2022 Annual Water Quality Report

Black Mountain Utility District Serving the Communities of:

Coxton – Dayhoit – Green Hills – Kenvir – Louellen – Rosspoint – Sukey Ridge – Wallins

609 Four Mile Road Baxter, KY 40806 (606) 573-1277 (phone) • (606) 573-1276 (fax)



www.tapwaterinfo.com/bmud.pdf

Table of Contents

Source Water & Public Health Information	3
Water Quality Data	
Coxton and Dayhoit Customers	4
Rosspoint, Sukey Ridge and Wallins Customers	5
Kenvir and Louellen Customers	6
Green Hills Customers	7

Black	Mounta	in Utili	ity	District
202	2 Water	Quality	Re	port

Manager: Grant Cooper	CCR Contact: Grant Cooper	Phone:	606-573-1277
Address: 609 Four Mile Road Bax	ter, KY 40806	Fax:	606-573-1276
Meetings: Utility District Office / See	cond Tuesday each month at 6:00 pm	Email: blkm	t@harlanonline.net

The purpose of this report is to inform our customers about the quality of water and services provided daily. Our commitment is to deliver safe, clean, and reliable supply of drinking water to your tap. Black Mountain Utility District (BMUD) operates eight public drinking water systems which directly serves a population of over 9,300; that is approximately 34% of Harlan County. There is a great deal of energy, ingenuity and teamwork involved in providing water service to our customers. The dedicated staff of BMUD operates and maintains over 140 miles of water lines, 12 storage tanks and 10 pump stations to deliver safe and affordable drinking water to 3,176 customers. We are proud to be able to supply water for about a penny per gallon—an exceptional value.

Source Water Information

We purchase treated drinking water from Harlan Municipal Water Works, Evarts Municipal Water Works and Pineville Utility Commission. Where you live in the county determines the source of your drinking water. Customers living in the Coxton, Davhoit, Rosspoint, Sukey Ridge and Wallins areas are supplied by Harlan; customers in the Kenvir and Louellen areas by Evarts, and Green Hills customers are supplied by both Harlan and Pineville. The raw water source for our suppliers is a combination of surface water and groundwater. Harlan withdraws water from the Poor Fork of the Cumberland River and Pineville from Cannon Creek Lake; however, Evarts withdraws water from an abandoned coal mine and three water wells in the area. Raw water is pumped from these sources to their respective treatment plants where particulate matter suspended in the raw water is settled and oxidized to remove contaminants after which the water is filtered and disinfected with chlorine to further protect public health. As part of a multi barrier approach to safeguard the public, land use within the watershed have been assessed to better understand their potential impact to water quality and to assign a susceptibility rating. A susceptibility analysis uses a weighted rating system which evaluates the toxicity, distance and likelihood contaminants being released which could adversely affect water quality. The analysis rates all three sources at a moderate risk to contamination however, there are a few areas of concern. Surface run-off and erosion from logging and mining activities serve as potential threats in addition to wastewater discharges and fuel & chemical spills through road / rail transportation corridors that transect the watershed. These land uses make the source water susceptible to contamination from bacteria, metals organic chemicals and siltation. Land use within the watersheds 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 our customers because they potentially affect your health and the cost of treating your water. The complete source water assessments can be reviewed at Cumberland Valley Area Development District in London, KY.

Public Health Information

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 pertoleum 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).

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 water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead.

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, (µg/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.

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.

Picocuries per liter (pCi/L) - a measure of the radioactivity in water. Millirems per year (mrem/yr) - measure of radiation absorbed by the body.

Million Fibers per Liter (MFL) - a measure of the presence of asbestos fibers that are longer than 10 micrometers.

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.

COXTON, DAYHOIT, ROSSPOINT, SUKEY RIDGE AND WALLINS CUSTOMERS

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.

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. **Copies of this report are available upon request by contacting our office during business hours.**

upon request by contacting ou			irs.						
Regulated Contaminant	t Test Res	sults					ER WOR	KS (PWSID# KY0480178)	
Contaminant	MCL	MCLG	Report	Ra	•	Date of	Violation	Likely Source of	
[code] (units)			Level	of Det	ection	Sample		Contamination	
Inorganic Contaminant	s						-		
Barium								Drilling wastes; metal refineries;	
[1010] (ppm)	2	2	0.033	0.033 to	0.033 to 0.033		No	erosion of natural deposits	
Fluoride								Water additive which promotes	
[1025] (ppm)	4	4	0.62	0.62 to	0.62	Aug-22	No	strong teeth	
Disinfection Byproduct	Precurso	r							
Total Organic Carbon (ppm)			1.09						
(measured as ppm, but	TT*	N/A	(lowest	1 to	1.73	2022	No	Naturally present in environment.	
reported as a ratio)			average)	(monthl	y ratios)				
*Monthly ratio is the % TOC re-	moval achiev	ved to the % TOC	removal req	uired. Annual av	verage must be	1.00 or greater	for complian	nce.	
Other Constituents									
Turbidity (NTU) TT	Al	lowable	High	est Single	Lowest	Violation	г	likely Source of Turbidity	
* Representative samples	1	Levels	Mea	surement	Monthly %	violation		Sikely Source of Furblandy	
Turbidity is a measure of the	No more th	an 1 NTU*							
clarity of the water and not a	Less than 0	.3 NTU in	(0.27	100	No		Soil runoff	
contaminant.	95% of mo	nthly samples							
BLACK MOUNTAIN U	TH ITV	DISTRICT	COVTO	N			•	PWSID# KY0480265	
			COATO					1 W SID# K10480205	
Regulated Contaminant	l Test Res		Demont	Rai		Date of	1	Likely Source of	
Contaminant	MCL	MCLG	Report		0		Violation	Contamination	
[code] (units)			Level	of Det	ection	Sample		Contamination	
Disinfectants/Disinfection							1		
Chlorine	MRDL	MRDLG	1.11					Water additive used to control	
(ppm)	= 4	= 4	(highest	0.49 to	2.2	2022	No	microbes.	
			average)						
HAA (ppb) (Stage 2)			28					Byproduct of drinking water	
[Haloacetic acids]	60	N/A	(high site	9 to	27	2022	No	disinfection	
			average)	(range of ind	ividual sites)				
TTHM (ppb) (Stage 2)			55					Byproduct of drinking water	
[total trihalomethanes]	80	N/A	(high site	16 to	109	2022 No		disinfection.	
			average)	(range of ind	ividual sites)				
Household Plumbing Co	ontamina	nts							
Copper [1022] (ppm)	AL =		0.009						
sites exceeding action level	1.3	1.3	(90 th	0.007 to	0.009	2022	No	Corrosion of household plumbing systems	
0			percentile)					systems	
DI ACT MOUNTAIN I	TTH ITV	DISTRICT	DAVIIO	IT				PWSID# KY0480277	
BLACK MOUNTAIN U			DATIO	11				F WSID# K10480277	
Regulated Contaminant	l Test Kes	suits		D.		D ()	1	L'hat far wordt	
Contaminant	MCL	MCLG	Report	Ra	-	Date of	Violation	Likely Source of	
[code] (units)			Level	of Det	ection	Sample		Contamination	
Disinfectants/Disinfection			-				r		
Chlorine	MRDL	MRDLG	1.15					Water additive used to control	
(ppm)	= 4	= 4	(highest	0.76 to	1.52	2022	No	microbes.	
			average)						
HAA (ppb) (Stage 2)			25					Byproduct of drinking water	
[Haloacetic acids]	60	N/A	(high site	10 to	40	2022	No	disinfection	
			average)	(range of ind	ividual sites)				
TTHM (ppb) (Stage 2)			47					Byproduct of drinking water	
[total trihalomethanes]	80	N/A	(high site	19 to	67	2022	No	disinfection.	
	L		average)	(range of ind	ividual sites)				
Household Plumbing Co		nts					1		
Copper [1022] (ppm)	AL =		0.016					Corrosion of household plumbing	
sites exceeding action level	1.3	1.3	(90 th	0 to	0.267	Aug-21	No	systems	
0			percentile)						
Lead [1030] (ppb)	AL =		0					Corrosion of household plumbing	
sites exceeding action level	15	0	(90 th	0 to	3	Aug-21	No	systems	
0			percentile)						

BLACK MOUNTAIN	UTILITY	DISTRICT	- ROSSPC	DINT			PWSID# KY048065	
Regulated Contaminan	t Test Res	sults						
Contaminant	MCL	MCLG	Report	Range	Date of	Violation	Likely Source of	
[code] (units)	MCL	MCLG	Level	of Detection	Sample	violation	Contamination	
Disinfectants/Disinfecti	on Bypro	ducts and Pr	ecursors				•	
Chlorine	MRDL	MRDLG	1.25				Water additive used to control	
(ppm)	= 4	= 4	(highest	0.71 to 2	2022	No	microbes.	
			average)				meroees	
HAA (ppb) (Stage 2)			25				Byproduct of drinking water	
[Haloacetic acids]	60	N/A	(high site	11 to 36	2022	No	disinfection	
			average)	(range of individual sites)				
TTHM (ppb) (Stage 2)			41				Byproduct of drinking water	
[total trihalomethanes]	80	N/A	(high site	16 to 64	2022	No	disinfection.	
			average)	(range of individual sites)				
BLACK MOUNTAIN	UTILITY	DISTRICT.	SUKEV	RIDGE			PWSID# KY048046	
Regulated Contaminan			SURLI	MD GL			1 11 512/1 11 10 100 10	
Contaminant			Report	Range	Date of		Likely Source of	
[code] (units)	MCL	MCLG	Level	of Detection	Sample	Violation	Contamination	
Disinfectants/Disinfecti	on Bynro	ducts and Pr			Sumple			
Chlorine	MRDL	MRDLG	1.06					
(ppm)	= 4	= 4	(highest	0.55 to 1.6	2022	No	Water additive used to control	
(PP)	· ·		average)	0.00 10 110	2022		microbes.	
HAA (ppb) (Stage 2)			27					
[Haloacetic acids]	60	N/A	(high site	10 to 39	2022	No	Byproduct of drinking water	
[Indicate delab]		1011	average)	(range of individual sites)	2022	110	disinfection	
TTHM (ppb) (Stage 2)			51	(runge of marriada bites)				
[total trihalomethanes]	80	N/A	(high site	15 to 90	2022	No	Byproduct of drinking water	
[]			average)	(range of individual sites)			disinfection.	
BLACK MOUNTAIN		DISTRICT		()			PWSID# KY048057	
			- WALLII	ND CH			P W SID# K Y 048057	
Regulated Contaminan Contaminant	t Test Kes		Demont	Range	Date of		Likely Source of	
	MCL	MCLG	Report Level	of Detection		Violation	Contamination	
[code] (units) Disinfectants/Disinfecti		der ster and Der		of Detection	Sample		Containination	
	MRDL	MRDLG	1		1	1		
Chlorine	= 4	= 4	1.18	0.51 to 1.83	2022	No	Water additive used to control	
(ppm)	= 4	= 4	(highest	0.51 to 1.83	2022	INO	microbes.	
IIAA (mah) (Sterra 2)			average) 26					
HAA (ppb) (Stage 2) [Haloacetic acids]	60	N/A	(high site	12 to 38	2022	No	Byproduct of drinking water	
[Haloacetic acids]	00	IN/A	, υ		2022	INO	disinfection	
TTID((1) (C(2)			average)	(range of individual sites)				
TTHM (ppb) (Stage 2)	80	N/A	55 (high site	19 to 86	2022	No	Byproduct of drinking water	
[total trihalomethanes]	80	IN/A	(high site		2022	INO	disinfection.	
Household Plumbing C	ontomina	nte	average)	(range of individual sites)				
8	AL =		0.011					
Copper [1022] (ppm)		1.2	0.011 (90 th	0 4- 0.025	Au. 21	No	Corrosion of household plumbing	
sites exceeding action level	1.3	1.3	,	0 to 0.027	Aug-21	No	systems	
0			percentile)					

EVARTS MUNICIPAL WATER WORKS Regulated Contaminant Test Results Regulated Contaminant Test Results Regulated Contaminants Regulated Contaminants MCL MCLG Report Level Of Detection Date of Sample Violation Contaminants Figure Contaminant Figure F			KENVI	R AND	LOUELL	EN CUST	FOMERS	5			
Regulated Contaminant Test ResultsHereitKanger of DetectionDate of SampleViolationLikely Source of Contaminantsmarganic Targanic Contaminants220.4760.476to0.476Aug-22NoNoSince Divided (ppm)220.4760.476to0.476Aug-22NoNoSince Harding220.4760.476to0.476Aug-22NoNoSince Harding440.800.8to0.8Aug-22NoNoSince HardingN/AN/A11to1Aug-22NoNoNo HardingN/AN/A11to1Aug-22NoN/AObsine Horizon HardingN/AN/A11to1Aug-22NoN/ANo HardingTT* HardingN/A11to1Aug-22NoN/ANo HardingTT* HardingN/A1100to1.482002NoN/ANorther Highest Single Harding is a neared Harding is a neared Harding is a neared Highest Single Harding is a neared Harding is a neared Harding is a neared Highest Single Harding is a neared Harding is a neared Harding is a neared Harding is a neared Harding is a neared Highest Single Harding is a neared Harding is a neared <b< th=""><th>EVARTS MUNICIPAI</th><th>WATE</th><th></th><th></th><th></th><th></th><th></th><th></th><th>PWSID# 048012</th></b<>	EVARTS MUNICIPAI	WATE							PWSID# 048012		
$ \begin{array}{ c c c c c } \hline Sequence of Contaminants \\ \hline Sample Contaminant \\ \hline Sample \\ \hline Sample \\ \hline \\ \hline Sample \\ \hline \\ $									1 **********************		
Cardel (unity)MCLMCLGLevelof DetectionSampleViolationContaminationIntrganic ContaminantsIntraction (100)220.4760.47610.01Aug-22NoPolicing wates: metal refineries: strong technologiesIntraction (100)2220.4760.47610.01Aug-22NoPolicing wates: metal refineries: strong technologiesSidel (ph)440.800.8to0.8Aug-22NoNoWater additive which presentes: strong technologiesDisinfection Byproduct Precursor	0			Report	Ra	nge	Date of		Likely Source of		
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$		MCL	MCLG	-		0		Violation			
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$,	1 is		Level	01.50	cetton	Sample		Containination		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	0	.s I						1			
The second of the second o				0.476	0.456	0.457		N.	Drilling wastes; metal refineries;		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	[1010] (ppm)	2	2	0.476	0.4/6 to	0.476	Aug-22	INO	erosion of natural deposits		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $											
	Fluoride								Water additive which promotes		
Normanical (Self (rph)) N/A N/A N/A 1 1 to 1 Aug-22 No N/A USE PA remanded MCL in behand Y095.) N/A N/A 1 1 to 1 Aug-22 No N/A Sinfection Byproduct Precursor TT* N/A 1 1 to 1 Aug-22 No Nith Sinfection Byproduct Precursor TT* N/A 1 100 to 1.48 2022 No No Naturally present in environme genesate a print, but Monthy risk is the %TOC removal achieved to the %TOC removal required. Annual average must be 1.00 or greater for compliance. DUD No Soil runoff Curbidity of the vater and not a toring of the vater and not a toward and not a contaminant. No more than 1 NTU* to set to nonthy samples Loverst Violation Likely Source of Contaminant BLACK MOUNT AIN UTILITY DISTRICT - KENVIT PWSID#KY04806 Range of Detection Date of Soil runoff Likely Source of Contamination Disinfectional VDisinfection Byproducts and Precursors To Respondent of contaminater Contamination Disinfection VDisinfection Byproduct of rinking water dininfection N/A <td< td=""><td>[1025] (ppm)</td><td>4</td><td>4</td><td>0.80</td><td>0.8 to</td><td>0.8</td><td>Aug-22</td><td>No</td><td>1</td></td<>	[1025] (ppm)	4	4	0.80	0.8 to	0.8	Aug-22	No	1		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $											
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Nickel (ppb)										
Schwart 1995.) Image: Control of the second sympt of the se	(US EPA remanded MCL in	N/A	N/A	1	1 to	1	Aug-22	No	N/A		
Disinfection Byproduct Precursor Graid Organic Carbon (ppm) TT* N/A 1 No Naturally present in environmen measured as pun, but TT* N/A 1 100 No Naturally present in environmen Other Constituents Curbidity (NTU) TT Level Levels Lewest Likety Source of Turbidity Disinfection Samples Level Monthly % Violation BLACK MOUNTAIN UTILITY DISTRICT - KENVIR PWSID# KY04806 Regrestnative for comorbin samples Disinfection Byproducts and Precursors Contaminant Ctock control Disinfection Byproducts and Precursors Contaminant for Result Contaminant for Contaminants Control (might site site) Other considered to drinking water disinfection MRL MCL No Matter additive used to control microbes. Sinfectants/Disinfection Byproducts and Precursors Contaminant colspan="2">Contaminants <	February 1995.)						_				
		Precurso	r								
measured as ppm, but reported as a ratio)TT*N/A a verage)(low est to monthly ratios)2022NoNaturally present in environmen environmen (monthly ratios)Monthy ratio is the % TOC removal achieved to the % TOC removal required. Annual average turbidity (NTU) TT Represent ratio is the % TOC removal achieved to the % TOC removal required. Monthly ratio is the % TOC removal achieved to the % TOC removal required. Annual average Monthly ratio is the % TOC removal required. Annual average Monthly %ViolationLikely Source of TurbidityChrone Constituents Turbidity (NTU) TT represent ratio as mone than 1 NTU* parity of the water and not a contaminant.No more than 1 NTU* turbidity samplesLowest Measurement Monthly %ViolationLikely Source of TurbidityBLACK MOUNTAIN UTILITY DISTRICT - KENVIR rotanianatPWSID# KY04806 Regulated Contaminant Test Results: contaminantRange of DetectionDate of SampleViolationLikely Source of ContaminationDisinfectants/Disinfection Myproducts and PrecursorsN/A (high site average)0.65 to 2.22022NoByproduct of drinking water disinfection.Alone (high site otal rinhalomethanes)80N/A(A24 (high site average)44 to 2.02022NoByproduct of drinking water disinfection.Haloscetic acids60N/A(A24 (high site average)6 to 				1							
Propried as a ratio) average) (monthly ratios (monthly ratios Monthly ratio is the % TOC removal achieved to the % TOC removal required. Annual average must be 1.00 or greater for compliance. Other Constituents Furbidity (NTU) TT Allowable Highest Single Lowest Representative samples Lovels Highest Single Lowest Violation No more than 1 NTU* Levels Highest Single Lowest Monthly % Violation No Soil runoff Status No more than 1 NTU* Levels PWSID# KY04806 Regulated Contaminant NCL MCLG Report Of Detection Date of Sample Sample Disinfectants/Disinfection Byproducts and Precursors Itself (highst average) 0.65 0.22 2022 No Byproduct of drinking water disinfection THM (pb) (Stage 2) Allo N/A 24 to 20 2022 No Byproduct of drinking water disinfection Haloacetic axids] 60 N/A 42 average) 2022 No Byperduct of drinking water disinfection O N/A (high ist 6 38 2022 No Byperduct of drinking water disinfection Haloacetic axids] 60 <		TT*	N/A		1.00 to	1 48	2022	No	Naturally present in environment		
Monthly ratio is the % TOC removal achieved to the % TOC removal required. Annual average must be 1.00 or greater for compliance. Dther Constituents Dther Constituents Highest Single Lowest Monthly % Violation Likely Source of Turbidity Representative samples No more than 1 NTU* Lose stam 0.3 NTU in 95% of monthly samples 0.29 100 No Soil runoff BLACK MOUNTAIN UTILITY DISTRICT - KENVIR PWSID# KV04806 Regulated Contaminant Contamination Contamination Contamination Likely Source of Contamination Disinfectants/Disinfection MCL MCLG Report Level of Detection Sample Contamination Disinfectants/Disinfection MRDLG 1.74 0.65 to 2.2 2022 No Water additive used to control microbes. AtA (ppb) (Stage 2) 60 N/A 24 to 20 2022 No Byproduct of drinking water disinfection. Husehold Plumbing Contaminant Test Results crange of individual sites) 2022 No Byproduct of drinking water disinfection. ppm) a AL = 0.011 0 0 0.012 Sep-21 No Byproduct of drinking water disinfection. <			174	,		-	2022		, result in environment		
Other Constituents Allowable Highest Single Measurement Lowest Monthly % Violation Likely Source of Turbidity Perpresentative samples No more than 1 NTU* Less than 0.3 NTU in 0.95% of monthly samples 0.29 100 No Soil runoff BLACK MOUNTAIN UTILITY DISTRICT - KENVIR PWSID# KY04806 PWSID# KY04806 Regulated Contaminant Other Soil runoff Contaminant MCL MCLG Report Level Garge Date of of Detection Soil runoff Disinfectants/Disinfection Byproducts and Precursors Other the sample No Water additive used to control microbes. Charaminant MRDL = 4 1.74 (high site average) 0.65 to 2.2 2022 No Byproduct of drinking water disinfection Haloacetic acids] 60 N/A (high site average) 6 to 38 2022 No Byproduct of drinking water disinfection Household Plumbing Contaminants N/A (high site average) 6 to 38 2022 No Byproduct of drinking water disinfection Household Plumbing Contaminants N/A 0.011 (other average)<	· · · ·	L				. ,	1.00 :		l		
		moval achie	veu to the % IOC	. removai requ	ured. Annual a	erage must be	1.00 or greate	r ior compliar	ice.		
Representative samplesLevelsMeasurementMonthly %ViolationLikely Source of TurbidityTurbidity is a measure of the intro for water and not a oontaminant.No more than 1 NTU* p5% of monthly samples 0.29 100NoSoil runoffBLACK MOUNTAIN UTILITY DISTRICT - KENVIR Regulated Contaminant Test ResultsMCLGReport LevelRange of DetectionDate of SampleViolationLikely Source of Contaminant ContaminationDisinfectants/DisinfectionMCLGMCLGReport LevelRange of DetectionDate of SampleViolationLikely Source of ContaminationDisinfectants/DisinfectionMRDLG1.74 e.40.65 to 2.22022NoWater additive used to control microbes.AlA (ppb) (Stage 2) total trihalomethanes]60N/A(high site (range of individual sites)2022NoByproduct of drinking water disinfectionHousehold Plumbing Contaminant1.30.011 (90%0to o0.012Sep-21NoCorrosion of household plumbin systemsBLACK MOUNTAIN UTILITY DISTRICT - LOUELLENVolationCorrosion of household plumbin systemsNoLikely Source of disinfection.BLACK MOUNTAIN UTILITY DISTRICT - LOUELLENRange (range of individual sites)Date of SampleCorosion of household plumbin systemsBLACK MOUNTAIN UTILITY DISTRICT - LOUELLENProcentile)Date of SampleNoLikely Source of corosion of household plumbin systemsBLACK MOUNTAIN UTILITY DISTRICT - LOUELLEN		I					1	1			
Representative samplesLevelsMeasurementMonthly % \sim Undolfy a more than 1NTU* Less than 0.3 NTU in 95% of monthly samples0.29100NoSoil runoffSoil runoffBLACK MOUNTAIN UTILITY DISTRICT - KENVIRPWSID# KY04806Regulated ContaminantWeilt in the samplesOutside ContaminantWisite KeyuteeContaminantMCLRange of DetectionDate of SampleViolationLikely Source of ContaminationDisinfection Byproducts and PrecurserChorineMRDL a = 4MRDLLikely Source of ContaminationDisinfection Byproducts and PrecurserChorineMRDL averageMRDL (high site average)Colspan="4">Colspan="4"	• • •				0		Violation	1	Likely Source of Turbidity		
	* Representative samples		Levels	Mea	surement	Monthly %					
Contaminant:Contaminant:Out of the colspan="4">Out of the colspan=		No more th	an 1 NTU*								
Barck MOUNTAIN UTILITY DISTRICT - KENVIR PWSID# KY04806 Regulated Contaminant Test Results MCL MCLG Report Level Range of Date of Observents Date of Sample Violation Likely Source of Contamination Disinfectants/Disinfection Byproducts and Precursors mRDL HRDL 1.74 (highest average) 0.65 to 2.2 2022 No Water additive used to control microbes. AA (ppb) (Stage 2) 60 N/A (high site average) 4 to 20 2022 No Byproduct of drinking water disinfection. Haloacetic acids] 60 N/A (High site average) crange of individual sites) 2022 No Byproduct of drinking water disinfection. Household Plumbing Contaminants 80 N/A (High site average) o to 0.012 Sep-21 No Corrosion of household plumbin systems 0 Lack MOUNTAIN UTILITY DISTRICT - LOUELLEN PWSID# KY04806 Sumple Systems Corrosion of household plumbin systems 0 MCL MCLG Report Level Range of individual sites) No Systems 0 Lat = 1.3 0.011 o to 0.012 Sep-21 No Corrosion of household plumbin systems 0 Lat = MCLG MCLG Report Level Range of of Detection D		Less than 0	.3 NTU in	().29	100	No	Soil runoff			
Regulated Contaminant Test ResultsContaminant code] (units)MCLMCLGReport LevelRange of DetectionDate of SampleViolationLikely Source of ContaminationDisinfectants/Disinfection Byproducts and PrecursorsMRDL = 41.74 (highest average)0.65to2.22022NoWater additive used to control microbes.AAA (ppb) (Stage 2) Haloacetic acids]60N/A44 (high site average)0.65to38 (range of individual sites)2022NoByproduct of drinking water disinfection.THM (ppb) (Stage 2) total tribulomethanes]80N/A42 (high site average)6to38 (range of individual sites)2022NoByproduct of drinking water disinfection.Corrosion of household Plumbing Contaminants 0AL = 1.30.011 (90° percentile)0to<0.012	contaminant.	95% of mo	nthly samples								
Regulated Contaminant Test ResultsContaminant code] (units)MCLMCLGReport LevelRange of DetectionDate of SampleViolationLikely Source of ContaminationDisinfectants/Disinfection Byproducts and PrecursorsMRDL = 41.74 (highest average)0.65to2.22022NoWater additive used to control microbes.AAA (ppb) (Stage 2) Haloacetic acids]60N/A44 (high site average)0.65to38 (range of individual sites)2022NoByproduct of drinking water disinfection.THM (ppb) (Stage 2) total tribulomethanes]80N/A42 (high site average)6to38 (range of individual sites)2022NoByproduct of drinking water disinfection.Corrosion of household Plumbing Contaminants 0AL = 1.30.011 (90° percentile)0to<0.012			DICTDICT								
Contaminant code (units)MCLMCLGReport LevelRange of DetectionDate of SampleViolationLikely Source of ContaminationDisinfectants/Disinfection Byproducts and PrecursorsI.74 (highest average)0.65 to 2.22022NoWater additive used to control microbes.Jholne ppm) \mathbb{RDL} $= 4$ I.74 $= 4$ 0.65 to 2.22022NoWater additive used to control microbes.JAA (ppb) (Stage 2) Haloacetic acids]60N/A(ligh site average)2022NoNoByproduct of drinking water disinfectionTHM (ppb) (Stage 2) total trihalomethanes]80N/A42 (range of individual sites)2022NoByproduct of drinking water disinfectionHousehold Plumbing Contaminants0.011 (g00 th percentile)0to 0.012Sep-21NoCorrosion of household plumbin systemsBLACK MOUNTAIN UTILITY DISTRICT - LOUELLENRange (range of individual sites)Date of SampleViolationContaminationBLACK MOUNTAIN UTILITY DISTRICT - LOUELLENRange percentile)Date of SampleViolationContaminationDisinfectants/Disinfection Byproducts and Precursors1.67 (high site)0.65 (range of individual sites)NoWater additive used to control misstemsDisinfectants/Disinfection Byproducts and Precursors1.67 (high site)0.65 (high site)2.22022NoWater additive used to control misstemsDisinfection Byproducts and Precursors1.2 (high s				- KENVIR					PWSID# KY048060		
MCLMCLGLevelof DetectionSampleViolationContaminationDisinfectants/DisinfectionByproducts and Precursors:hlorineMRDL= 41.740.65to2.22022NoWater additive used to controlppm)= 4= 4(highest)0.65to2.22022NoByproduct of drinking waterdisinfectionaverage)60N/A244to202022NoByproduct of drinking waterTTHM (ppb) (Stage 2)60N/A(high site average)6to382022NoByproduct of drinking watertotal trihalomethanes]80N/A(high site average)6to382022NoByproduct of drinking waterfiles exceeding action level 01.30.011 (90°0to0.012Sep-21NoCorrosion of household plumbin systemsBLACK MOUNTAIN UTILITY DISTRICT - LOUELLENPrecentile)0to0.012Sep-21NoLikely Source of ContaminationContaminant codel (units)MCLMCLGReport Level02.22022NoByproduct of drinking water disinfection.Disinfectants/DisinfectionMRDL1.67 (high site)0to0.012Sep-21NoCorrosion of household plumbin systemsDisinfectants/DisinfectionMRDL1.67 (high site)0.65to2.22022NoByproduct of drinking water disinfection	0	t Test Res	sults								
code((units)Levelof DetectionSampleContaminationDisinfectants/DisinfectionByproduct of drinking water disinfectionMRDL = 41.74 (highest average)0.65 to2.22022NoWater additive used to control microbes.AAA (ppb) (Stage 2) Haloacetic acids]60N/A24 (high site average)4 to202022NoByproduct of drinking water disinfectionTTHM (ppb) (Stage 2) total trihalomethanes]80N/A42 (high site average)60.011 (g0 th)2022NoByproduct of drinking water disinfectionCorresting of individual sites)Product of drinking water disinfectionCorresting of individual sites)Product of drinking water disinfectionCorresting of individual sites)Product of drinking water disinfectionCorresting water disinfectionDisinfectionProduct of drinking water disinfectionOn the of	Contaminant	MCL	MCLG	Report		~	Date of	Violation	Likely Source of		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	[code] (units)	en	inclu	Level	of Det	ection	Sample	· Ionation	Contamination		
ppm)= 4= 4(highest average)0.65 toz.22022NoWater additive used to control microbes.HAA (ppb) (Stage 2) Haloacetic acids]60N/A24 (high site average)4to20 20222022NoByproduct of drinking water disinfectionTTHM (ppb) (Stage 2) total trihalomethanes]80N/A42 (high site average)6to38 (range of individual sites)2022NoByproduct of drinking water disinfection.Copper [1022] (ppm) ites exceeding action level 0AL = 1.30.011 (90 th percentile)0to0.012 percentile)Sep-21NoCorrosion of household plumbin systemsEMACK MOUNTAIN UTILITY DISTRICT - LOUELLENPWSID# KY04804Range of DetectionDate of SampleViolation McLMRLG average)Intervent substrateContaminant codel (units)MRLG additive used to control microbes.MRLG average)AA (pb) (Stage 2) ppm)60N/A12 (high site)2022NoWater additive used to control microbes.Intervent substrateContaminant contaminationDisinfectants/DisinfectionMRLC ppm)12 (high site)44202.2NoWater additive used to control microbes.Contaminant contamination <td< td=""><td>Disinfectants/Disinfecti</td><td>on Bypro</td><td>ducts and Pr</td><td>ecursors</td><td></td><td></td><td></td><td></td><td></td></td<>	Disinfectants/Disinfecti	on Bypro	ducts and Pr	ecursors							
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Chlorine	MRDL	MRDLG	1.74							
In Product of drinking water average)Interodes.HAA (ppb) (Stage 2) Haloacetic acids]60N/A 24 (high site average)2022NoByproduct of drinking water disinfectionTTHM (ppb) (Stage 2) total trihalomethanes]80N/A 42 (high site average)6to38 (range of individual sites)2022NoByproduct of drinking water disinfection.Household Plumbing ContaminantsCorper [1022] (ppm)AL = 1.31.30.011 (90 th percentile)0to0.012Sep-21NoCorrosion of household plumbin systemsBLACK MOUNTAIN UTILITY DISTRICT - LOUELLENPWSID# KY04804Range of DetectionDate of SampleViolation McL MCLGMCLMCLGReport LevelCorrosion of household plumbin got to drinking water disinfection.Disinfectants/DisinfectionDisinfectants/DisinfectionMRDLG1.7MRDLG1.12(high site of DetectionSampleDate of SampleViolationMRDLG1.12(high site of DetectionSampleCorrosion of household plumbin got to drinking water disinfection.ContaminantEstemationContaminant <td c<="" td=""><td></td><td></td><td></td><td></td><td>0.65 to</td><td>2.2</td><td>2022</td><td>No</td><td></td></td>	<td></td> <td></td> <td></td> <td></td> <td>0.65 to</td> <td>2.2</td> <td>2022</td> <td>No</td> <td></td>					0.65 to	2.2	2022	No		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	(11)								microbes.		
Haloacetic acids]60N/A(high site average)4to 202022NoByproduct of drinking water disinfectionTTHM (ppb) (Stage 2) total trihalomethanes]80N/A42 (high site average)6to 38 (range of individual sites)2022NoByproduct of drinking water disinfection.Household Plumbing ContaminantsCopper [1022] (ppm) ites exceeding action level 0AL = 1.30.011 (90th percentile)0to to 0.012Sep-21NoCorrosion of household plumbin systemsBLACK MOUNTAIN UTILITY DISTRICT - LOUELLENPWSID# KY04804Range codel (units)DisinfectionByproducts and Pre- LevelContaminant codel (units)MCLMCLGReport LevelRange of DetectionDate of SampleViolation microbes.Chlorine ppm)MRDL = 41.67 (high site)0.65to2.22022NoWater additive used to control microbes.Chlorine ppm)MRDL = 412 (high site)12 (range of individual sites)2022NoByproduct of drinking water disinfection.AA (ppb) (Stage 2) Haloacetic acids]60N/A15 (high site)15 to15 to2022NoByproduct of drinking water disinfection.THM (pb) (Stage 2) total trihalomethanes]80N/A15 (high site)15 to15 to2022NoByproduct of drinking water disinfectio	UAA (nub) (Stage 2)										
Image: State of the state of		60	NI/A		4 4-	20	2022	No	Byproduct of drinking water		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	[Haloacetic acids]	00	IN/A				2022	INO	disinfection		
total trihalomethanes]80N/A(high site average)6to 38 (range of individual sites)2022NoByproduct of drinking water disinfection.Household Plumbing ContaminantsCopper [1022] (ppm) ites exceding action level 0AL = 1.31.30.011 (90th percentile)0to 00.012Sep-21NoCorrosion of household plumbin systemsBLACK MOUNTAIN UTILITY DISTRICT - LOUELLENPWSID# KY04804Regulated Contaminant Test ResultsContaminant code1 (units)MCLMCLGReport LevelRange of DetectionDate of SampleViolationLikely Source of ContaminationDisinfectants/DisinfectionMRDL = 41.67 (highest0.65to2.22022NoWater additive used to control microbes.Haloacetic acids] AA (ppb) (Stage 2) Haloacetic acids]60N/A12 (high site)12 (range of individual sites)2022NoByproduct of drinking water disinfectionTTHM (ppb) (Stage 2) total trihalomethanes]80N/A15 (high site)15 to15 to15 to2022NoByproduct of drinking water disinfection					(range of ind	ividual sites)					
total trihalomethanes]80N/A(high site average)6to to38 (range of individual sites)2022Nodisinfection.Household Plumbing ContaminantsCopper [1022] (ppm) ites exceeding action levelAL = 1.30.011 (90 th)0to to0.012Sep-21NoCorrosion of household plumbin systemsBLACK MOUNTAIN UTILITY DISTRICT - LOUELLENPWSID# KY04804Regulated Contaminant codel (units)MCLMCLGReport LevelRange of DetectionDate of SampleViolationLikely Source of ContaminationDisinfectants/DisinfectionMRDL = 41.67 (high site)1.67 (high site)0.65 (high site)0.65 (122.22022NoWater additive used to control microbes.Haloacetic acids] Annual Sample)60N/A(high site)12 (range of individual sites)2022NoByproduct of drinking water disinfection.THM (ppb) (Stage 2) total trihalomethanes]80N/A15 (high site)15 to15 to15 to2022NoByproduct of drinking water disinfection.	TTHM (ppb) (Stage 2)			42					Byproduct of drinking water		
Household Plumbing ContaminantsCoper [1022] (ppm)ites exceeding action levelAL = 1.31.30.011 (90th)0to0.012Sep-21NoCorrosion of household plumbin systemsBLACK MOUNTAIN UTILITY DISTRICT - LOUELLENPWSID# KY04804Regulated Contaminant codel (units)MCLMCLGReport LevelRange of DetectionDate of SampleViolationLikely Source of ContaminationDisinfectants/Disinfection Byproducts and Precursors0.65to2.22022NoWater additive used to control microbes.Chlorine ppm)MRDL = 4MRDLG = 41.67 (high site)0.65to2.22022NoWater additive used to control microbes.AA (ppb) (Stage 2) Haloacetic acids]60N/A15 (high site)12 12to12 2022NoByproduct of drinking water disinfectionTHM (ppb) (Stage 2) total trialomethanes]80N/A15 (high site)15 to152022NoByproduct of drinking water disinfection.	[total trihalomethanes]	80	N/A	(high site	6 to	38	2022	No			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $				average)	(range of ind	ividual sites)					
ites exceeding action level 0 1.3 1.3 (90 th percentile) 0 to 0.012 Sep-21 No Correston of household plumbin systems BLACK MOUNTAIN UTILITY DISTRICT - LOUELLEN PWSID# KY04804 Regulated Contaminant Test Results Contaminant code] (units) MCL MCLG Range of Detection Date of Sample Violation Contamination Disinfection Byproducts and Pre- code] (units) MRDL = 4 MRDLG = 4 1.67 (highest average) 0.65 to 2.2 2022 No Water additive used to control microbes. AAA (ppb) (Stage 2) (AAnual Sample) 60 N/A (high site) 12 to 12 2022 No Byproduct of drinking water disinfection Critical trihalomethanes] 80 N/A 15 to 15 2022 No Byproduct of drinking water disinfection.	Household Plumbing C	ontamina	nts								
ites exceeding action level 0 1.3 1.3 (90 th percentile) 0 to 0.012 Sep-21 No Correston of household plumbin systems BLACK MOUNTAIN UTILITY DISTRICT - LOUELLEN PWSID# KY04804 Regulated Contaminant Test Results Contaminant code] (units) MCL MCLG Range of Detection Date of Sample Violation Contamination Disinfection Byproducts and Pre- code] (units) MRDL = 4 MRDLG = 4 1.67 (highest average) 0.65 to 2.2 2022 No Water additive used to control microbes. AAA (ppb) (Stage 2) (AAnual Sample) 60 N/A (high site) 12 to 12 2022 No Byproduct of drinking water disinfection Critical trihalomethanes] 80 N/A 15 to 15 2022 No Byproduct of drinking water disinfection.	Copper [1022] (ppm)	AL =							G . G		
0 precentile 1 systems BLACK MOUNTAIN UTILITY DISTRICT - LOUELLEN PWSID# KY04804 Regulated Contaminant Test Results Contaminant code] (units) MCL MCLG Report Level Range of Detection Date of Sample Violation Likely Source of Contamination Disinfectants/Disinfection Byproducts and Precursors I.1 0.65 to 2.2 2022 No Water additive used to control microbes. Chlorine MRDL ppm) = 4 = 4 1.67 (highest average) 0.65 to 2.2 2022 No Water additive used to control microbes. Haloacetic acids] 60 N/A 12 (high site) 12 to 12 (range of individual sites) 2022 No Byproduct of drinking water disinfection TTHM (ppb) (Stage 2) total trihalomethanes] 80 N/A 15 (high site) 15 to 15 2022 No Byproduct of drinking water disinfection.	sites exceeding action level	1.3	1.3	(90 th	0 to	0.012	Sep-21	No			
BLACK MOUNTAIN UTILITY DISTRICT - LOUELLEN PWSID# KY04804 Regulated Contaminant Test Results Contaminant MCL MCLG Report Level Range of Detection Date of Sample Violation Likely Source of Contamination code] (units) MCL MCLG Report Level of Detection Sample Violation Likely Source of Contamination Disinfectants/Disinfection Byproducts and Precursors	0			percentile)			Ŷ		systems		
Regulated Contaminant Test Results Contaminant code] (units) MCL MCLG Report Level Range of Detection Date of Sample Violation Likely Source of Contamination Disinfectants/Disinfection Byproducts and Precursors			DIGTRICT		ENI				DIVOID# 17370 400 1		
Contaminant code] (units) MCL MCLG Report Level Range of Detection Date of Sample Violation Likely Source of Contamination Disinfectants/Disinfection Byproducts and Pre- trusses No MRDL = 4 MRDLG = 4 1.67 (highest average) 0.65 to 2.2 2022 No Water additive used to control microbes. HAA (ppb) (Stage 2) Annual Sample) 60 N/A 12 (high site) 12 2022 No Byproduct of drinking water disinfection TTHM (ppb) (Stage 2) total trihalomethanes] 80 N/A 15 (high site) 15 to 15 2022 No Byproduct of drinking water disinfection.				- LOUELI	JEN				PWSID# KY04804		
MCLMCLGLevelof DetectionSampleViolationContaminationDisinfectants/DisinfectionByproduct of drinking water disinfection1.67 (highest0.65 average)2.22022NoWater additive used to control microbes.HAA (ppb) (Stage 2) Haloacetic acids]60N/A12 (high site)12 (range of individual sites)2022NoByproduct of drinking water disinfectionTTHM (ppb) (Stage 2) total trialomethanes]80N/A15 (high site)15 to152022NoByproduct of drinking water disinfection.		t Test Res	sults				r	1			
code (units) Level of Detection Sample Contamination Disinfectants/Disinfection Byproducts and Preurosors Contamination Contamination Chlorine MRDL MRDLG 1.67 0.65 to 2.2 2022 No Water additive used to control microbes. ppm) =4 =4 1.67 0.65 to 2.2 2022 No Water additive used to control microbes. AAA (ppb) (Stage 2) Annual Sample) 60 N/A (high site) 12 to 12 2022 No Byproduct of drinking water disinfection TTHM (ppb) (Stage 2) 80 N/A (high site) 15 to 15 2022 No Byproduct of drinking water disinfection.	Contaminant	MCL	MCLG	Report		•	Date of	Violation	Likely Source of		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	[code] (units)			Level	of Det	ection	Sample	· ····	Contamination		
ppm) = 4 = 4 (highest average) 0.65 to 2.2 2022 No Water additive used to control microbes. HAA (ppb) (Stage 2) Haloacetic acids] 60 N/A 12 (high site) 12 2022 No Byproduct of drinking water disinfection TTHM (ppb) (Stage 2) total trihalomethanes] 80 N/A 15 (high site) 15 to 15 2022 No Byproduct of drinking water disinfection.	Disinfectants/Disinfecti	on Bypro	ducts and Pr	ecursors							
ppm) = 4 = 4 (highest average) 0.65 to 2.2 2022 No Water additive used to control microbes. HAA (ppb) (Stage 2) Haloacetic acids] 60 N/A 12 (high site) 12 2022 No Byproduct of drinking water disinfection TTHM (ppb) (Stage 2) total trihalomethanes] 80 N/A 15 (high site) 15 to 15 2022 No Byproduct of drinking water disinfection.	Chlorine	MRDL	MRDLG	1.67							
Image: A set of a set					0.65 to	2.2	2022	No			
IAA (ppb) (Stage 2) 60 N/A 12 12 to 12 2022 No Byproduct of drinking water disinfection Annual Sample) 60 N/A 15 12 to 15 2022 No Byproduct of drinking water disinfection TTHM (ppb) (Stage 2) 80 N/A 15 15 to 15 2022 No Byproduct of drinking water disinfection.	4.4 /	l .							microbes.		
Haloacetic acids] 60 N/A (high site) 12 to 12 2022 No Byproduct of drinking water disinfection Annual Sample) 15 (range of individual sites) 2022 No Byproduct of drinking water disinfection TTHM (ppb) (Stage 2) 15 15 total trihalomethanes] 80 N/A (high site) 15 total trihalomethanes Supproduct of drinking water disinfection.	HAA (nnh) (Stage 2)										
Haloacetic acids] 60 N/A (high site) 12 to 12 2022 NO disinfection Annual Sample) (range of individual sites) (range of individual sites) 10 10 10 10 TTHM (ppb) (Stage 2) 15 15 to 15 2022 No Byproduct of drinking water disinfection.		0			10	40	2022	NT-	Byproduct of drinking water		
TTHM (ppb) (Stage 2) total trihalomethanes] 80 N/A (high site) 15 to 15 2022 No Byproduct of drinking water disinfection.		60	N/A	(high site)			2022	INO			
total trihalomethanes] 80 N/A (high site) 15 to 15 2022 No Byproduct of drinking water disinfection.			ļ		(range of ind	ividual sites)					
total trihalomethanes] 80 N/A (high site) 15 to 15 2022 NO disinfection.	TTHM (ppb) (Stage 2)		1	15				1	Byproduct of drinking water		
		1 00	N1/A	1 4 1 1 2 2	1	1.5	2022	NL-	SJProduct of armking water		
	[total trinalomethanes]	80	IN/A	(nigh site)	15 to	15	2022	INO	disinfection.		

				GRE	EN HILI	LS CUST	OMERS				
P - PINEVILLE WATER SYSTEM (PWSID# KY0070353) H - HARLAN WATER WORKS (PWSID# KY04801											
Regulated Contaminan	t Test Re	sults									
Contaminant			rce	Report	Range		Date of		Likely Source of		
[code] (units)	MCL	MCLG	Source	Level	of D	etection	Sample	Violation	Contamination		
Inorganic Contaminan	ts										
Barium			P=	0.008	0.008 t	o 0.008	Apr-22	No			
[1010] (ppm)	2	2	H=	0.046	0.046 t	o 0.046	Aug-22	No	Drilling wastes; metal refineries; erosion of natural deposits		
Fluoride			P=	0.71	0.71 t	o 0.71	Apr-22	No			
[1025] (ppm)	4	4	H=	0.73	0.73 t	o 0.73	Aug-22	No	Water additive which promotes strong teeth		
Disinfection Byproduct	ts Precurs	or									
Total Organic Carbon (ppm)			P=	1.02	1.00 t	o 4.13	2022	No			
(report level=lowest avg.	TT*	N/A	H=	1.09	1.00 t	o 1.73	2022	No	Naturally present in environment.		
range of monthly ratios)											
*Monthly ratio is the % TOC r	emoval achie	eved to the %	TOC r	emoval requ	ired. Annual	average must b	e 1.00 or greate	r for complia	ince.		
Other Constituents											
Turbidity (NTU) TT	Allo	owable	Source	Higł	nest Single	Lowest					
* Representative samples	L	evels	Sot	Mea	surement	Monthly %	Violation		Likely Source of Turbidity		
Turbidity is a measure of the	No more th	an 1 NTU*	P=		0.09 100		No				
clarity of the water and not a	Less than 0	.3 NTU in	H=		0.27	100	No		Soil runoff		
contaminant.	95% month	nly samples									
BLACK MOUNTAIN	UTILITY	DISTRIC	T - (GREEN I	HILLS				PWSID# KY0480341		
Regulated Contaminan	t Test Re	sults	_						-		
Contaminant	MCL	MCLG	Do	port Level	Range		Range		Date of	Violation	Likely Source of
[code] (units)	MCL	MCLG	Re	port Level	of D	etection	Sample	violation	Contamination		
Disinfectants/Disinfect	ion Bypro	ducts					•		•		
Chlorine	MRDL	MRDLG		1.23							
(ppm)	= 4	= 4		(highest	0.51 t	o 2.01	2022	No	Water additive used to control microbes.		
			6	average)							
HAA (ppb) (Stage 2)				29							
[Haloacetic acids]	60	N/A	(high site	14 t	o 40	2022	No	Byproduct of drinking water disinfection		
			8	average)	(range of ir	ndividual sites)					
TTHM (ppb) (Stage 2)				50							
[total trihalomethanes]	80	N/A	(high site	18 t	o 96	2022	No	Byproduct of drinking water disinfection.		
			Ì	average)	(range of individual sites)				_		
Household Plumbing C	ontamina	nts							·		
Copper [1022] (ppm)	AL =			0.0960							
sites exceeding action level	1.3	1.3		(90 th	0 t	o 0.13	Jun-22	No	Corrosion of household plumbing systems		
0			p	ercentile)							
Lead [1030] (ppb)	AL =			4							
sites exceeding action level	15	0		(90 th	0 t	o 6	Jun-22	No	Corrosion of household plumbing systems		
0			p	ercentile)							