



*Excellence Delivered **As Promised***

April 4, 2017

Dr. Brian Slamecka  
Butler Area School District  
110 Campus Lane  
Butler, PA 16001

Subject: *Butler Area School District  
School District Facilities Lead and Copper Testing*

Dear Dr. Slamecka:

Pursuant to your request and as a follow-up to Gannett Fleming's March 28, 2017 report on the Lead and Copper testing conducted at the school district's facilities, we are submitting additional information pertaining to the school district's facilities that showed detectable levels for Lead during the recent water sampling program. The Action Level for Lead is 0.015 mg/L. Only one (1) of the samples taken exceeded the Action Level for Lead. The following facilities had water fixtures with detectable levels for Lead:

1. Intermediate School – 21 water fixtures with 9 of these water fixtures testing just at the detection limit of 0.001 mg/l
2. Senior High School – 12 water fixtures
3. McQuiston Elementary – 1 water fixture testing just at the detection limit of 0.001 mg/l
4. Northwest Elementary – 2 water fixtures with 1 of these water fixtures testing just at the detection limit of 0.001 mg/l
5. Administration Building – 3 water fixtures

The following facilities did not have water fixtures with detectable levels for Lead:

1. Center Avenue Elementary
2. Broad Street Elementary
3. Emily Britton Elementary
4. Middle School
5. Connoquenessing Elementary
6. Center Township Elementary

As stated in our March 28, 2017 report, all of the above facilities receive their water from Pennsylvania American Water Company which is the public water supplier for the Butler area. The American Water Works Association (AWWA) encourages the implementation of a strategy that includes identifying and removing all lead plumbing in contact with water over time. However, based on the positive Lead results obtained at water fixtures in five (5) of the eleven (11) school facilities that are connected to a public water supply, the water fixture itself is suspected to be the cause of the positive Lead test result. Attached to this correspondence is information published by AWWA regarding water coolers with lead components.

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It is our understanding that the Butler Area School District has temporarily taken the water fixtures that tested above the detectable level for Lead out of service. It is Gannett Fleming's recommendation that any screen or aerator (if applicable) on these water fixtures be removed, cleaned and reinstalled, then adequately flushed and allowed to sit stagnant overnight so that a second Lead test can be performed in order to confirm the prior test results. The school district should then consider replacing those water fixtures that still tested positive for Lead.

The water fixture in the Conference Room of the Intermediate School, exceeded the PaDEP's 0.015 mg/L Action Level for Lead. The Lead Contamination Control Act guidance document recommends that where the initial sample exceeds the Action Level for Lead, a second sample should be taken and tested after a 30-second flush. The purpose of taking the second sample after a 30-second flush is so that the sample is taken from the pipe feeding the fixture in order to determine the suspected source of Lead being the plumbing or the water fixture.

Should you have any questions, or desire any additional information, please do not hesitate to contact us.

Sincerely,

GANNETT FLEMING, INC.

A handwritten signature in blue ink, appearing to read 'D. Goncz', is written over the company name.

DANIEL J. GONCZ, P.E.  
Vice President

Enclosure

**Butler Area School District**  
**Facilities with Positive Lead Tesing Results**  
**April 4, 2017**

Facility	Location	Sample Date	Parameter	Result (mg/L)	PaDEP AL Designation (mg/l)
Intermediate School	Security Desk	2/20/2017	Lead	0.002	0.015
Intermediate School	Pool Right	2/20/2017	Lead	0.001	0.015
Intermediate School	AV Left	2/20/2017	Lead	0.001	0.015
Intermediate School	AV Right	2/20/2017	Lead	0.001	0.015
Intermediate School	Café A Front	2/20/2017	Lead	0.001	0.015
Intermediate School	Café A Back	2/20/2017	Lead	0.001	0.015
Intermediate School	Café A Sink	2/20/2017	Lead	0.002	0.015
Intermediate School	115	2/20/2017	Lead	0.001	0.015
Intermediate School	103	2/20/2017	Lead	0.002	0.015
Intermediate School	Stucco Store Lft	2/20/2017	Lead	0.002	0.015
Intermediate School	Stucco Store Rgt	2/20/2017	Lead	0.001	0.015
Intermediate School	Lounge W Bath	2/20/2017	Lead	0.004	0.015
Intermediate School	Lounge M Bath	2/20/2017	Lead	0.003	0.015
Intermediate School	Psy K	2/20/2017	Lead	0.005	0.015
Intermediate School	Conference	2/20/2017	Lead	0.018	0.015
Intermediate School	Café D Front	2/20/2017	Lead	0.002	0.015
Intermediate School	203	2/20/2017	Lead	0.001	0.015
Intermediate School	Café C Front	2/20/2017	Lead	0.006	0.015
Intermediate School	Speech	2/20/2017	Lead	0.001	0.015
Intermediate School	252	2/20/2017	Lead	0.003	0.015
Intermediate School	222	2/20/2017	Lead	0.002	0.015
Senior High School	Maint Garage	2/20/2017	Lead	0.005	0.015
Senior High School	Auditorium 1	2/20/2017	Lead	0.007	0.015
Senior High School	Auditorium 3	2/20/2017	Lead	0.007	0.015
Senior High School	Auditorium 4	2/20/2017	Lead	0.002	0.015
Senior High School	Food Service Fount	2/20/2017	Lead	0.002	0.015
Senior High School	Café Fount 1	2/20/2017	Lead	0.004	0.015
Senior High School	Café Fount 2	2/20/2017	Lead	0.002	0.015
Senior High School	Cage Fount 3	2/20/2017	Lead	0.002	0.015
Senior High School	SHS Off Sink	2/20/2017	Lead	0.003	0.015
Senior High School	400-2 Fount	2/20/2017	Lead	0.003	0.015
Senior High School	Annex Trn Rm Sink	2/20/2017	Lead	0.004	0.015
Senior High School	Swim Pool Fount	2/20/2017	Lead	0.002	0.015
McQuiston Elementary	Fountain Door 8	2/22/2017	Lead	0.001	0.015
Northwest Elementary	Nurse's Office Sink	2/23/2017	Lead	0.003	0.015
Northwest Elementary	Faculty Work Rm Sink	2/23/2017	Lead	0.001	0.015
Administration Bldg	Admin Payroll Fount	3/2/2017	Lead	0.006	0.015
Administration Bldg	Admin Lower Fount	3/2/2017	Lead	0.011	0.015
Administration Bldg	Admin Vault Fount	3/2/2017	Lead	0.004	0.015

Result is above the Action Level for Lead  
 Result is just at the detection level for Lead