	Olive Hill Municipal Water Works	KY0220335			
	Water Quality Report for year 2012	Manager:	Glen Hedge		
	225 Roger Patton Drive	Phone:	606-286-2618		
	Olive Hill, KY 41164				
Water - Essential for Life	Meetings: Senior Citizens Building	CCR Contact:	Glen Hedge		
	Meeting Dates and Time: Second Tuesday of monune 0:00 PM	Phone:	000-200-2010		

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.

The Olive Hill Municipal Water Works (a) treats surface water from the Olive Hill City Lake and Tygarts Creek. The lake has a low susceptibility of contamination while the susceptibility for Tygarts Creek is moderate. We also purchase a small amount of water from Rowan Water Inc.(b) to supplement our customers along HWY 60W. They are supplied by Morehead Utility Plant Board. Their source of water is surface water supplied by the Licking River, also purchase small amount from Rattlesnake Ridge Water District that withdraw from Grayson Lake. Both are moderately susceptible to contamination. Contaminant sources of concern include; transportation corridors; chemical and fuel storage; and agricultural pesticide and fertilizer application. Activities and land use within the watershed can pose potential risks to your drinking water. Under certain circumstances contaminants could be released that 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 may be reviewed at Olive Hill City Hall or at the FIVCO 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	If present, elevated levels of lead can		
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 not	for pregnant women and young children.		
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 with		
There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.	service lines and home plumbing. Your		
Maximum Residual Disinfectant Level Goal (MRDLG) - the level of a drinking water disinfectant below which	local public water system is responsible		
there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control	for providing high quality drinking water,		
microbial contaminants.	but cannot control the variety of materials		
Below Detection Levels (BDL) - laboratory analysis indicates that the contaminant is not present.	used in plumbing components. When your		
<i>Not Applicable</i> (N/A) - does not apply.	water has been sitting for several hours,		
Parts per million (ppm) - or milligrams per liter, (mg/l). One part per million corresponds to one minute in two	you can minimize the potential for lead		
years or a single penny in \$10,000.	exposure by flushing your tap for 30		
Parts per billion (ppb) - or micrograms per liter, $(\mu g/L)$. One part per billion corresponds to one minute in 2,000	seconds to 2 minutes before using water		
years, or a single penny in \$10,000,000.	for drinking or cooking. If you are		
Parts per trillion (ppt) - one part per trillion corresponds to one minute in 2,000,000 years, or a single penny in	concerned about lead in your water, you		
\$10,000,000.	may wish to have your water tested.		
Parts per quadrillion (ppq) - one part per quadrillion corresponds to one minute in 2,000,000,000 years or one	Information on lead in drinking water,		
penny in \$10,000,000,000.	testing methods, and steps you can take		
<i>Picocuries per liter (pCi/L)</i> - a measure of the radioactivity in water.	to minimize exposure is available from the		
Millirems per year (mrem/yr) - measure of radiation absorbed by the body.	Safe Drinking Water Hotline or at		
Million Fibers per Liter (MFL) - a measure of the presence of asbestos fibers that are longer than 10 micrometers.	http://www.epa.gov/safewater/lead.		
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.			
Variances & 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.

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. Unless otherwise noted, the report level is the highest level detected.

otherwise noted, the report ie		llowable	Highest S	nole	Lowes	t	Violation		
	Levels		Measurement		Monthl	v %	Violation	Likely Source	
Turbidity (NTU) TT	No more th	an 1 NTU*				·			
* Representative samples	Less than 0.3 NTU in 95% of monthly samples		0.11		10	0	No		Soil runoff
of filtered water									
Regulated Contamina	nt Test R	esults						•	
Contaminant			Report		Range		Date of	te of Violation Likely Source of	
[code] (units)	MCL	MCLG	Level	of	Detection		Sample		Contamination
Inorganic Contamina	nts	•							
Copper [1022] (ppm)	AL =		0.01						
sites exceeding action level	1.3	1.3	(90 th	0	to 0.0	6	Aug-11	No	systems
0			percentile)						
Fluoride									XX7 / 11'/· 1·1 /
[1025] (ppm)	4	4	1.06	0.83	to 1.2	5	Mar	No	strong teeth
							2012		
Lead [1030] (ppb)	AL =		3						
sites exceeding action level	15	0	(90 th	0	to 5		Aug-11	No	Corrosion of nousenoid plumbing
0			percentile)						systems
Nitrate									Runoff from fertilizer use: leaching
[1040] (ppm)	10	10	0.150	0.15	to 0.1	5	Jan-12	No	from septic tanks, sewage; erosion
									of natural deposits
Disinfectants/Disinfec	tion Bypr	oducts and P	recursors						
Total Organic Carbon (ppm)			1.05						
(measured as ppm, but	TT*	N/A	(lowest	1.00	to 1.5	3	N/A	No	Naturally present in environment.
reported as a ratio)			average)	(mo	nthly ratios)				
*Monthly ratio is the % TOC	removal ach	nieved to the % T	OC removal r	equired. Ar	nnual average	e of the	e monthly ratio	s must be 1.	00 or greater for compliance.
Chlorine	MRDL	MRDLG	1.04						
(ppm)	= 4	= 4	(highest	0.44	to 1.3	6	N/A	No	microhes
			average)						incrobes.
HAA (ppb) (all sites)			38						Down to st of delation of sector
[Haloacetic acids]	60	N/A	(system	31	to 49		N/A	No	disinfection
			average)	(range	(range of system sites)				
TTHM (ppb) (all sites)			62						Dymoduct of drinking water
[total trihalomethanes]	80	N/A	(system	25	to 13	0	N/A	No	disinfection
			average)	(range	of system sit	es))		disinfection.