



## 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 22, 2018

Jack Bailey

Work Order: 1814596

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 6/18/2018. 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> 06/22/2018 12:22

## Sample Summary

Lab ID	Sample	Matrix	Sampled	Received
1814596-01	City Beach	Non-Potable Water	06/18/2018 06:20	06/18/2018 06:56





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City of Lock Haven	<b>Project:</b> Beach
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## Analytical Results

<b>Sample ID:</b> City Beach	<b>Sampled:</b> 06/18/2018 06:20
<b>Lab ID:</b> 1814596-01	<b>Received:</b> 06/18/2018 06:56
<b>Matrix:</b> Non-Potable Water	

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

E. coli (enumeration)	36	MPN/100 mL		1	6/18/18 13:42	6/19/18 11:25	SM 9223 B/Quanti-Tray	JAB
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City of Lock Haven

**Project:** Beach

20 East Church St

**Project Number:**

Lock Haven, PA 17745

**Reported:** 06/22/2018 12:22

## Notes and Definitions

Item	Definition
ND	Not Detected at or above the Minimum Reporting Limit
Reporting Limit	This value represents the minimum concentration that the target analyte can be identified and quantitated with confidence
(2)	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.





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Complete Online at www.seewaldlabs.com



1814596

gray areas are  
analysis.

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

Circle State of Origin for Compliance Monitoring

PWSID # \_\_\_\_\_  
Type: Annual Semi-Annual Quarterly Monthly  
Monitoring Period: \_\_\_\_\_ to \_\_\_\_\_  
Reporting Type: C D E F I L M P R S  
Location Code: \_\_\_\_\_

**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: \_\_\_\_\_

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

Reporting: Standard  Rush  Basic  or QC Report  
Rush Due: \_\_\_\_\_ Email  or US Postal

Receipt Info: Lab  FedEx  UPS  US Postal  Walkid  Other: \_\_\_\_\_

Report to / Bill to (if different):

# of Coolers: \_\_\_\_\_ Temp: 68

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  NA  
Completed By: *MA* 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

Comment(s)/Note(s):

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

Field:	pH: _____ SU Temp: _____ °C Meter #:	*Comp #1 8 12 24	*Comp #2 8 12 24	T1: <i>RH/STO</i> T2:
Data:	O <sub>2</sub> : _____ mg/L Temp: _____ °C Meter #:	Start: @ _____	Start: @ _____	Container Type/Preservation (see keys)
	CL <sub>2</sub> : Tot: _____ Free: _____ mg/L Meter:	End: @ _____	End: @ _____	<i>6/18/18</i>

Seewald LIMS No(s)	Sample Identification	Matrix (key)	Sample Date (MM/DD/YY)	Sample Time (HHMM)	Grab or Composite *	Indicate number of containers below
<i>01</i>	City Beach	<i>DPW</i>	<i>06/18/18</i>	<i>6:20</i>	GRAB	<i>1</i>

Analyses/Method Request

Total coliform/E-coli  
*RA 0/18*  
*3*

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>5</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>6</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: *JB*  
Relinquished By (1<sup>st</sup>): *Jack Bailey* → Received By (2<sup>nd</sup>): *MAKH* → Date: *6-18-18* → Time: *0650*  
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: \_\_\_\_\_