

July 29, 2016

AUG 10 2016

Dr. Cheryl Thomas, Superintendent of Schools
Newfield Central School District
247 Main Street
Newfield, New York 14867

RE: Water testing for lead content at Newfield Central School District facilities

Dear Dr. Thomas,

On June 24, 2016 the two potable water locations that had lab results in excess of the New York State Department of health Maximum Contamination Level (MCL) of 15 parts per billion (ppb) and or the EPA's action level of 20 ppb in the Field House were resampled using the protocols outlined in the EPA document "**3T's for Reducing Lead in Drinking Water in Schools**". The two fixtures were tested to investigate whether the elevated lead levels were caused by the piping, the fixture or debris in the aerator for the two fixtures.

One day prior to the collection of samples each identified location was operated to flush out any stagnated water in the pipes supplying the fixtures, as the fixtures had been taken out of service and no water used since the initial testing. The faucet was flushed for a period of at least three minutes at a medium flow of water so as not to disturb any sediments that may have been in the pipes. The last water use in any fixture was a minimum of 8 hours prior to sample collection.

On the day prior to the collection of samples, I reviewed the sampling protocols as indicated in the "**Supplemental Lead Sampling Procedures for Schools**" document prepared by the Tompkins County Health Department dated March 10, 2016 as well as the EPA guidelines from the 3T's document with Steve Yaple.

Samples were collected starting at approximately 7:00 in the morning in the district. Steve Yaple assisted with the collections. Samples were collected by medium flow (pencil width) from each location as a first draw sample in 250 ml (8 ounce) containers with Nitric Acid (HN03) preservative with a thirty second continual flow and second sample draw after the flow period as documented on the chain of custody for each facility. After the samples were taken, the aerators were removed and inspected for debris. There was visible debris in both aerators. The aerators were not returned to the fixtures.

Samples were delivered to Life Sciences Laboratory in Syracuse for analysis and reporting. Results of the analysis were delivered via email on July 28, 2016.

Together we learn, lead, support and serve

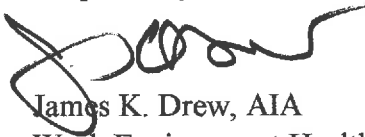
Review indicated that both fixtures were below MCL and EPA Action Levels for the first draw and the follow-up draw indicated no lead above the detection level in the follow-up sample. It is likely that the initial levels were caused by the debris identified in the aerators after sampling.

I have attached a tabular spreadsheet printout indicating the results of this sampling along with the original sample results for these fixtures.

We have submitted the results and this report to the Tompkins County Health Department and will await their recommendation on moving forward. It is our expectation that they will return the two fixtures to regular service. The health department may require the district to retest after a period of time to see if the conditions remain favorable.

Please feel free to contact me should you have any further questions. I will forward results as they become available.

Respectfully submitted,



James K. Drew, AIA
Work Environment Health & Safety Coordinator

Enclosures

CC: Steve Yaple Fenner, Lansing CSD
Adriel Shea, Tompkins County Health Department
file

WATER SAMPLE RESULTS FOR LEAD
Newfield Central School District
 Sampling Date: 6/24/2016

Field House	Area	Equipment	Brand	Sample Number	LSL Sample ID	Lead Content	Date Sampled
Exceeds NYSDOH	CONCESSION AREA - NORTH	PREP SINKS	SINK FAUCETS	FH-001-F	K1605259-071A	0.0180 mg/L	5/11/2016
	CONCESSION AREA - NORTH	PREP SINKS	SINK FAUCETS	FH-001-F-A	K1607095-001A	0.0079 mg/L	6/24/2016
	CONCESSION AREA - NORTH	PREP SINKS	SINK FAUCETS	FH-001-F-B	K1607095-002A	0.0000 mg/L	6/24/2016
Exceeds NYSDOH and EPA	CONCESSION AREA - SOUTH	PREP SINKS	SINK FAUCETS	FH-002-F	K1605259-072A	0.0220 mg/L	5/11/2016
	CONCESSION AREA - SOUTH	PREP SINKS	SINK FAUCETS	FH-002-F-A	K1607095-003A	0.0089 mg/L	6/24/2016
Play Fields	CONCESSION AREA - SOUTH	PREP SINKS	SINK FAUCETS	FH-002-F-B	K1607095-004A	0.0000 mg/L	6/24/2016
	Play Fields	Area	Equipment	Brand	Sample Number	LSL Sample ID	Lead Content
Exceeds NYSDOH and EPA	NEAR UPPER PLAYING FIELDS	WATER HYDRANTS 01	WATER HYDRANTS	PF-001-H	K1605259-068A	0.0450 mg/L	5/11/2016

FIXTURE REMOVED AND LINES CAPPED



Life Science Laboratories, Inc.

Jim Drew
TST BOCES
555 S. Warren Road
Ithaca, NY 14850

Phone: (607) 257-1551
FAX: (607) 266-0692

Laboratory Analysis Report

Prepared For

TST BOCES

Client Project ID:

Newfield CSD Field House

LSL Project ID: **1609790**

Receive Date/Time: 06/27/16 15:53

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By the Client's acceptance and/or use of this report, the Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect the Client as regards to the results contained in this report. The Client further agrees that the only remedy available to the Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to the Client. The data contained in this report are for the exclusive use of the Client to whom it is addressed, and the release of these data to any other party, or the use of the name, trademark or service mark of Life Science Laboratories, Inc. especially for the use of advertising to the general public, is strictly prohibited without express prior written consent of Life Science Laboratories, Inc. This report may only be reproduced in its entirety. No partial duplication is allowed. The Chain of Custody and the Sample Receipt documents submitted with these samples are considered by LSL to be an appendix of this report and may contain specific information that pertains to the samples included in this report. The analytical result(s) in this report are only representative of the sample(s) submitted for analysis. LSL makes no claim of a sample's representativeness, or integrity, if sampling was not performed by LSL personnel.

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East Syracuse, NY 13057
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NYS DOH ELAP #10248
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LSL North Lab
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LSL Finger Lakes Lab
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LSL MidLakes Office
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Tel. (585) 728-3320

Reviewed by:

Date:

7/27/16

David J. Prichard, Director of Tech. Services

A copy of this report was sent to: Steven Kern
Tompkins County Health Department

Page 1 of 2
Date Printed: 7/21/16

-- LABORATORY ANALYSIS REPORT --

TST BOCES Ithaca, NY

Sample ID: Newfield CSD, Field House Lead Study LSL Sample ID: 1609790-001
Location:
Sampled: 06/24/16 7:00 Sampled By:
Sample Matrix: PWS

Analytical Method	Result	Prep Method	Prep Date	Analysis Date & Time	Analyst Initials
Analyte		Units			
(1) Lead Study					
Number of Samples		4			MT

Analysis performed at: (1) LSL Central Lab, (2) LSL North Lab, (3) LSL Finger Lakes Lab



Life Science Laboratories, Inc.
 5854 Butternut Drive
 East Syracuse, NY 13057 (315) 445-1900

Analytical Results

State Certification No: 10248

CLIENT: Life Science Labs-LIMS
Project: 1609790-TST BOCES
Location: Newfield CSD Field House
Matrix: PWS

Client Sample ID: FH-001-F-A North A

Lab ID: K1607095-001A
Collection Date: 06/24/16 7:00
Date Received: 06/27/16 15:53

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8	(E200.2)
Lead	0.0079	mg/L	07/19/16 15:47

Qualifiers:

- * Value may exceed the Acceptable Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



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Analytical Results

State Certification No: 10248

CLIENT: Life Science Labs-LIMS
Project: 1609790-TST BOCES
Location: Newfield CSD Field House
Matrix: PWS

Client Sample ID: FH-001-F-B North B

Lab ID: K1607095-002A
Collection Date: 06/24/16 7:00
Date Received: 06/27/16 15:53

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8	(E200.2)
Lead	< 0.0010	mg/L	07/19/16 15:58

Qualifiers:

- * Value may exceed the Acceptable Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



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Analytical Results

State Certification No: 10248

CLIENT: Life Science Labs-LIMS
Project: 1609790-TST BOCES
Location: Newfield CSD Field House
Matrix: PWS

Client Sample ID: FH-002-A South A

Lab ID: K1607095-003A
Collection Date: 06/24/16 7:00
Date Received: 06/27/16 15:53

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8	(E200.2)
Lead	0.0089	mg/L	07/19/16 16:02

- Qualifiers:**
- * Value may exceed the Acceptable Level
 - E Value exceeds the instrument calibration range
 - J Analyte detected below the PQL
 - P Prim./Conf. column %D or RPD exceeds limit
 - B Analyte detected in the associated Method Blank
 - H Holding times for preparation or analysis exceeded
 - ND Not Detected at the Practical Quantitation Limit (PQL)
 - S Spike Recovery outside accepted recovery limits



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Analytical Results

State Certification No: 10248

CLIENT: Life Science Labs-LIMS
Project: 1609790-TST BOCES
Location: Newfield CSD Field House
Matrix: PWS

Client Sample ID: *FH-002-F-B South B*
Lab ID: K1607095-004A
Collection Date: 06/24/16 7:00
Date Received: 06/27/16 15:53

Analyte	Result and Qualifiers	Units	Date Analyzed
METALS BY ICPMS		EPA 200.8	(E200.2)
Lead	< 0.0010	mg/L	07/19/16 16:06

- Qualifiers:**
- * Value may exceed the Acceptable Level
 - E Value exceeds the instrument calibration range
 - J Analyte detected below the PQL
 - P Prim./Conf. column %D or RPD exceeds limit
 - B Analyte detected in the associated Method Blank
 - H Holding times for preparation or analysis exceeded
 - ND Not Detected at the Practical Quantitation Limit (PQL)
 - S Spike Recovery outside accepted recovery limits

1609790

TSTBOCES

2730

K1607095

Client Information		Billing/Invoice		Analysis Requested		Receiving Info (lab use only)	
Name:	Newfield CSD	Same				Cooler ID:	
Address:	247 Main Street Newfield, NY 14867					Cooler Type:	
Contact:	Steve Yaple					Cooler temp:	
Phone:	(807) 584-9955					Cooler Seal:	YES NO
Name:	Field House					Shipping Carrier:	
Quote ID:		PO#				Shipping Number/Cost:	
Rush TAT Bus. Days:	<2-2-5-6-7-10	Date Req.:	Regular			Container Material:	
Carbon Copy:	Yes	James Drew				Container Size (Ml)	
Email Results:	Yes	jdrew@tstboces.org				Preservative	
Fax Results:	Yes					Comments/Field Data	
Sample Information		Matrix		Number of Containers for analysis Requested			
Description/Location	Date	Time	Initial	Type			
1 FH-001-F-A	6/24/2016	7:00	JKD	PW	1		<2 001
2 FH-001-F-B	6/24/2016	7:00	JKD	PW	1		<2 002
3 FH-002-F-A	6/24/2016		JKD	PW	1		<2 003
4 FH-002-F-B	6/24/2016		JKD	PW	1		<2-004
5							
6							
7	Description According to J. Drew 6/24/16 2-1534						
8							
Received:		Signature		Date/Time		Note, Information, Instructions, Etc.	
Received:		<i>[Signature]</i>		6/27/2016		Contact information for notifications, reports or questions:	
Received:		<i>[Signature]</i>		1/27/16 1533		James K. Drew TST BOCES 555 Warren Road Ithaca, New York 14850 (807) 227-2712 jdrew@tstboces.org	
Received:							

2600