

November 4, 2016

David Spacone
City School District of the City of Niagara Falls
Director of Facilities
630 – 66<sup>th</sup> Street
Niagara Falls, NY 14304

Re: Investigation and Sampling of Drinking Water for Lead Concentrations

Dear Mr. David Spacone:

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

79<sup>th</sup> Street Elementary School, 551 79<sup>th</sup> St, Niagara Falls, New York

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 9/23/2016 and 9/24/2016. 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, 12 sources of potable water in 79<sup>th</sup> Street Elementary 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 City School District of the City of Niagara Falls.

Sincerely,

Stohl Environmental, LLC.

Null Fre

William K. Sisco

Senior Project Manager

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

## **Prepared for:**

David Spacone
City School District of the City of Niagara Falls
Director of Facilities
630 – 66<sup>th</sup> Street
Niagara Falls, NY 14304

Prepared by:



## **ENVIRONMENTAL CONSULTANTS - A MEMBER OF THE STOHL GROUP OF COMPANIES**

Conditions as of September 23 - 24, 2016



## **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
- 1.4. Laboratory Analytical Reports by Building
- 1.5. Laboratory Certifications
- 1.6. Chains of Custody



### 1.1 Sampling Protocol and Summary of Results:

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

• 79<sup>th</sup> Street Elementary School, 551 79<sup>th</sup> St, Niagara Falls, New York

## Scope of Work:

Stohl Environmental was charged with collecting first-draw water samples from all outlets in 79<sup>th</sup> Street Elementary 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.
- Service Connection Sampling: Samples were collected at the service connection as follows:
  - Service Connection Sample: As detailed in EPA guidance documents, this sample is not a first-draw sample. The cold water tap closest to the service connection was opened, and the sample was collected immediately after a change in water temperature was detected, or after 30 seconds.
  - Water Main Sample: This sample was collected at the same location as the Service Connection sample; however, it was collected after water was allowed to run an additional 3 minutes after the temperature change, but not more than 3 minutes and 30 seconds.
- 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	Date of	Total	First Draw	/ Samples	Confirmatory Samples **		
Name	Sample Event	Number Samples Collected	Number of Samples Below Action level of 15 ppb	Number of Samples Above Action Level of 15 ppb	Number of Samples Below Action level of 15 ppb	Number of Samples Above Action Level of 15 ppb	
79 <sup>th</sup> Street Elementary School	9/23/2016 and 9/24/2016	82	70	12	0	0	

<sup>\*\*</sup> 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 o	f First Draw S	Samples and Confirmatory Samples							
Sample #	Sample	Classroom or other Location	Fixture/Outlet	Laboratory					
	Type		type	Analysis in					
				ppb					
111.1-7	First Draw	Classroom 101, Bathroom	Left Sink	15.5					
111.1-37	First Draw	Basement, Bathroom	Small Sink	19.7					
111.1-38	First Draw	Basement, Bathroom	Large Low Sink	337					
111.1-46	First Draw	Girl's Coach Office, Adj to Gymnasium	Sink	16.6					
111.1-61	First Draw	Wmn's Bathroom, Adj to Classroom 212	Sink	19.4					
111.1-74	First Draw	Guidance Office, Adj to Library	Sink	37.5					
111.1-77	First Draw	Ext of Cafeteria / Storage Room	Hose Bib	97.6					
111.1-78	First Draw	Ext of Classroom 105	Hose Bib	34.6					
111.1-79	First Draw	Ext of Classroom 102	Hose Bib	1030					
111.1-80	First Draw	Ext of Classroom 107	Hose Bib	89.8					
111.1-81	First Draw	Ext of Classroom 109	Hose Bib	1600					
111.1-82	First Draw	Ext of Clinic / Classroom 111	Hose Bib	733					



## 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

### **Analysis Report**

## Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117 804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Stohl Environmental, LLC (4507)

Address: 4169 Allendale Parkway

Blasdell, NY 14219

Attn:

Project: 79th Street Elem
Location: 551 79th St
Number: 2016-111.1

Order #:

MatrixDrinking WaterReceived09/29/16Reported11/03/16

186527

PO Number:

Sample ID	Cust. Sample ID	Location					
Parameter		Method	Result	RL*	Units	Analysis Date	Analyst
186527-001	111.1-1 WMF	Basement					
Metals An	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-002	111.1-2 WMTC	Basement					
Metals An	alysis						
Lead		EPA 200.9 Rev 2.2	9.76	5.00	μg/L	11/01/16	SA
186527-003	111.1-3	Classroom 106					
Metals An	alysis						
Lead		EPA 200.9 Rev 2.2	8.86	5.00	μg/L	11/01/16	SA
186527-004	111.1-4	106 Bathroom					
Metals An	alysis						
Lead		EPA 200.9 Rev 2.2	6.32	5.00	μg/L	11/01/16	SA
186527-005	111.1-5	106 Bathroom					
Metals An	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-006	111.1-6	101					
Metals An	alysis						
Lead		EPA 200.9 Rev 2.2	11.3	5.00	μg/L	11/01/16	SA
186527-007	111.1-7	101 Bathroom					
Metals An	alysis						
Lead		EPA 200.9 Rev 2.2	15.5	5.00	μg/L	11/01/16	SA
186527-008	111.1-8	101 Bathroom					
Metals An	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-009	111.1-9	101 Bathroom					
Metals An	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-010	111.1-10	107					
Metals An	alysis						
Lead		EPA 200.9 Rev 2.2	5.63	5.00	μg/L	11/01/16	SA
186527-011	111.1-11	107					
Metals An	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA

### **Analysis Report**

## Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117 804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

**Customer:** Stohl Environmental, LLC (4507)

Address: 4169 Allendale Parkway

Blasdell, NY 14219

Attn:

Project: 79th Street Elem
Location: 551 79th St
Number: 2016-111.1

Order #: 186527

MatrixDrinking WaterReceived09/29/16Reported11/03/16

PO Number:

Sample ID	Cust. Sample ID	Location					
Parameter		Method	Result	RL*	Units	Analysis Date	Analyst
186527-012	111.1-12	107 Bathroom					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-013	111.1-13	107 Bathroom					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	13.8	5.00	μg/L	11/01/16	SA
186527-014	111.1-14	108					
Metals An	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-015	111.1-15	102					
Metals An	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-016	111.1-16	102 Bathroom					
Metals An	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-017	111.1-17	102 Bathroom					
Metals An	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-018	111.1-18	103					
Metals An	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-019	111.1-19	103					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-020	111.1-20	103 Bathroom					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-021	111.1-21	109					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	6.56	5.00	μg/L	11/01/16	SA
186527-022	111.1-22	110					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA

### **Analysis Report**

## Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117 804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

**Customer:** Stohl Environmental, LLC (4507)

Address: 4169 Allendale Parkway

Blasdell, NY 14219

Attn:

Project: 79th Street Elem
Location: 551 79th St
Number: 2016-111.1

Order #:

MatrixDrinking WaterReceived09/29/16Reported11/03/16

186527

PO Number:

Sample ID	Cust. Sample ID	Location					
Parameter		Method	Result	RL*	Units	Analysis Date	Analyst
186527-023	111.1-23	104					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-024	111.1-24	104 Bathroom					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-025	111.1-25	104 Bathroom					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-026	111.1-26	104 Bathroom					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	15.0	5.00	μg/L	11/01/16	SA
186527-027	111.1-27	111					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-028	111.1-28	Hall Between Bathrooms					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-029	111.1-29	Girls Bathroom					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-030	111.1-30	Girls Bathroom					
Metals Ana	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-031	111.1-31	Boys Bathroom					
Metals Ana	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-032	111.1-32	Boys Bathroom					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-033	111.1-33	105					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	5.57	5.00	μg/L	11/01/16	SA

### **Analysis Report**

## Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117 804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Stohl Environmental, LLC (4507)

Address: 4169 Allendale Parkway

Blasdell, NY 14219

Attn:

Project: 79th Street Elem
Location: 551 79th St
Number: 2016-111.1

Order #: 186527

MatrixDrinking WaterReceived09/29/16Reported11/03/16

PO Number:

Sample ID	Cust. Sample ID	Location					
Parameter		Method	Result	RL*	Units	Analysis Date	Analyst
186527-034	111.1-34	105 Bathroom					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-035	111.1-35	Clinic Bathroom					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-036	111.1-36	Main Office Storage Lav					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-037	111.1-37	Basement Bathroom					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	19.7	5.00	μg/L	11/01/16	SA
186527-038	111.1-38	Basement Bathroom					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	337	100	μg/L	11/01/16	SA
186527-039	111.1-39	Kitchen					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	9.20	5.00	μg/L	11/01/16	SA
186527-040	111.1-40	Kitchen					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	6.32	5.00	μg/L	11/01/16	SA
186527-041	111.1-41	Womens Bathroom					
Metals And	alysis				_		
Lead		EPA 200.9 Rev 2.2	6.66	5.00	μg/L	11/01/16	SA
186527-042	111.1-42	Mens Bathroom					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-043	111.1-43	Boys Coach Office					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	5.58	5.00	μg/L	11/01/16	SA
186527-044	111.1-44	Boys Locker Room Bathroo	m				
Metals And	alysis	EDA 000 0 D 0 0		<b>5</b> 00	,,	44/04/40	0.4
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA

# SLGi\*

### **Analysis Report**

## Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117 804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

**Customer:** Stohl Environmental, LLC (4507)

Address: 4169 Allendale Parkway

Blasdell, NY 14219

Attn:

Project: 79th Street Elem
Location: 551 79th St
Number: 2016-111.1

Order #:

186527

Matrix Received Reported Drinking Water 09/29/16 11/03/16

PO Number:

Sample ID	Cust. Sample ID	Location					
Parameter		Method	Result	RL*	Units	Analysis Date	Analyst
186527-045	111.1-45	Boys Locker Room Bathroon	m				
Metals Ana	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-046	111.1-46	Girls Coach Office					
Metals Ana	alysis						
Lead		EPA 200.9 Rev 2.2	16.6	5.00	μg/L	11/01/16	SA
186527-047	111.1-47	Girls Locker Room					
Metals Ana	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-048	111.1-48	Girls Locker Room					
Metals Ana	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-049	111.1-49	207					
Metals Ana	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-050	111.1-50	Boys Bathroom					
Metals Ana	alysis						
Lead		EPA 200.9 Rev 2.2	6.99	5.00	μg/L	11/01/16	SA
186527-051	111.1-51	Boys Bathroom					
Metals Ana	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-052	111.1-52	Girls Bathroom					
Metals Ana	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-053	111.1-53	Girls Bathroom					
Metals And	alysis				_		
Lead		EPA 200.9 Rev 2.2	6.35	5.00	μg/L	11/01/16	SA
186527-054	111.1-54	Hall Between Bathrooms					
Metals And	alysis	EDA 000 0 D 0 0		<b>5</b> .00	,,	44/04/40	0.4
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-055	111.1-55	201					
Metals And	alysis	EDA 000 0 D				44/0://5	0.4
Lead		EPA 200.9 Rev 2.2	6.46	5.00	μg/L	11/01/16	SA

### **Analysis Report**

## Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117 804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Stohl Environmental, LLC (4507)

Address: 4169 Allendale Parkway

Blasdell, NY 14219

Attn:

Project: 79th Street Elem
Location: 551 79th St
Number: 2016-111.1

**Order #**: 186527

MatrixDrinking WaterReceived09/29/16Reported11/03/16

PO Number:

Sample ID Parameter	Cust. Sample ID	Location Method	Result	RL*	Units	Analysis Date	Analyst
	111 1 50		Result	KL.	Units	Alialysis Date	AllalySt
186527-056	111.1-56	208					
Metals And Lead	aiysis	EPA 200.9 Rev 2.2	9.03	5.00	μg/L	11/01/16	SA
186527-057	111.1-57	202	0.00	0.00	F-9' -	, ,	<b>U</b>
Metals And		202					
Lead	ary 515	EPA 200.9 Rev 2.2	8.28	5.00	μg/L	11/01/16	SA
186527-058	111.1-58	209					
Metals Ana	alysis						
Lead	•	EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/01/16	SA
186527-059	111.1-59	203					
Metals Ana	alysis						
Lead		EPA 200.9 Rev 2.2	8.49	5.00	μg/L	11/01/16	SA
186527-060	111.1-60	Mens Bathroom					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	12.8	5.00	μg/L	11/01/16	SA
186527-061	111.1-61	Womens Bathroom					
Metals Ana	alysis						
Lead		EPA 200.9 Rev 2.2	19.4	5.00	μg/L	11/02/16	SA
186527-062	111.1-62	Staff Lounge					
Metals Ana	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/02/16	SA
186527-063	111.1-63	204					
Metals Ana	alysis						
Lead		EPA 200.9 Rev 2.2	10.1	5.00	μg/L	11/02/16	SA
186527-064	111.1-64	Hall Across From 204					
Metals Ana	alysis						
Lead		EPA 200.9 Rev 2.2	6.73	5.00	μg/L	11/02/16	SA
186527-065	111.1-65	210					
Metals Ana	alysis						
Lead		EPA 200.9 Rev 2.2	8.24	5.00	μg/L	11/02/16	SA
186527-066	111.1-66	205					
<i>Metals And</i> Lead	alysis	EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/02/16	SA

### **Analysis Report**

## Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117 804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Stohl Environmental, LLC (4507)

Address: 4169 Allendale Parkway

Blasdell, NY 14219

Attn:

Project: 79th Street Elem
Location: 551 79th St
Number: 2016-111.1

Order #:

186527

Matrix Received

Reported

Drinking Water 09/29/16

09/29/16 11/03/16

PO Number:

Sample ID	Cust. Sample ID	Location					
Parameter		Method	Result	RL*	Units	Analysis Date	Analyst
186527-067	111.1-67	211					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	10.0	5.00	μg/L	11/02/16	SA
186527-068	111.1-68	Girls Bathroom					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/02/16	SA
186527-069	111.1-69	Girls Bathroom					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/02/16	SA
186527-070	111.1-70	Boys Bathroom					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/02/16	SA
186527-071	111.1-71	Boys Bathroom					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/02/16	SA
186527-072	111.1-72	Hall Across From 211					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/02/16	SA
186527-073	111.1-73	206					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	6.88	5.00	μg/L	11/02/16	SA
186527-074	111.1-74	Guidance Office					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	37.5	5.00	μg/L	11/02/16	SA
186527-075	111.1-75	Stem Lab					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/02/16	SA
186527-076	111.1-76	Stem Lab Small Room					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	<5.00	5.00	μg/L	11/02/16	SA
186527-077	111.1-77	Outside Cafeteria					
Metals And	alysis			_			
Lead		EPA 200.9 Rev 2.2	97.6	25.0	μg/L	11/02/16	SA

## **SLGi**\*

### **Analysis Report**

## Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117 804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

**Customer:** Stohl Environmental, LLC (4507)

Address: 4169 Allendale Parkway

Blasdell, NY 14219

Attn:

Project: 79th Street Elem
Location: 551 79th St
Number: 2016-111.1

Order #:

186527

Matrix Received Reported Drinking Water 09/29/16

11/03/16

PO Number:

Sample ID	Cust. Sample ID	Location					
Parameter		Method	Result	RL*	Units	Analysis Date	Analyst
186527-078	111.1-78	Outside 105					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	34.6	5.00	μg/L	11/02/16	SA
186527-079	111.1-79	Outside 102					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	1030	250	μg/L	11/02/16	SA
186527-080	111.1-80	Outside 107					
Metals Ana	alysis						
Lead		EPA 200.9 Rev 2.2	89.8	50.0	μg/L	11/02/16	SA
186527-081	111.1-81	Outside 109					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	1600	250	μg/L	11/02/16	SA
186527-082	111.1-82	Outside Clinic					
Metals And	alysis						
Lead		EPA 200.9 Rev 2.2	733	250	μg/L	11/02/16	SA

**EPA Regulatory Limits** 

186527-11/03/16 10:00 AM

 $\begin{array}{ccc} \text{Parameter} & \text{Reg. Limit} & \text{Unit} \\ \text{Lead} & 15.0 & \mu\text{g/L} \end{array}$ 

Abisola O Kasali
Reviewed By: Abisola Kasali

Med by: Abisola Kasali Metals Supervisor



### **Analysis Report**

## Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117 804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Stohl Environmental, LLC (4507)

Address: 4169 Allendale Parkway

Blasdell, NY 14219

Attn:

Project: 79th Street Elem
Location: 551 79th St
Number: 2016-111.1

**Order #:** 186527

Matrix Drinking Water Received 09/29/16

Reported 09/29/16 Reported 11/03/16

PO Number:

Sample ID Cust. Sample ID Location

Parameter Method Result RL\* Units Analysis Date Analyst

### **Certifications**

Parameter	Method	Matrix	CA	СТ	FL	NJ	NY	RI	VA
Lead	EPA 200.9 Rev 2.2	Drinking Water	X	Χ	Χ	Χ	Χ	Χ	X

## <u>Key</u>

State	Regulatory Agency - Lab ID	Certificate Number
CA	CA ELAP	2078
CT	CT DPH	PH-0118
FL	FL ELAP	E87828
NJ	NJDEP	NLC160001
NY	NYELAP-11413	55043
RI	RIDOH	LAO00084
VA	Virginia DCLS/DEQ - 460135	8615

<sup>&#</sup>x27;X' indicates that the analyte is accredited.

If your state is not listed above, call laboratory for accreditation/certification information.



1.5 Laboratory Certifications



Expires 12:01 AM April 01, 2017 Issued September 22, 2016

### CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

MR. FAYEZ ABOUZAKI SCHNEIDER LABORATORIES GLOBAL, INC. 2512 WEST CARY STREET RICHMOND, VA 23220-5117

NY Lab Id No: 11413

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

Lead, Total

EPA 200.9 Rev. 2.2



ork Department TATE of Health

Serial No.: 55043

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.





Expires 12:01 AM April 01, 2017 Issued April 01, 2016

#### CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

MR. FAYEZ ABOUZAKI SCHNEIDER LABORATORIES GLOBAL, INC 2512 WEST CARY STREET RICHMOND, VA 23220-5117 NY Lab Id No: 11413

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER

All approved analytes are listed below:

Metals I

Lead, Total EPA 200.7 Rev. 4.4

EPA 6010C EPA 7000B

**EPA 3020A** 

EPA 200.9 Rev. 2.2

Sample Preparation Methods

EPA 3010A EPA 3005A

Department OF Health

Serial No.: 54667

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.





Expires 12:01 AM April 01, 2017 Issued April 01, 2016

### CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

MR. FAYEZ ABOUZAKI SCHNEIDER LABORATORIES GLOBAL, INC 2512 WEST CARY STREET RICHMOND, VA 23220-5117

NY Lab Id No: 11413

**EPA 8082A** 

EPA 3050B EPA 3550C EPA 3031

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

Characteristic Testing		Polychlorinated Biphenyls
TCLP	EPA 1311	PCB-1268
Metals I		Sample Preparation Methods
Barium, Total	EPA 6010C	
Cadmium, Total	EPA 6010C	
Chromium, Total	EPA 6010C	' Department
Lead, Total	EPA 6010C	
	EPA 7000B	IE of Health
Nickel, Total	EPA 6010C	
Silver, Total	EPA 6010C	
Metals II		
Antimony, Total	EPA 6010C	
Arsenic, Total	EPA 6010C	
Chromium VI	EPA 7196A	
Mercury, Total	EPA 7471B	
Selenium, Total	EPA 6010C	
Polychlorinated Biphenyls		
PCB-1016	EPA 8082A	
PCB-1221	EPA 8082A	
PCB-1232	EPA 8082A	
PCB-1242	EPA 8082A	
PCB-1248	EPA 8082A	
PCB-1254	EPA 8082A	
PCB-1260	EPA 8082A	

Serial No.: 54668

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.

**EPA 8082A** 



PCB-1262



Expires 12:01 AM April 01, 2017 Issued April 01, 2016

#### CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

MR. FAYEZ ABOUZAKI SCHNEIDER LABORATORIES GLOBAL, INC 2512 WEST CARY STREET RICHMOND, VA 23220-5117 NY Lab Id No: 11413

is hereby APPROVED as an Environmental Laboratory for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE All approved subcategories and/or analytes are listed below:

#### Miscellaneous

Asbestos in Friable Material

EPA 600/M4/82/020

Asbestos in Non-Friable Material-PLM

Item 198.6 of Manual (NOB by PLM)

Lead in Dust Wipes

**EPA 7000B** 

Lead in Paint

EPA 7000B

**EPA 3050B** 

Sample Preparation Methods

YORK STATE

W<sub>RK</sub> Department ATE of Health

Serial No.: 54669

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.



Expires 12:01 AM April 01, 2017 Issued April 01, 2016

### CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

MR. FAYEZ ABOUZAKI SCHNEIDER LABORATORIES GLOBAL, INC 2512 WEST CARY STREET RICHMOND. VA 23220-5117 NY Lab Id No: 11413

is hereby APPROVED as an Environmental Laboratory for the category ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:

Metals I

Lead, Total NIOSH 7082

40 CFR PART 50 1984 APP G

Miscellaneous

Fibers NIOSH 7400 A RULES



Department of Health

Serial No.: 54670

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



Submitted to: (Lab Name)

Schneider

ENVIRONMENTAL CONSULTANTS - A MEMBER OF THE STOHL GROUP OF COMPANIES

STOHL Job#

2016-111.1

	4169 ALLENDALE PKWY. BUFALO, NEW YORK, 14219  (716) 312-2070 m (716) 312-8092  www.stohlenvironmental.com					
Client:	Niagara Falls CSD	: · · ·	Contact	Dave Spacone		
Building:	79th Street Elem.		Location	551 79th St.		 
LEAD Water by	AAS-GF: ASTM D3559-03D, US EPA 200.9	x			Turnaround 5 Days	

Sample #	Location	Outlet Type	Time	Cooler Model
111.1-1 WMF	Basement	HB	12:00	0
111.1-2 WMTC	Basement	HB	12:03	0
111.1-3	Classroom 106	S	8:44	0
111.1-4	106 bathroom	S	8:45	0
111.1-5	106 þathroom	В	8:45	0
111.1-6	101	S	8.48	0
111.1-7	101 bathroom	S	8:49	0
111.1-8	101 bathroom	S	8:49	0
111.1-9	101 bathroom	В	8:50	0
111.1-10	107	° S	8:55	0
111.1-11	107	В	8:55	0
111.1-12	107 bathroom	S	8:56	0
111.1-13	107 bathroom	S	8:56	0
111.1-14	108	S	8:58	0
111.1-15	102	0	8:58	0
111.1-16	102 bathroom	0	8:59	0
111.1-17	102 bathroom	. 0	8:59	0
111.1-18	103	S	9:04	0

Lab ID	Results
. * .	
1	.*

186527		S 82
	SINGL BING HEN	
	Bilds Bilts ther	

V:\186\186527

fghraizi

9/29/2016 2:4 5:00 FM

Federal Express

78420 )410931

Please e-mail lab results to lab	s@stohlenv.com	ked, also e-r	mail results to:			
Sampled By: Tim Thrift	Print Name	Stohl Env:	Tim Thrift	Date:	9/24/2016	
Relinquished By: _ £ · /	ALQ_ Print Name	Stohl Env:	Eric Henderson Jr.	Date:	9/27/2016	ar e
Received (Name / Lab):		Date:		Time:	· · · · · · · · · · · · · · · · · · ·	
Sample Login (Name / Lab):		Date:	MANAGEMENT AND ADMINISTRATION OF THE PROPERTY	Time:	:	
Analysis (Name / Lab):		Date:		Time:		
QA/QC Review (Name / Lab):		Date:		Time:	<u> </u>	<u> </u>
Archived / Released:	_QA/QC InterLAB Use:	Date:		Time		
	<b>D</b>					



Submitted to: (Lab Name)

Schneider

ENVIRONMENTAL CONSULTANTS - A MEMBER OF THE STOHL GROUP OF COMPANIES
4169 ALLENDALE PKWY. BUFFALO, NEW YORK 14219
\$\mathbb{R}(716)312-0070 \mathbb{R}(716)312-0092
www.stofilenvironmental.com

STOHL Job#

2016-111.1

AD ter by AAS-GF	F: ASTM D3559-03D, US EP.	A 200.9	X		<i>naround</i> Days	
Sample #	Location	Outlet Type	Time	Cooler Model	Lab ID	Resu
111.1-19	103	В	9:05	0		-
111.1-20	103 bathroom	S	9:05	.0		-
111.1-21	109	S	9:08	0		
111.1-22	110	S	9:10	0		
111.1-23	104	s	9:12	0		
111.1-24	104 bathroom	S	9:12	0		
111.1-25	104 bathroom	В	9:13	0		
111.1-26	104 bathroom	S	9:13	0		
111.1-27	111	S	9:15	0		
111.1-28	Hall between bathrooms	В	9:16	0		
111.1-29	Girls bathroom	S	9:18	0		
111.1-30	Girls bathroom	s	9:18	0		
111.1-31	Boys bathroom	S	9:20	. 0		
111.1-32	Boys bathroom	S	9:20	. 0		
111.1-33	105	S	9:23	0		
111.1-34	105 bathroom	S	9:23	0		
111.1-35	Clinic bathroom	S	9:25	. 0		
	Main Office storage lav	s	9:28	0		

Sampled By: Tim Thrift	Print Name	Stohl Env: Tim Thrift	Date: 9/24/2016
Relinquished By:	LLG_ Print Name	Stohl Env: Eric Henderson Jr.	Date: 9/27/2016
Received (Name / Lab):		Date:	Time:
Sample Login (Name / Lab):	. <del> </del>	Date:	Time:
Analysis (Name / Lab):		Date:	Time:
QA/QC Review (Name / Lab):		Date:	Time:
Archived / Released:	_QA/QC InterLAB Use:	Date:	Time:
	the second of th		

Page

2 of 5



Submitted to: (Lab Name)

Contact: Dave Spacone

Location: 551 79th St.

Schneider

ENVIRONMENTAL CONSULTANTS - A MEMBER OF THE STOHL GROUP OF COMPANIES
4169 ALLENDÁLE PKWY. BUFFALO; NEW YORK 14219
\$\frac{14}{2}16\) 312-8076 \( \frac{1}{2}\) (716) 312-8092

\*\*\*WWW.stohlenvironmental.com

Niagara Falls CSD

Building: 79th Street Elem.

Client:

LEAD

2016-111.1 STOHL Job#

Turnaround

		· · · · · · · · · · · · · · · · · · ·					
Sample #	Location	Outlet Type	Time	Cooler Mode		Láb ID	Result
111.1-37	Basement bathroom	S	9:33	0			
111.1-38	Basement bathroom	S	9:33	0			
111.1-39	Kitchen	S	9:40	0 .			1
111.1-40	Kitchen	S	9:40	0			
111.1-41	Women's bathroom	S	9:45	0			
111:1-42	Men's bathroom	S	9:45	0			
111.1-43	Boys coach Office	S	9:48	0			ļ
111.1-44	Boys locker room bathroom	s	9:48	0			1.
111.1-45	Boys locker room bathroom	В	9:49	0			
111.1-46	Girls coach office	S	9:54	0			
111.1-47	Girls locker room	S	9:58	0			1 2 1 2 2
111.1-48	Giris locker room	В	9:59	. 0			
111.1-49	207	s	10:13	0			
111.1-50	Boys bathroom	S	10:19	0			
111.1-51	Boys bathroom	S	10:19	0			
111.1-52	Girls bathroom	S	10:20	0			
111.1-53	Girls bathroom	S	10:20	0			
111.1-54	Hall between bathrooms	В	10:22	0			
otes: ease e-mail lab	results to labs@stohlenv.com	1					
otes:		1	10:22 Stohl Env:	0 Tim Thrift	Date: 9	/24/2016	
otes: ease e-mail lab ampled By:	results to labs@stohlenv.com	n Print Name	Stohl Env:			/24/2016 /27/2016	
otes: ease e-mail lab ampled By: elinquished By:	results to labs@stohlenv.com  Tim Thrift	n Print Name	Stohl Env:	Tim Thrift	Date: <u>9</u>		
otes: ease e-mail lab ampled By: elinquished By: eceived (Name	results to labs@stohlenv.com  Tim Thrift  _ £ _ + L	n Print Name	Stohl Env:	Tim Thrift Eric Henderson Jr.		/27/2016	
otes: ease e-mail lab ampled By: elinquished By: eceived (Name ample Login (Na	results to labs@stohlenv.com  Tim Thrift	n Print Name	Stohl Env: Stohl Env: Date:	Tim Thrift Eric Henderson Jr.		/27/2016	
otes: ease e-mail lab ampled By:	results to labs@stohlenv.com  Tim Thrift	n Print Name	Stohl Env: Stohl Env: Date:	Tim Thrift Eric Henderson Jr.	Date: 9	/27/2016	



Analysis (Name / Lab):

Archived / Released:

QA/QC Review (Name / Lab):

## **Chain of Custody Document**

Submitted to: (Lab Name) Schneider

		Salamenta, Continues of the Continues of		STOHL.	lob# 2016 11	4.4
	SULTANTS - A MEMBER OF THE STOHL: 9 ALLENDALE PKWY: BUFFALO, NEW YORK 14: 全(716)312-0070			STORL	Job # <u>2016-11</u>	7.1
Client: Niagar	a Falls CSD		Contact:	Dave Spacone		
Building: <u>79th S</u>	treet Elem.	·	Location:	551 79th St.		
LEAD	•				Turnaround	
1	F: ASTM D3559-03D, US EF	PA 200.9	X :		5 Days	
	•					_
		<u> </u>				
Sample #	Location	Outlet Type	Time	Cooler Mode	l Lab ID	Results
111.1-55	201	s	10:24	0		
111.1-56	208	s	10:25	0		
111.1-57	202	S	10:26	0		
111.1-58	209	s	10:27	0		
111.1-59	203	s	10:29	0		
111.1-60	Men's bathroom	s	10:32	0		
111.1-61	Women's bathroom	s	10:32	Ō		
111.1-62	Staff lounge	s	10:43	0		
111.1-63	204	S	10:45	0		<del>- </del>
111.1-64	Hall across from 204	В	10:47	0		<u> </u>
111.1-65	210	s	10:48	0		
111.1-66	205	s	10:50	0		
111.1-67	211	S	10:52	. 0		1
111.1-68	Girls bathroom	S	10:58	0		
111.1-69	Girls bathroom	S	10:58	0		1
111.1-70	Boys bathroom	S	10:59	0		
111.1-71	Boys bathroom	S	10:59	0		
111.1-72	Hall across from 211	В	11:00	0		
Notes:						
Please e-mail lab	results to labs@stohlenv.co	m				
·						
Sampled By:	Tim Thrift	_ Print Name	Stohl Env:	Tim Thrift	Date: 9/24/2016	
Relinquished By:	_ E. + Llg.	Print Name	Stoni Env: 1	Eric Henderson Jr.	Date: 9/27/2016	
Received (Name	/ Lab):		Date:		Time:	
Sample Login (Na	ame / Lab):	· · · · · · · · · · · · · · · · · · ·	Date:	<u>.</u>	Time:	
•			••			

age 4 of

QA/QC InterLAB Use:

Date:

Date:

Date:



Submitted to: (Lab Name)

Schneider

ENVIRONMENTAL CONSULTANTS - A MEMBER OF THE STOHL GROUP OF COMPANIES
4169 ALLENDALE PRWY. BUFFALO; NEW YORK 14219
全(716)312-0070 电 (716)312-8092
www.stohlenvironmental.com

STOHL Job #

2016-111.1

Client: Niagara	Falls CSD		Contact:	Dave Spacone		
Building: 79th Str	reet Elem.		Location:	551 79th St.		
LEAD			· · · · · · · · · · · · · · · · · · ·	<u>. 1</u>	Turnaround	
	: ASTM D3559-03D, US EF	2Δ 200 Q	х		5 Days	
Water by Wo-er	. AOTH DOGGO-00D, OO LI				J Days	<del>-</del> ' ' ' ' ' ' '
						· · · · . · · · · · · · · · · · · ·
Sample #	Location	Outlet Type	Time	Cooler Model	Lab ID	Results
111.1-73	206	S	11:02	0		1,355,115
111.1-74	Guidance office	S	11:04	0		
111.1-75	Stem lab	S	11:10	0		
111.1-76	Stem lab small room	S	11:10	0		45 J. T. 4.
111.1-77	Outside cafeteria	HB	11:27	0		
111.1-78	Outside 105	HB	11:28	0		
111.1-79	Outside 102	HB	11:30	0		
111.1-80	Outside 107	HB HB	11:40	0		
111.1-81	Outside 109	HB	11:33	0		
111.1-82	Outside clinic	HB	11:34	0	·	2007
· · · · · · · · · · · · · · · · · · ·						
	Whi. M. L.	<u> </u>				
				<u> </u>		
Notes:		- 10 mg				
8	esults to labs@stohlenv.co	m		**		
l lease e-mail lab i	esons to labs@storlienv.co	111		-		
		1				
Sampled By:	Tim Thrift	_ Print Name	Stohl Env:	Tim Thrift	Date: 9/24/2016	
Relinquished By:	Ettly.	_ Print Name	Stohl Env: E	Eric Henderson Jr.	Date: 9/27/2016	
Received (Name /	Lab):		Date:		Time:	
Sample Login (Nar	ne / Lab):		Date:		Time:	
Analysis (Name / L	ab):	· .	Date:	· · · · · · · · · · · · · · · · · · ·	Time:	
QA/QC Review (Na	ame ):		Date:		Time:	· · · · · · · · · · · · · · · · · · ·
Archived / Release	ed:QA/QC InterL	AB Use:	Date:		Time:	