



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

100 North Senate Avenue, Room 1275  
Indianapolis, Indiana 46204  
www.ifa.in.gov

**Erica Walker**  
Program Manager  
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May 24, 2018

Mr. Shawn Longacre, Principal  
Westchester Intermediate School  
1050 S. 5<sup>th</sup> Street  
Chesterton, IN 46304

Re: Westchester Intermediate School Lead Sampling Program Results

Dear Mr. Longacre:

On March 23, 2018, water samples were collected from 35 drinking water fixtures at Westchester Intermediate School and sent to a state-certified laboratory to be analyzed for the presence of lead. The laboratory determined that 8 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)*
102a	Faucet (Kitchen)	Flush: 30 seconds	17.7
106a	Faucet (Kitchen)	Initial	17.3
109	Faucet (Media Center Office)	Initial	19.7
126	Faucet (PTO rm 109)	Initial	32.5
127	Faucet (PTO rm 109)	Initial	26.0
128	Faucet (PTO rm 109)	Initial	37.7
129	Faucet (PTO rm 109)	Initial	27.2
132	Water Cooler (North Hallway)	Initial	15.6
		Flush: 30 seconds	16.6

\*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;
  - o **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

### 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: Westchester Intermediate School  
 School Code: 6927

Sample Collection Date: 03/26/2018  
 Analysis Date: 04/13/2018

Lab Name: Element  
 Detection Limit: 0.5 ppb

Sample Code	Sample Type	Fixture Type	Fixture Location	Lead Results (ppb)	Recommended Remediation Actions
101	Initial	Faucet	Kitchen	11.3	
102a	Initial	Faucet	Kitchen	1.2	
102a	Flush: 30 seconds	Faucet	Kitchen	17.7	Remove, Replace & Retest, or Sign
102a	Flush: 180 seconds	Faucet	Kitchen	0.5	
103b	Flush: 30 seconds	Faucet	Kitchen	0.6	
106a	Initial	Faucet	Kitchen	17.3	Remove, Replace & Retest, or Sign
106a	Flush: 30 seconds	Faucet	Kitchen	0.5	
107b	Flush: 30 seconds	Faucet	Kitchen	0.5	
108b	Initial	Water Cooler	South Hallway	0.5	
108b	Flush: 30 seconds	Water Cooler	South Hallway	0.5	
109	Initial	Faucet	Media Center Office	19.7	Remove, Replace & Retest, or Sign
110a	Initial	Water Cooler	South Hallway	0.5	
110a	Flush: 30 seconds	Water Cooler	South Hallway	0.5	
111b	Initial	Water Cooler	South Hallway	0.5	
111b	Flush: 30 seconds	Water Cooler	South Hallway	0.5	
112a	Initial	Water Cooler	East Hallway	0.5	
112a	Flush: 30 seconds	Water Cooler	East Hallway	0.5	
113b	Initial	Water Cooler	East Hallway	0.5	
113b	Flush: 30 seconds	Water Cooler	East Hallway	0.5	
114a	Initial	Water Cooler	North Hallway	0.5	
114a	Flush: 30 seconds	Water Cooler	North Hallway	0.6	
115b	Initial	Water Cooler	North Hallway	0.5	
115b	Flush: 30 seconds	Water Cooler	North Hallway	0.6	
116	Initial	Faucet	Main Office Kitchen	0.5	
117	Initial	Faucet	Nurse's Office	1.0	
118	Initial	Faucet	Nurse's Office Bathroom	0.5	
119	Initial	Bubbler	North Hallway	4.5	
119	Flush: 30 seconds	Bubbler	North Hallway	0.8	
120	Initial	Water Cooler	North Hallway	0.5	
120	Flush: 30 seconds	Water Cooler	North Hallway	0.5	
121a	Initial	Tabletop Water Filter	teachers lounge	0.5	
122b	Initial	Faucet	teachers lounge	1.5	
122b	Flush: 30 seconds	Faucet	teachers lounge	0.7	
123	Initial	Faucet	PTO Room	5.4	
124	Initial	Faucet	PTO rm (rm 109)	6.6	
125	Initial	Ice Machine	PTO rm (rm 109)	0.5	
126	Initial	Faucet	PTO rm (rm 109)	32.5	Remove, Replace & Retest, or Sign
127	Initial	Faucet	PTO rm (rm 109)	26.0	Remove, Replace & Retest, or Sign
128	Initial	Faucet	PTO rm (rm 109)	37.7	Remove, Replace & Retest, or Sign
129	Initial	Faucet	PTO rm (rm 109)	27.2	Remove, Replace & Retest, or Sign
130	Initial	Water Cooler	Gym Hall	0.5	
130	Flush: 30 seconds	Water Cooler	Gym Hall	0.8	
131	Initial	Faucet	Food Service Office Kitchen	3.1	
131	Flush: 30 seconds	Faucet	Food Service Office Kitchen	1.4	
132	Initial	Water Cooler	North Hallway	15.6	Remove or Replace & Retest
132	Flush: 30 seconds	Water Cooler	North Hallway	16.6	
133a	Initial	Water Cooler	North Hallway	3.6	
133a	Flush: 30 seconds	Water Cooler	North Hallway	3.2	
134b	Initial	Water Cooler	North Hallway	3.4	
134b	Flush: 30 seconds	Water Cooler	North Hallway	3.5	
135b	Initial	Water Cooler	South Hallway	0.5	
135b	Flush: 30 seconds	Water Cooler	South Hallway	0.5	
136c	Initial	Water Cooler	South Hallway	0.5	
136c	Flush: 30 seconds	Water Cooler	South Hallway	0.7	
137	Initial	Water Cooler	Gym Hallway	0.5	
137	Flush: 30 seconds	Water Cooler	Gym Hallway	0.8	
138a	Initial	Bottle Filling Station	South Hallway	0.5	
139a	Initial	Bottle Filling Station	South Hallway	0.5	
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			



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June 28, 2018

Mr. Shawn Longacre, Principal  
Westchester Intermediate School  
1050 S. 5<sup>th</sup> Street  
Chesterton, IN 46304

Re: Westchester Intermediate School – **Part II** Lead Sampling Program Results

Dear Mr. Longacre:

On May 9, 2018, water samples were collected from 2 drinking water fixtures at Westchester Intermediate School and sent to a state-certified laboratory to be analyzed for the presence of lead. The laboratory determined that no fixtures had results above the EPA Action Level for Lead. The laboratory results of all samples taken are attached. IFA will post all results from this program on our website no sooner than **two weeks** from the date of this letter.

**Recommended Actions**

1. Communicate with staff, students, and parents about sample results
2. Communicate results to the local Public Water System and Health Department

**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. 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 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,

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Mr. Quint Yarber, Maintenance Director (electronic)  
Mr. Mark Singer, Mechanical Maintenance Supervisor (electronic)  
Mr. Greg Lindy, Director of Support Services (electronic)

School Name: Westchester Intermediate School - Part II

Sample Collection Date: 05/09/2018

Lab Name: Element

School Code: 6927

Analysis Date: 06/05/2018

Detection Limit: 0.5 ppb

Sample Code	Sample Type	Fixture Type	Fixture Location	Lead Results (ppb)	Recommended Remediation Actions
104a	Initial	Kitchen Kettle, Cold	Kitchen	1.2	<i>Flushing before each use is recommended</i>
104a	Flush: 30 seconds	Kitchen Kettle, Cold	Kitchen	0.5	
105b	Flush: 30 seconds	Kitchen Kettle, Hot	Kitchen	1.0	
140a	Initial	Sprayer	Kitchen	1.6	
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			