2021 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)



Table of Contents

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

Black Mountain Utility District 2020 Water Quality Report

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Address: 609 Four Mile Road Baxter, KY 40806

Meetings: Utility District Office / Second Tuesday each month at 4:00 pm

Email: blkmt@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,

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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, Dayhoit, 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 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).

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

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 no 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.

Regulated Contaminant	t Test Res	sults		HARLAN	MUNIC	IPAL WAT	TER WOF	KS (PWSID# KY0480178)		
Contaminant	MCL	MCLG	Report	Rang	e	Date of	Violation	Likely Source of		
[code] (units)			Level	of Detec	tion	Sample		Contamination		
Inorganic Contaminants										
Barium								B. 311		
[1010] (ppm)	2	2	0.046	0.046 to	0.046	Aug-21	No	Drilling wastes; metal refineries; erosion of natural deposits		
Fluoride										
[1025] (ppm)	4	4	0.73	0.73 to	0.73	Aug-21	No	Water additive which promotes strong teeth		
Disinfection Byproduct	Precurso	r								
Total Organic Carbon (ppm)			1.02							
(measured as ppm, but	TT*	N/A	(lowest	1 to	1.4	2021	No	Naturally present in environment.		
reported as a ratio)			average)	(monthly i	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

Turbidity (NTU) TT	Allowable	Highest Single	Lowest	Violation	Likely Source of Turbidity	
* Representative samples	Levels	Measurement	Monthly %	Violation		
Turbidity is a measure of the	No more than 1 NTU*					
clarity of the water and not a contaminant.	Less than 0.3 NTU in	0.28	100	No	Soil runoff	
contaminant.	95% of monthly samples					

BLACK MOUNTAIN U	BLACK MOUNTAIN UTILITY DISTRICT - COXTON PWSID# KY0480265										
Regulated Contaminant	Test Res	sults									
Contaminant	MCL	MCLG	Report	_		Date of	Violation	Likely Source of			
[code] (units)	MCL	MCLG	Level			Sample	violation	Contamination			
Disinfectants/Disinfection	on Bypro	ducts and Pr	ecursors								
Chlorine	MRDL	MRDLG	0.68					Water additive used to control			
(ppm)	= 4	= 4	(highest	0.36 to	0.89	2021	No	microbes.			
			average)					inicrobes.			
HAA (ppb) (Stage 2)			26					B 1			
[Haloacetic acids]	60	N/A	(high site	6 to	37	2021	No	Byproduct of drinking water disinfection			
			average)	(range of individ	ual sites)			districction			
TTHM (ppb) (Stage 2)			51					D 1 4 61:1:			
[total trihalomethanes]	80	N/A	(high site	16 to	94	2021	No	Byproduct of drinking water disinfection.			
			average)	(range of individ	ual sites)			distriction.			
Household Plumbing Co	ontamina	nts									
Copper [1022] (ppm)	AL =		0.0085								
sites exceeding action level	1.3	1.3	(90 th	0.007 to	0.009	Aug-21	No	Corrosion of household plumbing systems			
0			percentile)					Systems			

Violation: Consumer Confidence Report Rule (Violation #2022-9950519)

We received a violation for failing to distribute the 2020 Consumer Confidence Report (CCR) to our customers by July 1, 2021. We notified our customers of the online availability of the 2020 CCR, however the web link did not launch the report. This has been resolved and the 2020 CCR can be viewed at www.krwa.org/ccr/bmud.pdf. Additionally, paper copies of the 2020 report are still available at our office. We initiated an administrative procedure to assure that future online web links will be correct before the customer notice is distributed. We will be returned to compliance with the CCR Rule upon successful distribution and certification of the 2021 CCR.

BLACK MOUNTAIN U	BLACK MOUNTAIN UTILITY DISTRICT - DAYHOIT PWSID# KY0480277										
Regulated Contaminant	Test Res	sults									
Contaminant	MCL	MCLG	Report		Rang	e	Date of	Violation	Likely Source of		
[code] (units)	MCL	MCLG	Level	of Detection			Sample	violation	Contamination		
Disinfectants/Disinfection	on Bypro	ducts and Pr	ecursors								
Chlorine	MRDL	MRDLG	1.02						Water additive used to control		
(ppm)	= 4	= 4	(highest	0.69	to	1.31	2021	No	microbes.		
			average)						inici occsi		
HAA (ppb) (Stage 2)			25						D 1 (61:1:		
[Haloacetic acids]	60	N/A	(high site	13	to	41	2021	No	Byproduct of drinking water disinfection		
			average)	(range	of indiv	idual sites)					
TTHM (ppb) (Stage 2)			47						Demon deset of deigling content		
[total trihalomethanes]	80	N/A	(high site	18	to	92	2021	No	Byproduct of drinking water disinfection.		
			average)	(range	of indiv	idual sites)			districction.		
Household Plumbing Co	ontamina	nts									
Copper [1022] (ppm)	AL =		0.016						6 . 6 . 111.1.1.		
sites exceeding action level	1.3	1.3	(90 th	0	to	0.267	Aug-21	No	Corrosion of household plumbing systems		
0			percentile)						systems		
Lead [1030] (ppb)	AL =		0						G : (1 111 1 1:		
sites exceeding action level	15	0	(90th	0	to	3	Aug-21	No	Corrosion of household plumbing systems		
0			percentile)						Systems		

Violation: Consumer Confidence Report Rule (Violation #2022-9610203)

We received a violation for failing to distribute the 2020 Consumer Confidence Report (CCR) to our customers by July 1, 2021. We notified our customers of the online availability of the 2020 CCR, however the web link did not launch the report. This has been resolved and the 2020 CCR can be viewed at www.krwa.org/ccr/bmud.pdf Additionally, paper copies of the 2020 report are still available at our office. We initiated an administrative procedure to assure that future online web links will be correct pefore the customer notice is distributed. We will be returned to compliance with the CCR Rule upon successful distribution and certification of the 2021 CCR.

BLACK MOUNTAIN U	JTILITY	DISTRICT -	ROSSPO	INT					PWSID# KY0480650		
Regulated Contaminant Test Results											
Contaminant	MCL	MCLG	Report		Range	e	Date of	Violation	Likely Source of		
[code] (units)	MCL	MCLG	Level	c	f Detec	tion	Sample	violation	Contamination		
Disinfectants/Disinfection Byproducts and Precursors											
Chlorine	MRDL	MRDLG	1.00						Water additive used to control		
(ppm)	= 4	= 4	(highest	0.84	to	1.21	2021	No	microbes.		
			average)						inicroses.		
HAA (ppb) (Stage 2)			24						B 1		
[Haloacetic acids]	60	N/A	(high site	10	to	42	2021	No	Byproduct of drinking water disinfection		
			average)	(range	of indivi	dual sites)			districction		
TTHM (ppb) (Stage 2)			44						D 1 (C1:1: (
[total trihalomethanes]	80	N/A	(high site	16	to	63	2021	No	Byproduct of drinking water disinfection.		
			average)	(range	of indivi	dual sites)			disiniconon.		

Violation: Consumer Confidence Report Rule (Violation #2022-9610817)

We received a violation for failing to distribute the 2020 Consumer Confidence Report (CCR) to our customers by July 1, 2021. We notified our customers of the online availability of the 2020 CCR, however the web link did not launch the report. This has been resolved and the 2020 CCR can be viewed at www.krwa.org/ccr/bmud.pdf. Additionally, paper copies of the 2020 report are still available at our office. We initiated an administrative procedure to assure that future online web links will be correct before the customer notice is distributed. We will be returned to compliance with the CCR Rule upon successful distribution and certification of the 2021 CCR.

BLACK MOUNTAIN U	JTILITY	DISTRICT -	- SUKEY	RIDGE	,				PWSID# KY0480461		
Regulated Contaminant Test Results											
Contaminant	MCL	MCLG	Report		Range	e	Date of	Violation	Likely Source of		
[code] (units)	MCL	MCLG	Level	(f Detec	tion	Sample	violation	Contamination		
Disinfectants/Disinfection Byproducts and Precursors											
Chlorine	MRDL	MRDLG	0.99						Water additive used to control		
(ppm)	= 4	= 4	(highest	0.83	to	1.17	2021	No	microbes.		
			average)						inicrobes.		
HAA (ppb) (Stage 2)			28						B 1		
[Haloacetic acids]	60	N/A	(high site	9	to	41	2021	No	Byproduct of drinking water disinfection		
			average)	(range	of indivi	dual sites)			districction		
TTHM (ppb) (Stage 2)			49						D 1 4 61:1:		
[total trihalomethanes]	80	N/A	(high site	17	to	85	2021	No	Byproduct of drinking water disinfection.		
			average)	(range	of indivi	dual sites)			distinection.		

Violation: Consumer Confidence Report Rule (Violation #2022-9610618)

We received a violation for failing to distribute the 2020 Consumer Confidence Report (CCR) to our customers by July 1, 2021. We notified our customers of the online availability of the 2020 CCR, however the web link did not launch the report. This has been resolved and the 2020 CCR can be viewed at www.krwa.org/ccr/bmud.pdf. Additionally, paper copies of the 2020 report are still available at our office. We initiated an administrative procedure to assure that future online web links will be correct before the customer notice is distributed. We will be returned to compliance with the CCR Rule upon successful distribution and certification of the 2021 CCR.

BLACK MOUNTAIN U	JTILITY	DISTRICT -	- WALLIN	NS					PWSID# KY0480572	
Regulated Contaminant	Test Res	sults								
Contaminant	MCL	MCLG	MCLG	Report		Rang	e	Date of	Violation	Likely Source of
[code] (units)	MCL	MCLG	Level	of Detection		Sample	Violation	Contamination		
Disinfectants/Disinfection	on Bypro	ducts and Pr	ecursors							
Chlorine	MRDL	MRDLG	1.00						Water additive used to control	
(ppm)	= 4	= 4	(highest	0.77	to	1.27	2021	No	microbes.	
			average)						inici occi.	
HAA (ppb) (Stage 2)			24						D 1 4 61:1:	
[Haloacetic acids]	60	N/A	(high site	14	to	41	2021	No	Byproduct of drinking water disinfection	
			average)	(range	of indiv	idual sites)			disinection	
TTHM (ppb) (Stage 2)			46						Daniel de la deservación dela deservación de la deservación de la deservación de la deservación dela deservación de la d	
[total trihalomethanes]	80	N/A	(high site	17	to	78	2021	No	Byproduct of drinking water disinfection.	
			average)	(range	of indiv	idual sites)			distriction.	
Household Plumbing Co	ontamina	nts								
Copper [1022] (ppm)	AL =		0.011			<u> </u>			Cifhh-ldhhin-	
sites exceeding action level	1.3	1.3	(90 th	0	to	0.027	Aug-21	No	Corrosion of household plumbing systems	
0			percentile)						S,Stella S	

Violation: Consumer Confidence Report Rule (Violation #2022-8930633)

We received a violation for failing to distribute the 2020 Consumer Confidence Report (CCR) to our customers by July 1, 2021. We notified our customers of the online availability of the 2020 CCR, however the web link did not launch the report. This has been resolved and the 2020 CCR can be viewed at www.krwa.org/ccr/bmud.pdf. Additionally, paper copies of the 2020 report are still available at our office. We initiated an administrative procedure to assure that future online web links will be correct before the customer notice is distributed. We will be returned to compliance with the CCR Rule upon successful distribution and certification of the 2021 CCR.

		KENVI	R AND	LOUELI	LEN CUS	TOMERS	S		
EVARTS MUNICIPAI	WATE	R WORKS						PWSID# 04801	
Regulated Contaminan	t Test Re	sults							
Contaminant [code] (units)	MCL	MCLG	Report Level		inge tection	Date of Sample	Violation	Likely Source of Contamination	
Inorganic Contaminant	s		•	•		•	•	•	
Barium [1010] (ppm)	2	2	0.282	0.282 to	0.282	Aug-20	No	Drilling wastes; metal refineries; erosion of natural deposits	
Fluoride [1025] (ppm)	4	4	0.40	0.4 to	0.4	Aug-20	No	Water additive which promotes strong teeth	
Disinfection Byproduct	Precurso	r	I.	I			ı	ļ.	
Total Organic Carbon (ppm) (measured as ppm, but reported as a ratio)	TT*	N/A	1 (lowest average)	1.00 to	1.00 ly ratios)	2020	No	Naturally present in environment	
*Monthly ratio is the % TOC re	moval achie	ved to the % TOO	removal req	uired. Annual	average must be	1.00 or greate	er for complia	nce.	
Other Constituents					-				
Turbidity (NTU) TT * Representative samples		lowable Levels	Highest Single Lowest Measurement Monthly % Violation Likely Source of Tu					Likely Source of Turbidity	
Furbidity is a measure of the clarity of the water and not a contaminant.	No more the Less than 0 95% of mo		().29	100	No		Soil runoff	

BLACK MOUNTAIN I	JTILITY	DISTRICT	- KENVIF	}			PWSID# KY0480603	
Regulated Contaminant	t Test Re	sults						
Contaminant	MCL	MCLG	MCLC Report Range	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	1.88				Water additive used to control	
(ppm)	= 4	= 4	(highest	0.91 to 2.06	2021	No.	microbes.	
			average)				incroses.	
HAA (ppb) (Stage 2)			21				Dames done of deigling control	
[Haloacetic acids]	60	N/A	(high site	1 to 42	2021	I No	Byproduct of drinking water disinfection	
			average)	(range of individual sites)			distribution	
TTHM (ppb) (Stage 2)			36				D 1 (61:1: (
[total trihalomethanes]	80	N/A	(high site	5 to 84	2021		Byproduct of drinking water disinfection.	
			average)	(range of individual sites)			disinfection.	
Household Plumbing Co	ontamina	nts						
Copper [1022] (ppm)	AL =		0.011				6 : 61 1.11.1.11	
sites exceeding action level	1.3	1.3	(90 th	0 to 0.012	Sep-21	No	Corrosion of household plumbing systems	
0			percentile)				systems	

Violation: Consumer Confidence Report Rule (Violation #2022-9610417)

We received a violation for failing to distribute the 2020 Consumer Confidence Report (CCR) to our customers by July 1, 2021. We notified our customers of the online availability of the 2020 CCR, however the web link did not launch the report. This has been resolved and the 2020 CCR can be viewed at www.krwa.org/ccr/bmud.pdf. Additionally, paper copies of the 2020 report are still available at our office. We initiated an administrative procedure to assure that future online web links will be correct before the customer notice is distributed. We will be returned to compliance with the CCR Rule upon successful distribution and certification of the 2021 CCR.

BLACK MOUNTAIN	UTILITY	DISTRICT	- LOUEL	LEN					PWSID# KY0480498	
Regulated Contaminar	t Test Re	sults								
Contaminant	MCL	MCLG	Report		Rang	e	Date of	Violation	Likely Source of	
[code] (units)	MCL	MCLG	Level		of Detec	tion	Sample	Contamination		
Disinfectants/Disinfect	ion Bypro	ducts and Pr	ecursors							
Chlorine	MRDL	MRDLG	1.72						Water additive used to control	
(ppm)	= 4	= 4	(highest	1.41	to	2.06	2021	No	microbes.	
			average)						microses.	
HAA (ppb) (Stage 2)			34						D 1 (C1'1'	
[Haloacetic acids]	60	N/A	(high site)	20	to	34	2021	No	Byproduct of drinking water disinfection	
(Annual Sample)				(range	of indivi	idual sites)			distriction	
TTHM (ppb) (Stage 2)			34						D 1 (C1'1'	
[total trihalomethanes]	80	N/A	(high site)	33	to	34	2021	No	Byproduct of drinking water disinfection.	
(Annual Sample)				(range	of indivi	idual sites)			disinfection.	

Violation: Consumer Confidence Report Rule (Violation #2022-9639721)

We received a violation for failing to distribute the 2020 Consumer Confidence Report (CCR) to our customers by July 1, 2021. We notified our customers of the online availability of the 2020 CCR, however the web link did not launch the report. This has been resolved and the 2020 CCR can be viewed at www.krwa.org/ccr/bmud.pdf. Additionally, paper copies of the 2020 report are still available at our office. We initiated an administrative procedure to assure that future online web links will be correct before the customer notice is distributed. We will be returned to compliance with the CCR Rule upon successful distribution and certification of the 2021 CCR.

	GREEN HILLS CUSTOMERS											
P - PINEVILLE WATE	R SYST	EM (PWSI	D# I	XY007035	53)			H - HA	RLAN W	ATER WORKS (PWSID# KY0480178)		
Regulated Contaminant	Test Res	sults								· ·		
Contaminant	MCL	MCLG	rce	Report		Ran	ge	Date of	Violation	Likely Source of		
[code] (units)	MCL	MCLG	Source	Level of Detection		ection	Sample	Violation	Contamination			
Inorganic Contaminants												
Barium			P=	0.008	0.008	to	0.008	Apr-21	No	D. 111		
[1010] (ppm)	2	2	H=	0.046	0.046	to	0.046	Aug-21	No	Drilling wastes; metal refineries; erosion of natural deposits		
Fluoride			P=	0.71	0.71	to	0.71	Apr-21	No			
[1025] (ppm)	4	4	Н=	0.73	0.73	to	0.73	Aug-21	No	Water additive which promotes strong teeth		
Synthetic Organic Contaminants including Pesticides and Herbicides												
Di(2-ethylhexyl)phthalate												
[2039] (ppb)	6	0	P=	1.667	BDL	to	5	Apr-21	No	Discharge from rubber and chemical factories		
Disinfection Byproducts	Precurs	or							1			
Total Organic Carbon (ppm)			P=	1.00	1.00	to	1.04	2021	No			
(report level=lowest avg.	TT*	N/A	H=	1.02	1.00	to	1.40	2021	No	Naturally present in environment.		
range of monthly ratios)												
*Monthly ratio is the % TOC re-	moval achie	ved to the %	ΓOC r	emoval requ	ired. Annua	l ave	erage must be	1.00 or greater	for compliar	ice.		
Other Constituents												
Turbidity (NTU) TT	Allo	owable	rce	High	est Single		Lowest	Violation				
* Representative samples	L	evels	Source	Mea	surement		Monthly %	Violation	Likely Source of Turbidity			
Turbidity is a measure of the	No more th	an 1 NTU*	P=	0	.082		100	No				
clarity of the water and not a	Less than 0	.3 NTU in	H=	(0.28		100	No		Soil runoff		
contaminant.	95% month	nly samples										

BLACK MOUNTAIN UTILITY DISTRICT - GREEN HILLS Regulated Contaminant Test Results PWSID# KY0480341									
[code] (units)	Sample	Contamination							
Disinfectants/Disinfection	on Bypro	ducts							
Chlorine	MRDL	MRDLG	1.17						
(ppm)	= 4	= 4	(highest	0.68	to	1.57	2021	No	Water additive used to control microbes.
			average)						
HAA (ppb) (Stage 2)			43						
[Haloacetic acids]	60	N/A	(high site	16	to	38	2021	No	Byproduct of drinking water disinfection
			average)	(range o	of indiv	ridual sites)			
TTHM (ppb) (Stage 2)			49						
[total trihalomethanes]	80	N/A	(high site	15	to	45	2021	No	Byproduct of drinking water disinfection.
			average)	(range o	of indiv	ridual sites)			
Household Plumbing C	ontamina	nts							
Copper [1022] (ppm)	AL =		0.0109						
sites exceeding action level	1.3	1.3	(90 th	0	to	0.0567	Jun-19	No	Corrosion of household plumbing systems
0			percentile)						
Lead [1030] (ppb)	AL =		0						
sites exceeding action level	15	0	(90 th	0	to	5	Jun-19	No	Corrosion of household plumbing systems
0			percentile)						

Violation: Consumer Confidence Report Rule (Violation #2022-9604316)

We received a violation for failing to distribute the 2020 Consumer Confidence Report (CCR) to our customers by July 1, 2021. We notified our customers of the online availability of the 2020 CCR, however the web link did not launch the report. This has been resolved and the 2020 CCR can be viewed at www.krwa.org/ccr/bmud.pdf. Additionally, paper copies of the 2020 report are still available at our office. We initiated an administrative procedure to assure that future online web links will be correct before the customer notice is distributed. We will be returned to compliance with the CCR Rule upon successful distribution and certification of the 2021 CCR.