



Environmental
& Remediation &
Management, Inc.

20-10 Maple Ave, Bldg. 35E
Fair Lawn, NJ 07410
Tele: (973) 949-3525
Fax: (973) 949-3526
Email: ermnj@aol.com

CLIENT: Demarest Board of Education Pr. No.: 1020-169

PROJECT: Follow-up Lead (Pb) in water sampling

FIELD TECHNICIANS: Polina Shchutckaia

REPORT DATE: August 30, 2016 REVISED DATE: August 30, 2016

Environmental Remediation & Management, Inc. was contacted by The Demarest Board of Education to conduct a Follow-up Lead (Pb) in water sampling.

Polina Shchutckaia, an environmental field technicians with ER&M, arrived at the project site at approximately 6:55 am on August 10, 2016 and proceeded to collect water samples from designated drinking fountains and cooking sinks.

Samples were analyzed at Brick Utilities in Brick, New Jersey (NJ-NELAP No.: 03036). Analytical method was by Lead in Water by Furnace AAS (EPA 200.8).

One sample within the Demarest School District came back at or above the recommended 'action level' as established by The United States Environmental Protection Agency (USEPA) of 15 parts per billion (ppb).

DEMAREST PUBLIC SCHOOL LEAD (PB) IN WATER RESULTS OF CONCERN

Sample No.	Location	Results
DM by Cafeteria - A	Demarest Middle School fountain near Cafeteria [1]	18.42

[1] – Lead in water concentration in initial sample from this fountain was very close to the recommended 'action level' (14.33 ppb). No removal or replacement of fixtures was done at this location. Additional water sampling was performed to confirm Lead in water concentration below recommended 'action level'.

*Highlighted results are at or exceed the USEPA allowable limit of 15 Parts Per Billion (ppb).

** Samples labeled 'A' are First Draw Samples

*** Samples labeled 'F' are after Flush Samples

At this moment we recommend the some or all of the following steps be taken

- Permanent closure of certain water taps.
- Removal and replacement with non-lead containing fixtures.
- Contact the water utility to obtain information about their corrosion control procedures and how it might affect the Districts control plans.
- Development of a Flushing Program for those taps high in lead and turbidity. This may include automatic flushing systems.
- Installation of filtration systems (including post installation performance monitoring)

If you have any questions, or if we could be of any further assistance, please feel free to contact our office. EnviroVision / ER&M looks forward to providing your home with the service and attention to detail you have come to expect from us.

Sincerely,



Guillermo M. Morales
EnviroVision Consultants, Inc.
Environmental Remediation & Management, Inc.



1551 Highway 88 West * Brick, New Jersey 08724-2399
(732) 458-7000 * FAX (732) 836-9170
www.brickmua.com

CHRIS A. THEODOS, PE, PP, CME, CPWM, CFM
Executive Director

August 24, 2016

Environmental Remediation & Management, Inc.
20-10 Maple Avenue
Fair Lawn, NJ 07410

Dear Mr. Morales:

Attached are the results of the analyses performed on the sample submitted to Brick Utilities on August 11, 2016, lab #16081114. Analyses were performed in accordance with EPA 200.8. All QC criteria were met for the sample.

Thank you for choosing Brick Utilities Laboratory. If you have any questions, please don't hesitate to contact me.

Respectfully,


Stephen Naglich
Water Quality Supervisor

c: J. Maggio, Director of Water Quality
C. Rouse, Laboratory Supervisor

COMMISSIONERS

GEORGE CEVASCO
Chairman

JAMES FOZMAN
Vice Chairman

GREGORY M. FLYNN
Secretary

THOMAS C. CURTIS
Treasurer

SUSAN LYDECKER
Asst. Secretary/Treasurer

ALTERNATES

MARIA E. FOSTER



Certificate of Analysis

For: Environmental Remediation and Management
20-10 Maple Avenue
Fairlawn, NJ 07410
Attn: Guillermo Morales

Water Quality Supervisor: *Stephen Maglach* 22-Aug-16

Client Sample ID: LE Kitchen A Lab Sample ID: 16081114-01
Site: Collection Date: 8/10/2016 7:37 AM

Analyte	Method	Sample Result	Report Limit	Analyst	Anal. Date
Lead	EPA 200.8	7.16 ppb	0.5	JenB	8/12/2016

Client Sample ID: LE Kitchen F Lab Sample ID: 16081114-02
Site: Collection Date: 8/10/2016 7:39 AM

Analyte	Method	Sample Result	Report Limit	Analyst	Anal. Date
Lead	EPA 200.8	1.71 ppb	0.5	JenB	8/12/2016

Client Sample ID: LE Gym near Kitchen A Lab Sample ID: 16081114-03
Site: Collection Date: 8/10/2016 7:42 AM

Analyte	Method	Sample Result	Report Limit	Analyst	Anal. Date
Lead	EPA 200.8	0.90 ppb	0.5	JenB	8/12/2016

Client Sample ID: LE Gym near Kitchen F Lab Sample ID: 16081114-04
Site: Collection Date: 8/10/2016 7:44 AM

Analyte	Method	Sample Result	Report Limit	Analyst	Anal. Date
Lead	EPA 200.8	< 0.50 ppb	0.5	JenB	8/12/2016

Client Sample ID: LE Nurse A Lab Sample ID: 16081114-05
Site: Collection Date: 8/10/2016 7:46 AM

Analyte	Method	Sample Result	Report Limit	Analyst	Anal. Date
Lead	EPA 200.8	1.86 ppb	0.5	JenB	8/12/2016

Client Sample ID: LE Nurse F Lab Sample ID: 16081114-06
Site: Collection Date: 8/10/2016 7:49 AM

Analyte	Method	Sample Result	Report Limit	Analyst	Anal. Date
Lead	EPA 200.8	0.54 ppb	0.5	JenB	8/12/2016

Client Sample ID: LE Near 116 A
Site:

Lab Sample ID: 16081114-07
Collection Date: 8/10/2016 7:51 AM

Analyte	Method	Sample Result	Report Limit	Analyst	Anal. Date
Lead	EPA 200.8	4.61 ppb	0.5	JenB	8/15/2016

Client Sample ID: LE Near 116 F
Site:

Lab Sample ID: 16081114-08
Collection Date: 8/10/2016 7:54 AM

Analyte	Method	Sample Result	Report Limit	Analyst	Anal. Date
Lead	EPA 200.8	1.09 ppb	0.5	JenB	8/15/2016

Client Sample ID: LE Near 104 A
Site:

Lab Sample ID: 16081114-09
Collection Date: 8/10/2016 7:57 AM

Analyte	Method	Sample Result	Report Limit	Analyst	Anal. Date
Lead	EPA 200.8	0.97 ppb	0.5	JenB	8/12/2016

Client Sample ID: LE Near 104 F
Site:

Lab Sample ID: 16081114-10
Collection Date: 8/10/2016 7:59 AM

Analyte	Method	Sample Result	Report Limit	Analyst	Anal. Date
Lead	EPA 200.8	0.57 ppb	0.5	JenB	8/12/2016

Client Sample ID: LE 106 A
Site:

Lab Sample ID: 16081114-11
Collection Date: 8/10/2016 8:02 AM

Analyte	Method	Sample Result	Report Limit	Analyst	Anal. Date
Lead	EPA 200.8	1.30 ppb	0.5	JenB	8/15/2016

Client Sample ID: LE 106 F
Site:

Lab Sample ID: 16081114-12
Collection Date: 8/10/2016 8:04 AM

Analyte	Method	Sample Result	Report Limit	Analyst	Anal. Date
Lead	EPA 200.8	0.52 ppb	0.5	JenB	8/15/2016

Client Sample ID: LE 101 A
Site:

Lab Sample ID: 16081114-13
Collection Date: 8/10/2016 8:07 AM

Analyte	Method	Sample Result	Report Limit	Analyst	Anal. Date
Lead	EPA 200.8	0.62 ppb	0.5	JenB	8/12/2016

Client Sample ID: LE 101 F
Site:

Lab Sample ID: 16081114-14
Collection Date: 8/10/2016 8:10 AM

Analyte	Method	Sample Result	Report Limit	Analyst	Anal. Date
Lead	EPA 200.8	0.51 ppb	0.5	JenB	8/12/2016

NA = not analyzed

rick Municipal Utilities Authority
551 Highway 88 West
Rick, New Jersey 08724

CHAIN OF CUSTODY / ANALYSIS REQUEST

Sample Name		E2 Reporting:		LAB USE ONLY	
Polina Shchutkalo		Check Box	if E2 reporting is requested	Lab Log Number	16081114
Phone		Provide PWSID Number, Water Facility State Code, &		Cooler Temperature	°C
973-949-3525		ERMNJ@aol.com			
District: Demarest BOE		Analysis requested (enter "X" below to indicate request)			
Facility: Luther Lee Emerson Sch		Lead	Preservative used	Preservative used	Preservative used
Date Collected	Time Collected	Matrix	No. of Containers		
08/10/16	07:37	water			
	07:39				
	07:42				
	07:44				
	07:46				
	07:49				
	07:51				
	07:54				
	07:57				
	07:59				
	08:02				
	08:04				
	08:07				
	08:10				

Luther L Emerson ES - 15 Columbus Rd, Demarest, NJ 08027		Water Metal Filtered (Y/N?)	
Company	ERM	Company	BTMCA
Received by	P. Shchutkalo	Received by	M. Hoge
Date/Time	08/10/16 09:00 a.m.	Date/Time	8/11/16-1240



1551 Highway 88 West * Brick, New Jersey 08724-2399
(732) 458-7000 * FAX (732) 836-9170
www.brickmua.com

CHRIS A. THEODOS, PE, PP, CME, CPWM, CFM
Executive Director

August 24, 2016

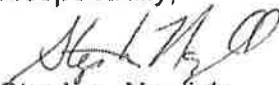
Environmental Remediation & Management, Inc.
20-10 Maple Avenue
Fair Lawn, NJ 07410

Dear Mr. Morales:

Attached are the results of the analyses performed on the sample submitted to Brick Utilities on August 11, 2016, lab #16081113. Analyses were performed in accordance with EPA 200.8. All QC criteria were met for the sample.

Thank you for choosing Brick Utilities Laboratory. If you have any questions, please don't hesitate to contact me.

Respectfully,


Stephen Naglich
Water Quality Supervisor

c: J. Maggio, Director of Water Quality
C. Rouse, Laboratory Supervisor

COMMISSIONERS

GEORGE CEVASCO
Chairman

JAMES FOZMAN
Vice Chairman

GREGORY M. FLYNN
Secretary

THOMAS C. CURTIS
Treasurer

SUSAN LYDECKER
Asst. Secretary/Treasurer

ALTERNATES

MARIA E. FOSTER



Certificate of Analysis

For: Environmental Remediation and Management
20-10 Maple Avenue
Fairlawn, NJ 07410
Attn: Guillermo Morales

Water Quality Supervisor: *Stephen Magalik* 22-Aug-16

Client Sample ID: DMS 116 A
Site:

Lab Sample ID: 16081113-01
Collection Date: 8/10/2016 7:01 AM

Analyte	Method	Sample Result	Report Limit	Analyst	Anal. Date
Lead	EPA 200.8	6.11 ppb	0.5	JenB	8/12/2016

Client Sample ID: DMS 116 F
Site:

Lab Sample ID: 16081113-02
Collection Date: 8/10/2016 7:04 AM

Analyte	Method	Sample Result	Report Limit	Analyst	Anal. Date
Lead	EPA 200.8	4.54 ppb	0.5	JenB	8/12/2016

Client Sample ID: DMS by Cafeteria A
Site:

Lab Sample ID: 16081113-03
Collection Date: 8/10/2016 7:06 AM

Analyte	Method	Sample Result	Report Limit	Analyst	Anal. Date
Lead	EPA 200.8	18.42 ppb	0.5	JenB	8/12/2016

Client Sample ID: DMS by Cafeteria F
Site:

Lab Sample ID: 16081113-04
Collection Date: 8/10/2016 7:13 AM

Analyte	Method	Sample Result	Report Limit	Analyst	Anal. Date
Lead	EPA 200.8	11.24 ppb	0.5	JenB	8/12/2016

NA = not analyzed



1551 Highway 88 West * Brick, New Jersey 08724-2399
(732) 458-7000 * FAX (732) 836-9170
www.brickmua.com

CHRIS A. THEODOS, PE, PP, CME, CPWM, CFM
Executive Director

August 24, 2016

Environmental Remediation & Management, Inc.
20-10 Maple Avenue
Fair Lawn, NJ 07410

Dear Mr. Morales:

Attached are the results of the analyses performed on the sample submitted to Brick Utilities on August 11, 2016, lab #16081112. Analyses were performed in accordance with EPA 200.8. All QC criteria were met for the sample.

Thank you for choosing Brick Utilities Laboratory. If you have any questions, please don't hesitate to contact me.

Respectfully,


Stephen Naglich
Water Quality Supervisor

c: J. Maggio, Director of Water Quality
C. Rouse, Laboratory Supervisor

COMMISSIONERS

GEORGE CEVASCO
Chairman

JAMES FOZMAN
Vice Chairman

GREGORY M. FLYNN
Secretary

THOMAS C. CURTIS
Treasurer

SUSAN LYDECKER
Asst. Secretary/Treasurer

ALTERNATES

MARIA E. FOSTER



Certificate of Analysis

For: Environmental Remediation and Management
20-10 Maple Avenue
Fairlawn, NJ 07410
Attn: Guillermo Morales

Water Quality Supervisor: *Stephen Magarik* 23-Aug-16

Client Sample ID: CRES-Classroom A-A Lab Sample ID: 16081112-01
Site: Collection Date: 8/10/2016 7:24 AM

Analyte	Method	Sample Result	Report Limit	Analyst	Anal. Date
Lead	EPA 200.8	6.71 ppb	0.5	JenB	8/23/2016

Client Sample ID: CRES-Classroom A-F Lab Sample ID: 16081112-02
Site: Collection Date: 8/10/2016 7:27 AM

Analyte	Method	Sample Result	Report Limit	Analyst	Anal. Date
Lead	EPA 200.8	0.70 ppb	0.5	JenB	8/23/2016

NA = not analyzed

