

November 20, 2020

Mr. Scott Christ
Director of Operations
Holland Central School District
103 Canada Street
Holland, New York 14080

RE: Investigation and Sampling of Drinking Water for Lead Concentrations

Dear Mr. Christ:

Included with this letter is Stohl Environmental LLC's report for the Water Sampling performed at the educational buildings of the Holland Central School District, including:

- Holland High School, 103 Canada Street, Holland, New York 14080

This report is prepared to assist the District in complying with the requirements of NYS regulations, *SUBPART 67-4: Lead Testing in School Drinking Water*, by identifying the sources of potable water with lead concentrations greater than the NYS "Action Level of 15 parts per billion (ppb)".

The Investigation and Sampling was performed on September 12, 2020. The Protocol for the Investigation followed the requirements of NYS regulations as well as USEPA Technical Guidance Document "3-T's for Reducing Lead in Drinking Water in Schools".

As detailed in Section 1.2 (*Executive Summary*) of the accompanying report, based upon the sampling and analysis performed, 4 sources of potable water in Holland High School have been identified as having lead concentrations in water above the NYS Action Level of 15 parts per billion. To comply with NYS regulations, Response actions as identified in this report by the District are required.

Thank you for the opportunity to be of service to Holland Central School District.

Sincerely,
Stohl Environmental, LLC.



Eric Henderson Jr.
Senior Project Manager

**Investigation and Sampling
Of Sources of Potable Water
For Lead Concentrations**

Prepared for:

Holland Central School District

Prepared by:



**3860 California Road, Orchard Park, New York 14127
PHONE (716) 312-0070 FAX (716) 312-8092
WWW.STOHLENVIRONMENTAL.COM**

Conditions as of September 12, 2020

Summary Tabulation

Lead in Drinking Water Investigation

- 1.1. Scope of Work and Sampling Protocol
- 1.2. Executive Summary of Sampling and Analysis
- 1.3. Response Actions Required Under NYS Regulations
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1.1 Scope of Work and Sampling Protocol:

Stohl Environmental was retained by Holland Central School District to perform sampling and analysis of potable water for elevated lead concentrations. Sampling was performed in the following buildings:

- Holland High School, 103 Canada Street, Holland, New York 14080

Scope of Work:

Stohl Environmental was charged with collecting first-draw water samples from outlets in Holland High School. Outlets are defined in NYS regulations as: “a potable water fixture currently or potentially used for drinking or cooking purposes, including but not limited to a bubbler, drinking fountain, or faucets”.

Sampling Protocol:

In accordance with NYS regulations, *Subpart 67-4: Lead Testing in School Drinking Water*, and the EPA guidance document, *‘3Ts for Reducing Lead in Drinking Water in Schools’*, Stohl Environmental’s protocol can be summarized as follows:

- **First-draw samples** of 250 milliliters (mL) were collected from cold water outlets before any water was used. Sampling was coordinated with District representatives to assure that water was motionless in the pipes for a minimum of 8 hours, but not more than 18 hours before sample collection.
- **Laboratory Analysis:** Samples were submitted following strict chain-of-custody protocols to an independent laboratory approved by the NYS Department of Health’s Environmental Laboratory Approval Program (ELAP).

1.2 Executive Summary of Sampling and Analysis:

Total Number of Samples Collected by Building Classified by First Draw & Confirmatory Samples:

Building Name	Date of Sample Event	Total Number Samples Collected	First Draw Samples		Confirmatory Samples **	
			Number of Samples at or Below the NYS Action level of 15 ppb	Number of Samples Above the NYS Action Level of 15 ppb	Number of Samples at or Below the NYS Action level of 15 ppb	Number of Samples Above the NYS Action Level of 15 ppb
Holland CSD	9/12/2020	47	43	4	N/A	N/A

** Confirmatory samples are samples collected subsequent to "Step 1" First Draw samples to verify initial findings of lead contamination, to assist in problem assessment to determine remediation and/or verify that lead levels are at or below action level post-remediation.

Listing of Outlets Requiring Remediation

Locations of Outlets Analyzed above the NYS Action Level of 15 parts per billion based upon Analysis of First Draw Samples:

Sample #	Classroom or other Location	Fixture/Outlet type	Laboratory Analysis in ppb
105.1-4	Nurses Office	Sink	35.9
105.1-23	Ladies Lav	Sink	15.2
105.1-44	Room 201	Sink	18.1
105.1-71	Room 111	Sink	16.0

1.3 Response Actions Required Under NYS Regulations, Section 67-4.4:

For outlets analyzed with a lead concentration in excess of the NYS Action Level, regulations require:

- (a) Prohibit use of the outlet until:
 - (1) a lead remediation plan is implemented to mitigate the lead level of such outlet; and
 - (2) test results indicate that the lead levels are at or below the action level;
- (b) provide building occupants with an adequate supply of potable water for drinking and cooking until remediation is performed;
- (c) report the test results to the local health department as soon as practicable, but no more than 1 business day after the school received the laboratory report; and
- (d) notify all staff and all persons in parental relation to students of the test results, in writing, as soon as practicable but no more than 10 business days after the school received the laboratory report.

1.4 Laboratory Analytical Reports by Building



Environmental Hazards Services, L.L.C.
 7469 Whitepine Rd
 Richmond, VA 23237
 Telephone: 800.347.4010

Lead in Drinking Water Analysis Report

Client: Stohl Environmental
 3860 California Road
 Orchard Park, NY 14127

Report Number: 20-09-02633
 Received Date: 09/17/2020
 Reported Date: 09/22/2020
 Sampled By: Paul Nichols
 Tech Certification #:

Project/Test Address: 2020L-105; Holland High School; 103 Canada St; Holland, NY

Client Number:
 33-5980

Laboratory Results

Fax Number:
 716-312-8092

Lab Sample Number	Client Sample ID	Collection Date	Collection Location	Concentration ug/L (ppb)	Analysis Date	Narrative ID
20-09-02633-001	105.1-3	09/12/2020	MAIN OFFICE	12.5	09/18/2020	
20-09-02633-002	105.1-4	09/12/2020	NURSE OFFICE	35.9	09/18/2020	
20-09-02633-003	105.1-5	09/12/2020	CARDIO BOTTLE	<1.00	09/18/2020	
20-09-02633-004	105.1-7	09/12/2020	103	<1.00	09/18/2020	
20-09-02633-005	105.1-8	09/12/2020	105	1.29	09/18/2020	
20-09-02633-006	105.1-9	09/12/2020	105 BR	11.3	09/18/2020	
20-09-02633-007	105.1-12	09/12/2020	419B	7.15	09/18/2020	
20-09-02633-008	105.1-14	09/12/2020	419C	2.99	09/18/2020	
20-09-02633-009	105.1-15	09/12/2020	CONFERENCE BR	4.12	09/18/2020	
20-09-02633-010	105.1-16	09/12/2020	LIBRARY OFFICE	7.53	09/18/2020	
20-09-02633-011	105.1-17	09/12/2020	BBR	7.59	09/18/2020	
20-09-02633-012	105.1-19	09/12/2020	BBR	4.51	09/18/2020	
20-09-02633-013	105.1-20	09/12/2020	GYM ENTRANCE BOTTLE	<1.00	09/18/2020	

Environmental Hazards Services, L.L.C

Client Number: 33-5980

Report Number: 20-09-02633

Project/Test Address: 2020L-105; Holland High School; 103 Canada St;
Holland, NY

Lab Sample Number	Client Sample ID	Collection Date	Collection Location	Concentration ug/L (ppb)	Analysis Date	Narrative ID
20-09-02633-014	105.1-22	09/12/2020	DISTRICT OFFICE	12.3	09/18/2020	
20-09-02633-015	105.1-23	09/12/2020	LADIES LAV	15.2	09/18/2020	
20-09-02633-016	105.1-25	09/12/2020	LADIES LAV	13.4	09/18/2020	
20-09-02633-017	105.1-26	09/12/2020	CAFE BOTTLE	<1.00	09/18/2020	
20-09-02633-018	105.1-28	09/12/2020	KITCHEN LAV	3.43	09/18/2020	
20-09-02633-019	105.1-29	09/12/2020	KITCHEN	13.7	09/18/2020	
20-09-02633-020	105.1-30	09/12/2020	KITCHEN	9.04	09/18/2020	
20-09-02633-021	105.1-31	09/12/2020	KITCHEN	7.09	09/18/2020	
20-09-02633-022	105.1-32	09/12/2020	KITCHEN	5.10	09/18/2020	
20-09-02633-023	105.1-33	09/12/2020	KITCHEN	3.89	09/18/2020	
20-09-02633-024	105.1-34	09/12/2020	GLR	10.2	09/18/2020	
20-09-02633-025	105.1-39	09/12/2020	MENS LAV GYM	6.87	09/18/2020	
20-09-02633-026	105.1-40	09/12/2020	BREAK ROOM	8.31	09/18/2020	
20-09-02633-027	105.1-41	09/12/2020	BREAK ROOM	<1.00	09/18/2020	
20-09-02633-028	105.1-42	09/12/2020	201	3.65	09/18/2020	
20-09-02633-029	105.1-43	09/12/2020	201	<1.00	09/18/2020	
20-09-02633-030	105.1-44	09/12/2020	201	18.1	09/18/2020	
20-09-02633-031	105.1-45	09/12/2020	201	4.73	09/18/2020	
20-09-02633-032	105.1-46	09/12/2020	GBR	9.76	09/18/2020	
20-09-02633-033	105.1-48	09/12/2020	GBR	4.55	09/18/2020	

Environmental Hazards Services, L.L.C

Client Number: 33-5980

Report Number: 20-09-02633

Project/Test Address: 2020L-105; Holland High School; 103 Canada St;
Holland, NY

Lab Sample Number	Client Sample ID	Collection Date	Collection Location	Concentration ug/L (ppb)	Analysis Date	Narrative ID
20-09-02633-034	105.1-49	09/12/2020	MENS LAV	5.11	09/18/2020	
20-09-02633-035	105.1-50	09/12/2020	204A	1.48	09/18/2020	
20-09-02633-036	105.1-51	09/12/2020	CO 208	<1.00	09/18/2020	
20-09-02633-037	105.1-53	09/12/2020	LADIES LAV	4.63	09/18/2020	
20-09-02633-038	105.1-67	09/12/2020	GBR	4.34	09/18/2020	
20-09-02633-039	105.1-70	09/12/2020	BBR	2.84	09/18/2020	
20-09-02633-040	105.1-71	09/12/2020	111	16.0	09/18/2020	
20-09-02633-041	105.1-72	09/12/2020	111	2.35	09/18/2020	
20-09-02633-042	105.1-82	09/12/2020	221	1.45	09/18/2020	
20-09-02633-043	105.1-90	09/12/2020	NURSE'S BATHROOM	6.40	09/18/2020	
20-09-02633-044	105.1-91	09/12/2020	COACH'S OFFICE	12.0	09/18/2020	
20-09-02633-045	105.1-92	09/12/2020	BLR BOTTLE	<1.00	09/18/2020	
20-09-02633-046	105.1-93	09/12/2020	COACH'S OFFICE	10.8	09/18/2020	
20-09-02633-047	105.1-94	09/12/2020	GLR BOTTLE	<1.00	09/18/2020	

Environmental Hazards Services, L.L.C

Client Number: 33-5980

Report Number: 20-09-02633

Project/Test Address: 2020L-105; Holland High School; 103 Canada St;
Holland, NY

Lab Sample Number	Client Sample ID	Collection Date	Collection Location	Concentration ug/L (ppb)	Analysis Date	Narrative ID
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Method: SM 3113B-2010
Analyst: Jennalee Hertzler
Accreditation #: NY 11714

Reviewed By Authorized Signatory: *Melissa Kanode*

Missy Kanode

QA/QC Clerk

Sample Results denoted with a "less than" (<) sign contain less than the reporting limit which is 1 ppb.

The EPA Maximum Contaminant Level for Lead in Drinking Water is 15 ppb. The results herein conform to NELAC standards, where applicable, unless otherwise narrated on this report. Results represent the analysis of samples submitted by the client. Sample location, description, field parameter results, etc., were provided by the client. This report cannot be reproduced, except in full, without written approval from Environmental Hazards Services, L.L.C.

LEGEND ug/L= micrograms per liter ppb = parts per billion

1.5 Laboratory Certifications

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2021
Issued April 01, 2020

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. JULIE DICKERSON
ENVIRONMENTAL HAZARDS SERVICES, LLC
7469 WHITEPINE ROAD
N. CHESTERFIELD, VA 23237

NY Lab Id No: 11714

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:*

Metals I

Copper, Total	SM 19, 21-23 3113B (-04,-10)
Lead, Total	SM 19, 21-23 3113B (-04,-10)



Department
of Health

Serial No.: 61514

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.



1.6 Chains of Custody



Chain of Custody Document

Submitted to: (Lab Name) EHS

ENVIRONMENTAL CONSULTANTS - A MEMBER OF THE STOHL GROUP OF COMPANIES
 4169 ALLENDALE PKWY. BUFFALO, NEW YORK 14219
 ☎ (716) 312-0070 ■ (716) 312-8092
 www.stohlenvironmental.com

STOHL Job # 2020L-105

Client: Holland CSD

Contact: Scott Christ

Building: Holland High School

Location: 103 Canada St., Holland NY

LEAD

Water by AAS-GF: ASTM D3559-03D, US EPA 200.9 X

Turnaround

20 Days

Sample #	Location	Outlet Type	Time	Cooler Model	Lab ID	Results
105.1-3	Main Office	S	4:50	NA		
105.1-4	Nurse Office	S	4:52	NA		
105.1-5	Cardio Bottle	DFB	4:54	NA		
105.1-7	103	S	4:56	NA		
105.1-8	105	S	4:58	NA		
105.1-9	105 BR	S	5:00	NA		
105.1-12	419B	S	5:02	NA		
105.1-14	419C	S	5:04	NA		
105.1-15	Conference BR	S	5:06	NA		
105.1-16	Library Office	S	5:08	NA		
105.1-17	BBR	S	5:10	NA		
105.1-19	BBR	S	5:12	NA		
105.1-20	Gym Entrnace Bottle	DFB	5:14	NA		
105.1-22	District Office	S	5:16	NA		
105.1-23	Ladies Lav	S	5:18	NA		
105.1-25	Ladies Lav	S	5:20	NA		
105.1-26	Café Bottle	DFB	5:22	NA		
105.1-28	Kitchen Lav	S	5:24	NA		

20-09-02633



Due Date:
10/15/2020
 (Thursday)
 AE

Notes:

Please e-mail lab results to labs@stohlenv.com If checked, also e-mail results to:

Sampled By: Paul Nichols Print Name Stohl Env: Paul Nichols Date: 9/12/2020

Relinquished By: Eric Henderson Jr. Print Name Stohl Env: Eric Henderson Jr. Date: 9/14/2020

Received (Name / Lab): KTHARRIS Kolan Date: 9.17.20 Time: 10:36 AM

Sample Login (Name / Lab): KTHARRIS Kolan Date: 9.17.20 Time: 1:01 PM

Analysis (Name / Lab): Jennalee Hertzler Date: 9/18/20 Time: 11:33 am

QA/QC Review (Name / Lab): Melissa Date: 9/22/20 Time: 1:02pm

Archived / Released: _____ QA/QC InterLAB Use: _____ Date: _____ Time: _____



Chain of Custody Document

ENVIRONMENTAL CONSULTANTS - A MEMBER OF THE STOHL GROUP OF COMPANIES
 4169 ALLENDALE PKWY. BUFFALO, NEW YORK 14219
 ☎ (716) 312-0070 ■ (716) 312-8092
 www.stohlenvironmental.com

Submitted to: (Lab Name) EHS

STOHL Job # 2020L-105

Client: Holland CSD

Contact: Scott Christ

Building: Holland High School

Location: 103 Canada St., Holland NY

LEAD

Water by AAS-GF: ASTM D3559-03D, US EPA 200.9 X

Turnaround

20 Days

Sample #	Location	Outlet Type	Time	Cooler Model	Lab ID	Results
105.1-29	Kitchen	S	5:26	NA		
105.1-30	Kitchen	S	5:28	NA		
105.1-31	Kitchen	S	5:30	NA		
105.1-32	Kitchen	S	5:32	NA		
105.1-33	Kitchen	S	5:34	NA		
105.1-34	GLR	S	5:36	NA		
105.1-39	Mens Lav Gym	S	5:38	NA		
105.1-40	Break Room	S	5:40	NA		
105.1-41	Break Room	IM	5:42	NA		
105.1-42	201	S	5:44	NA		
105.1-43	201	S	5:46	NA		
105.1-44	201	S	5:48	NA		
105.1-45	201	S	5:50	NA		
105.1-46	GBR	S	5:52	NA		
105.1-48	GBR	S	5:54	NA		
105.1-49	Mens Lav	S	5:56	NA		
105.1-50	204A	S	5:58	NA		
105.1-51	CO 208	DFB	6:00	NA		

20-09-02633

Notes:

Please e-mail lab results to labs@stohlenv.com

Sampled By: Paul Nichols Print Name Stohl Env: Paul Nichols Date: 9/12/2020

Relinquished By: E. Henderson Jr Print Name Stohl Env: Eric Henderson Jr. Date: 9/14/2020

Received (Name / Lab): RTHARRIS / St. James Date: 9.17.20 Time: 10:36 AM

Sample Login (Name / Lab): R. James Date: 9.17.20 Time: 1:01 pm

Analysis (Name / Lab): Dannalee Hertzler Date: 9/18/20 Time: 11:33 am

QA/QC Review (Name / Lab): Melissa Kuhn Date: 9/22/20 Time: 11:00 am

Archived / Released: _____ QA/QC InterLAB Use: _____ Date: _____ Time: _____

BLANK

BLANK

Stohl

ENVIRONMENTAL

3860 California Road, Orchard Park, New York 14127

PHONE (716) 312-0070 FAX (716) 312-8092

WWW.STOHLENVIRONMENTAL.COM