Water Resources and Infrastructure Planning Program
an Indiana Finance Authority Environmental Program

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June 1, 2018

Mrs. Anne Stillman, Principal
Newton Yost Elementary School
100 W. Beam Street
Porter, IN 46304

Re: Newton Yost Elementary School Lead Sampling Program Results

Dear Mrs. Stillman:

On April 20, 2018, water samples were collected from 74 drinking water fixtures at Newton Yost Elementary School and sent to a state-certified laboratory to be analyzed for the presence of lead. The laboratory determined that 7 fixtures had results above the EPA Action Level for Lead. See table below. The IFA recommends that you take these fixtures offline immediately. **We spoke with facility staff about the preliminary results for this school and recommend that you speak with them about remediation plans.** The sample type refers to either an "initial" sample or a "flush" sample. The initial sample represents the fixture itself and the flush sample potentially represents the internal plumbing. The laboratory results of all samples taken are attached.

Results			
Fixture Code	**Fixture Type & Location**	**Sample Type**	**Lead (ppb)***
135	**Bubbler (Room 107)**	**Initial**	**16.2**
136a	**Faucet (Room 108)**	**Initial**	**118**
139a	**Faucet (Room 109)**	**Initial**	**16.8**
141a	**Faucet (Room 110)**	**Initial**	**30.3**
142b	**Faucet (Room 110)**	**Initial**	**26.9**
158	**Water Cooler (South Hall)**	**Flush: 30 seconds**	**24.9**
174	**Faucet (Library)**	**Initial**	**52.0**

***EPA Lead Action Level is 15 parts per billion (PPB)**

Recommended Actions

1. Take fixtures with elevated lead concentrations offline (either turn water off at that location or place a bag over the fixture);
2. Communicate the remediation actions you will take to IFA;
3. Carry out your selected remediation actions within 60 days;
4. Communicate with staff, students, and parents about sample results and remediation plans;
    - **Please note:** IFA will post all results from this program and the remediation actions reported by you to us to our website, no sooner than two weeks from the date of this letter.
5. Communicate results to the local Public Water System and Health Department.

Resources

1. To help you address sources of lead at your school, we provide remediation recommendations for each fixture at or above 15 ppb (see lab results). We have also discussed remediation options in more detail with facility staff.
2. To help you communicate with your school community, we have included a template letter to parents and your school community.

Future Considerations

Due to the variable nature of lead concentrations in drinking water, we recommend schools put together a long-term monitoring plan using the tools this program has provided, such as the sample plan map specific to your school. In the short-term, follow-up samples could be used to confirm problems have been addressed if the school opts to replace problem fixtures. In the long term, we recommend that schools routinely monitor for the presence of lead in drinking water.

To help you manage future sampling at your school, the IFA has prepared a Lead Sampling Program Guidance for Schools and an online training quiz for school officials. The purpose of the guidance and quiz is to help school officials understand the procedures for collecting drinking water samples to test for the presence of lead, but also includes suggestions for remediation actions. The guidance and training quiz is available on our website: http://www.in.gov/ifa/2958.htm.

We truly appreciate your willingness to protect the health and safety of children in Indiana. Please contact me if you have any questions about these results, remediation recommendations, or future sampling efforts.

Sincerely,

Erica Walker

Erica Walker

Attachments:

Laboratory results of all samples taken
Template Press Release and Letter to School Community
Sample Plan Map

Cc:

Dr. Ginger Bolinger, Superintendent (electronic)
Mr. Mark Brust, Buildings & Grounds (electronic)
Mr. Quint Yarber, Maintenance Director (electronic)
Mr. Mark Singer, Mechanical Maintenance Supervisor (electronic)
Mr. Greg Lindy, Director of Support Services (electronic)

School Name: Newton Yost Elementary School
School Code: 6941

Sample Collection Date: 04/20/2018
Analysis Date: 05/09/2018

Lab Name: Pace
Detection Limit: 1.0 ppb

Sample Code	Sample Type	Fixture Type	Fixture Location	Lead Results (ppb)	Recommended Remediation Actions
101a	Initial	Faucet	Kitchen	1.3	
101a	Flush: 30 seconds	Faucet	Kitchen	1.0	
101a	Flush: 180 seconds	Faucet	Kitchen	1.0	
102b	Flush: 30 seconds	Faucet	Kitchen	1.0	
103	Initial	Sprayer	Kitchen	1.0	
104	Initial	Kitchen Kettle, Cold	Kitchen	1.0	
105b	Initial	Water Cooler	Cafeteria Hallway	1.0	
105b	Flush: 30 seconds	Water Cooler	Cafeteria Hallway	1.0	
106a	Initial	Bubbler	Rm 117	1.0	
107b	Initial	Faucet	Rm. 117	1.0	
108a	Initial	Bubbler	Rm 118	1.0	
109b	Initial	Faucet	Rm 118	1.0	
110a	Initial	Bubbler	Rm 119	1.0	
111b	Initial	Faucet	Rm 119	1.3	
112a	Initial	Bubbler	Rm 120	1.0	
113b	Initial	Faucet	Rm 120	1.0	
113b	Flush: 30 seconds	Faucet	Rm 120	5.9	
114a	Initial	Bubbler	Rm 122	1.0	
115b	Initial	Faucet	Rm 122	5.5	
116a	Initial	Faucet	Rm 121	1.0	
117b	Initial	Bubbler	Rm 121	1.0	
117b	Flush: 30 seconds	Bubbler	Rm 121	1.0	
118	Initial	Bubbler	Main Gym	1.0	
118	Flush: 30 seconds	Bubbler	Main Gym	1.0	
119	Initial	Faucet	Music Room	2.7	
120a	Initial	Water Cooler	Specials Hall	1.0	
120a	Flush: 30 seconds	Water Cooler	Specials Hall	1.0	
121b	Initial	Water Cooler	Specials Hall	1.0	
121b	Flush: 30 seconds	Water Cooler	Specials Hall	1.0	
122a	Initial	Faucet	Rm 101	1.4	
123b	Initial	Bubbler	Rm 101	1.0	
123b	Flush: 30 seconds	Bubbler	Rm 101	1.0	
124	Initial	Water Cooler	Specials Hall	1.0	
124	Flush: 30 seconds	Water Cooler	Specials Hall	1.0	
125a	Initial	Faucet	Rm 100	4.6	
126b	Initial	Bubbler	Rm 100	1.0	
127a	Initial	Faucet	Rm. 102	3.0	
128b	Initial	Bubbler	Rm 102	1.0	
129a	Initial	Bubbler	Rm 103	1.0	
130b	Initial	Faucet	Rm 103	1.0	
131a	Initial	Bubbler	Rm 104	1.0	
132b	Initial	Faucet	Rm 104	1.0	
133a	Initial	Faucet	Rm 105	1.8	
134b	Initial	Bubbler	Rm 105	1.0	
134b	Flush: 30 seconds	Bubbler	Rm 105	1.0	
135	**Initial**	**Bubbler**	**Rm 107**	**16.2**	**Remove or Replace & Retest**
136a	**Initial**	**Faucet**	**Rm 108**	**118**	**Remove, Replace & Retest, or Sign**
137b	Initial	Faucet	Rm 108	9.3	
138c	Initial	Bubbler	Rm 108	5.6	
138c	Flush: 30 seconds	Bubbler	Rm 108	4.2	
139a	**Initial**	**Faucet**	**Rm 109**	**16.8**	**Remove, Replace & Retest, or Sign**
140b	Initial	Bubbler	Rm 109	4.9	
141a	**Initial**	**Faucet**	**Rm 110**	**30.3**	**Remove, Replace & Retest, or Sign**
142b	**Initial**	**Faucet**	**Rm 110**	**26.9**	**Remove, Replace & Retest, or Sign**
143c	Initial	Bubbler	Rm 110	6.6	
143c	Flush: 30 seconds	Bubbler	Rm 110	4.4	
144a	Initial	Bubbler	Rm 111	1.0	
145b	Initial	Faucet	Rm 111	1.0	
146a	Initial	Bubbler	Rm 112	1.0	
147b	Initial	Faucet	Rm 112	1.0	
148	Initial	Water Cooler	South Hall	1.0	
148	Flush: 30 seconds	Water Cooler	South Hall	1.4	
149a	Initial	Bubbler	Rm 113	5.9	
150b	Initial	Faucet	Rm 113	6.8	
150b	Flush: 30 seconds	Faucet	Rm 113	12.0	
151a	Initial	Bubbler	Rm 114	3.0	
152b	Initial	Faucet	Rm 114	12.8	
153	Initial	Faucet	Custodial Office	1.0	
153	Flush: 30 seconds	Faucet	Custodial Office	1.0	
154a	Initial	Bubbler	Rm 115	4.1	
155b	Initial	Faucet	Rm 115	9.6	
155b	Flush: 30 seconds	Faucet	Rm 115	7.6	
156a	Initial	Bubbler	Rm 116	3.4	
157b	Initial	Faucet	Rm 116	13.8	
158	**Initial**	**Water Cooler**	**South Hall**	**4.7**	**Remove or Replace & Retest**
158	Flush: 30 seconds	Water Cooler	South Hall	24.9	
159	Initial	Water Cooler	Main Hall	1.0	
159	Flush: 30 seconds	Water Cooler	Main Hall	1.2	
160	Initial	Faucet	Rm 204	4.2	
161	Initial	Faucet	Rm 205	4.1	
162	Initial	Faucet	Rm 203	12.1	
163	Initial	Faucet	Rm 203	6.0	
163	Flush: 30 seconds	Faucet	Rm 203	2.4	

School Name: Newton Yost Elementary School | **Sample Collection Date**: 04/20/2018 | **Lab Name:** Pace

School Code: 6941 | **Analysis Date:** 05/09/2018 | **Detection Limit:** 1.0 ppb

Sample Code	Sample Type	Fixture Type	Fixture Location	Lead Results (ppb)	Recommended Remediation Actions
164	Initial	Faucet	Rm 202	8.2	
165	Initial	Faucet	Main office	3.6	
166	Initial	Faucet	Nurse office washroom	1.0	
167	Initial	Faucet	Nurse Office	1.0	
167	Flush: 30 seconds	Faucet	Nurse Office	1.0	
168	Initial	Faucet	Main office	1.0	
168	Flush: 30 seconds	Faucet	Main office	1.0	
169	Initial	Faucet	rm 201	1.0	
170	Initial	Ice Machine	Rm 201	1.0	
171	Initial	Water Cooler	Main hall	1.5	
171	Flush: 30 seconds	Water Cooler	Main hall	5.6	
172a	Initial	Faucet	Speech room	14.9	
173b	Initial	Bubbler	Speech room	6.2	
173b	Flush: 30 seconds	Bubbler	Speech room	1.6	
174	**Initial**	**Faucet**	**Library**	**52.0**	**Remove, Replace & Retest, or Sign**
174	Flush: 30 seconds	Faucet	Library	2.7	
175a	Initial	Other	Cafeteria Hallway	1.0	

Column	Term	Description
Sample Type	Initial	First 250 mL draw of water from the fixture. Testing fixture itself
Sample Type	Flush: 30 seconds	Water ran for 30 seconds after initial draw, then was sampled. Testing fixture and/or upstream plumbing
Sample Type	Flush: 180 seconds	Water ran for 3 minutes after the initial draw and flush. Testing upstream plumbing
Sample Code	a, b, c, etc.	Used when fixtures are next to each other, assigned from left to right when facing the fixture
Fixture Type	Water Cooler	A water fountain with an internal cooling unit and storage tank
Fixture Type	Bubbler	A drinking fountain without a cooling unit or storage tank
Results	IS	Improper sample location. Not currently used for cooking/drinking water
Results	NS	Unable to sample location during visit
Remediation Action Recommended	Sign	Put up a "For Handwashing/Dishwashing Only" Sign above fixture and inform staff not to use for cooking/drinking
Remediation Action Recommended	Replace	Update with Lead-Free certified fixture, replace the incoming water line from shutoff valve to fixture and re-test water
Remediation Action Recommended	Remove	Take the fixture offline permanently or remove it
Remediation Action Recommended	Flush	Routinely flush fixture and educate staff on flushing protocol
Remediation Action Recommended	Plumber	Potentially a larger issue. Speak with a plumber about remediation