Feb-08	No		
					<u> </u>						
Inorganic Contaminal	nts	1	T	T				•	r		
Copper [1022] (ppm)	AL =			0.270						Corrosion of household	
sites exceeding action lev	1.3	1.3	A=	(90th	0	to	0.43	Jun-09	No	plumbing systems	
0				percentile)							
Fluoride			A=	1.08	0.69	to	1.31	Feb-09	No	Water additive which	
[1025] (ppm)	4	4	B=	1.08	1.08	to	1.08	Mar-09	No	promotes strong teeth	
Lead [1030] (ppb)	AL =		A=	1						Corrosion of household	
sites exceeding action lev	15	0		(90th	0	to	2	Jun-09	No	plumbing systems	
0				percentile)							
Nitrate			A=	0.62	0.62	to	0.62	Jul-09	No	Runoff from fertilizer use;	
[1040] (ppm)	10	10	B=	0.317	0.317	to	0.317	Mar-09	No	leaching from septic tanks,	
										sewage; erosion of natural	
					Ĺ	to				deposits	
Disinfectants/Disinfe	ction Byp	products an	ıd Pr	ecursors				1	r —		
Total Organic Carbon (pp	om)			1.40						Naturally present in	
(report level=lowest avg.	TT*	N/A	A=	(lowest	1.13	to	1.91	N/A	No	environment.	
range of monthly ratios)				average)	(mor	nthly	ratios)				
*Monthlyratio is the %	ΓOC remova	al achieved to	the %	TOC remov	al required.	. Annua	alaverage of	f the monthly ra	tios must be	1.00 or greater for compliance.	
Chlorine	MRDL	MRDLG		0.95						Water additive used to control	
(ppm)	= 4	= 4	A=	(highest	0.30	to	2.10	N/A	No	microbes.	
				average)							
HAA (ppb) (all sites)				52						Byproduct of drinking water	
[Haloacetic acids]	60	N/A	A=	(system	29	to	85	N/A	No	disinfection	
				average)	(range o	of sys	tem sites)				
TTHM (ppb) (all sites)				60						Byproduct of drinking water	
[total trihalomethanes]	80	N/A	A=	(system	26	to	123	N/A	No	disinfection	
				average)							
Other Contaminants											
									Secnata		
Cryptosporidium	0	ТТ	A=	1			5	N/A	below.	Human and animal fecal waste	
[oocysts/L]	(9	99% remova	l)	(positive	samples)	(no.	of samples)		below		
Cryptosporidium. We are	required	to monitor th	ne so	urce of yo	ur drinkin	ig w a	ter for Cry	ptosporidium	n in order to	determine whether treatment	
at the water treatment pl	ant is suff	icient to ade	equat	ely remove	Cryptos	poridi	um from yo	our drinking v	vater.		
Violations: London Ut	ilities Co	mmission									
On August 11, 2009 LU	C received	d a notice o	fvio	lation due f	the fail	lure to	send a c	copy of the 2	2008 Consu	mer Confidience Report to the	
Kentucky Division of Wa	ater by Jul	y 1, 2009.	Desc	ription of v	iolation i	s '40 ⁻	1 KAR 8:07	75, Section 1	Consume	r Confidence Rule. The public	
water system failed to submit the Consumer Confidence Report (CCR) to the Department for Environmental Protection. The system was											
required to distribute the CCR to customers and submit a copy to the Kentucky Department for Environmental Protection, by July 1st, annually.											
We at Laurel Co. Water District #2 work hard to provide top quality water to every tap. We ask that all our quetomers 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 w	vater main	breaks and	routi	ne mainten	ance. We	appro	eciate your	patience dur	ing these ev	vents and apologize for any	
inconvenience you may	have expen	rienced due t	to a r	nain-break	or the en	suring	g boil water	r advisories d	uring the ca	alendar year 2009. We request	
your help in protecting of	our water s	upply from	vand	als or poter	ntial terro	orist a	ctivity. If yo	ou observe su	spicious act	tivities around any of the water	
facilities, please report the	his type of	activity to o	ur bu	siness offic	e or local	Law	Enforcemen	nt Agencies. V	We must al	l work together to protect our	
communities from these types of activities.											