Town of Baileyton W.W.T.P.
6530 Horton Highway
Greeneville, TN 37745
Phone #(423) 234-6911
Fax # (423) 234-5442

NOT Drin King Water Sandy Ritterhouse

January 11, 2022

To; Whom it May Concern

I certify, under penalty of law that the Class B pathogen requirements in 503.32(b) and vector attraction requirements in 503.33(b)(1) or (b) (3) have been met. This determination has been under my supervision in accordance with the system design to insure that qualified personnel properly gather and evaluate the information used to determine that the pathogen and vector attraction requirements have been met. I am aware that there are significant penalties for the false certification including the possibility of fines and imprisonment.

W.W.T.P. Operator

Danny P. Neely

Danny P. Neely

I certify under penalty of law that the management practices in CFR 40 Section 503.14 have been met for the site on which the bulk sewage sludge is applied. This determination has been under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the management practices have been met. I am aware that there are significant penalties for the false certification including the possibility of fines and imprisonment.

W.W.T.P. Operator

Danny P. Neely

Danny P. Neely

Town of Baileyton W.W.T.P.
6530 Horton Highway
Greeneville, TN 37745
Phone #(423) 234-6911
Fax # (423) 234-5442

January 11, 2022

To; Sandra K. Vance

The Town of Baileyton's sludge sampling schedule for the year 2022 is to collect digester sludge samples in April or May for all the parameters in our Bio Solids Permit. This is for the heavy metals as well as e-coli testing. I will also do a S.O.U.R. Test on the digested sludge. I will also do a S.O.U.R. Test on the digested sludge if we have to haul sludge in the summer and again in October or November when we empty our digesters for the winter months. We try to do the same thing every year.

If you have any further questions please feel free to contact at 423-234-0991.

Sincerely

Danny P. Neely

Danny P. Neely

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Danny P. Neely

Town of Baileyton **Year 2021**

W.W.T.P.

Annual Sludge Report

	Tons of Sluge Hauled	S.O.U.R. Test mg/l
January		
February		
March		
April		
May		
June		0.14
July	2.56	
August		
September	0.80	
October	13.00	0.08
November		
December		
Total	16.36	0.22
Avg	5.45	0.11

ANALYTICAL REPORT

April 27, 2021

Town of Baileyton WWTP

Sample Delivery Group:	L1338918
Samples Received:	04/15/2021
Project Number:	
Description:	

Report To:

Mr. Danny Neely
6530 Horton Highway
Greeneville, TN 37745

Entire Report Reviewed By:

Jennifer Huckaba

Jennifer Huckaba
Project Manager

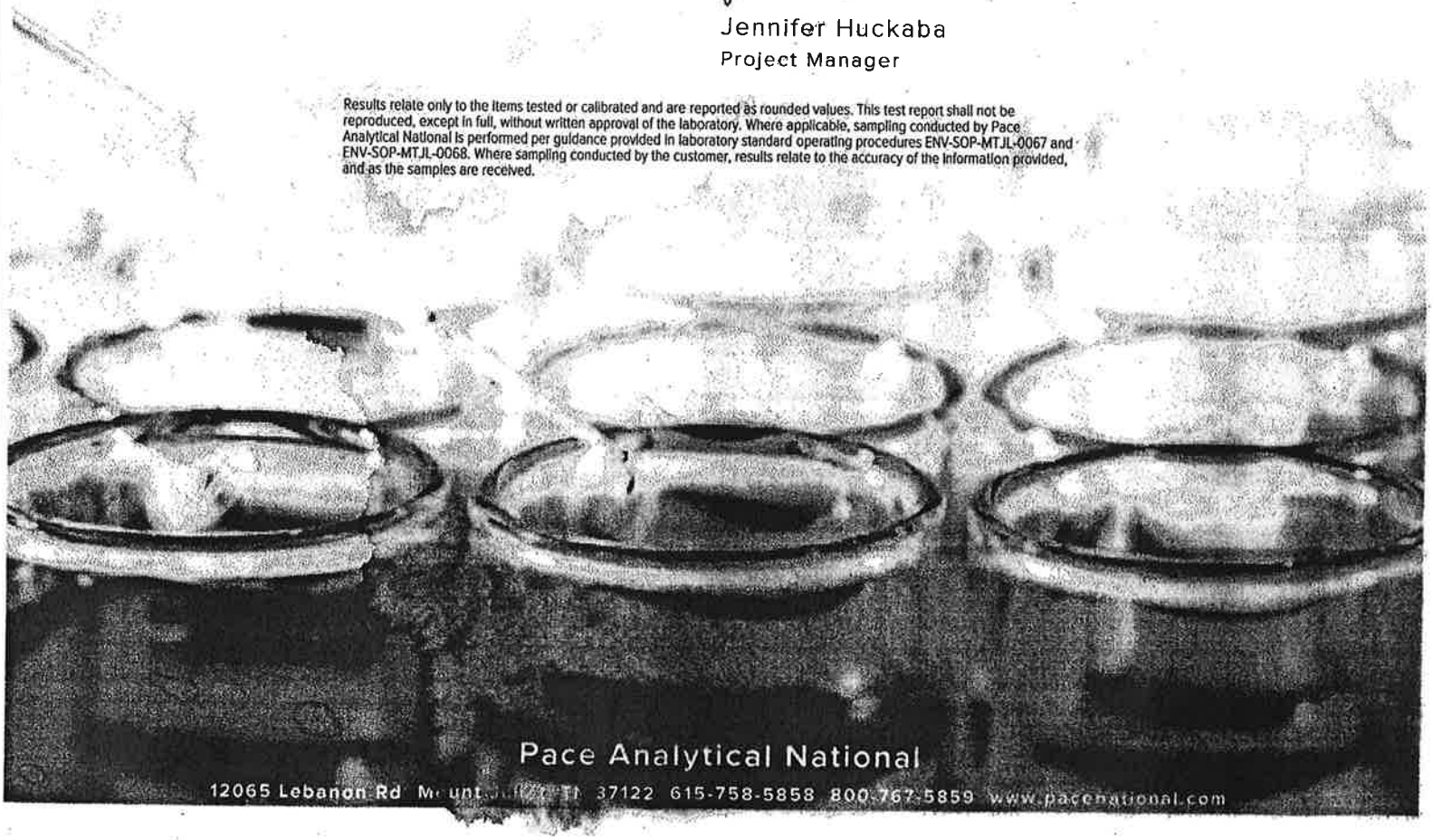

TABLE OF CONTENTS

SAMPLE SUMMARY

SLUDGE L1338918-01 Solid			Collected by Danny P. Neely	Collected date/time 04/14/21 10:30	Received date/time 04/15/21 08:15	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1655855	1	04/26/21 03:52	04/26/21 05:05	CAT	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG1654834	1	04/22/21 03:50	04/24/21 17:41	JER	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg C-2011	WG1655245	5	04/21/21 13:34	04/22/21 17:08	JER	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1655454	1	04/20/21 23:10	04/21/21 05:38	MCG	Mt. Juliet, TN
Mercury by Method 7471A	WG1652916	1	04/19/21 17:21	04/20/21 09:32	BMF	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1652707	.1	04/19/21 07:13	04/21/21 05:08	CCE	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jennifer Huckaba

Jennifer Huckaba
Project Manager

Project Narrative

Sample -02 was canceled due to holding time and will be recollected at a later date.

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Jennifer Huckaba

Jennifer Huckaba
Project Manager

Project Narrative

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SLUDGE
Collected date/time: 04/14/21 10:30

SAMPLE RESULTS - 01
L1338918

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
	%				
Total Solids	1.19	Q	1	04/26/2021 05:05	WG1655855

Wet Chemistry by Method 350.1

Analyte	Result (wet)	RDL (Wet)	Result (dry)	RDL (dry)	Qualifier	Dilution	Analysis date / time	Batch
	mg/kg	mg/kg	mg/kg	mg/kg				
Ammonia Nitrogen	ND	10.0	ND	840		1	04/24/2021 17:41	WG1654834

Wet Chemistry by Method 4500NOrg C-2011

Analyte	Result (wet)	RDL (Wet)	Result (dry)	RDL (dry)	Qualifier	Dilution	Analysis date / time	Batch
	mg/kg	mg/kg	mg/kg	mg/kg				
Kjeldahl Nitrogen, TKN	1300	100	110000	8400		5	04/22/2021 17:08	WG1655245

Wet Chemistry by Method 9056A

Analyte	Result (wet)	RDL (Wet)	Result (dry)	RDL (dry)	Qualifier	Dilution	Analysis date / time	Batch
	mg/kg	mg/kg	mg/kg	mg/kg				
Nitrate as (N)	ND	10.0	ND	840		1	04/21/2021 05:38	WG1655454

Mercury by Method 7471A

Analyte	Result (wet)	RDL (Wet)	Result (dry)	RDL (dry)	Qualifier	Dilution	Analysis date / time	Batch
	mg/kg	mg/kg	mg/kg	mg/kg				
Mercury	ND	0.0400	ND	3.36		1	04/20/2021 09:32	WG1652916

Metals (ICP) by Method 6010B

Analyte	Result (wet)	RDL (Wet)	Result (dry)	RDL (dry)	Qualifier	Dilution	Analysis date / time	Batch
	mg/kg	mg/kg	mg/kg	mg/kg				
Arsenic	ND	0.200	ND	16.8		1	04/21/2021 05:08	WG1652707
Cadmium	ND	0.0500	ND	4.20		1	04/21/2021 05:08	WG1652707
Copper	1.91	0.200	161	16.8		1	04/21/2021 05:08	WG1652707
Lead	0.113	0.0500	9.53	4.20		1	04/21/2021 05:08	WG1652707
Molybdenum	0.0647	0.0500	5.44	4.20		1	04/21/2021 05:08	WG1652707
Nickel	ND	0.200	ND	16.8		1	04/21/2021 05:08	WG1652707
Selenium	ND	0.200	ND	16.8		1	04/21/2021 05:08	WG1652707
Zinc	8.93	0.500	751	42.0		1	04/21/2021 05:08	WG1652707

QUALITY CONTROL SUMMARY

L1338918-01

hod Blank (MB)

R3646848-1 04/26/21 05:05

	MB Result	MB Qualifier	MB MDL	MB RDL
e	%		%	%
olids	0.000			

:9634-01 Original Sample (OS) • Duplicate (DUP)

.1339634-01 04/26/21 05:05 • (DUP) R3646848-3 04/26/21 05:05

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
e	%	%		%		%
olids	20.0	19.9	1	0.550		10

0313-01 Original Sample (OS) • Duplicate (DUP)

.1340313-01 04/26/21 05:05 • (DUP) R3646848-4 04/26/21 05:05

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
e	%	%		%		%
olids	13.9	14.1	1	1.50		10

oratory Control Sample (LCS)

R3646848-2 04/26/21 05:05

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
e	%	%	%	%	
olids	50.0	50.0	100	85.0-115	

Ss
Cn
Sr
Qc
Gl
Al
Sc

QUALITY CONTROL SUMMARY

L1338918-01

nod Blank (MB)

R3646147-1 04/23/21 17:52

e	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
nia Nitrogen	U		7.00	10.0

8146-07 Original Sample (OS) • Duplicate (DUP)

1338146-07 04/23/21 17:59 • (DUP) R3646147-3 04/23/21 18:00

e	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
				%		%
nia Nitrogen	1040	1060	1	1.77		20

oratory Control Sample (LCS)

R3646147-2 04/23/21 17:54

e	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
nia Nitrogen	500	545	109	90.0-110	

8146-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

1338146-07 04/23/21 17:59 • (MS) R3646147-4 04/23/21 18:01 • (MSD) R3646147-5 04/23/21 18:03

e	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg				%	%		%			%	%
nia Nitrogen	500	1040	3270	3310	93.3	95.0	1	80.0-120			1.29	20

QUALITY CONTROL SUMMARY

L1338918-01

nod Blank (MB)

R3645376-1 04/22/21 16:31

	MB Result	MB Qualifier	MB MDL	MB RDL
e	mg/kg		mg/kg	mg/kg
n Nitrogen, TKN	U		4.48	20.0

8918-01 Original Sample (OS) • Duplicate (DUP)

1338918-01 04/22/21 17:08 • (DUP) R3645376-5 04/22/21 17:09

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
e	mg/kg	mg/kg		%		%
n Nitrogen, TKN	110000	126000	5	14.3		20

oratory Control Sample (LCS)

R3645376-2 04/22/21 16:33

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
e	mg/kg	mg/kg	%	%	
n Nitrogen, TKN	596	588	98.7	75.2-121	

7525-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

1337525-01 04/22/21 16:34 • (MS) R3645376-3 04/22/21 16:35 • (MSD) R3645376-4 04/22/21 16:37

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
e	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
n Nitrogen, TKN	5200	18900	18000	19300	0.000	6.23	1	90.0-110	E J6	E J6	6.55	20

QUALITY CONTROL SUMMARY

L1338918-01

nod Blank (MB)

R3644383-1 04/21/21 00:10

	MB Result	MB Qualifier	MB MDL	MB RDL
e	mg/kg		mg/kg	mg/kg
	U		0.557	10.0

:8462-02 Original Sample (OS) • Duplicate (DUP)

.1338462-02 04/21/21 02:27 • (DUP) R3644383-3 04/21/21 02:43

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
e	mg/kg	mg/kg		%		%
	ND	ND	1	0.0914		15

:9246-01 Original Sample (OS) • Duplicate (DUP)

.1339246-01 04/21/21 07:30 • (DUP) R3644383-6 04/21/21 07:46

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
e	mg/kg	mg/kg		%		%
	ND	ND	1	19.6	P1	15

oratory Control Sample (LCS)

R3644383-2 04/21/21 00:25

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
e	mg/kg	mg/kg	%	%	
	20.0	20.2	101	80.0-120	

:8462-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

.1338462-02 04/21/21 02:27 • (MS) R3644383-4 04/21/21 03:31 • (MSD) R3644383-5 04/21/21 03:47

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
e	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
	50.0	ND	50.7	51.3	99.5	101	1	80.0-120			1.15	15

QUALITY CONTROL SUMMARY

L1338918-01

hod Blank (MB)

R3644033-1 04/20/21 08:41

	MB Result	MB Qualifier	MB MDL	MB RDL
e	mg/kg		mg/kg	mg/kg
y	U		0.0180	0.0400

oratory Control Sample (LCS)

R3644033-2 04/20/21 08:43

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
e	mg/kg	mg/kg	%	%	
y	0.500	0.533	107	80.0-120	

9009-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

L1339009-01 04/20/21 08:46 • (MS) R3644033-3 04/20/21 08:48 • (MSD) R3644033-4 04/20/21 08:51

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
e	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
y	0.500	ND	0.527	0.510	102	98.2	1	75.0-125			3.26	20

QUALITY CONTROL SUMMARY

L1338918-01

nod Blank (MB)

R3644435-1 04/21/21 03:49

	MB Result	MB Qualifier	MB MDL	MB RDL
e	mg/kg		mg/kg	mg/kg
:	U		0.518	2.00
um	U		0.0471	0.500
r	U		0.400	2.00
	U		0.208	0.500
denum	U		0.109	0.500
	U		0.132	2.00
um	U		0.764	2.00
	U		0.832	5.00

oratory Control Sample (LCS)

R3644435-2 04/21/21 03:52

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
e	mg/kg	mg/kg	%	%	
:	100	91.8	91.8	80.0-120	
um	100	92.1	92.1	80.0-120	
r	100	101	101	80.0-120	
	100	94.2	94.2	80.0-120	
denum	100	96.7	96.7	80.0-120	
	100	93.8	93.8	80.0-120	
um	100	94.1	94.1	80.0-120	
	100	89.8	89.8	80.0-120	

9545-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

1339545-02 04/21/21 03:55 • (MS) R3644435-5 04/21/21 04:02 • (MSD) R3644435-6 04/21/21 04:05

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
e	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
:	105	2.62	89.0	89.4	82.7	83.1	1	75.0-125			0.484	20
um	105	ND	89.4	89.5	85.4	85.6	1	75.0-125			0.147	20
r	105	7.24	108	105	96.1	93.9	1	75.0-125			2.15	20
	105	3.72	95.2	94.0	87.6	86.4	1	75.0-125			1.31	20
denum	105	ND	91.1	91.8	87.0	87.7	1	75.0-125			0.739	20
	105	8.42	102	98.5	89.7	86.2	1	75.0-125			3.70	20
um	105	ND	89.3	89.6	85.4	85.7	1	75.0-125			0.307	20
	105	24.1	112	106	84.2	77.9	1	75.0-125			6.07	20

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J6	The sample matrix interfered with the abilty to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Town of Baileyton WWTP

6530 Horton Highway
Greeneville, TN 37745

Billing Information:
Barbara Tilson
6530 Horton Highway
Greeneville, TN 37745

Pres Chk

Report to:
Mr. Danny Neely

Email To:
dannyneely550@yahoo.com;sandra.vance@tn.

Project Description:

City/State Collected:

Please Circle: PT MT CT ET

Phone: **423-620-8208**

Client Project #

Lab Project #
BAILEY02-SLUDGE

Collected by (print): DANNY P. NEELY

Site/Facility ID #

P.O. #

Collected by (signature): Danny P. Neely

Immediately packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	FCLS Microbiological	Metals 250mlHDPE-NoPres	NITRATE, NH3,TKN 250mlHDPE-NoPres	TSSLUDGE 250mlHDPE-NoPres							
UDGE	GRAB	SS	N/A	4/14/21	1030	3		X	X	X							-01
UDGE	GRAB	SS	N/A	4/14/21	1030	9	X										-02

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Road Mt Juliet, TN 37122
Phone: 615-758-5858 Alt: 800-767-5859
Submitting a sample via this chain of custody constitutes acknowledgement and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1338918
B171

Acctnum: **BAILEY02**
Template: **T111405**
Prelogin: **P825482**
PM: **3513 - Jennifer Huckaba**
PB: TO 3-3-21
Shipped Via: **FedEX Ground**

Remarks | Sample # (lab only)

Matrix:
S - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other ___

Remarks:

pH ___ Temp ___
Flow ___ Other ___

Samples returned via:
__ UPS __ FedEx __ Courier X

Tracking #

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Danny P. Neely	4-14-21	1035	T=Kelly
T=Kelly	4-14-21	1700	CROSSTOAN
			Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 4.4-2-4.6 °C Bottles Received: 17

Date: 4/15/21 Time: 8:15

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

ANALYTICAL REPORT

May 20, 2021

Town of Baileyton WWTP

Sample Delivery Group: L1352054

Samples Received: 05/13/2021

Project Number:

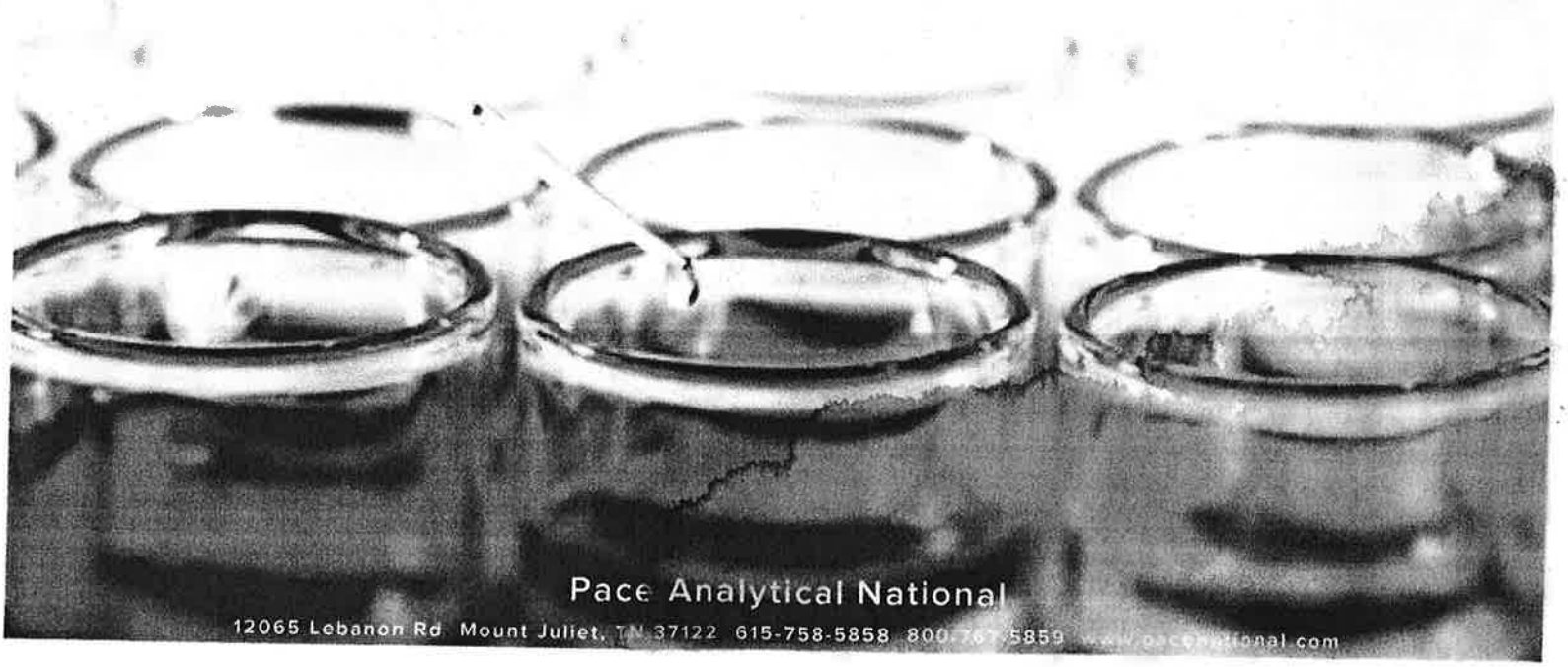
Description:

Report To: Mr. Danny Neely
6530 Horton Highway
Greeneville, TN 37745

Entire Report Reviewed By: Jennifer Huckaba

Jennifer Huckaba
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Cb
3 Ss
4 Cn
5 Sr
6 Gl
7 Al
8 Sc

TABLE OF CONTENTS

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Gl
7 Al
8 Sc

SAMPLE SUMMARY

SLUDGE L1352054-01 Solid			Collected by Danny P Neely	Collected date/time 05/12/21 12:15	Received date/time 05/13/21 08:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Microbiology by Method EPA 1681	WG1670212	1000	05/13/21 12:03	05/13/21 12:03	MEL	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jennifer Huckaba

Jennifer Huckaba
Project Manager

SLUDGE
Collected date/time: 05/12/21 12:15

SAMPLE RESULTS - 01
L1352054

Microbiology by Method EPA 1681

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
	MPN/g				
Fecal Coliform -Geom.Mean	<18565.77		1000	05/13/2021 12:03	WG1670212
Fecal Coliform -1	20077.12		1000	05/13/2021 12:03	WG1670212
Fecal Coliform -2	<18035.79		1000	05/13/2021 12:03	WG1670212
Fecal Coliform -3	<18149.87		1000	05/13/2021 12:03	WG1670212
Fecal Coliform -4	<18066.53		1000	05/13/2021 12:03	WG1670212
Fecal Coliform -5	19795.72		1000	05/13/2021 12:03	WG1670212
Fecal Coliform -6	<18100.22		1000	05/13/2021 12:03	WG1670212
Fecal Coliform -7	<17871.05		1000	05/13/2021 12:03	WG1670212

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

SDG	Sample Delivery Group.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Chain of Custody Page ___ of ___

Pace Analytical

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ompany Name/Address:	own of Baileyton WWTP 30 Horton Highway reeneville, TN 37745
Billing Information:	Barbara Tilson 6530 Horton Highway Greeneville, TN 37745
Pres Chk	
port to:	r. Danny Neely
Email To:	dannyneely550@yahoo.com;sandra.vance@tn.
oject Description:	
City/State Collected:	
Please Circle:	PT MT CT ET (ET circled)
one:	423-620-8208
Client Project #	
Lab Project #	BAILEY02-SLUDGE
ected by (print):	Danny P. Neely
Site/Facility ID #	
P.O. #	
ected by (signature):	Danny P. Neely
Quote #	
Rush? (Lab MUST Be Notified)	___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day
Date Results Needed	
mediately cked on Ice	N ___ Y X

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	FCLS Microbiological	Remarks	Sample # (lab only)
JDGE	GRAB	SS	N/A	5-12-21	1215	9	X		-01

SDG # E018 L1352064

Table

Acctnum: BAILEY02

Template: T185918

Prelogin: P841760

PM: 3513 - Jennifer Huckaba

PB: TB 4-21-21

Shipped Via: FedEX Ground

Matrix:
- Soil AIR - Air F - Filter
V - Groundwater B - Bioassay
W - WasteWater
V - Drinking Water
- Other ________

Remarks: Please collect in the afternoon and also notify lab when it should be coming in for an alert to log-in.

pH ______ Temp ______

Flow ______ Other ______

Samples returned via: __ UPS __ FedEx __ Courier (circled)

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact: __NP	Y __N
COC Signed/Accurate:	Y __N
Bottles arrive intact:	Y __N
Correct bottles used:	Y __N
Sufficient volume sent:	Y __N
If Applicable	
VOA Zero Headspace:	__Y __N
Preservation Correct/Checked:	__Y __N
RAD Screen <0.5 mR/hr:	Y __N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	
Danny P. Neely	5-12-21	1230	T-Kelly	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by: (Signature) T-Kelly	5-12-21	1700	Received by: (Signature) CROSSTOWN	Temp: A3 AF -1 °C 2.2 2.1 Bottles Received: 9
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5-13-21 Time: 8:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK (OK circled)