

**Regulatory Compliance
245 Albany Avenue
Thornwood, New York 10594
(914) 439-6513**

**Lead Concentration
In Drinking Water**

At

**Tuckahoe UFSD
65 Siwanoy Blvd
Eastchester, NY 10709**

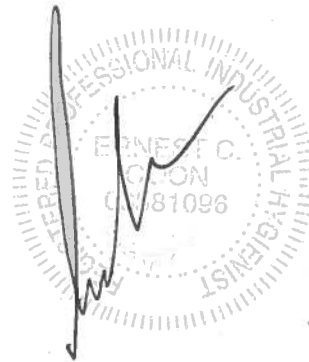
**High School
Cottle School**

RegCom's Project Number: TUCK.1146.16.IH

Date of Survey:
October 29, 2016

Field Work performed by:
Ernest Coon, MSc, RPIH, HEM

Report Written by:
Ernest Coon, MSc, RPIH, HEM
November 10, 2016



ABSTRACT

The Tuckahoe UFSD retained Regulatory Compliance to test the water sinks/outdoor spigots in selected areas, as identified by the district, for lead contamination. The overall objective is to determine the lead content in drinking water in the districts buildings. The District has two (2) buildings.

A total of 77 samples were collected (including blanks) and analyzed for lead contaminates.

The water fountains /sinks that were tested are in compliance with the NYS *Lead testing in School Drinking Water – 10 NYCRR Subpart 67-4*, with the exception of the sinks/water fountains listed in the Results Section of the report.

For all outlets that exceed the NYS Action Level action is required. In accordance with the Lead testing in School Drinking Water – 10 NYCRR Subpart 67-4, if lead is detected the school is obligated to:

- Prohibit use of the outlet until a remediation plan is implemented and test results indicate that the lead levels are at or below the action level.
- Provide building occupants with an adequate supply of potable water for drinking and cooking until remediation is performed.
- Report the results to the local health department as soon as practicable but no more than 1 business day after the school received the laboratory report.
- Notify all staff and all persons in parental relation to students of the test results in writing as soon as practicable but no more than 10 business days after the school received the laboratory report.
- The school shall make available the results of all lead testing performed and remediation plans implemented on its website as soon as practicable, but no later than 6 weeks after the school received the laboratory results.

Recommendations and NYS DOH required actions:

- For all outlets that exceed the NYS Action Level action is required. In accordance with the Lead testing in School Drinking Water – 10 NYCRR Subpart 67-4, if lead is detected the school is obligated to:
 - Prohibit use of the outlet until a remediation plan is implemented and test results indicate that the lead levels are at or below the action level.
 - Provide building occupants with an adequate supply of potable water for drinking and cooking until remediation is performed.
 - Report the results to the local health department as soon as practicable but no more than 1 business day after the school received the laboratory report.
 - Notify all staff and all persons in parental relation to students of the test results in writing as soon as practicable but no more than 10 business days after the school received the laboratory report.

- The school shall make available the results of all lead testing performed and remediation plans implemented on its website as soon as practicable, but no later than 6 weeks after the school received the laboratory results.
- If the sink isn't used for consumption or food preparation, in accordance with the NYS DOH regulation, Lead testing in School Drinking Water – 10 NYCRR Subpart 67-4 and the FAQs posted on the NYS DOH website, FAQ #16, it appears that school might meet compliance by simply posting a sign (age appropriate) stating that the water should not be used for drinking or cooking.
- If aerators are present in the affected sinks (lead sediment can build up and leach out and end up in the drinking water), they should be removed cleaned, reinstalled and the fixture should be retested.
- Install a water filter to control the lead concentration and, maintain and replace the filter in accordance with the manufactures requirements/instructions. The process should be documented. The fixture should be retested.
- If a water filter was in use and the unit's lead concentration exceeded the regulatory limit, then the filter should be replaced and the unit retested.

Reminders:

- For results of tests performed before the effective date of these regulations, notify all staff and all persons in parental relation to students within 10 business days of this regulation's effective date, unless written notification has already occurred.
- As soon as practicable but no later than November 11, 2016 schools must report all testing results (whether above or below 15 ppb) to DOH, SED, local health department through the Department's designated statewide electronic reporting system.

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**Laboratory Results for Lead
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School Drinking Water (FAQs)**

1.0 INTRODUCTION

The Tuckahoe UFSD retained Regulatory Compliance to test the water sinks/outdoor spigots in selected areas, as identified by the district, for lead contamination. The overall objective is to determine the lead content in drinking water in the districts buildings. The District has two (2) buildings.

Lead is a toxic metal that can be harmful when ingested (or inhaled), and young children are particularly sensitive to the effects of lead. Lead can get into drinking water by being present in the source water, or by interaction of the water with plumbing materials containing lead (through corrosion). Common sources of lead in drinking water include: solder, fluxes, pipes and pipefittings, fixtures, and sediments. Thus, it is possible that different water outlets in a given building could have dissimilar concentrations of lead. Lead in drinking water is regulated under the Safe Drinking Water Act (1974) as amended. The Lead Contamination Control Act (LCCA) amended the Safe Drinking Water Act and is aimed at identifying and reducing lead in drinking water in schools (and day care facilities). In April 1994, EPA prepared two guidance documents to assist municipalities in meeting the requirements of the LCCA. On September 6, 2016 the Department of Health DOH issued emergency regulations for the implementation of the new law, *Lead Testing in School Drinking Water*, the regulations became Subpart 67-4 of Title 10 (Health) of the Official Compilation of Codes, Rule and Regulations of the State of New York.

2.0 SAMPLING METHODOLOGY

Samples were collected in accordance with the *Lead testing in School Drinking Water – 10 NYCRR Subpart 67-4.3*. A first-draw sample was collected in a wide mouth 250 mL bottle and collected from a cold water outlet before the water is used. The water was motionless in the pipes for a minimum of 8 hours but not more than 18 hours prior to collection.

3.0 RESULTS

The water fountains /sinks that were tested are in compliance with the NYS *Lead testing in School Drinking Water – 10 NYCRR Subpart 67-4*, with the exception of the sinks/water fountains listed in the Results Section of the report.

Table 1.0 Locations that are above the lead EPA Action Level of 0.015 mg/L:

Number	Sample ID #	Location Cottle School	1 st Draw (mg/L)	Comments
1	65	Women's Faculty Bathroom Near Room 11 - Sink	0.032	Sink
2	66	Custodial Closet Near Room 11 – Slop Sink	0.038	Slop Sink
3	67	Outside Spigot – Canopy Entrance	0.017	Spigot
4	68	Outside Spigot – Outside Pre-K Classroom	0.032	Spigot
5	70	Outside Spigot – Outside Bietsch's Classroom	0.333	Spigot
6	73	Outside Spigot – Outside Classroom #5	0.457	Spigot
7	74	Outside Spigot – Outside Gymnasium	0.114	Spigot
8	75	Outside Spigot – Outside Classroom #31	0.085	Spigot

Table 2.0 Locations that are above the lead EPA Action Level of 0.015 mg/L:

Number	Sample ID #	Location High School	1 st Draw (mg/L)	Comments
1	24	Custodians Office – Sink #2	0.025	Sink- Counting sinks from left to right
2	26	Custodians Office – Spigot next to sink	0.028	Spigot

Number	Sample ID #	Location High School	1 st Draw (mg/L)	Comments
3	27	Men's Room – Near Room 268 – Sink #1	0.027	Sink- Counting sinks from left to right
4	29	Men's Room – Near Room 268 – Sink #3	0.020	Sink- Counting sinks from left to right
5	30	Girl's Room – Near Room 268 – Sink #1	0.017	Sink- Counting sinks from left to right
6	31	Girl's Bathroom – Near Room 268 – Sink #2	0.534	Sink- Counting sinks from left to right
7	40	Men's Faculty Bathroom – Near Superintendent's Office - Sink	0.018	Sink
8	43	Outside Spigot – Outside Band Room	0.470	Spigot

4.0 10 NYCRR Subpart 67-4 REQUIREMENTS, RECOMMENDATIONS & REMINDERS

10 NYCRR Subpart 67-4 Requirements:

- For all outlets that exceed the NYS Action Level action is required. In accordance with the Lead testing in School Drinking Water – 10 NYCRR Subpart 67-4, if lead is detected the school is obligated to:
 - Prohibit use of the outlet until a remediation plan is implemented and test results indicate that the lead levels are at or below the action level.
 - Provide building occupants with an adequate supply of potable water for drinking and cooking until remediation is performed.
 - Report the results to the local health department as soon as practicable but no more than 1 business day after the school received the laboratory report.
 - Notify all staff and all persons in parental relation to students of the test results in writing as soon as practicable but no more than 10 business days after the school received the laboratory report.
 - The school shall make available the results of all lead testing performed and remediation plans implemented on its website as soon as practicable, but no later than 6 weeks after the school received the laboratory results.

Recommendations:

- If the sink isn't used for consumption or food preparation, in accordance with the

NYS DOH regulation, Lead testing in School Drinking Water – 10 NYCRR Subpart 67-4 and the FAQs posted on the NYS DOH website, FAQ #16, it appears that school might meet compliance by simply posting a sign (age appropriate) stating that the water should not be used for drinking or cooking.

- If aerators are present in the affected sinks (lead sediment can build up and leach out and end up in the drinking water), they should be removed cleaned, reinstalled and the fixture should be retested.
- Install a water filter to control the lead concentration and, maintain and replace the filter in accordance with the manufactures requirements/instructions. The process should be documented. The fixture should be retested.
- If a water filter was in use and the unit's lead concentration exceeded the regulatory limit, then the filter should be replaced and the unit retested.

Reminders:


- For results of tests performed before the effective date of these regulations, notify all staff and all persons in parental relation to students within 10 business days of this regulation's effective date, unless written notification has already occurred.
- As soon as practicable but no later than November 11, 2016 schools must report all testing results (whether above or below 15 ppb) to DOH, SED, local health department through the Department's designated statewide electronic reporting system.

Laboratory Results for Lead in water

Eastern Analytical Services, Inc.

Water Sample Report

RE: CPN TUCK-1146-16-IH - Tuckahoe UFSD - Cottle School

Date Collected: 10/29/2016
Collected By: S. Coon
Date Received: 10/31/2016
Date Analyzed: 11/04/2016
Analyzed By: Peter P. Argyrakis
Signature: 
Analyte: Pb Water
Analytical Method: EPA 200.9
NYS Lab Number: 10851


Client: RegCom
245 Albany Avenue
Thornwood, NY 10594

Sample ID# / Lab ID#	Sample Location	Sample Notes	Concentration
46 2463100	Boys Bathroom Near Room 38 - Sink #1 (From Left to Right)	Water	0.001 mg/L
47 2463101	Boys Bathroom Near Room 38 - Sink #2 (From Left to Right)	Water	0.004 mg/L
48 2463102	Girls Bathroom Near Room 38 - Sink #1 (From Left to Right)	Water	0.001 mg/L
49 2463103	Girls Bathroom Near Room 38 - Sink #2 (From Left to Right)	Water	0.002 mg/L
50 2463104	Womens Faculty Bathroom Near Room 38 - Sink	Water	0.004 mg/L
51 2463105	Mens Faculty Bathroom Near Room 38 - Sink	Water	0.006 mg/L
52 2463106	Mens Faculty Bathroom Near Room 38 - Slop Sink	Water	0.001 mg/L
53 2463107	Faculty Bathroom/Room 27 - Sink	Water	0.001 mg/L
54 2463108	Faculty Bathroom Near Faculty Lounge	Water	0.012 mg/L

Below Detectable Limits
Quantity Limited to Cost of Analysis
Results Applicable to Those Items Tested


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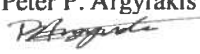
Sample ID# / Lab ID#	Sample Location	Sample Notes	Concentration
55 2463109	Boys Bathroom Next to Faculty Lounge - Sink #1 (From Left to Right)	Water	0.007 mg/L
56 2463110	Boys Bathroom Next to Faculty Lounge - Sink #2 (From Left to Right)	Water	0.003 mg/L
57 2463111	Boys Bathroom Next to Faculty Lounge - Sink #3 (From Left to Right)	Water	0.002 mg/L
58 2463112	Girls Bathroom Next to Faculty Lounge - Sink #1 (From Left to Right)	Water	0.006 mg/L
59 2463113	Girls Bathroom Next to Faculty Lounge - Sink #2 (From Left to Right)	Water	0.003 mg/L
60 2463114	Girls Bathroom Next to Faculty Lounge - Sink #3 (From Left to Right)	Water	0.003 mg/L
61 2463115	Girls Bathroom Next to Faculty Lounge - Sink #4 (From Left to Right)	Water	0.005 mg/L
62 2463116	Custodial Closet Next to Faculty Lounge - Slop Sink	Water	0.001 mg/L
63 2463117	Nurse Office - Sink	Water	0.002 mg/L

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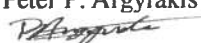
Sample ID# / Lab ID#	Sample Location	Sample Notes	Concentration
64 2463118	Faculty Bathroom Mens Near Room 11 - Sink	Water	0.004 mg/L
65 2463119	Faculty Bathroom Womens Near Room 11 - Sink	Water	0.032 mg/L
66 2463120	Custodial Closet Near Room 111 - Slop Sink	Water	0.038 mg/L
67 2463121	Outside Spigot - Canopy Entrance	Water	0.017 mg/L
68 2463122	Outside Spigot - Outside Pre-K Classroom	Water	0.032 mg/L
69 2463123	Outside Spigot - Outside Main Entrance	Water	0.001 mg/L
70 2463124	Outside Spigot - Outside Bietsch's Classroom	Water	0.333 mg/L
71 2463125	Outside Spigot - Kindergarten Play Ground	Water	0.010 mg/L
72 2463126	Outside Spigot - Back Parking Lot Near to Shed	Water	0.012 mg/L

 Below Detectable Limits
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Results Applicable to Those Items Tested
AIHA Accreditation No. 418 Rhode Island DOH No. AAL-072T3 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AAS-2095

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Client: RegCom
245 Albany Avenue
Thornwood, NY 10594


Sample ID# / Lab ID#	Sample Location	Sample Notes	Concentration
73 2463127	Outside Spigot - Outside of Room #5	Water	0.457 mg/L
74 2463128	Outside Spigot - Outside Gym	Water	0.114 mg/L
75 2463129	Outside Spigot - Outside Classroom #31	Water	0.085 mg/L
76 2463130	Not Applicable	Water Blank	0.005 mg/L
77 2463131	Bathroom - Hallway - Next to Room 41 - Sink	Water	0.001 mg/L



Eastern Analytical Services, Inc.

Water Sample Report

RE: CPN TUCK-1146-16-1H - Tuckahoe UFSD - High School

Date Collected: 10/29/2016
Collected By: Ernest Coon
Date Received: 10/31/2016
Date Analyzed: 11/03/2016
Analyzed By: Peter P. Argyrakis
Signature: 
Analyte: Pb Water
Analytical Method: EPA 200.9
NYS Lab Number: 10851

Client: RegCom
245 Albany Avenue
Thornwood, NY 10594

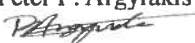
Sample ID# / Lab ID#	Sample Location	Sample Notes	Concentration
1 2462903	Boys Room - Near Room 205 - Sink #1 (From Left to Right)	Water	0.008 mg/L
2 2462904	Boys Room - Near Room 205 - Sink #2 (From Left to Right)	Water	0.015 mg/L
3 2462905	Girls Room - Near Room 208 - Sink #1 (From Left to Right)	Water	0.005 mg/L
4 2462906	Girls Room - Near Room 208 - Sink #2 (From Left to Right)	Water	0.006 mg/L
5 2462907	Girls Room - Near Room 308 - Sink #1 (From Left to Right)	Water	0.008 mg/L
6 2462908	Girls Room - Near Room 308 - Sink #2 (From Left to Right)	Water	0.009 mg/L
7 2462909	Boys Bathroom - Room 312 - Sink #1 (From Left to Right)	Water	0.003 mg/L
8 2462910	Boys Bathroom - Room 312 - Sink #2 (From Left to Right)	Water	0.002 mg/L
9 2462911	Custodians Closet - Slop Sink - Near Room 312	Water	0.005 mg/L

Below Detectable Limits
Quantity Limited to Cost of Analysis
Results Applicable to Those Items Tested

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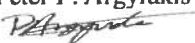
Sample ID# / Lab ID#	Sample Location	Sample Notes	Concentration
10 2462912	Custodians Closet - Slop Sink - Near 202B	Water	0.011 mg/L
11 2462913	Custodians Closet - Slop Sink - Near Room 105	Water	0.007 mg/L
12 2462914	Room 128 - Ice Machine	Water	0.001 mg/L
13 2462915	Girls Locker Room - Entrance Near Room 128 - Sink #1 (From Left to Right)	Water	0.014 mg/L
14 2462916	Girls Locker Room - Entrance Near Room 128 - Sink #2 (From Left to Right)	Water	0.001 mg/L
15 2462917	Girls Locker Room - Entrance Near Coaches Room - Sink	Water	0.001 mg/L
16 2462918	Womens Room - Near Room 128	Water	0.003 mg/L
17 2462919	Mens Room - Near Room 128	Water	0.002 mg/L
18 2462920	Boys Locker Room - Near Room 128 - Sink #1 (From Left to Right)	Water	0.002 mg/L

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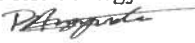
Sample ID# / Lab ID#	Sample Location	Sample Notes	Concentration
19 2462921	Boys Locker Room - Near Room 128 - Sink #2 (From Left to Right)	Water	0.001 mg/L
20 2462922	Boys Locker Room - Near Room 128 - Sink #3 (From Left to Right)	Water	0.001 mg/L
21 2462923	Boys Locker Room - Coaches Office - Sink	Water	0.001 mg/L
22 2462924	Garage - Slop Sink	Water	0.003 mg/L
23 2462925	Custodians Office - Sink #1	Water	0.008 mg/L
24 2462926	Custodians Office - Sink #2	Water	0.025 mg/L
25 2462927	Custodians Office - Ice Machine	Water	0.003 mg/L
26 2462928	Custodians Office - Spigot Next to Sink	Water	0.028 mg/L
27 2462929	Mens Room - Near Room 268 - Sink #1 (From Left to Right)	Water	0.027 mg/L

 = Below Detectable Limits
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Signature: 
Analyte: Pb Water
Analytical Method: EPA 200.9
NYS Lab Number: 10851

Client: RegCom
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Sample ID# / Lab ID#	Sample Location	Sample Notes	Concentration
28 2462930	Mens Room - Near Room 268 - Sink #2 (From Left to Right)	Water	0.010 mg/L
29 2462931	Mens Room - Near Room 268 - Sink #3 (From Left to Right)	Water	0.020 mg/L
30 2462932	Girls Room - Near Room 268 - Sink #1 (From Left to Right)	Water	0.017 mg/L
31 2462933	Girls Bathroom - Near Room 268 (From Left to Right)	Water	0.534 mg/L
32 2462934	Custodians Closet - Slop Sink - Near Room 268	Water	0.012 mg/L
33 2462935	Library Classroom - Sink	Water	0.008 mg/L
34 2462936	Girls Bathroom - Near Room 113 - Sink #1 (From Left to Right)	Water	0.008 mg/L
35 2462937	Girls Bathroom - Near Room 113 - Sink #2 (From Left to Right)	Water	0.007 mg/L
36 2462938	Boys Bathroom - Near Room 113 - Sink #1 (From Left to Right)	Water	0.004 mg/L

Below Detectable Limits
Not Limited to Cost of Analysis
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Signature: 
Analyte: Pb Water
Analytical Method: EPA 200.9
NYS Lab Number: 10851

Client: RegCom
245 Albany Avenue
Thornwood, NY 10594

Sample ID# / Lab ID#	Sample Location	Sample Notes	Concentration
37 2462939	Boys Bathroom - Near Room 113 - Sink #2 (From Left to Right)	Water	0.006 mg/L
38 2462940	Teachers Lounge - Mens Bathroom - Sink	Water	0.004 mg/L
39 2462941	Teachers Lounge - Womens Bathroom - Sink	Water	0.003 mg/L
40 2462942	Mens Faculty Bathroom - Near Superintendent's Office - Sink	Water	0.018 mg/L
41 2462943	Womens Faculty Bathroom - Near Superintendent's Office - Sink	Water	0.009 mg/L
42 2462944	Outside Spigot Parking Lot	Water	0.008 mg/L
43 2462945	Outside Spigot Outside Band Room	Water	0.470 mg/L
44 2462946	Outside Spigot Business Office Courtyard	Water	0.012 mg/L
45 2462947	Outside Spigot High School Office Courtyard	Water	0.002 mg/L

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