4	Maysville Utility Commissio	KY0810275		
Water - Ess	Water Quality Report for year	2014	Manager:	Eddie Wenz
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	Maysville, Ky 41056			
	Meetings: Commission Chambers at 216 Bridge St.	CCR Contact:	Greg T. England	
	Meeting Dates and Time: 2nd Wednesday of each month	10:00 AM	Phone:	606-564-2513

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 system.

We are pleased to present this Annual Water Quality Report. The main source of water for Maysville customers is surface water from the Ohio River. This report is designed to inform the public about the quality of the water and services provided on a daily basis. The following is a summary of the system's susceptibility to contamination, which is part of the complete Source Water Assessment Plan (SWAP), and is available for inspection at the Buffalo Trace Area Development District office in Maysville. An analysis of the susceptability of the Maysville Utility water supply to contamination indicates that the susceptability is generally high. There are several areas of high concern near the raw water withdrawal site. These sites of high concern include: Ports along the Ohio River where accidental spills of chemicals and petroleum products can occur, bridges located near the intake site, railroads and agricultural areas. Other sites of medium concern include an historical landfill site and an abadoned oil or gas well. The full text of the source water assessment can be viewed at the Buffalo Trace Area Development District office in Maysville.

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:

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, $(\mu g/L)$. 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.

Information About Lead:

If present, elevated levels of 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 public water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking

<i>Parts per quadrillion (ppq)</i> - one part per quadrillion corresponds to one minute in 2,000,000,000 years or one penny in \$10,000,000,000.	water, testing methods, and steps you can take to minimize exposure is
Picocuries per liter (pCi/L) - a measure of the radioactivity in water.	available from the Safe Drinking Water Hotline or at
<i>Millirems per year (mrem/yr)</i> - measure of radiation absorbed by the body. <i>Million Fibers per Liter (MFL)</i> - 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.	
<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.	
<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.

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.

	Allowable Levels		Highes Measur		Lowest Monthly %	Violation	Likely Source
Turbidity (NTU)No more than 1 NTU**RepresentativeLess than 0.3 NTU in 95%samples of filteredof monthly sampleswater		0.049		97%	No	Soil runoff	
Regulated Contaminan	t Test Results						
Contaminant [code] (units)	MCL	MCLG	Report Level	Range of Detection	Date(s) of Sample(s)	Violations	Likely Source of Contamination
Radioactive Contamina	ints						•
Alpha emitters [4000](pCi/L)	15	0	0.2	0.2 to 0.2	Mar-11	No	Erosion of natural deposits
Combined Radium (pCi/L)	5	0	0.3	0.3 to 0.3	Mar-11	No	Erosion of natural deposits
Inorganic Contaminan	ts						
Arsenic [1005] (ppb)	10	N/A	0.7	0.7 to 0.7	Feb-14	No	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Barium [1010] (ppm)	2	2	0.039	0.039 to 0.039	Feb-14	No	Drilling wastes; Metal refineries; Erosion of natural deposits
Copper [1022](ppm) Sites exceeding action level: 0	AL=1.3	1.3	0.144 (90 th percentile)	0.01 to 0.269	Sep-13	No	Corrosion of household plumbing systems
Lead [1030](ppb) Sites exceeding action level: 0	AL=15	0	2 (90 th percentile)	0 to 5	Sep-13	No	Corrosion of household plumbing systems
Fluoride [1025] (ppm)	4	4	0.5	0.5 to 0.5	Feb 2014	No	Water additive which promotes strong teeth
Nitrate [1040] (ppm)	10	10	1	1 to 1	Feb-14	No	Runoff from fertilizer use; leaching from septic tanks, sewage; Erosion of natural deposits.
Disinfectants/Disinfecti	on Byproducts	and Precursor	5				
Total Organic Carbon (measured as ppm but reported as a ratio)	TT*	N/A	1.29 (lowest average)	1.03 to 1.86 (monthly ratios)	N/A	No	Naturally present in the environment
*Monthly ratio is the %7	OC removal ac	hieved to the %	FOC removal re	quired. Annual av	erge must be 1.0	0 or greater for	compliance.
Chlorine (ppm)	MRDL=4	MRDLG=4	1.26 (highest average)	0.23 to 1.76	N/A	No	Water additive used to control microbes
HAA (ppb) (all sites) [Haloacetic Acids]	60	N/A	37 (system average)	20 to 67 (range of system sites)	N/A	No	By-product of drinking water disinfection
HAA (ppb) [Haloacetic Acids] (Individual sites)	60	N/A	41 (high site average)	20 to 67 (range of individual sites)	N/A	No	By-product of drinking water disinfection
TTHM (ppb) (all sites) [Total rrihalomethanes]	80	N/A	65 (system average)	24 to 85 (range of system sites)	N/A	No	By-product of drinking water disinfection
TTHM (ppb) [total trihalomethanes] (Individual sites)	80	N/A	67 (high site average)	24 to 85 (range of individual sites)	N/A	No	By-product of drinking water disinfection
Unregulated Contan	inants (UC	MR 3)	average	range (ppb)	date		1

EPA has not established drinking water standards for unregulated contaminants. There are no MCL's and therefore no violations if found. Violation Received in 2014:

The Maysville Utility Commission received one violation in 2014 for failure to notify the Western Lewis Rectorville Water District of a Tier 2 violation for Turbidity exceedance for monitoring period 12/01/2013 to 12/31/2013. A Public Notice was issued in March of 2014 for the original violation and it was also discussed in the 2013 CCR. The Public Notice Rule requires this water system to notify Consecutive Water Systems within 30 days of a violation but we failed to provide that notification. In the future, we will avoid this type of error by submitting all notifications to Consecutive Water Systems using Hand Delivery mailings to insure that notices are received by the water systems within the allowed time.