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## LEAD IN DRINKING WATER REPORT

**Performed At:**

Matawan-Aberdeen Regional School District  
Cambridge Park Pre-K, Cliffwood Ave Elementary, Lloyd Rd Elementary,  
Matawan-Aberdeen Middle School, Matawan-Aberdeen Regional High School,  
Ravine Drive Elementary, Strathmore Elementary.

**Performed For:**

Matawan-Aberdeen Regional School District  
Adam Nasr  
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Aberdeen, NJ 07747

**Prepared By:**

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Inspection Date: 5/14/2022 & 06/14/2022  
Project Number: 220555

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## Contact Information

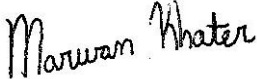
### Agency

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### Risk Assessor(s)

Site Assessor(s):	Neheru Singh
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Signature:	
Date:	May 26, 2022

### Risk Assessor(s)

Site Assessor(s):	Marwan Khater
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Date:	June 21, 2022

### Firm

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## **Introduction**

LEW Environmental Services, LLC. was contracted by Matawan-Aberdeen Regional School District to test for the presence of lead in drinking water in seven schools in the district.

## **Sampling Methodology**

LEW Environmental Services, LLC. 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 May 14-15, 2022, LEW Environmental Services, LLC. collected the following number of water samples:

## Cambridge Park Pre-K

10 first draw samples collected  
0 samples above the 15ppb action level

## Lloyd Rd Elementary

12 first draw samples collected  
1 sample above the 15ppb action level

## Strathmore Elementary

7 first draw samples collected  
1 sample above the 15ppb action level

## Matawan-Aberdeen High School

24 first draw samples  
1 sample above the 15ppb action level

## Cliffwood Ave Elementary

11 first draw samples collected  
2 samples above the 15ppb action level

## Ravine Dr Elementary

4 first draw samples collected  
0 samples above the 15ppb action level

## Matawan-Aberdeen Middle School

19 first draw samples  
0 samples above the 15ppb action level

On June 14, 2022, LEW Environmental Services, LLC. collected the following number of water samples:

## Cliffwood Ave Elementary

2 second draw samples collected and 1 QAQC sample  
0 samples above the 15ppb action level

## Lloyd Road

1 second draw samples collected and 1 QAQC sample  
0 samples above the 15ppb action level

## Matawan-Aberdeen High School

1 first draw samples and 1 QAQC sample  
0 sample 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. Non drinking sources such as hand washing sinks are not included, of those fifty percent were tested.

### Cambridge Park Pre-K

Sample Location	Reason for not testing.
Main Entry Hall – Water Cooler (1)	Not functional

### Cliffwood Elementary

Sample Location	Reason for not testing.
Room 5 Hall - Bubblers (2)	Removed
Room 17 - Bubblers (6)	Removed
Room 19 - Bubblers (7)	Removed
Room 16 - Bubblers (9)	Removed
Room 18 - Bubblers (10)	Removed
Room 11 - Bubblers (14)	Removed
Gym Hall – Bubblers (16)	Not functional
Room 10 - Bubblers (17)	Not functional
Room 9 - Bubblers (18)	Not functional
Room 8 - Bubblers (19)	Not functional
Room 24 Hall - Bubblers (21)	Removed
Room 22 Hall - Bubblers (22)	Removed
Room 21 Hall - Bubblers (23)	Removed

### Lloyd Road Elementary

Sample Location	Reason for not testing.
Cafeteria Hall - Bubblers (3)	Not functional
Media Center Hall - Bubblers (5)	Not functional
Art Hall - Bubblers (6)	Not functional
Music Hall - Bubblers (10)	Not functional
Room 25 - Bubblers (12)	Removed
Room 101 - Bubblers (15)	Not functional
Room 104 - Bubblers (16)	Not functional
Room 106 - Bubblers (17)	Not functional
Room 109 - Bubblers (20)	Removed
Room 110 - Bubblers (21)	Not functional
Room 111 - Bubblers (22)	Not functional
Room 113 - Bubblers (23)	Not functional
Room 116 - Bubblers (24)	Not functional
Room 115 - Bubblers (25)	Not functional

Room 118 - Bubblers (26)	Removed
Hall Between Rms 117-119 - Bubblers (27)	Not functional
Room 4 - Bubblers (28)	Not functional
Library - Bubblers (29)	Not functional
Room 17 - Bubblers (31)	Removed
Room 20 - Bubblers (32)	Not functional

### Strathmore Elementary

Sample Location	Reason for not testing.
Gym Hall - Bubblers (1)	Removed
Gym Hall - Bubblers (2)	Removed
Cafeteria - Water Cooler (3)	Not functional
Room 27 - Bubblers (7)	Removed
Room 28 - Bubblers (8)	Removed
Room 30 - Bubblers (9)	Removed
Room 29 - Bubblers (10)	Removed
Room 31 - Bubblers (11)	Removed
Room 32 - Bubblers (12)	Not functional
Room 33 - Bubblers (13)	Removed
Room 13 - Bubblers (16)	Not functional
Room 9 - Bubblers (17)	Not functional
Room 10 - Bubblers (18)	Not functional
Room 11 - Bubblers (19)	Not functional
Room 12 - Bubblers (20)	Not functional
Room 5 - Bubblers (21)	Not functional
Room 6 - Bubblers (22)	Not functional
Room 7 - Bubblers (23)	Not functional
Room 8 - Bubblers (24)	Not functional
Room 2 - Bubblers (26)	Removed
Room 3 - Bubblers (27)	Not functional
Room 4 - Bubblers (28)	Not functional
Library - Bubblers (29)	Not functional
Room 15 - Bubblers (30)	Not functional
Room 17 - Bubblers (31)	Not functional
Room 20 - Bubblers (32)	Not functional
Room 21 - Bubblers (33)	Not functional
Room 22 - Bubblers (34)	Not functional
Room 23 - Bubblers (35)	Not functional
Room 25 - Bubblers (37)	Removed
Room 26 - Bubblers (38)	Removed

### Ravine Drive Elementary

Sample Location	Reason for not testing.
Boiler Room Hall - Bubblers (1)	Not functional
Main Hall - Bubblers (7)	Not functional
Main Hall - Bubblers (8)	Not functional
Room A - Bubblers (9)	Not functional
Room 2 - Bubblers (10)	Not functional
Main Hall - Bubblers (11)	Not functional
Main Hall - Bubblers (12)	Not functional
Room 23 Art - Bubblers (13)	Not functional
Room 23 Hall - Bubblers (14)	Not functional
Room 13 - Bubblers (15)	Removed
Room 13 - Bubblers (16)	Not functional
Room 14 - Bubblers (17)	Removed
Room 15 - Bubblers (18)	Not functional
Room 16 - Bubblers (19)	Not functional
Room 17 - Bubblers (20)	Not functional
Room 18 - Bubblers (21)	Not functional
Room 19- Bubblers (22)	Not functional
Room 20 - Bubblers (23)	Not functional
Room 20 Hall - Bubblers (24)	Not functional
Room 21 - Bubblers (25)	Not functional
Room 22 - Bubblers (26)	Not functional

### Matawan-Abrdeen Middle School

Sample Location	Reason for not testing.
Old Gym Hall - Bubblers (5)	Removed
Old Gym Hall - Bubblers (6)	Removed
Room 506 Hall - Bubblers (8)	Not functional
Room 506 - Bubblers (11)	Removed
Stage 500 Hall – Water Cooler (13)	Removed
Room 200 - Bubblers (15)	Not functional
Room 201 - Bubblers (16)	Not functional
Room 212 Hall - Bubblers (20)	Not functional
Room 217 - Bubblers (21)	Not functional
Room 218 - Bubblers (22)	Not functional
Room 117 - Bubblers (23)	Not functional
Room 116 - Bubblers (24)	Not functional
Room 119 Guidance - Water Cooler (27)	Not functional
Room 101 - Bubblers (28)	Not functional
Room 100 - Bubblers (29)	Not functional
Room 306 - Bubblers (32)	Not functional
Room 309- Bubblers (34)	Not functional



### Matawan-Abrdeen HighSchool

Sample Location	Reason for not testing.
Kitchen - Sink (6)	Not functional
200 Hall - Bubbler (10)	Removed
200 Hall - Bubbler (11)	Removed
300 Hall - Bubbler (12)	Not functional
300 Hall - Bubbler (13)	Not functional
400 Hall - Bubbler (16)	Not functional
400 Hall - Bubbler (17)	Not functional
500 Hall – Water Cooler (20)	Not functional
500 Hall – Water Cooler (23)	Not functional
500 Hall – Water Cooler (24)	Not functional
600 Hall – Water Cooler (26)	Not functional
600 Hall – Water Cooler (27)	Not functional
100 Hall – Water Cooler (30)	Not functional
Field House – Ice Machine (42)	Not functional

### Strathmore Elementary 06/14/2022

Location	Reason for not testing.
Room 34 Bubbler	Not Functional

## Recommendations

Those outlets where the first draw sample tested below 15ppb are not considered to be elevated and no mitigation is necessary.

For those outlets where the first draw sample exceeds 15ppb the following steps are recommended:

- 1) Immediately discontinue use of the outlets.
- 2) Conduct second draw (flush) samples on these outlets to further delineate source of contamination.

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

## **Additional Recommendations**

- 1) Follow-up samples should be collected after any remediation efforts in order to determine the efficacy of the work.
- 2) Any of the inoperable/non-functioning outlets listed above that are brought back into service should be sample.
- 3) Comply with all requirements set forth in NJAC 6A:26.

## Appendix A Exceedances

### Cliffwood Ave Elementary

Sample ID	Location	Concentration (ug/L) Or ppb
3-CE-TL	Teacher Lounge Sink	16
12-CE-WC	Cafeteria Hall Water Cooler	20.1

### Lloyd Rd Elementary

Sample ID	Location	Concentration (ug/L) Or ppb
7-LR-WC	Art Hall Water Cooler	73.9

### Strathmore Elementary

Sample ID	Location	Concentration (ug/L) Or ppb
14-SE-DW	Room 34 Bubbler	63.3

### Matawan-Aberdeen High School

Sample ID	Location	Concentration (ug/L) Or ppb
34-MRHS-EC	Room 202 Home Economic Sink	17.1

## Exceedances 06/14/2022

Sample ID	Location	Concentration (ug/L) Or ppb
	NONE	

## Appendix B Recommendations

School	Sample ID	Location	Remediation Recommendation
Cliffwood Ave Elementary	3-CE-TL	Teacher Lounge Sink	Stop usage of outlet. Perform second draw sampling.
Cliffwood Ave Elementary	12-CE-WC	Cafeteria Hall Water Cooler	
Lloyd Rd Elementary	7-LR-WC	Art Hall Water Cooler	
Strathmore Elementary	14-SE-DW	Room 34 Bubbler	
Matawan-Aberdeen High School	34-MRHS-EC	Room 202 Home Economic Sink	

### Recommendations 06/14/2022

School	Sample ID	Location	Remediation Recommendation
NONE			

## Appendix C All Results

### Cambridge Park Pre-K

Date Collected	Analysis Date	Sample ID	Sample Description	Concentration (ug/L) Or ppb
5/14/2022	05/23/2022	4-CP-TL	TEACHER LOUNGE SINK	8.67
5/14/2022	05/23/2022	5-CP-WC	ROOM 11 HALL WATER COOLER	<1.00
5/14/2022	05/23/2022	6-CP-S	ROOM 11 SINK	1.34
5/14/2022	05/23/2022	8-CP-S	ROOM 9 SINK	1.81
5/14/2022	05/23/2022	10-CP-S	ROOM 7 SINK	2.78
5/14/2022	05/23/2022	12-CP-S	ROOM 5 SINK	1.34
5/14/2022	05/23/2022	14-CP-S	ROOM 3 SINK	1.99
5/14/2022	05/23/2022	16-CP-S	ROOM 1 SINK	2.13
5/14/2022	05/23/2022	17-CP-DW	ROOM 10 HALL WATER COOLER	<1.00
5/14/2022	05/23/2022	19-CP-S	ROOM 19 SINK	7.01
5/14/2022	05/23/2022	99-CP-S	SUNROOM SINK	<1.00

### Cliffwood Elementary

Date Collected	Analysis Date	Sample ID	Sample Description	Concentration (ug/L) Or ppb
05/15/2022	05/25/2022	1-CE-DW	ROOM 5 HALL BUBBLER	4.26
<b>05/15/2022</b>	<b>05/25/2022</b>	<b>3-CE-TL</b>	<b>TEACHER LOUNGE SINK</b>	<b>16.0</b>
05/15/2022	05/25/2022	5-CE-DW	ROOM 2 HALL BUBBLER	3.87
05/15/2022	05/25/2022	10-CE-DW	CAFETERIA HALL BUBBLER	9.03
05/15/2022	05/25/2022	11-CE-DW	CAFETERIA HALL BUBBLER	9.47
<b>05/15/2022</b>	<b>05/25/2022</b>	<b>12-CE-WC</b>	<b>CAFETERIA HALL WATER COOLER</b>	<b>20.1</b>
05/15/2022	05/25/2022	13-CE-FP	KITCHEN SINK	9.35
05/15/2022	05/25/2022	16-CE-DW	GYM HALL BUBBLER	<1.00
05/15/2022	05/25/2022	20-CE-DW	ROOM 24 HALL BUBBLER	<1.00
05/15/2022	05/25/2022	24-CE-DW	ROOM 21 HALL BUBBLER	<1.00
05/15/2022	05/25/2022	99-CE-S	SUN ROOM SINK	<1.00

### Lloyd Rd Elementary

Date Collected	Analysis Date	Sample ID	Sample Description	Concentration (ug/L) Or ppb
05/14/2022	05/25/2022	1-LR-FP	KITCHEN SINK	2.07
05/14/2022	05/25/2022	2-LR-WC	KITCHEN SINK	1.32
05/14/2022	05/25/2022	4-LR-WC	CAFETERIA WATER COOLER	<1.00
<b>05/14/2022</b>	<b>05/25/2022</b>	<b>7-LR-WC</b>	<b>ART HALL WATER COOLER</b>	<b>73.9</b>
05/14/2022	05/25/2022	8-LR-NS	NURSE OFFICE SINK	<1.00
05/14/2022	05/25/2022	9-LR-TL	TEACHER LOUNGE SINK	<1.00

05/14/2022	05/25/2022	11-LR-DW	ROOM 26 BUBBLER	5.95
05/14/2022	05/25/2022	13-LR-WC	GYM HALL WATER COOLER	<1.00
05/14/2022	05/25/2022	14-LR-DW	REAR GYM HALL BUBBLER	1.16
05/14/2022	05/25/2022	18-LR-WC	1ST FLOOR HALL WATER COOLER	<1.00
05/14/2022	05/25/2022	19-LR-DW	1ST FLOOR HALL BUBBLER	3.39
05/14/2022	05/25/2022	30-LR-WC	ROOM 15 WATER COOLER	<1.00
05/14/2022	05/25/2022	99-LR-S	SUN ROOM SINK	<1.00

### Ravine Drive Elementary

Date Collected	Analysis Date	Sample ID	Sample Description	Concentration (ug/L) Or ppb
05/15/2022	05/21/2022	2-RD-FP	KITCHEN SINK	1.89
05/15/2022	05/21/2022	3-RD-WC	CAFETERIA HALL WATER COOLER	<1.00
05/15/2022	05/21/2022	5-RD-NS	NURSE OFFICE SINK	<1.00
05/15/2022	05/21/2022	6-RD-TL	TEACHER LOUNGE SINK	<1.00
05/15/2022	05/21/2022	99-RD-S	SUN ROOM SINK	<1.00

### Strathmore Elementary

Date Collected	Analysis Date	Sample ID	Sample Description	Concentration (ug/L) Or ppb
05/14/2022	05/24/2022	4-SE-FP	KITCHEN SINK	1.44
05/14/2022	05/24/2022	5-SE-WC	C WING HALL WATER COOLER	<1.00
05/14/2022	05/24/2022	6-SE-NS	NURSE OFFICE SINK	1.68
<b>05/14/2022</b>	<b>05/24/2022</b>	<b>14-SE-DW</b>	<b>ROOM 34 BUBBLER</b>	<b>63.3</b>
05/14/2022	05/24/2022	15-SE-TL	FACULTY LOUNGE SINK	1.25
05/14/2022	05/24/2022	25-SE-DW	ROOM 1 BUBBLER	10.8
05/14/2022	05/24/2022	36-SE-DW	ROOM 24 BUBBLER	4.52
05/14/2022	05/24/2022	99-SE-SR	SUN ROOM SINK	<1.00

### Matawan-Aberdeen Middle School

Date Collected	Analysis Date	Sample ID	Sample Description	Concentration (ug/L) Or ppb
05/14/2022	05/25/2022	1-MAM-IM	KITCHEN ICE MACHINE	<1.00
05/14/2022	05/25/2022	2-MAM-FP	KITCHEN SINK	<1.00
05/14/2022	05/25/2022	3-MAM-KC	KITCHEN SINK	<1.00
05/14/2022	05/25/2022	4-MAM-WC	CAFETERIA WATER COOLER	<1.00
05/14/2022	05/25/2022	6-MAM-DW	OLD GYM HALL BUBBLER	<1.00
05/14/2022	05/25/2022	7-MAM-WC	BOY'S LOCKER ROOM WATER COOLER	<1.00
05/14/2022	05/25/2022	9-MAM-WC	GIRL'S LOCKER ROOM WATER COOLER	<1.00
05/14/2022	05/25/2022	14-MAM-WC	STAGE 500 HALL WATER COOLER	<1.00
05/14/2022	05/25/2022	17-MAM-S	PREP ROOM 206 SINK	1.13
05/14/2022	05/25/2022	18-MAM-WC	ROOM 216 GUIDANCE WATER COOLER	<1.00
05/14/2022	05/25/2022	19-MAM-DW	ROOM 205 BUBBLER	<1.00

05/14/2022	05/25/2022	25-MAM-WC	ROOM 112 HALL WATER COOLER	<1.00
05/14/2022	05/25/2022	26-MAM-DW	ROOM 105 BUBBLER	<1.00
05/14/2022	05/25/2022	30-MAM-TL	TEACHER LOUNGE SINK	<1.00
05/14/2022	05/25/2022	31-MAM-WC	ROOM 300 HALL WATER COOLER	<1.00
05/14/2022	05/25/2022	33-MAM-S	ROOM 307 PREP SINK	1.19
05/14/2022	05/25/2022	35-MAM-DW	ROOM 308 BUBBLER	1.69
05/14/2022	05/25/2022	36-MAM-WC	NEW GYM HALL WATER COOLER	<1.00
05/14/2022	05/25/2022	37-MAM-WC	NEW GYM HALL WATER COOLER	<1.00
05/14/2022	05/25/2022	99-MAM-S	SUN ROOM SINK	<1.00

### Matawan-Aberdeen Regional High School

Date Collected	Analysis Date	Sample ID	Sample Description	Concentration (ug/L) Or ppb
05/15/2022	05/24/2022	1-MRHS-KC	KITCHEN SINK	<1.00
05/15/2022	05/24/2022	2-MRHS-FP	KITCHEN SINK	11.9
05/15/2022	05/24/2022	3-MRHS-FP	KITCHEN SINK	4.48
05/15/2022	05/24/2022	4-MRHS-FP	KITCHEN SINK	2.42
05/15/2022	05/24/2022	5-MRHS-FP	KITCHEN SINK	<1.00
05/15/2022	05/24/2022	7-MRHS-IM	KITCHEN ICE MACHINE	<1.00
05/15/2022	05/24/2022	8-MRHS-WC	CAFETERIA WATER COOLER	<1.00
05/15/2022	05/24/2022	9-MRHS-WC	HUSKY STAFF CAFE WATER COOLER	1.28
05/15/2022	05/24/2022	15-MRHS-TL	300 FACULTY LOUNGE SINK	2.15
05/15/2022	05/24/2022	18-MRHS-WC	GIRL'S LOCKER ROOM WATER COOLER	<1.00
05/15/2022	05/24/2022	19-MRHS-WC	WEIGHT ROOM WATER COOLER	<1.00
05/15/2022	05/24/2022	21-MRHS-WC	BOY'S LOCKER ROOM WATER COOLER	<1.00
05/15/2022	05/24/2022	22-MRHS-IM	ROOM 510 ICE MACHINE	<1.00
05/15/2022	05/24/2022	25-MRHS-S	ROOM 600 SINK	<1.00
05/15/2022	05/24/2022	31-MRHS-S	ROOM 112 SINK	1.43
05/15/2022	05/24/2022	32-MRHS-DW	100 HALL BUBBLER	2.21
<b>05/15/2022</b>	<b>05/24/2022</b>	<b>34-MRHS-EC</b>	<b>ROOM 202 HOME EC SINK</b>	<b>17.1</b>
05/15/2022	05/24/2022	35-MRHS-EC	ROOM 202 HOME EC SINK	<1.00
05/15/2022	05/24/2022	36-MRHS-EC	ROOM 202 HOME EC SINK	1.27
05/15/2022	05/24/2022	37-MRHS-EC	ROOM 202 HOME EC SINK	<1.00
05/15/2022	05/24/2022	38-MRHS-EC	ROOM 202 HOME EC SINK	<1.00
05/15/2022	05/24/2022	39-MRHS-EC	ROOM 202 HOME EC SINK	<1.00
05/15/2022	05/24/2022	40-MRHS-EC	ROOM 202 HOME EC SINK	<1.00
05/15/2022	05/24/2022	41-MRHS-EC	FIELD HOUSE SINK	14.7
05/15/2022	05/24/2022	99-MRHS-S	SUNROOM SINK	<1.00

**All results 06/14/2022**



## Lloyd Road

Sample ID	Sample Location	Date Sampled	Concentration (ug/L)
7-LR-WC	ART HALL WATER COOLER	06/14/2022	7.10
LR-SR	SUNROOM	06/14/2022	<1.00

## Matawan-Aberdeen High School

Sample ID	Sample Location	Date Sampled	Concentration (ug/L)
34-MRHS-EC	ROOM 202 HOME EC	06/14/2022	<1.00
MRHS-SR	SUNROOM	06/14/2022	<1.00

## Cliffwood Avenue Elementary

Sample ID	Sample Location	Date Sampled	Concentration (ug/L)
3-CE-TL	TEACHER'S LOUNGE SINK	06/14/2022 2	<1.00
12-CE-WC	CAFETERIA HALL WC	06/14/2022 2	8.28
CE-SR	SUNROOM	06/14/2022 2	<1.00

**Appendix D      Floor Plan(s)**

## **Appendix E      Laboratory Data**