

9509 Diggs Gap Road, Heiskell, TN 37754

865-512-7628

Fax 865-512-1492

Via Electronic To Water.Permits@tn.gov & DWRWater.Compliance@tn.gov

Certified Mail Return Receipt #7012 1010 0002 8165 4730 Return Receipt #9590 9402 5563 9249 0806 72

January 4, 2021

State of Tennessee
Tennessee Deptartment of Environment & Conservation TN. DEPT. OF ENV. & CONSERVATION
Division of Water Resources
Drinking Water Unit
William R. Snodgrass-Tennessee Tower
312 Rosa L. Parks Avenue, 11th Floor
Nashville, TN 37243-1102
DIVISION OF WATER RESOURCES

RE: BWI Midway, LLC Quarry
Injection Well Annual Sampling - Calendar Year 2020
UIC File KNX 0000064, NPDES TN0031089

To Whom It May Concern:

The BWI Midway, LLC Quarry is located near Mascot, Knox County, Tennessee. Enclosed are the sample results and analytical reports for the Year 2020 sampling. The samples were taken at injection points IW1 and IW3. Point IW2 was inactive in 2020 and future sample point IW4 has not been activated due to lack of mining activity which would affect its location. Samples were collected and anlayzed per the representative sampling table in Authorization KNX0000064 issued September 11, 2018.

If you have any questions concerning this correspondence, please contact me at 865-512-7628 or whillis@bluewaterindustries.com.

Sincerely,

Walt Hillis

Welt Hillie

Environmental Manager

Enclosures

Division of Water Resources - Surface Mining Section

Discharge	Monitoring	Report	(DMR)

Permittee Name:	BWI Midway, LLC - Midway Quarry					NPDES #:	KNX0000064 & TN0031089					
Address:	9509 Dig	gs Gap F	Road			-	Site # / Name:	Midway	Midway Quarry			
City, State, Zip;	Heiskell,	TN 3775	4			·	Outfall #:	IW1 & C				
Phone Number:	(865) 512	2-7628				= =	Rec. Stream:	Holston	River			
							County:	Knox				
Parameter	Flow	рН	TSS	TDS	Lead	Iron						
minimum		6.0				The same						
maximum	A STATE OF	9.0	40.0	500.0	Report	Report						
average		S1 (5 K)					l					
units	gpm	s.u.	mg/L	mg/L			1					
frequency	2 / mo	2 / mo	2 / mo	1/yr								
sample type	est.	grab	grab	grab	grab	grab						
Date												
12/3/2020	5.0	7.86	<5.0	394.0	<0.0900	<0.0120						
Average		W-N								1 S V	LOUIS Q	
Maximum	5.0	7.9	0.0								7	12 14
Minimum	a needs	7.9	Z5 117		S 731"				10 V 2 7 F	185.53		rinter &
Violations				12 15	1 4	Hu-743		N HERE	September 1	-	Tiller"	SIMIL W

Name of Company(s) Collecting Samples and/or Performing Analyses:

BWI; Microbac Laboratories, Inc.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 33 USC §1318; 40 CFR 125,27. (Penalties under these statues may include fines not to exceed \$10,000 per day of violation, or in criminal penalties not to exceed \$25,000 per day of violation, or by imprisonment for not more than one year, or by both.)

Walt Hillis, Environmental Manager	What Ilo	1/4/2021
Name & Title of Responsible Official	Signature	Date

Division of Water Resources - Surface Mining Section

Discharge Monitoring Report (DMR)

Permittee Name:	BWI Mids	vav. LLC	- Midway	Quarry			NPDES #:	KNX0000	0064 & TN00310	089
Address:	9509 Dig	as Gap F	Road				Site # / Name:	Midway (
City, State, Zip:	Heiskell,	TN 3775	4				Outfall #:	IW2	, and a	
Phone Number:	(865) 512						Rec. Stream:		ature in vicinity o	of Holston River
,						-	County:	Knox		
Parameter	Flow	pН	TSS	TDS	Lead	Iron				
minimum	True I	6.0	a za Sa U							
maximum		9.0	40.0	500.0	Report	Report		l l		
average		OF THE REAL PROPERTY.					1	ı		
units	gpm	S.U.	mg/L	mg/L				ı		
frequency	2 / mo	2 / mo	2/mo	1/yr			1	ľ		
sample type	est.	grab	grab	grab	grab	grab				
Date	-				Ť					
01/01/2020-12/31/2020	ND		†					1 1		
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Average				-44					1000 100	
Maximum	0.0	0.0	0.0					W. 17		
Minimum	W	0.0	OL RUEN							
Violations				20. 11.00	200			1 10 m V	(12.70)	

Name of Company(s) Collecting Samples and/or Performing Analyses:

BWI; Microbac Laboratories, Inc.

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Walt Hillis, Environmental Manager	Walt // so	1/4/2021
Name & Title of Responsible Official	Signature	Date

Division of Water Resources - Surface Mining Section

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Disabassa Manitoria - Donat (DMD)				
Discharge Monitoring Report (DMR)				

Permittee Name:			N. 42-4	0			NDDEC #	TAIOCOA	000 0 1/1	VV 0000	264	_
	BWI Midv	vay, LLC	- Midway	Quarry			NPDES #:	TN0031089 & KNX 0000064 Midway Quarry				
ddress:	9509 Dig						Site # / Name:					
ity, State, Zip:	Heiskell,		4				Outfall #:		IW3			
hone Number:	(865) 512	2-7628			-		Rec. Stream:	Holston	River			
D	1 6		T = 0.0	700			County:	Knox		_		_
Parameter	Flow	pН	TSS	TDS	Lead	iron						_
inimum		6.0	20 - Th							_		-
aximum		9.0	40.0	500.0	Report	Report						_
/erage							l			1		
nits	gpm	s.u.	mg/L	mg/L			1			.		_
equency	2 / mo	2 / mo	2/mo	1/yr			1					
ample type	est.	grab	grab	grab	grab	grab						
Date												
12/3/2020	1000.0	8.5	<5.0	386.0	<0.0900	<0,0120						
	1								1	1		1
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Maximum	1000.0	8.5	0.0			15" IES	SUBJECT DE LOS	10 30		200		
Minimum		8.5	DAYN III	600110	Value of			11 5 8 1/11	To get to			
Violations					1923					10-		

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 33 USC §1318; 40 CFR 125.27. (Penalties under these statues may include fines not to exceed \$10,000 per day of violation, or in criminal penalties not to exceed \$25,000 per day of violation, or by imprisonment for not more than one year, or by both.)

Walt Hillis, Environmental Manager	What IS &	1/4/2021
Name & Title of Responsible Official	Signature	Date

Division of Water Resources - Surface Mining Section

Discharge	Monitoring	Report	(DMR)
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Permittee Name:	BWI Mid		- Michael	Quarry			NPDES #:	KNIX0000064	& TNIOO3108	9	-
Address:	9509 Dig	as Gan F	Road	Quarry			Site # / Name:	KNX0000064 & TN0031089 Midway Quarry			
City, State, Zip:	Heiskell,	33 Oap r TN 3775	A			=	Outfall #:	IW4			
Phone Number:	(865) 512	7628	7			9	Rec. Stream:	Holston River			
Thoric Number.	(000) 012	7020					County:	Knox			
Parameter	Flow	pН	TSS	TDS	Lead	Iron	County.	MIOX			
minimum	W. 10 =V	6.0	1000								
maximum		9.0	40.0	500.0	Report	Report	•	<u> </u>			
average		0.0	10,0	000.0	rioponi	rtoport					
units	gpm	s.u.	mg/L	mg/L							
frequency	2 / mo	2 / mo	2 / mo	1/уг			i				
sample type	est.	grab	grab	grab	grab	grab					
Date											
01/01/2020-12/31/2020	ND								1 1		
								1 1			
Average	Water State			The state of the s	NEW TIL	avilos I	S BENT LAND		Ta timed		9X 5/6
Maximum	0.0	0.0	0.0						THE COLUMN		3-47
Minimum		0.0	SE LED							SAM	
Violations					i -ला प्र						
Name of Company(s) Collecting	g Samples a	nd/or Perfo	rming Analy	ses:		BWI; Mic	robac Laboratori	es, Inc.			

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 33 USC §1318; 40 CFR 125.27. (Penalties under these statues may include fines not to exceed \$10,000 per day of violation, or in criminal penalties not to exceed \$25,000 per day of violation, or by imprisonment for not more than one year, or by both.)

Walt Hillis, Environmental Manager	Walt I de	1/4/2021
Name & Title of Responsible Official	Signature	Date



Microbac Laboratories, Inc., Maryville

CERTIFICATE OF ANALYSIS

R0L0282

BWI ETN LLC, dba Blue Water Industries

Project Name: Midway

Walt Hillis 9509 Diggs Gap Road Heiskell, TN 37754 Project / PO Number: N/A Received: 12/03/2020 Reported: 12/14/2020

Analytical Testing Parameters

Client Sample ID: IW-1

Sample Matrix: Wastewater Collected By: Walt Hillis

Let Connect ID: Pole 2000 44

Sample Matrix. Wastewater					Collected	•		
Lab Sample ID: R0L0282-01					Collectio	n Date: 12/03/	2020 12:30	
Field Parameters	Result	RL	Units	Dilution	Note	Prepared	Analyzed	Analyst
NA								
pH _j customer	7.86		S.U.	ĩ			12/03/20 1230	AMG
Inorganics Total	Result	RL	Units	Dilution	Note	Prepared	Analyzed	Analyst
SM 2540 C-2011								
Total Dissolved Solids-TDS	394	10.0	mg/L	1		12/08/20 0937	12/09/20 0915	CSN
SM 2540 D-2011								
Total Suspended Solids	<5.0	5.0	mg/L	1		12/09/20 0913	12/09/20 0930	CSN
Metals Total by ICP	Result	RL	Units	Dilution	Note	Prepared	Analyzed	Analyst
EPA 200.7, Rv. 4.4 (1994)								
Iron	<0.0900	0.0900	mg/L	1		12/04/20 2002	12/04/20 2002	cws
Lead	< 0.0120	0.0120	mg/L	1		12/04/20 2002	12/04/20 2002	CWS



Microbac Laboratories, Inc., Maryville

CERTIFICATE OF ANALYSIS

R0L0282

Client Sample ID:

Sample Matrix: Lab Sample ID: Wastewater R0L0282-02 Collected By: **Collection Date:**

Walt Hillis 12/03/2020 11:24

Field Parameters	Result	RL	Units	Dilution	Note	Prepared	Analyzed	Analyst

pH, customer

8.47

<0.0120

S.U.

12/03/20 1224

12/04/20 2027

AMG

Inorganics Total	Result	RL	Units	Dilution	Note	Prepared	Analyzed	Analyst
SM 2540 C-2011								
Total Dissolved Solids-TDS	386	10.0	mg/L	1		12/08/20 0937	12/09/20 0915	CSN

SM 2540 D-2011

Total Suspended Solids

<5.0 5.0 mg/L 12/09/20 0913 12/09/20 0930

12/04/20 2027

CSN

CWS

Metals Total by ICP	Result	RL	Units	Dilution	Note	Prepared	Analyzed	Analyst
EPA 200.7, Rv. 4.4 (1994)								
Iron	< 0.0900	0.0900	mg/L	7		12/04/20 2027	12/04/20 2027	CWS

mg/L

0.0120

Definitions

Lead

mg/L: RL:

Milligrams per Liter

S.U.:

Reporting Limit Standard Units

Report Comments

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at https://www.microbac.com/standard-terms-conditions.

Reviewed and Approved By:

Sarah Griffiths

Sarah Griffiths

Client Relationship Specialist Reported: 12/14/2020 19:35

Microbac Laboratories, Inc.

BWI ETN LLC, dba Blue Water Industries Samples Received on Ice? Yes No N/A Custody Seals Intact? Yes No N/A PM: Sarah Griffiths () Agency/Program: Class V UIC KNX0000064 865-255-4349 Compliance Monitoring? [X] Yes [] No []Results Only []Level 1 []Level 2 []Level 4 []EDD whillis@bluewaterindustries.com and apdept@bluewaterindustries.com Holding Time Them ID Sampler Phone No.: * Matrix Types: Soil/Soild (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)

** Preservative Types: (1) HNO3, (2) H2SO4, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methanol, (7) Sodium Bisulfate, (8) Sodium Thiosulfate, (9) Hexane, (U) Unpreserved Send Invoice via: [] Mail [] Fax [X] e-mail (address) [] Routine (5 to 7 business days, [] RUSH* (notify lab) Turnaround Time Report Type (needed by) PO No.: Jacksonville, FL 32202 Blue Water Industries Address: 200 W Forsyth Street, Suite 1200 Ann Detkova 904 512-7714 Location: Mascot, TN Sampler Signature: Involce Address City, State, Zip: Telephone No.: Client Name: Contact [] Mail [] Fax [X] e-mail (address) Blue Water Industries 9509 Diggs Gap Road Heiskell, TN 37754 whillis, reain (@bluewaterindustries.com) 865-512-7628 Walt Hillis Midway Quarry Sampled by (PRINT): Lab Report Address Send Report via: Talephone No.: City, State, Zip: Client Name: Project Address: Contact

First Sample Date Collected Time Collected 20 Oct										NA PAR	12310	REQUES LED AIMELTSIS			
in sand plant located at upper No. 1230 124 No.	ab 0	Cilent Sample ID	Date Collected	Tme Collected	No. of Containers			+4		(TDS (Total (sbilo2 bevioss)		lron		Ao	ditional Notes
om sand plant tocated at upper ow plant at RR tracks, is focated ND 12 13 120 12 14 hv 13 14 hv 14 15 15 15 15 15 15 15 15 15 15 15 15 15		IW-1 (pump discharge from pit, is quarry NPDES DMP001)	17 3 120	1230 12-						岁	Z	4			
Of Mascot Road) ND 1 NW 0 U X \$ 447 X <td></td> <td>IW-2 (straight pipe from sand plant located at upper and of pond on shop side)</td> <td>Ĩ</td> <td></td>		IW-2 (straight pipe from sand plant located at upper and of pond on shop side)	Ĩ												
		IW-3 (from basin below plant at RR tracks, is located at RR track end of pond, near platform)	राधिक	113					S, 47	·×		×			
[] Hazardous [] Radioactive Sample Disposition [] Dispose as appropriate [] Return [] Archive		IW-4 (sinkhole north of Mascot Road)	MD												
Comparation		H- 65711													
[] Non-Hazardous [] Radioactive Sample Disposition [] Dispose as appropriate [] Return [] Archive Relinquished By (signature) Date/Time Received By (signature) Date/Time Received By (signature) Date/Time Relinquished By (signature) Date/Time Date/Time Received By (signature) Date/Time Date/T		esee:													
[] Hazardous [] Non-Hazardous [] Redinquished By (signature) Date/Time Received By (signature) Date/Time Received By (signature) Date/Time Received By (signature) Date/Time Received By (signature) Date/Time Received By (signature) Date/Time Dat															
Comparations Comp		*153.00	20					_							
Relinquished By (signature) Date/Time Received By (signature) Date/Time (2/3/2020) Relinquished By (signature) Date/Time Received By (signature) Date/Time Date/Time	ossible	[] Hazardous	Non-Hazardous	=		H		Samp	tle Dispositio		spose a	s appropriate		[] Archive	
存ん	оттеп	3 0								_	1000	- Printer	- Constant	DateClime	
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Date/Time Received By (signature)															
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Page