	Beaver Dam Municipal Water			KY0920025	
	Water Quality Report for year 202	21	Manager:	Larry Carter Jr.	
	309 West 2nd Street		Phone:	(270) 274-7106	
	Beaver Dam, Kentucky 42320				
	Meetings: Beaver Dam City Hall		CCR Contact:	Larry Carter Jr.	
- Essential for Life	Meeting Dates and Time: 2nd Monday of each month 6:00 H	PM	Phone:	(270) 274-7106	

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.

Water -

Our water source is a combination of surface water and ground water. Your water is supplied by the Ohio Co. Water District and two wells, classified as ground water, operated by Beaver Dam Municipal Water. Ohio County District draws surface water from the Green River. An analysis of Ohio County's water supply indicates that susceptibility is generally moderate. However, there are a few areas of high concern. Potential contaminant sources of concerninclude on major road andstatewide coverage of row crops. The complete plan for the District is available at their office during regular business hours. An analysis of the susceptibility to contamination of the wells operated by Beaver Dam Municipal indicates that susceptibility is generally moderate. These wells are classified as ground water. Potential contaminant sources of concern include roads and fuel storage. Information on both system's source water is available from Green River Area Development Office, located at 300 GRADD Way, Owensboro. Kentucky 42301. (270) 926-4433.

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 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	for providing high quality drinking water,		
control 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 (N/A)</i> - 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, (μ 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		
\$10,000,000,000.	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 penny in \$10,000,000,000,000.	Information on lead in drinking water, testing methods, and steps you can take		
Picocuries per liter (pCi/L) - 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.			
<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.

day at the MCL level for a The data presented in this report							0			apter 8 As authorized and
approved by EPA, the State has	reduced mo	onitoring requi	iremeı	nts for certain	n contamir	nants t	o less often th	an once per ye	ear because t	-
this report are available upon			•	•				io Co. W		B= Beaver Dam
1 1	1 0	0		0						D- Deaver Dam
Regulated Contaminant	l Test Res	suits	a	I I			unicipal Water & S			
Contaminant			Source	Report	Range		0	Date of	Violation	Likely Source of
[code] (units)	MCL	MCLG	\mathbf{S}_{0}	Level	o	f Dete	ction	Sample		Contamination
Radioactive Contamina	1	0	Γ.						N	1
Combined radium	5	0	A=	0.3	0.3	to	0.3	May-20	No No	Erosion of natural deposits
(pCi/L) Inorganic Contaminant	<u> </u>		B=	0.485	0.485		0.485	Jan-19	No	
Arsenic	8		A=	0.4	0.4	to	0.4	April-20	No	NT-41
[1005] (ppb)	10	N/A	A-	0.4	0.4	10	0.4	April-20	NO	Natural erosion; runoff from orchards or glass and electronics production wastes
Barium			A=	0.03	0.03	to	0.03	April-2021	No	*
		_						-		Drilling wastes; metal refineries; erosion of natural deposits
[1010] (ppm)	2	2	B=	0.038	0.038	to	0.038	Aug-2020	No No	-
Fluoride [1025] (ppm)	4	4	A=	0.87	0.87	to	0.87	Aug-2021	No	Water additive which promotes strong teeth
Nitrate		· ·	A=	0.78	0.78	to	0.78	May-21	No	Fertilizer runoff; leaching from
[1040] (ppm)	10	10								septic tanks, sewage; erosion of natural deposits
Synthetic Organic Cont	aminants	including	Pest	icides and	l Herbic	ides				
Atrazine			A=	BDL	BDL	to	0.27	2021	No	
2050] (ppb)	3	3								Runoff from herbicide used on row crops
Disinfectants/Disinfection	on Bypro	ducts and	Prec	ursors						
Total Organic Carbon (ppm)			A=	2.02	1.38	to	3.48	2021	No	
report level=lowest avg.	TT*	N/A								Naturally present in environment
range of monthly ratios)										
Monthly ratio is the % TOC re	1		TOC	1	iired. Annu	ual ave	erage must be	1.00 or greate	r for complia	ance.
Chlorine	MRDL	MRDLG	D	1.63	0.57		2.10	2021	NI-	Water additive used to control
(ppm)	= 4	= 4	B=	(highest average)	0.57	to	3.10	2021	No	microbes.
HAA (ppb) (Stage 2)										Byproduct of drinking water
[Haloacetic acids]	60	N/A	B=	39	1	to	53	2021	No	disinfection
			<u> </u>	(average)	(range o	of indiv	vidual sites)		ļ	
TTHM (ppb) (Stage 2)	00	NT / 4	P	47	1		(0)	2021	No	Byproduct of drinking water
[total trihalomethanes]	80	N/A	B=	47 (average)	1 (range o	to f indi	69 vidual sites)	2021	No	disinfection.
			I	(average)	(ralige 0	n mul	viduai sites)	L	1	<u>I</u>
Household Plumbing Co	ontamina	nts								
Copper [1022] (ppm)	AL =			0.204						Corresion of household alumbin
sites exceeding action level	1.3	1.3	B=	(90 th	0.0257	to	0.398	2019	No	Corrosion of household plumbin systems
0				percentile)						
Lead [1030] (ppb)	AL =			2						Corrosion of household plumbin
sites exceeding action level 0	15	0	B=	(90 th percentile)	0	to	2	,2019	No	systems
Other Constituents	1			percentuic)	1			I	1	
urbidity (NTU) TT Allowable		rce	Highest Single			Lowest	Violation			
* Representative samples	Levels		Source	Measurement		,	Monthly %		Likely Source of Turbidity	
Turbidity is a measure of the			A=			ť	100	No		
				l `		1	100	110	1	
clarity of the water and not a	Less than 0	.3 NTU in								Soil runoff

This report will not be sent to individual customers.

Notice of Violation 2021 - 9951810 CCR ADEQUACY / AVAILABLITY / CONTENT

Our system received a Notice of Violation in 2021 from our primacy agency, Kentucky Division of Water. Our 2020 Consumer Confidence Report (CCR) Notification to customers, on our bills, was inncorrect. The URL or link sent to customers (as primary distribution) and Division of Water directed to the 2019 CCR not the 2020 CCR. We now proof the table to insure compliance.