



181 US Hwy 46
Mine Hill, NJ 07803
(908) 654-8068
(800) 783-0567
Fax 908-654-8069

LEAD IN DRINKING WATER REPORT

Performed At:

Jefferson Elementary
South Orange, NJ 07079

Performed For:

South Orange Maplewood Board of Education
Ronald Erazo
25 West Parker Ave
Maplewood, NJ 07040

Prepared By:

LEW Corporation
181 US Hwy 46
Mine Hill, NJ 07803

Phone (908) 654-8068
Fax (908) 654-8069
Website <http://www.LEWCorp.com>

Inspection Date: 2/16/2020
Project Number: 200074

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Contact Information

Agency

Client Contact:	Ronald Erazo
Client Name:	South Orange Maplewood Board of Education
Street Address	25 West Parker Avenue, Maplewood, NJ 07040
Phone Number:	201 259 2469

Risk Assessor(s)

Site Assessor(s):	Alex Salvador
License:	NJDOH # 022779
Signature:	
Date:	March 5, 2020
E-Mail	asalvador@lewcorp.com

Firm

Organization:	LEW Corporation
Certification #:	NJDCA 00015 E
Street:	181 US Hwy 46
City, State & Zip:	Mine Hill, NJ 07803
Phone Number:	908-654-8068
Web Address:	http://www.lewcorp.com

Laboratory

Organization:	Environmental Hazard Services, LLC
Street:	7469 Whitepine Road
City, State & Zip:	Richmond, VA 23237
NJDEP Certification #	VA008
Phone Number:	800-347-4010

Introduction

LEW Corporation was contracted by South Orange Maplewood Board of Education to test for the presence of lead in drinking water Jefferson Elementary School.

Sampling Methodology

LEW Corporation followed the July 13, 2016 amendments to NJAC 6A:26. Full details on sampling practices can be found in Districts Sampling Plan.

All samples were collected in 250mL wide mouth plastic containers that was prepackaged by the analytical laboratory. The sample containers may contain nitric acid, if expedited analysis is required. If not, nitric acid will be added to each sample upon arrival at the laboratory. At each sample location, the first draw sample was taken after it was determined that the water had been standing in the plumbing system for greater than eight hours but less than forty-eight hours. If second draw samples were collected, they were collecting following a flushing protocol outlined in the District's Sampling Plan.

Drinking Water Results

On February 16, 2020, LEW Corporation collected the following number of water samples:

Jefferson Elementary School

- 18 first draw samples collected + 1 quality control
- 0 samples above the 15ppb action level

The complete list of samples that exceeded the 15ppb limit can be found in Appendix A. The complete list of all sample results can be found in Appendix C. The laboratory results can be found in Appendix E.

Certain outlets could not or were not tested due to various reasons. The following table lists those locations and the reason why samples were not collected.

School	Sample Location	Reason for not testing.
None		

Recommendations

None, no samples at or above the threshold

A complete list of recommendations per outlet can be found in Appendix B.

Additional Recommendations

- 1) Comply with all requirements set forth in NJAC 6A:26.

Appendix A Exceedances

Building	Date Collected	Analysis Date	Sample ID	Sample Description	Concentration (ug/L) Or ppb
None					

Appendix B Recommendations

Building	Sample ID	Location	Remediation Recommendation
None			

Appendix C All Results

Building	Date Collected	Analysis Date	Sample ID	Sample Description	Concentration (ppb)
Jefferson Elementary School					
JEFFERSON ELEMENTARY SCHOOL	02/16/2020	02/20/2020	JES-1	CAFETERIA SINK QUALITY CONTROL	<1.00
JEFFERSON ELEMENTARY SCHOOL	02/16/2020	02/20/2020	JES-2	KITCHEN SINK	2.17
JEFFERSON ELEMENTARY SCHOOL	02/16/2020	02/20/2020	JES-3	HALL BY CUSTODIUM CLOSET WF	<1.00
JEFFERSON ELEMENTARY SCHOOL	02/16/2020	02/20/2020	JES-4	HALL BY ROOM 111 WF L	<1.00
JEFFERSON ELEMENTARY SCHOOL	02/16/2020	02/20/2020	JES-5	HALL BY ROOM 111 WF R	<1.00
JEFFERSON ELEMENTARY SCHOOL	02/16/2020	02/20/2020	JES-6	NEAR ROOM 112 WF	<1.00
JEFFERSON ELEMENTARY SCHOOL	02/16/2020	02/20/2020	JES-7	CLASSROOM A113 BUBBLER	2.65
JEFFERSON ELEMENTARY SCHOOL	02/16/2020	02/20/2020	JES-8	A103 TEACHERS LOUNGE SINK	1.50
JEFFERSON ELEMENTARY SCHOOL	02/16/2020	02/20/2020	JES-9	CLASSROOM A 114-1L BUBBLER	3.73
JEFFERSON ELEMENTARY SCHOOL	02/16/2020	02/20/2020	JES-10	CLASSROOM A 114-2R BUBBLER	3.40
JEFFERSON ELEMENTARY SCHOOL	02/16/2020	02/20/2020	JES-11	BY A203 WF	<1.00
JEFFERSON ELEMENTARY SCHOOL	02/16/2020	02/20/2020	JES-12	CLASSROOM A115 BUBBLER	3.05
JEFFERSON ELEMENTARY SCHOOL	02/16/2020	02/20/2020	JES-13	CLASSROOM A116 BUBBLER	2.93
JEFFERSON ELEMENTARY SCHOOL	02/16/2020	02/20/2020	JES-14	CLASSROOM A118 BUBBLER	1.34
JEFFERSON ELEMENTARY SCHOOL	02/16/2020	02/20/2020	JES-15	CLASSROOM A119 BUBBLER	1.88
JEFFERSON ELEMENTARY SCHOOL	02/16/2020	02/20/2020	JES-16	NURSES SINK	<1.00
JEFFERSON ELEMENTARY SCHOOL	02/16/2020	02/20/2020	JES-17	NURSES BATH SINK	<1.00
JEFFERSON ELEMENTARY SCHOOL	02/16/2020	02/20/2020	JES-18	BY ROOM 306 WF	<1.00
JEFFERSON ELEMENTARY SCHOOL	02/16/2020	02/20/2020	JES-19	3 RD FLOOR BY STAIRWELL WF	<1.00

Appendix D Floor Plan(s)

Appendix E Laboratory Data



Environmental Hazards Services, L.L.C.
7469 Whitepine Rd
Richmond, VA 23237
Telephone: 800.347.4010

Lead in Drinking Water Analysis Report

Client: LEW Corp
181 US Hwy 46
Mine Hill, NJ 07803

Report Number: 20-02-02521

Received Date: 02/18/2020
Reported Date: 02/21/2020
Sampled By: Alex Salvador
Tech Certification #:

Project/Test Address: 200074; Jefferson Elementary School; South Orange, NJ

Client Number:
201327

Laboratory Results

Fax Number:
Ext 18 Melissa

Lab Sample Number	Client Sample ID	Collection Date	Collection Location	Concentration ug/L (ppb)	Analysis Date	Narrative ID
20-02-02521-001	JES-1	02/16/2020	CAFETERIA SINK	<1.00	02/20/2020	
20-02-02521-002	JES-2	02/16/2020	KITCHEN SINK	2.17	02/20/2020	
20-02-02521-003	JES-3	02/16/2020	HALL BY CUSTODIUM CLOSET WF	<1.00	02/20/2020	
20-02-02521-004	JES-4	02/16/2020	HALL BY ROOM 111 WF L	<1.00	02/20/2020	
20-02-02521-005	JES-5	02/16/2020	HALL BY ROOM 111 WF R	<1.00	02/20/2020	
20-02-02521-006	JES-6	02/16/2020	NEAR ROOM 112 WF	<1.00	02/20/2020	
20-02-02521-007	JES-7	02/16/2020	CLASSROOM A113 BUBBLER	2.65	02/20/2020	
20-02-02521-008	JES-8	02/16/2020	A103 TEACHER'S LOUNGE SINK	1.50	02/20/2020	
20-02-02521-009	JES-9	02/16/2020	CLASSROOM A114-1L BUBBLER	3.73	02/20/2020	
20-02-02521-010	JES-10	02/16/2020	CLASSROOM A114-2R BUBBLER	3.40	02/20/2020	
20-02-02521-011	JES-11	02/16/2020	BY A 203 WF	<1.00	02/20/2020	
20-02-02521-012	JES-12	02/16/2020	CLASSROOM A115 BUBBLER	3.05	02/20/2020	
20-02-02521-013	JES-13	02/16/2020	CLASSROOM A116 BUBBLER	2.93	02/20/2020	

Environmental Hazards Services, L.L.C

Client Number: 201327

Report Number: 20-02-02521

Project/Test Address: 200074; Jefferson Elementary School; South Orange, NJ

Lab Sample Number	Client Sample ID	Collection Date	Collection Location	Concentration ug/L (ppb)	Analysis Date	Narrative ID
20-02-02521-014	JES-14	02/16/2020	CLASSROOM A118 BUBBLER	1.34	02/20/2020	
20-02-02521-015	JES-15	02/16/2020	CLASSROOM A119 BUBBLER	1.88	02/20/2020	
20-02-02521-016	JES-16	02/16/2020	NURSES SINK	<1.00	02/20/2020	
20-02-02521-017	JES-17	02/16/2020	NURSES BATH SINK	<1.00	02/20/2020	
20-02-02521-018	JES-18	02/16/2020	BY ROOM 306 WF	<1.00	02/20/2020	
20-02-02521-019	JES-19	02/16/2020	3RD FL BY STAIRWELL WF	<1.00	02/20/2020	

Method: SM 3113B-2010
Analyst: Jennalee Hertzler
Accreditation #: NJ VA008

Reviewed By Authorized Signatory:

Melissa Kanode

Missy Kanode

QA/QC Clerk

Sample Results denoted with a "less than" (<) sign contain less than the reporting limit which is 1 ppb.

The EPA Maximum Contaminant Level for Lead in Drinking Water is 15 ppb. The results herein conform to NELAC 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, etc., were provided by the client. This report cannot be reproduced, except in full, without written approval from Environmental Hazards Services, L.L.C.

LEGEND ug/L= micrograms per liter ppb = parts per billion



EHS Laboratories
ENVIRONMENTAL HAZARDS SERVICES, LLC

Water Chain-of-Custody Form
SHIP TO: 7469 Whitepine Rd. Richmond, VA 23237
Phone: (800) 347-4010 FAX: (804) 275-4907
ONLINE CLIENT PORTAL AVAILABLE FOR ANALYSIS RESULTS AT: www.leadlab.com

20-02-02521



Due Date:

5:10 PM 02/25/2020

02532 (Tuesday)

AE

Company Name: LEW CORP

Account #: 201327

Address: 181 US Highway 46

City/State/Zip: Mine Hill, NJ 07803

Phone: (908-654-8068)

Email: labresults@lewcorp.com

Fax: 908-654-8069

Project Name / Collection Address: Jefferson Elementary School

City/State/Zip: South Orange NJ

Project #: 200074 Sampled By: Alex Salvador

License # (If Required):

Water Source: (Check One) Public ☒ Well ☐ Well Tag # (If Applicable):

X	5 Day Turnaround	3 Day Turnaround	2 Day Turnaround	1 Day Turnaround - Call Ahead
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No.	Client Sample ID	Collection Location (Exc Kitchen Sink)	Collection Date	Collection Time	Metals			Field Parameters		LAB USE
					Lead	Copper	Other	Field pH at time of Collection:	Temp. at time of Collection:	
1	JES-1	Captaria Sink	2/16/20	8:00	AM/PM					
2	2	Kitchen Sink		02	AM/PM					
3	3	Hall by Custodian closet WF		04	AM/PM					
4	4	Hall by Room 111 WF L		06	AM/PM					
5	5	" " " WF R		08	AM/PM					
6	6	near Room 112 WF		16	AM/PM					
7	7	classroom A113 Bubble		12	AM/PM					
8	8	A203 Teacher's lounge Sink		13	AM/PM					
9	9	classroom A114-1L Bubble		14	AM/PM					
10	10	classroom A114-2R Bubble		15	AM/PM					

Released by: Alex Salvador

Signature:

Signature:

Date/Time:

2/17/2020

Released by:

Stone

Signature:

Signature:

Date/Time:

2/18/20 12:33pm



EHS Laboratories™
ENVIRONMENTAL HAZARDS SERVICES, LLC

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2521
~ For Lab Use Only ~

Company Name: LEW CORP

Account #: 201327

Address: 181 US Highway 46

City/State/Zip: Mine Hill, NJ 07803

Phone: (908) 654-8068

Email: labresults@lewcorp.com

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Project Name / Collection Address: Jefferson Elementary School

City/State/Zip: South Orange NJ

Project #: 200074

Sampled By: Alex Salvador

License # (If Required):

Water Source: (Check One) Public ☒ Well ☐

Well Tag # (If Applicable):

X	5 Day Turnaround		3 Day Turnaround		2 Day Turnaround		1 Day Turnaround * Call Ahead
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No.	Client Sample ID	Collection Location (Ex: Kitchen Sink)	Collection Date	Collection Time	Metals			Field Parameters		LAB USE
					Lead	Copper	Other	Field pH at time of Collection:	Temp. at time of Collection:	
1	JES-11	by A 203 WF	2/16/2020	8:17	PM					
2	12	classroom A115 bubbly		18	AM/PM					
3	13	classroom A116 bubbly		19	AM/PM					
4	14	classroom A118 bubbly		20	AM/PM					
5	15	classroom A119 bubbly		21	AM/PM					
6	16	Nurses' Sinner		24	AM/PM					
7	17	Nurses' Bath Sinner		25	AM/PM					
8	18	by Room 306 WF		26	AM/PM					
9	19	3rd fl by stairwell 1 WF		28	PM					
10					AM/PM					

Released by: Alex Salvador

Signature:

Date/Time: 2/17/2020

Released by:

TSone

Signature:

Date/Time:

2/18/20 12:33pm