



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 Department of Environment & Conservation  
Division of Water Resources  
Drinking Water Unit  
William R. Snodgrass-Tennessee Tower  
312 Rosa L. Parks Avenue, 11<sup>th</sup> Floor  
Nashville, TN 37243-1102

TN. DEPT. OF ENV. & CONSERVATION

JAN 07 2021

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 analyzed 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  
Environmental Manager

Enclosures

**State of Tennessee - Department of Environment and Conservation**

Division of Water Resources - Surface Mining Section

Discharge Monitoring Report (DMR)

Permittee Name:	<u>BWI Midway, LLC - Midway Quarry</u>	NPDES #:	<u>KNX0000064 &amp; TN0031089</u>
Address:	<u>9509 Diggs Gap Road</u>	Site # / Name:	<u>Midway Quarry</u>
City, State, Zip:	<u>Heiskell, TN 37754</u>	Outfall #:	<u>IW1 &amp; DMP001</u>
Phone Number:	<u>(865) 512-7628</u>	Rec. Stream:	<u>Holston River</u>
		County:	<u>Knox</u>

Parameter	Flow	pH	TSS	TDS	Lead	Iron			
minimum		6.0							
maximum		9.0	40.0	500.0	Report	Report			
average									
units	gpm	s.u.	mg/L	mg/L					
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			
<b>Average</b>									
<b>Maximum</b>	5.0	7.9	0.0						
<b>Minimum</b>		7.9							
<b>Violations</b>									

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  
Name & Title of Responsible Official

  
Signature

1/4/2021  
Date

COMMENTS and VIOLATIONS require a seperate memo to be submitted



# State of Tennessee - Department of Environment and Conservation

Division of Water Resources - Surface Mining Section

Discharge Monitoring Report (DMR)

Permittee Name:	<u>BWI Midway, LLC - Midway Quarry</u>	NPDES #:	<u>TN0031089 &amp; KNX 0000064</u>
Address:	<u>9509 Diggs Gap Road</u>	Site # / Name:	<u>Midway Quarry</u>
City, State, Zip:	<u>Heiskell, TN 37754</u>	Outfall #:	<u>IW3</u>
Phone Number:	<u>(865) 512-7628</u>	Rec. Stream:	<u>Holston River</u>
		County:	<u>Knox</u>

Parameter	Flow	pH	TSS	TDS	Lead	Iron				
minimum		6.0								
maximum		9.0	40.0	500.0	Report	Report				
average										
units	gpm	s.u.	mg/L	mg/L						
frequency	2 / mo	2 / mo	2 / mo	1/yr						
sample type	est.	grab	grab	grab	grab	grab				
<b>Date</b>										
12/3/2020	1000.0	8.5	<5.0	386.0	<0.0900	<0.0120				
<b>Average</b>										
<b>Maximum</b>	1000.0	8.5	0.0							
<b>Minimum</b>		8.5								
<b>Violations</b>										

Name of Company(s) Collecting Samples and/or Performing Analyses: BWI; Microbac Laboratories, Inc.

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Walt Hillis, Environmental Manager  
 Name & Title of Responsible Official

  
 Signature

1/4/2021  
 Date

COMMENTS and VIOLATIONS require a seperate memo to be submitted

# State of Tennessee - Department of Environment and Conservation

Division of Water Resources - Surface Mining Section

Discharge Monitoring Report (DMR)


Permittee Name:	<u>BWI Midway, LLC - Midway Quarry</u>	NPDES #:	<u>KNX0000064 &amp; TN0031089</u>
Address:	<u>9509 Diggs Gap Road</u>	Site # / Name:	<u>Midway Quarry</u>
City, State, Zip:	<u>Heiskell, TN 37754</u>	Outfall #:	<u>IW4</u>
Phone Number:	<u>(865) 512-7628</u>	Rec. Stream:	<u>Holston River</u>
		County:	<u>Knox</u>

Parameter	Flow	pH	TSS	TDS	Lead	Iron							
minimum		6.0											
maximum		9.0	40.0	500.0	Report	Report							
average													
units	gpm	s.u.	mg/L	mg/L									
frequency	2 / mo	2 / mo	2 / mo	1/yr									
sample type	est.	grab	grab	grab	grab	grab							
Date													
01/01/2020-12/31/2020	ND												
<b>Average</b>													
<b>Maximum</b>	0.0	0.0	0.0										
<b>Minimum</b>		0.0											
<b>Violations</b>													

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  
Name & Title of Responsible Official

  
Signature

1/4/2021  
Date

COMMENTS and VIOLATIONS require a separate memo to be submitted





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	Collected By:	Walt Hillis
Sample Matrix:	Wastewater	Collection Date:	12/03/2020 12:30
Lab Sample ID:	R0L0282-01		

Field Parameters	Result	RL	Units	Dilution	Note	Prepared	Analyzed	Analyst
<b>NA</b>								
pH <sub>i</sub> customer	7.86		S.U.	1			12/03/20 1230	AMG
<b>Inorganics Total</b>								
<b>SM 2540 C-2011</b>								
Total Dissolved Solids-TDS	394	10.0	mg/L	1		12/08/20 0937	12/09/20 0915	CSN
<b>SM 2540 D-2011</b>								
Total Suspended Solids	<5.0	5.0	mg/L	1		12/09/20 0913	12/09/20 0930	CSN
<b>Metals Total by ICP</b>								
<b>EPA 200.7, Rv. 4.4 (1994)</b>								
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.

505 East Broadway Avenue | Maryville, TN 37804-5744 | 865-977-1200 p | www.microbac.com



Microbac Laboratories, Inc., Maryville

CERTIFICATE OF ANALYSIS

R0L0282

Client Sample ID: IW-3	Collected By: Walt Hillis
Sample Matrix: Wastewater	Collection Date: 12/03/2020 11:24
Lab Sample ID: R0L0282-02	

Field Parameters	Result	RL	Units	Dilution	Note	Prepared	Analyzed	Analyst
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<b>NA</b>								
pH, customer	8.47		S.U.	1			12/03/20 1224	AMG

Inorganics Total	Result	RL	Units	Dilution	Note	Prepared	Analyzed	Analyst
------------------	--------	----	-------	----------	------	----------	----------	---------

<b>SM 2540 C-2011</b>								
Total Dissolved Solids-TDS	386	10.0	mg/L	1		12/08/20 0937	12/09/20 0915	CSN

<b>SM 2540 D-2011</b>								
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
---------------------	--------	----	-------	----------	------	----------	----------	---------

<b>EPA 200.7, Rv. 4.4 (1994)</b>								
Iron	<0.0900	0.0900	mg/L	1		12/04/20 2027	12/04/20 2027	CWS
Lead	<0.0120	0.0120	mg/L	1		12/04/20 2027	12/04/20 2027	CWS

Definitions

- mg/L: Milligrams per Liter
- RL: Reporting Limit
- S.U.: Standard Units

Report Comments

Reviewed and Approved By:

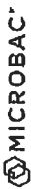
*Sarah Griffiths*

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

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>.

Microbac Laboratories, Inc.

505 East Broadway Avenue | Maryville, TN 37804-5744 | 865-977-1200 p | www.microbac.com



R 0 L 0 2 8 2

BWI ETN LLC, dba Blue Water Industries

PM: Sarah Griffiths

Therm ID

Turnaround Time  
 Routine (5 to 7 business days,  
 RUSH\* (notify lab)

Invoice Address  
Client Name: Blue Water Industries

Lab Report Address  
Client Name: Blue Water Industries

Address: 200 W Forsyth Street, Suite 1200

Address: 9509 Diggs Gap Road

City, State, Zip: Jacksonville, FL 32202

City, State, Zip: Heiskell, TN 37754

Contact: Ann Detkova

Contact: Walt Hillis

Telephone No.: 904 512-7714

Telephone No.: 865-512-7628

Send Invoice via:  Mail  Fax  e-mail (address)

Send Report via:  Mail  Fax  e-mail (address)

whillis,rcain (@bluewaterindustries.com) whillis@bluewaterindustries.com and aptdept@bluewaterindustries.com

Location: Mascot, TN

Project: Midway Quarry

Sampler Signature: *Walt Hillis*

Sampler Signature: *Walt Hillis*

Sampled by (PRINT):

Sampler Phone No.: 865-255-4349

\* Matrix Types: Soil/Solid (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

REQUESTED ANALYSIS

Lab ID	Client Sample ID	Date Collected	Time Collected	No. of Containers	Matrix	Grab / Comp	Preservative Types	TSS	pH (On Site)	TDS (Total Dissolved Solids)	Lead	Iron	Additional Notes
IW-1 (pump discharge from pit, is quarry NPDES DMP001)		12/3/20	12:30 hr	1	WW	G	U	X	7.86	X	X	X	
IW-2 (straight pipe from sand plant located at upper end of pond on shop side)		ND		1	WW	G	U						
IW-3 (from basin below plant at RR tracks, is located at RR track end of pond, near platform)		12/3/20	11:24 hr	1	WW	G	U	X	8.47	X	X	X	
IW-4 (sinkhole north of Mascot Road)		ND		1	WW	G	U						
Possible Hazard Identification <input type="checkbox"/> Hazardous <input type="checkbox"/> Non-Hazardous <input type="checkbox"/> Radioactive <input type="checkbox"/>													
Comments													
Relinquished By (signature) <i>Walt Hillis</i>										Sample Disposition <input type="checkbox"/> Dispose as appropriate <input type="checkbox"/> Return <input type="checkbox"/> Archive			
Date/Time: 12/3/20 12:30 hr										Received By (signature) ALMA		Date/Time: 12/3/20 1400	
Relinquished By (signature)										Received By (signature)		Date/Time	
Relinquished By (signature)										Received By (signature)		Date/Time	