

## Water Sampling – Lancaster Middle School Final Report

Stohl Environmental  
3860 California Road Orchard Park, New York 14127  
Phone: 716-312-0070 Fax: 716-312-8092  
www.stohlenvironmental.com

June 3, 2021

Mr. Michael Bryniarski  
Director of Facilities  
Lancaster Central School District  
177 Central Avenue  
Lancaster, NY 14086

RE: Investigation and Sampling of Drinking Water for Lead Concentrations

Dear Mr. Bryniarski:

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

- Lancaster Middle School – 148 Aurora Street, Lancaster, New York.

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

Recap of Initial Sampling and Analysis: In Compliance with New York State regulations, initial first draw water sampling was completed on October 17, 2020 and a total of 10 samples were identified as containing lead concentrations above the New York State Action Level of 15 parts per billion.

Mitigation by District and Follow-up Sampling by Stohl Environmental LLC:

- Following the receipt of initial sampling results, in accordance with guidance received from New York State, the District is reported to have prohibited use of the outlets analyzed as above the New York State Action Level of 15 parts per billion "(1) a lead remediation plan is implemented... and (2) test results indicate that the lead levels are at or below the action level".
- Subsequent to reported mitigation by the District, Stohl Environmental LLC was requested to perform follow-up sampling and laboratory analysis.
- Follow-up sampling was performed by Stohl Environmental LLC in accordance with the requirements and protocols outlined in New York State regulations, as well as United States Environmental Protection Agency Technical Guidance Document "3-T's for Reducing Lead in Drinking Water in Schools".

- Results of Follow-up Sampling: As detailed in Section 1.2 (Executive Summary) of the accompanying report, based upon the follow-up sampling and analysis performed, the following is reported:
  - Of the 10 outlets identified as above the action level in the initial investigation report dated November 30, 2020:
    - 1 outlet was re-sampled on March 6, 2021 and analyzed by a certified and independent laboratory as at or below the action level; thus, cleared for use.
    - 8 outlets were re-sampled on March 6, 2021 and analyzed by a certified and independent laboratory as above action level; therefore, it is recommended that the District continue to prohibit use of the outlet until further mitigation and additional sampling and analysis is performed.
    - 1 outlet was not re-sampled. It has been reported by the District that these locations have been posted with signage indicating these locations are not to be used as a potable source of water and will prohibit potable use of the outlets until further mitigation and additional sampling and analysis is performed.

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

Sincerely,  
Stohl Environmental, LLC  
"Signature of Eric Henderson Jr."  
Senior Project Manager

Investigation and Sampling of Sources of Potable Water for Lead Concentrations Prepared for: Lancaster Central School District Prepared by:

Stohl Environmental  
3860 California Road  
Orchard Park, New York 14127  
Phone (716) 312-0070 Fax (716) 312-8092  
www.stohlenvironmental.com

Conditions as of March 6, 2021

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 New York State
- 1.4. Regulations Laboratory Analytical Reports by
- 1.5. Building Laboratory Certifications
- 1.6. Chains of Custody

1.1 Scope of Work and Sampling Protocol:

Stohl Environmental was retained by Lancaster Central School District to perform follow-up sampling and analysis of potable water outlets that were identified in report dates November 20, 2021 as having lead concentrations greater than the New York State action level of 15 parts per billion. Sampling was performed in the following buildings:

- Lancaster Middle School – 148 Aurora Street, Lancaster, New York.

Scope of Work:

At the direction of the District, Stohl Environmental was charged with collecting first-draw water samples from outlets within the Middle School Laboratory Sinks. Laboratory sinks do not meet the definition of an outlet according to New York State. Outlets are defined in New York State 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 New York State regulations, Subpart 67 -4: Lead Testing in School Drinking Water, and the Environmental Protection Agency guidance document, “3Ts for Reducing Lead in Drinking Water in Schools”, Stohl Environmental's protocol can be summarized as follows:

- ❖ Follow-up Samples were collected to verify initial findings of lead contaminations, to assist in problem assessment to determine remediation, and/or verify that lead levels are at or below action level post-remediation. Confirmatory samples were collected as follows:

- Follow-up 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.
- To supplement follow-up first draw samples, in some instances, Flush samples of 250 mL were collected from cold water outlets after the outlet was run for 30 seconds before any water was used or following a second first-draw sample at the same outlet. 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 New York State Department of Health's Environmental Laboratory Approval Program (E L A P).

## 1.2 Executive Summary of Sampling and Analysis:

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

The date of sample event on 10/17/2020 Lancaster Middle School had a total of 123 samples collected.

The Initial first draw samples had 113 samples at or below action level of 15 parts per billion and 10 samples above action level of 15 parts per billion.

The date of sample event on 3/6/2021 Lancaster Middle School had a total of 9 samples collected. 1 Follow-Up sample was analyzed at or below action level of 15 parts per billion and 8 samples above action level of 15 parts per billion.

There was a grand total of 132 samples taken from 10/30/2020 and 3/6/2021.

Follow-up 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 New York State action level of 15 parts per billion based upon analysis of first draw samples:

Sample 169.2-31	Room 217 Vestibule	Fixture	Sink	Laboratory Analysis parts per billion	36.6
Sample 169.2-31	Room 217 Vestibule	Fixture	Sink	Laboratory Analysis parts per billion	39.9
Sample 169.2-32	Room 218	Fixture	Sink	Laboratory Analysis parts per billion	62.6
Sample 169.2-32	Room 218	Fixture	Sink	Laboratory Analysis parts per billion	49.9
Sample 169.2-34	Art Room 112 Far Left	Fixture	Sink	Laboratory Analysis parts per billion	40.4
Sample 169.2-34	Art Room 112 Far Left	Fixture	Sink	Laboratory Analysis parts per billion	28.8
Sample 169.2-35	Art Room 112 Far Center	Fixture	Sink	Laboratory Analysis parts per billion	18.8
Sample 169.2-35	Art Room 112 Far Center	Fixture	Sink	Laboratory Analysis parts per billion	11.6
Sample 169.2-36	Art Room 112 Far Right	Fixture	Sink	Laboratory Analysis parts per billion	32.5
Sample 169.2-36	Art Room 112 Far Right	Fixture	Sink	Laboratory Analysis parts per billion	39.4
Sample 169.2-37	Art Room 112 Closet Left	Fixture	Sink	Laboratory Analysis parts per billion	61.2
Sample 169.2-37	Art Room 112 Closet Left	Fixture	Sink	Laboratory Analysis parts per billion	35.8
Sample 169.2-38	Art Room 112 Close Center	Fixture	Sink	Laboratory Analysis parts per billion	20.9
Not applicable	Art Room 112 Close Center	Fixture	Sink	Laboratory Analysis parts per billion	not applicable
Sample 169.2-39	Art Room 112 Close Right	Fixture	Sink	Laboratory Analysis parts per billion	15.7
Sample 169.2-39	Art Room 1120 Close Right	Fixture	Sink	Laboratory Analysis parts per billion	28.0
Sample 169.2-52	Room 108	Fixture	Sink	Laboratory Analysis parts per billion	33.5
Sample 169.2-52	Room 108	Fixture	Sink	Laboratory Analysis parts per billion	43.8
Sample 169.2-98	Room 120	Fixture	Sink	Laboratory Analysis parts per billion	15.4
Sample 169.2-98	Room 120	Fixture	Sink	Laboratory Analysis parts per billion	29.8

Not applicable. It has been reported by the district that these locations have been removed from service.

Note: It is recommended that the District continue to prohibit use of any outlet identified above the action level until further mitigation and additional sampling and analysis is performed.

## 1.3 Response Actions Required Under New York State Regulations, Section 67-4.4:

For outlets analyzed with a lead concentration in excess of the New York State 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, LLC  
7469 Whitepine Road  
Richmond, VA 23237  
Telephone: 800-347-4010

##### Lead in Drinking Water Analysis Report

Report Number: 21-03-0 2 2 4 0

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

Received Date: 03/11/2021

Reported Date: 04/05/2021

Sampled By: Paul Nichols

Tech Certification Number:

Project Test Address: 2 0 2 0 L-169 .2; Lancaster Middle School; 148 Aurora Street; Lancaster, NY 14086

Client Number: 33-5 9 8 0

Fax Number: 716-312-8092

##### Laboratory Results

Laboratory Sample Number: 21-03-0 2 2 4 0 -0 0 1

Client Sample Identification Number 169 .2-31

Collection date: 03/06/2021

Room 217 Vestibule

Micrograms per liter: 39.9

Analysis Date: 03/30/2021

Laboratory sample Number 21-03-0 2 2 4 0 -0 0 2

Client Sample Identification Number 169.2-32

Collection date: 03/06/2021

Room 218

Micrograms per liter: 49.9

Analysis date: 03/30/2021

Laboratory Sample Number 21-03-0 2 2 4 0 -0 0 3

Client Sample Identification Number 169.2-34

Collection date: 03/06/2021

Art Room 112 Far Left

Micrograms per liter: 28.8

Analysis Date: 03/30/2021

Laboratory sample Number: 21-03-0 2 2 4 0 -0 0 4

Client Sample Identification Number 169.2-35

Collection date: 03/06/2021

Art Room 1120 Far Center

Micrograms per liter: 11.6

Analysis Date: 03/30/2021

Laboratory sample Number: 21-03-0 2 2 4 0 -0 0 5

Client Sample Identification Number 169.2-36  
Collection date: 03/06/2021  
Art Room 112 Far Right  
Micrograms per liter: 39.4  
Analysis Date: 03/30/2021  
Laboratory sample Number: 21-03-0 2 2 4 0 -0 0 6  
Client Sample Identification Number 169.2-37  
Collection date: 03/06/2021  
Art Room 112 Closet Left  
Micrograms per liter: 35.8  
Analysis Date: 03/30/2021  
Laboratory sample Number: 21-03-0 2 2 4 0 -0 0 7  
Client Sample Identification Number 169.2-39  
Collection date: 03/06/2021  
Art Room 112 Closet Right  
Micrograms per liter 28.0  
Analysis Date: 03/30/2021  
Laboratory sample Number: 21-03-0 2 2 4 0 -0 0 8  
Client Sample Identification Number 169.2-52  
Collection date: 03/06/2021  
Room 108  
Micrograms per liter: 43.8  
Analysis Date: 03/30/2021  
Laboratory sample Number: 21-03-0 2 2 4 0 -0 0 9  
Client Sample Identification Number 169.2-98  
Collection date: 03/06/2021  
Room 120  
Micrograms per liter: 29.8  
Analysis Date: 03/30/2021

Method: SM 3 1 1 3 B – 2 0 1 0

Analyst: Jennalee Hertzler

Accreditation Number: New York 1 1 7 1 4

Reviewed and Authorized Signatory by Tasha Eaddy; Quality Assurance Quality Control Clerk

Sample results denoted with a "less than" (<) sign contain less than the reporting limit which is 1 part per billion.

The EPA Maximum Contaminant Level for Lead in Drinking Water is 15 parts per billion. The results herein conform to National Environmental Laboratory Accreditation Conference 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, were provided by the client. This report cannot be reproduced, except in full, without written approval from Environmental Hazards Services, L.L.C.

### 1.5 Laboratory Certifications

New York State Department of Health Wadsworth Center

Expires 12:01 AM April 01, 2022

Issued April 01, 2021

Revised April 02, 2021

Certificate of Approval for Laboratory Service

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

New York Laboratory Identification Number: 1 1 7 1 4

Ms. Julie Dickerson

Environmental Hazards Services, L.L.C.

7469 Whitepine Road

North Chesterfield, VA 23237

is hereby approved as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2016) for the category Environmental Analyses Potable Water.

All approved analytes are listed below:

Metals 1

Arsenic, Total EPA 200.8 Rev. 5.4

Copper, Total S M 19, 21-23 3 1 1 3 B (-04, -10)

Copper, Total EPA 200.8 Rev. 5.4

Lead, Total S M 19, 21-23 3 1 1 3 B (-04, -10)

Lead, Total EPA 200.8, Rev. 5.4

Manganese, Total EPA 200.8, Rev. 5.4

Serial Number: 6 3 4 8 5

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 Environmental Hazards Services, L.L.C.

Stohl Job Number: 2 0 2 0 L -169 .2

Lancaster Central School District

Contact: Michael Bryniarski

Lancaster Middle School

148 Aurora Street, Lancaster, New York 14086

Lead: Water by S M 19, 21-23 3 1 1 3 B (-04, -10)

Turnaround 20 days

Sample 169 .2-31 Room 217 Vestibule

Outlet Type: Sink Time: 7:03

Sample 169 .2-32 Room 218

Outlet Type: Sink Time: 7:05

Sample 169 .2-34 Art Room 112 Far Left

Outlet Type: Sink Time: 7:07

Sample 169 .2-35 Art Room 112 Far Center

Outlet Type: Sink Time: 7:09



Sample 169 .2-36	Art Room 112 Far Right	Outlet Type: Sink	Time: 7:11
Sample 169 .2-37	Art Room 112 Closet Left	Outlet Type: Sink	Time: 7:13
Sample 169 .2-39	Art Room 112 Closet Right	Outlet Type: Sink	Time: 7:15
Sample 169 .2-52	Room 108	Outlet Type: Sink	Time: 7:17
Sample 169 .2-98	Room 120	Outlet Type: Sink	Time: 7:19

Due Date: 04/08/2021 -(Thursday)

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

Ehenderson@StohlEnv.com

Sampled By: Paul Nichols Stohl Environmental 03/06/2021

Relinquished By: Eric Henderson Jr. 03/08/2021

Received (Name, Laboratory): K. Harris 03/11/21 at 10:42am

Sample Login (Name, Laboratory): Traci Bloom 03/15/2021 at 7:33am

Analysis (Name, Laboratory): J. Hertzler 03/30/2021 at 11:11am

Quality Assurance Quality Control Clerk (Name/Laboratory): T. Eaddy 4/5/2021 at 10:49am

Archived, Released: