



## Environmental & Agricultural Testing

"Providing Quality Analytical Services Since 1939"

2829 Reach Road, Williamsport, PA 17701 • Phone: (570) 326-4001 • Fax: (570) 326-0399 • [www.seewaldlabs.com](http://www.seewaldlabs.com)

# Certificate of Analysis

June 24, 2018

Jack Bailey

Work Order: 1815041

City of Lock Haven

Project: Beach

20 East Church St

Lock Haven, PA 17745

Dear Jack Bailey,

Enclosed is your report of analysis that contains the result(s) of the sample(s) received on 6/21/2018. Please direct any questions or comments regarding the content of this report to our Client Services Manager, Mr. Kevin Green; or the Laboratory Director, Mr. Raymond J. Martrano at (570) 326 - 4001.

Seewald Laboratories, Inc. is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and the analytical result(s) contained in this report meet those regulation requirements, except where noted. For example, all drinking water testing and/or analysis comply with the requirements in 40 CFR part 141. All wastewater testing and/or analysis comply with the requirements in 40 CFR part 136. All Solid and Chemical Material testing and/or analysis complies with the requirements in SW-846. All quantitative solid result(s), unless otherwise indicated, are reported on a dry weight basis obtained by a percent moisture calculation.

Sample(s) that were collected by Seewald Laboratories, Inc. personnel are done in accordance with the latest revision of the laboratory's Field Sampling and Field Analysis Standard Operating Procedures. The result(s) contained within this report are representative of the sample(s) as received. Any and all information provided to us by the client was not performed by Seewald Laboratories, Inc. and is not within our scope of accreditation. Any abnormalities in how the sample(s) were received are noted in the documentation contained herein.

All information contained within this report is the property of Seewald Laboratories, Inc. and that of the client. This report may not be reproduced in any form without prior consent from either an authorized representative of Seewald Laboratories, Inc. or the client for which this report was intended. If required, this report must be reproduced in its entirety. Seewald Laboratories, Inc. is not responsible for the use or interpretation of the data included herein.

Please visit [www.seewaldlabs.com](http://www.seewaldlabs.com) for a complete list of our accredited parameters and other topics of interest.

Regards,

Seewald Laboratories, Inc.



Approved by: \_\_\_\_\_

Ray Martrano, Laboratory Director

PA Lab ID: 41-00034 • Maryland Certificate #: 202 • Delaware Office of Drinking Water • NY State Lab ID: 12028

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City of Lock Haven	<b>Project:</b> Beach
20 East Church St	<b>Project Number:</b>
Lock Haven, PA 17745	<b>Reported:</b> 06/24/2018 09:14

## Sample Summary

Lab ID	Sample	Matrix	Sampled	Received
1815041-01	City Beach #1	Non-Potable Water	06/21/2018 14:55	06/21/2018 16:04
1815041-02	City Beach #2	Non-Potable Water	06/21/2018 14:45	06/21/2018 16:04
1815041-03	City Beach #3	Non-Potable Water	06/21/2018 14:50	06/21/2018 16:04





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City of Lock Haven	<b>Project:</b> Beach
20 East Church St	<b>Project Number:</b>
Lock Haven, PA 17745	<b>Reported:</b> 06/24/2018 09:14

## Analytical Results

<b>Sample ID:</b>	City Beach #1	<b>Sampled:</b>	06/21/2018 14:55
<b>Lab ID:</b>	1815041-01	<b>Received:</b>	06/21/2018 16:04
<b>Matrix:</b>	Non-Potable Water		

Analyte	Result	Units	Qualifier	Reporting Limit	Prepared	Analyzed	Method	Analyst
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**Microbiology**

E. coli (enumeration)	326	MPN/100 mL	G	1	6/21/18 16:20	6/22/18 12:30	SM 9223 B/Quanti-Tray	BF
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City of Lock Haven	<b>Project:</b> Beach
20 East Church St	<b>Project Number:</b>
Lock Haven, PA 17745	<b>Reported:</b> 06/24/2018 09:14

## Analytical Results

<b>Sample ID:</b>	City Beach #2	<b>Sampled:</b>	06/21/2018 14:45
<b>Lab ID:</b>	1815041-02	<b>Received:</b>	06/21/2018 16:04
<b>Matrix:</b>	Non-Potable Water		

Analyte	Result	Units	Qualifier	Reporting Limit	Prepared	Analyzed	Method	Analyst
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**Microbiology**

E. coli (enumeration)	261	MPN/100 mL	G	1	6/21/18 16:20	6/22/18 12:30	SM 9223 B/Quanti-Tray	BF
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City of Lock Haven	<b>Project:</b> Beach
20 East Church St	<b>Project Number:</b>
Lock Haven, PA 17745	<b>Reported:</b> 06/24/2018 09:14

## Analytical Results

**Sample ID:** City Beach #3 **Sampled:** 06/21/2018 14:50  
**Lab ID:** 1815041-03 **Received:** 06/21/2018 16:04  
**Matrix:** Non-Potable Water

Analyte	Result	Units	Qualifier	Reporting Limit	Prepared	Analyzed	Method	Analyst
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**Microbiology**

E. coli (enumeration)	214	MPN/100 mL		1	6/21/18 16:20	6/22/18 12:30	SM 9223 B/Quanti-Tray	BF
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City of Lock Haven

**Project:** Beach

20 East Church St

**Project Number:**

Lock Haven, PA 17745

**Reported:** 06/24/2018 09:14

## Notes and Definitions

Item	Definition
<b>G</b>	Result is currently not in compliance with the Public Swimming & Bathing provisions established by the Department of Health.
<b>ND</b>	Not Detected at or above the Minimum Reporting Limit
<b>Reporting Limit</b>	This value represents the minimum concentration that the target analyte can be identified and quantitated with confidence
<b>(2)</b>	Indicates the data was reported from the instrument's secondary column. When applicable the (2) will follow the analyte's name on the results page.



**SEEWALD**  
LABORATORIES, INC.

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Williamsport, PA 17701

Phone: (570) 326 - 4001 Fax: (570) 326 - 0399  
Complete Online at [www.seewaldlabs.com](http://www.seewaldlabs.com)



1815041

**PA/MD/DE Drinking Water Only**

Circle State of Origin for Compliance Monitoring  
PWSID # NA  
Type: Annual Semi-Annual Quarterly Monthly  
Monitoring Period: \_\_\_\_\_ to \_\_\_\_\_  
Reporting Type: C D E F I L M P R S  
Location Code: \_\_\_\_\_

**D** as are is.

**Billing:** Cash  PO: NA Check  Ck#: \_\_\_\_\_ Credit  Not Paid

**Turn Around Time:** Standard Rush Basic or QC Report  
**Reporting:** Rush Due: \_\_\_\_\_ Email or US Postal

Receipt Info: Lab Employee FedEx UPS US Postal Walk in Other: \_\_\_\_\_

**Customer Information:**

First Time Customer? Y / N \_\_\_\_\_

Contact Person: Jack Bailey

Client/Co. Name: City of Lock Haven

Address: 20 E. Church Street

City, State, Zip: Lock Haven PA 17745

Telephone No: 570-893-5612

Cell No: 570-660-6671

Fax No: 570-893-5905

Email Address: \_\_\_\_\_

Report to / Bill to (if different):

# of Coolers: 1 Temp: 83

Received on Ice? Y N

Coolers & samples intact? Y N

COC intact & complete? Y N

Correct container provided? Y N

Sample/COC/Analysis agree? Y N

Adequate sample volumes? Y N

Headspace present? Y N

Sample(s) pH acceptable? Y N

Completed By: JR Y=Yes N=No

Client Notified? Y N

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Spoke to: \_\_\_\_\_

Reason: \_\_\_\_\_

Reporting Type Key:  
C = Check F = Follow-up  
D = Dist. I = Initial  
E = Entry Point L = Lead  
M = Max Res. service  
R = Raw P = Plant  
S = Special

**Sample Information: Project Name: Lock Haven City Beach**

Field Data

pH: \_\_\_\_\_ SU: \_\_\_\_\_ Temp: \_\_\_\_\_ °C: \_\_\_\_\_ Meter #: \_\_\_\_\_

O<sub>2</sub>: \_\_\_\_\_ mg/L: \_\_\_\_\_ Temp: \_\_\_\_\_ °C: \_\_\_\_\_ Meter #: \_\_\_\_\_

CL: Tot: \_\_\_\_\_ Free: \_\_\_\_\_ mg/L: \_\_\_\_\_ Meter: \_\_\_\_\_

\*Comp #1 8 12 24 \*Comp #2 8 12 24

Start: @ \_\_\_\_\_ Start: @ \_\_\_\_\_

End: @ \_\_\_\_\_ End: @ \_\_\_\_\_

T1: JR 6/21/18 T2: RO 6/21/18

Container Type/Preservation (see keys)

Seewald LIMS/No(s)	Sample Identification	Matrix (key)	Sample Date (MM/DD/YY)	Sample Time (HHMM)	Grab or Composite *	Indicate number of containers below	Analyses/Method Request
01	City Beach #1	DPW	6/21/18	1455	GRAB	1	Total coliform/E-coli
02	City Beach #2	NPW	6/21/18	2:55	"	1	"
03	City Beach #3	NPW	6/21/18	1450	"	1	"

Container: (CG) Clear Glass (AG) Amber Glass (P) Plastic (V) Vial (SP) Sterile Plastic (WP) Whirl-Pak (O) Other

Preservation: (0) none (1) H<sub>2</sub>SO<sub>4</sub> (2) HCL (3) HNO<sub>3</sub> (4) NaOH (5) Zn(O<sub>2</sub>CCH<sub>3</sub>)<sub>2</sub> (6) Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> (7) NH<sub>4</sub>CL (8) H<sub>3</sub>PO<sub>4</sub> (9) Other (a) NH<sub>4</sub>Cl (b) C<sub>6</sub>H<sub>8</sub>O<sub>6</sub> (c) MeOH (d) NaHSO<sub>4</sub>

Matrix: (DW) Drinking Water (NPW) Non-Potable Water (SCM) Solid/Chemical Materials (D) Dairy (FD) Frozen Desserts (F) Food (PC) Plastic Cont. (ENV) Env. Swabs (SW) Surface Water (GW) Ground Water

(A) Air (DI) Reagent Water (O) Other

(Signatures Only) Sampled By (1<sup>st</sup>): Jack Bailey Initials: JR

Relinquished By (1<sup>st</sup>): Jack Bailey → Received By (2<sup>nd</sup>): \_\_\_\_\_ → Date: 6/21/18 → Time: 1604

Relinquished By (2<sup>nd</sup>): \_\_\_\_\_ → Received By (3<sup>rd</sup>): \_\_\_\_\_ → Date: \_\_\_\_\_ → Time: \_\_\_\_\_

Relinquished By (3<sup>rd</sup>): \_\_\_\_\_ → Received By (4<sup>th</sup>): \_\_\_\_\_ → Date: \_\_\_\_\_ → Time: \_\_\_\_\_

Relinquished By (4<sup>th</sup>): \_\_\_\_\_ → Received By (5<sup>th</sup>): \_\_\_\_\_ → Date: \_\_\_\_\_ → Time: \_\_\_\_\_