



E n v i r o n m e n t a l C o n s u l t i n g G r o u p , I n c .

April 3, 2017

Mr. Stan Osinski
Southwest Cook County Cooperative
6020 W. 151st Street
Oak Forest, Illinois 60452

Re: **Lead in Drinking Water Testing**
Potable Water Sources
Transition Building
14535 John Humphrey Drive
Orland Park, Illinois

Dear Mr. Osinski:

Environmental Consulting Group, Inc. (ECG) has completed the Lead in Drinking Water Testing of the potable water sources in the Transition building located at 14535 John Humphrey Drive, in Orland Park, Illinois. This report provides an executive summary, an introduction, an outline of the scope-of-work, analytical methodologies, results of the testing and applicable recommendations.

If you have any questions or need additional information, please contact our office.

Sincerely,

ENVIRONMENTAL CONSULTING GROUP, INC.

Thad Ryniak
Project Manager



E n v i r o n m e n t a l C o n s u l t i n g G r o u p , I n c .

Report

**Lead in Drinking Water Testing
Potable Water Sources
Transition Building
14535 John Humphrey Drive
Orland Park, Illinois**

Prepared for:

Southwest Cook County Cooperative
6020 W. 151st Street
Oak Forest, Illinois 60452

Prepared by:

Environmental Consulting Group, Inc.
105 South York Street, Suite 250
Elmhurst, Illinois 60126
(630) 607-0600
www.ecgmidwest.com

EXECUTIVE SUMMARY

On March 10, 2017, Environmental Consulting Group, Inc. (ECG) conducted lead in drinking water testing of the potable water sources in the Transition building located at 14535 John Humphrey Drive, in Orland Park, Illinois.

Water samples were collected from 10 locations within the school. The water samples were collected and analyzed according to the methodology established in the *3Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance, October 2006*. The EPA, in this document, sets a guideline level of 20 µg/L for faucets and drinking fountains used for consumption in schools. Sample locations were selected by Mr. Stan Osinski.

Results were evaluated with respect to the EPA guidance level for lead in drinking water in schools and the EPA National Primary Drinking Water Regulations (NPDWR) Maximum Contaminant Level (MCL), which is 15 µg/L.

All results were reported as *below* the applicable EPA guidance level for lead in drinking water in schools and the EPA NPDWR MCL

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1.0 INTRODUCTION

On March 10, 2017, Environmental Consulting Group, Inc. (ECG) conducted lead in drinking water testing of the potable water sources of the Transition building located at 14535 John Humphrey Drive, in Orland Park, Illinois.

ECG Project Manager, Mr. Thad Ryniak, conducted the on-site sampling.

In 1994, Congress passed the Safe Drinking Water Act. This law requires the EPA to establish criteria for certain drinking water contaminants. These criteria are often referred to as Maximum Contaminant Levels (MCLs) and Maximum Contaminant Level Goal (MCLGs) and expressed as micrograms per liter of water ($\mu\text{g/L}$) or parts per billion (ppb). In this Act, the EPA established the National Primary Drinking Water Regulations (NPDWR) for public water systems (PWS). According to the EPA, NPDWR criteria are established “to protect the public against consumption of drinking water contaminants that present a risk to human health.

The MCL is the maximum allowable amount of a contaminant in drinking water which is allowed to be delivered to the consumer. MCLs are enforceable standards. The MCLG is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.

Lead in drinking water can cause a variety of negative health effects in people of all ages but can be more severe with infants and small children. The probability of negative health effects increases proportionally to the concentration of lead in water. Lead most commonly enters tap water via older corroded plumbing and is rarely found in source water at levels of concern. The MCL for lead in water is 15 $\mu\text{g/L}$ and is a Primary Standard designed to protect human health. The MCLG for lead in water is 0 $\mu\text{g/L}$. These standards apply to PWS.

The EPA, in its document, *3Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance, October 2006*, sets a guideline level of 20 $\mu\text{g/L}$ for faucets and drinking fountains used for consumption.

2.0 METHODOLOGY

The water samples were collected and analyzed according to the methodology established in the *3Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance, October 2006*.

Water samples collected in 250 milliliter sterilized plastic containers. Each sample was sealed and labeled appropriately throughout the collection process. Samples were collected as “first draw” and “flush samples” samples.

Sample locations were not used for a minimum of 8-17 hours prior to sample collection (overnight). 1st draw samples and flush samples were collected, according to the EPA/IDPH protocol. Flush samples were also collected after the water ran through the system for 30 seconds.

Suburban Laboratories Incorporated analyzed the samples. Suburban Laboratories Inc. is an Illinois Department of Public Health (IDPH) accredited laboratory (#17585) and an Illinois Environmental Protection Agency (IEPA) accredited laboratory (#100225) for lead in drinking water analysis.

3.0 LEAD IN DRINKING WATER SAMPLING & ANALYSIS

A summary table of the lead in drinking water results is provided in Appendix A. The laboratory reports and chains of custody are provided in Appendix B.

Lead in drinking water concentrations were all non-detect (<005 µg/L) in all samples. All the samples tested for lead were reported to be below the EPA guidance level for schools of 20 µg/L and below the NPDWR MCL of 15 µg/L.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Water samples were collected from 10 locations within the school building located at 14535 John Humphrey Drive in Orland Park, Illinois. All results were reported as *below* the applicable Environmental Protection Agency guidance level for schools and *below* the MCL.

5.0 QUALIFICATIONS

ECG believes this study was developed in general accordance with the technical standards of the practice of industrial hygiene at the time the study was conducted and a reasonable effort was made to ensure that the information present in this report is materially complete and accurate.

If you have any questions or need additional information, please contact our office.

Sincerely,

ENVIRONMENTAL CONSULTING GROUP, INC.



Thad Ryniak
Project Manager

Appendix A

Summary Table of Lead in Drinking Water Results

Summary Table - Drinking Water Testing Results

Braun Education School Building
6020 W. 151st Street
Oak Forest, Illinois

Location	Sample ID	EPA Guidance Level for Schools	NPDW S MCL	Lead Concentration
1st floor - Kitchenette sink - First draw	TR0310-01	20 µg/L	<u>15</u> µg/L	<005 µg/L
1st floor - Kitchenette sink - Flush	TR0310-02			<005 µg/L
1st floor - Nurse room sink - First draw	TR0310-03			<005 µg/L
1st floor Nurse room sink - Flush	TR0310-04			<005 µg/L
1st Floor - Drinking Fountain High - First draw	TR0310-05			<005 µg/L
1st Floor - Drinking Fountain High - Flush	TR0310-06			<005 µg/L
1st Floor - Drinking Fountain Low - First draw	TR0310-07			<005 µg/L
1st Floor - Drinking Fountain Low - Flush	TR0310-08			<005 µg/L
2nd Floor - Drinking Fountain High - First Draw	TR0310-09			<005 µg/L
2nd Floor - Drinking Fountain High - Flush	TR0310-10			<005 µg/L
2nd Floor - Drinking Fountain low - First Draw	TR0310-11			<005 µg/L
2nd Floor - Drinking Fountain low - Flush	TR0310-12			<005 µg/L
2nd Floor - Kitchen left sink - First Draw	TR0310-13			<005 µg/L
2nd Floor - Kitchen left sink - Flush	TR0310-14			<005 µg/L
2nd Floor - Kitchen right sink - First Draw	TR0310-15			<005 µg/L
2nd Floor - Kitchen right sink - Flush	TR0310-16			<005 µg/L
2nd Floor - Room 406 sink - First Draw	TR0310-17			<005 µg/L
2nd Floor - Room 406 sink - Flush	TR0310-18			<005 µg/L
2nd Floor - Room 206 sink - First Draw	TR0310-19			<005 µg/L
2nd Floor - Room 206 sink - Flush	TR0310-20			<005 µg/L

¹ µg/L: micrograms per liter of water
MCL: Maximum Contaminant Level

*National Primary Drinking Water Regulation

Appendix B

Laboratory Reports and Chains of Custody

SUBURBAN LABORATORIES, Inc.



1950 S. Batavia Ave., Suite 150 Geneva, Illinois 60134
Tel. (708) 544-3260 • Toll Free (800) 783-LABS
Fax (708) 544-8587
www.suburbanlabs.com

March 23, 2017

Thad Ryniak
Environmental Consulting Group, Inc
105 South York Street
Elmhurst, IL 60126

Workorder: 1703978

TEL: (630) 607-0060
FAX: (630) 607-0650
RE: SWCC Orland Park IL

Dear Thad Ryniak:

Suburban Laboratories, Inc. received 20 sample(s) on 3/15/2017 for the analyses presented in the following report.

Customer has provided 250 mL volume sample bottles for all samples collected. Please note, all sample results that exceed 5.00 ug/L should be promptly reported to parents or guardians of all enrolled students. Results that are below 5.00 ug/L should be reported on the school website. Please refer to Public Act 099-0922 or the Illinois Department of Public Health for specific reporting requirements. Suburban Laboratories will forward all results to the IDPH within seven (7) business days from the date of this report.

This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc. If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,

Shane Clarke
Business Development Manager
708-544-3260 ext 217
shane@SuburbanLabs.com



SUBURBAN LABORATORIES, Inc.



1950 S. Batavia Ave., Suite 150 Geneva, Illinois 60134
Tel. (708) 544-3260 • Toll Free (800) 783-LABS
Fax (708) 544-8587
www.suburbanlabs.com

Client ID: Environmental Consulting Group, Inc
Project Name: SWCC Orland Park IL

Report Date: March 23, 2017
Workorder: 1703978

Analyte: Lead

Matrix: Drinking Water

Sample ID	Client Sample ID	Result	MRL	Units	Date & Time Water System Last Used	Date Collected	Date Analyzed
1703978-001A	TR0310-1	ND	2.00	µg/L		3/10/2017	3/20/2017
1703978-002A	TR0310-2	ND	2.00	µg/L		3/10/2017	3/20/2017
1703978-003A	TR0310-3	ND	2.00	µg/L		3/10/2017	3/20/2017
1703978-004A	TR0310-4	ND	2.00	µg/L		3/10/2017	3/20/2017
1703978-005A	TR0310-5	ND	2.00	µg/L		3/10/2017	3/20/2017
1703978-006A	TR0310-6	ND	2.00	µg/L		3/10/2017	3/21/2017
1703978-007A	TR0310-7	ND	2.00	µg/L		3/10/2017	3/20/2017
1703978-008A	TR0310-8	ND	2.00	µg/L		3/10/2017	3/20/2017
1703978-009A	TR0310-9	ND	2.00	µg/L		3/10/2017	3/20/2017
1703978-010A	TR0310-10	ND	2.00	µg/L		3/10/2017	3/20/2017
1703978-011A	TR0310-11	ND	2.00	µg/L		3/10/2017	3/20/2017
1703978-012A	TR0310-12	ND	2.00	µg/L		3/10/2017	3/20/2017
1703978-013A	TR0310-13	ND	2.00	µg/L		3/10/2017	3/20/2017
1703978-014A	TR0310-14	ND	2.00	µg/L		3/10/2017	3/20/2017
1703978-015A	TR0310-15	ND	2.00	µg/L		3/10/2017	3/20/2017
1703978-016A	TR0310-16	ND	2.00	µg/L		3/10/2017	3/20/2017
1703978-017A	TR0310-17	ND	2.00	µg/L		3/10/2017	3/20/2017
1703978-018A	TR0310-18	ND	2.00	µg/L		3/10/2017	3/20/2017
1703978-019A	TR0310-19	ND	2.00	µg/L		3/10/2017	3/20/2017
1703978-020A	TR0310-20	ND	2.00	µg/L		3/10/2017	3/20/2017

ND - Not Detected Down to the Laboratory Minimum Reporting Limit (MRL)

140643

CHAIN OF CUSTODY RECORD

Suburban Laboratories, Inc.
 1950 S. Batavia Ave., Ste 150, Geneva, IL 60134
 Tel. 708.544.3260 Fax: 708.544.8587 Toll Free: 800.793.LABS www.suburbanlabs.com

Company Name ECG		Company Address 105 S. YORK SUITE 250		City ELMHAUST		State IL		Zip 60126		Page 1 of 2			
Phone 630-607-0000		Fax 630-607-0650		Email Address TRACY@GENEVA.COM		Project ID/Location 19355 SOND MONKEY DRIVE, GENEVA OHIO		Project Manager (Report to) THAD RYDIAK		Shipping Method			
Sample Collector(s) Name THAD RYDIAK		Final Report will be emailed to TRACY@GENEVA.COM		Additional Rush Charges Approved <input type="checkbox"/> Normal <input type="checkbox"/> RUSH		Specify Regulatory Program: <input type="checkbox"/> LUST <input type="checkbox"/> SRP <input type="checkbox"/> SDWA		Additional Rush Charges Approved <input type="checkbox"/> None/Info Only <input type="checkbox"/> NPDES <input type="checkbox"/> MWRDGC		Reporting Level (at additional charge) 1 2 3 4			
Use One Line Per Preservation & Container Type		COLLECTION DATE		TIME		MATRIX		GRAB/COMP.		CONTAINERS SIZE & TYPE			
1 KITCHENETTE SINK		3/10/17		06:56		DW		FIRST DRAW		1 250ML			
2 KITCHENETTE SINK		3/10/17		06:56		DW		FLUSH		1 250ML			
3 NURSE ROOM SINK		3/10/17		06:58		DW		FIRST DRAW		1 250ML			
4 NURSE ROOM SINK		3/10/17		06:59		DW		FLUSH		1 250ML			
5 1ST FLOOR DRINKING FOUNTAIN HIGH		3/10/17		07:01		DW		FIRST DRAW		1 250ML			
6 ()		3/10/17		07:01		DW		FLUSH		1 250ML			
7 ()		3/10/17		07:02		DW		FIRST DRAW		1 250ML			
8 ()		3/10/17		07:03		DW		FLUSH		1 250ML			
9 2ND FLOOR DRINKING FOUNTAIN HIGH		3/10/17		07:05		DW		FIRST DRAW		1 250ML			
10 ()		3/10/17		07:05		DW		FLUSH		1 250ML			
11 ()		3/10/17		07:06		DW		FIRST DRAW		1 250ML			
12 ()		3/10/17		07:07		DW		FLUSH		1 250ML			
COMMENTS & SPECIAL INSTRUCTIONS: ALL FLUSH SAMPLES TAKEN 30 SECONDS AFTER 1ST DRAW		DATE		TIME		DATE		TIME		DATE			
RECEIVED BY: TRAD RYDIAK 3-15-17 10:55		RELINQUISHED BY:		DATE:		RECEIVED BY:		DATE:		RECEIVED BY:			
MATRICES: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water (SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINERS: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H ₂ SO ₄ , HCl, HNO ₃ , Methanol (MeOH), NaOH, Sodium Bisulfate (NaBS), NaThio		CONDITION CODES: 1. Improper/damaged container/tap 2. Improper preservation 3. Insufficient sample volume 4. Headspace/air bubbles for VOCs 5. Received past holding time 6. Received frozen 7. Label conflicts with COC		ANALYSIS & METHOD REQUESTED Enter an "X" in box below for request		TURNAROUND TIME REQUESTED Additional Rush Charges Approved		PRESERVATIVE		R Condition Spid LAB #		Temperature of Received Samples °C	
1. Relinquished By		2. Relinquished By		3. Relinquished By		4. Relinquished By		5. Relinquished By		6. Relinquished By		7. Relinquished By	



SUBURBAN LABORATORIES, Inc.
1950 S. Batavia Ave., Site 150, Geneva, IL 60134

Tel. 708.544.3260 Fax: 708.544.8587 Toll Free: 800.783.LABS www.suburbanlabs.com

CHAIN OF CUSTODY RECORD

140644

Company Name: **ECB**
Company Address: **105 S. York**
City: **ELMHURST IL** State: **IL** Zip: **60124**
Phone: **630-607-0060** Fax: **630-607-0650**
Email Address: **tyrunk@geneva.com**
Project ID / Location: **SWCC TRANSITION BUILDING #1535 J. HONDERGEY DR**
Project Manager (Report to): **THAD RYDRIK**
Sample Collector(s) Name: **THAD RYDRIK**

Page **2** of **2**
Shipping Method: **011543-IND**

Reporting Level (at additional charge): **1 2 3 4**
LAB USE ONLY
SLI ORDER No: **703979**
Samples received the same day as collection? Yes No

TURNAROUND TIME REQUESTED
 Normal RUSH *Additional Rush Charges Approved.
*Date & Time Needed: **ONE WEEK TWT**

ANALYSIS & METHOD REQUESTED
Enter an "X" in box below for request

RUSH	Normal	Date & Time Needed	Specify Regulatory Program (Required)		GRAB/COMP.	CONTAINERS SIZE & TYPE		PRESERVATIVE
			LUST	SRP		503 Sludge	NPDES	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional Rush Charges Approved? Yes No
Temperature of Received Samples: **7 °C**
Samples received the same day as collection? Yes No
R. Condition: **Split** LAB #: **013A**

MATRIX	COLLECTION		GRAB/COMP.	CONTAINERS SIZE & TYPE		PRESERVATIVE
	DATE	TIME		QTY		
DW	3/10/17	07:04	<input checked="" type="checkbox"/> Full	ASOAL		<input checked="" type="checkbox"/>
DW	3/10/17	07:09	<input checked="" type="checkbox"/> Full			<input checked="" type="checkbox"/>
DW	3/10/17	07:09	<input checked="" type="checkbox"/> Full			<input checked="" type="checkbox"/>
DW	3/10/17	07:10	<input checked="" type="checkbox"/> Full			<input checked="" type="checkbox"/>
DW	3/10/17	07:10	<input checked="" type="checkbox"/> Full			<input checked="" type="checkbox"/>
DW	3/10/17	07:19	<input checked="" type="checkbox"/> Full			<input checked="" type="checkbox"/>
DW	3/10/17	07:19	<input checked="" type="checkbox"/> Full			<input checked="" type="checkbox"/>
DW	3/10/17	07:19	<input checked="" type="checkbox"/> Full			<input checked="" type="checkbox"/>

CONDITION CODES
1. Improper/damaged container/cap
2. Improper preservation
3. Insufficient sample volume
4. Headspace/air bubbles for VOCs
5. Received past holding time
6. Received frozen
7. Label conflicts with COC

RECEIVED BY	DATE	3. Reinquished By		4. Reinquished By	
		Date	Time	Date	Time
<i>Bill Johnson</i>	3-15-17				
	10:55				

COMMENTS & SPECIAL INSTRUCTIONS:
FRESH SAMPLES TWT 30 SECONDS AFTER 1st DRAW

Matrix: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water (SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P), CONTAINERS: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H₂SO₄, HCl, HNO₃, Methanol (MeOH), NaOH, Sodium Bisulfate (NaS), NaThio
Submission of samples subject to Terms and Conditions on back.
Rev. 07/20/08
White-Original, Pink-Sampler Copy



STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY
NELAP - RECOGNIZED
ENVIRONMENTAL LABORATORY ACCREDITATION

is hereby granted to

SUBURBAN LABORATORIES, INC.
1950 SOUTH BATAVIA AVE., SUITE 150
GENEVA, IL 60134

NELAP ACCREDITED
ACCREDITATION NUMBER #100225



According to the Illinois Administrative Code, Title 35, Subtitle A, Chapter II, Part 186, ACCREDITATION OF LABORATORIES FOR DRINKING WATER, WASTEWATER AND HAZARDOUS WASTES ANALYSIS, the State of Illinois formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed below.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part 186 requirements and acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part 186. Please contact the Illinois EPA Environmental Laboratory Accreditation Program (IL ELAP) to verify the laboratory's scope of accreditation and accreditation status. Accreditation by the State of Illinois is not an endorsement or a guarantee of validity of the data generated by the laboratory.

Celeste M. Crowley
 Supervisor
 Environmental Laboratory Accreditation Program

John South
 Accreditation Officer
 Environmental Laboratory Accreditation Program

Certificate No.: 003968
 Expiration Date: 10/31/2017
 Issued On: 10/18/2016

Appendix C

ECG Certifications



**LEAD RISK
ASSESSOR LICENSE**

LEAD ID ISSUED EXPIRES
011252 12/5/2016 1/31/2018

Thad J Ryniak
400 Village Cir., Apt #302
Willow Springs, IL 60480



ILLINOIS LEAD PROGRAM
Environmental Health

Alteration of this license shall result in legal action
RISK ASSESSOR CERTIFICATE EXPIRES

11/19/2018

This license issued under authority of the State
of Illinois -Department of Public Health

This license is valid only when accompanied by
a valid training course certificate

If found return to 525 W. Jefferson St Springfield, IL 62761

2015



OCCUPATIONAL TRAINING & SUPPLY, INC.

7233 S. Adams Street ♦ Willowbrook, IL 60527 ♦ (630) 655-3900

Lead Risk Assessor Refresher

Occupational Training & Supply, Inc. certifies that

Thad Ryniak

has successfully completed the Lead Risk Assessor Refresher course and has passed the competency exam with a minimum score of 70%.
This course is accredited by the Illinois Department of Public Health in accordance with the Illinois Lead Poisoning Prevention Code.

Course Date: 11/19/2015

Exam Date: 11/19/2015

Expiration Date: 11/19/2018

Certificate Number: LRAR1511194070



Kathy DeSalvo, Director