Water Sampling – Central Avenue School Final Report

Stohl Environmental
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June 3, 2021

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

Regarding: Follow-Up 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:
Central Avenue School – 149 Central Avenue, 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 (p p b)".

Recap of Initial Sampling and Analysis: In Compliance with New York State regulations, initial first draw water sampling was completed on October 24, 2020 and a total of 8 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 8 outlets identified as above the action level in the initial investigation report dated November 30, 2020:

    - 3 outlets were 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.

    - 5 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.

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

"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
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Conditions as of March 6, 2021

Summary Tabulation
Lead in Drinking Water Investigation

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Lancaster Central School District
Central Avenue School
File Number 2020L-169.10
Follow-Up Sampling as of 3/6/2021

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 dated November 30, 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:

Central Avenue School – 149 Central Avenue, Lancaster, New York.

Scope of Work:
Stohl Environmental was charged with collecting follow-up water samples from outlets which previously were analyzed as having lead concentrations above 15 parts per billion in the Pleasant View Building. 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 10/24/2020 Central Avenue School had a total of 43 samples collected. The First draw samples had 35 samples at or below action level of 15 parts per billion and 8 samples above action level of 15 parts per billion.

The date of sample event on 3/6/2021 Central Avenue School had a total of 8 samples collected. 3 Follow-Up samples were analyzed at or below action level of 15 parts per billion and 5 samples above action level of 15 parts per billion.

There was a grand total of 51 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.

Sample Results: Initial First Draw and Follow-up First Draw:

10/24/2020	Sample 169.10-20	Room 19	Fixture	Sink	Laboratory Analysis parts per billion	17.5
3/6/2021	Sample 169.10-20	Room 19	Fixture	Sink	Laboratory Analysis parts per billion	23.5
10/24/2020	Sample 169.10-29	Women's Lavatory Door Side	Fixture	Sink	Laboratory Analysis parts per billion	15.3
3/6/2021	Sample 169.10-29	Women's Lavatory Door Side	Fixture	Sink	Laboratory Analysis parts per billion	10.6
10/24/2020	Sample 169.10-30	Women's Lavatory Window Side	Fixture	Sink	Laboratory Analysis parts per billion	31.3
3/6/2021	Sample 169.10-30	Women's Lavatory Window Side	Fixture	Sink	Laboratory Analysis parts per billion	less than 1
10/24/2020	Sample 169.10-31	Men's Lavatory Closest to Door	Fixture	Sink	Laboratory Analysis parts per billion	21.8
3/6/2021	Sample 169.10-31	Men's Lavatory Closest to Door	Fixture	Sink	Laboratory Analysis parts per billion	24.9
10/24/2020	Sample 169.10-33	Men's Lavatory Center Left	Fixture	Sink	Laboratory Analysis parts per billion	17.7
3/6/2021	Sample 169.10-33	Men's Lavatory Center Left	Fixture	Sink	Laboratory Analysis parts per billion	14.8
10/24/2020	Sample 169.10-35	Room 135	Fixture	Sink	Laboratory Analysis parts per billion	33.2
3/6/2021	Sample 169.10-35	Room 135	Fixture	Sink	Laboratory Analysis parts per billion	21.9
10/24/2020	Sample 169.10-41	Room 131	Fixture	Sink	Laboratory Analysis parts per billion	36.4
3/6/2021	Sample 169.10-41	Room 131	Fixture	Sink	Laboratory Analysis parts per billion	20.7
10/24/2020	Sample 169.10-42	Boy's Lavatory	Fixture	Sink	Laboratory Analysis parts per billion	17.2
3/6/2021	Sample 169.10-42	Boy's Lavatory	Fixture	Sink	Laboratory Analysis parts per billion	16.4

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 then 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 3 8
Client: Stohl Environmental 3860 California Road Orchard Park, NY 14127
Received Date: 03/11/2021
Reported Date: 04/06/2021
Sampled By: Paul Nichols
Tech Certification Number:
Project Test Address: 2 0 2 0 L-169 .10; Central Avenue; 149 Central Avenue, 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 3 8 -0 0 1
Client Sample Identification Number 169 .10-20
Collection date: 03/06/2021
Room 19
Micrograms per liter: 23.5
Analysis Date: 03/29/2021
Laboratory sample Number 21-03-0 2 2 3 8 -0 02
Client Sample Identification Number 169.10-29
Collection date: 03/06/2021
Women's Lavatory Door Side
Micrograms per liter: 10.6
Analysis date: 03/29/2021
Laboratory Sample Number 21-03-0 2 2 3 8 -0 0 3
Client Sample Identification Number169.10-30
Collection date: 03/06/2021
Women's Lavatory Window
Micrograms per liter: less than 1
Analysis Date: 03/29/2021
Laboratory sample Number: 21-03-0 2 2 3 8 -0 0 4
Client Sample Identification Number 169.10-31
Collection date: 03/06/2021
Men's Lavatory Closest to Door
Micrograms per liter: 24.9
Analysis Date: 03/29/2021
Laboratory sample Number: 21-03-0 2 2 3 8 -0 0 5
Client Sample Identification Number 169.10-33
Collection date: 03/06/2021
Men's Lavatory Center Left
Micrograms per liter: 14.8

Analysis Date: 03/29/2021
Laboratory sample Number: 21-03-0 2 2 3 8 -0 0 6
Client Sample Identification Number 169.10-35
Collection date: 03/06/2021
Room 135
Micrograms per liter: 21.9
Analysis Date: 03/29/2021
Laboratory sample Number: 21-03-0 2 2 3 8 -0 0 7
Client Sample Identification Number 169.10-41
Collection date: 03/06/2021
Room 131
Micrograms per liter 20.7
Analysis Date: 03/29/2021
Laboratory sample Number: 21-03-0 2 2 3 8 -0 0 8
Client Sample Identification Number 169.10-42
Collection date: 03/06/2021
Boy's Lavatory
Micrograms per liter: 16.4
Analysis Date: 03/29/2021

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
Properly 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 .10
Lancaster Central School District
Contact: Michael Bryniarski
Central Avenue
149 Central Avenue, Lancaster, New York 14086
Lead: Water by S M 19, 21-23 3 1 1 3 B (-04, -10)
Turnaround 20 days

Sample 169 .10-20	Room 19	Outlet Type: Sink	Time:	11:00
Sample 169 .10-29	Women’s Lavatory Door Side	Outlet Type: Sink	Time:	11:02
Sample 169 .10-30	Women’s Lavatory Window Side	Outlet Type: Sink	Time:	11:04
Sample 169 .10-31	Men’s Lavatory Closest to Door	Outlet Type: Sink	Time:	11:06

Sample 169 .10-33	Men’s Lavatory Center Left	Outlet Type: Sink	Time:	11:08
Sample 169 .10-35	Room 135	Outlet Type: Sink	Time:	11:10
Sample 169 .10-41	Room 131	Outlet Type: Sink	Time:	11:12
Sample 169 .10-42	Boy’s Lavatory	Outlet Type: Sink	Time:	11:14

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 10:41am
Sample Login (Name, Laboratory): Traci Bloom 03/15/2021 at 7:31am
Analysis (Name, Laboratory}: J. Hertzler 03/29/2021 at 2:12pm
Quality Assurance Quality Control Clerk (Name/Laboratory): T. Eaddy 04/05/2021 at 1:41pm
Archived, Released: