

POST-FIXTURE REPLACEMENT SAMPLING RESULTS REPORT

Genesee STEM Academy



January 10, 2017

INTRODUCTION

During the months of February and March 2016, the Department of Licensing and Regulatory Affairs (DLARA) completed replacement of drinking water fixtures at Genesee STEM. These fixture replacements were required because testing results indicated that the older fixtures at most schools were imparting lead to the drinking water. After the fixtures were replaced, a more thorough flushing of the plumbing lines was completed to remove any remaining materials from the building's water supply system.

On Saturday, April 23, 2016, the DLARA and the DEQ conducted a post-fixture sampling assessment of the plumbing system at the facility.

SAMPLING METHODS

Fixture Sampling

There are fourteen drinking water fixtures that were identified at the school. After a minimum six-hour stagnation period, four samples were collected at each of the fixtures identified. Two initial samples were collected immediately after turning on the tap. The water was then flushed for 30 seconds and a third sample was collected. Finally, the water was flushed for another two minutes, and the fourth sample was collected. These samples were used to determine the impact of any lead sources in and around each specific fixture and its connecting plumbing.

Deep Plumbing Sampling

A different sampling method is used to determine the impact of any lead sources located deep in the supply plumbing of the building. During this method, ten bottles are collected in a row (consecutively). These bottles are one liter in size, which is larger than those used for the fixture sampling method.

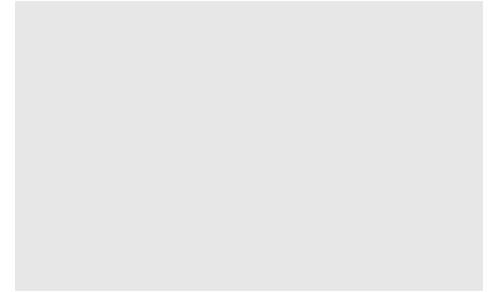
SAMPLING NOTES

April 23, 2016

- Fifty-six samples from fourteen fixtures were collected and sent to the lab for analysis.
- Forty samples from four specific fixtures were collected to test the deeper part of the plumbing system and sent to the lab for analysis.

SAMPLING RESULTS

Post-Fixture Replacement



** Where the result is non-detected for lead it means that the amount of lead in the water was less than 1 ppb.*

** Where the result is non-detected for copper it means that the amount of copper in the water was less than 50 ppb.*



Genesee STEM Academy

April 23, 2016

Lead	Result (ppb)	Sample Description	Site Code	Copper	Result (ppb)
Lead	1	01WC001 ACROSS FROM ROOM 23 IN GYM	P1	Copper	270
Lead	8	01WC001 ACROSS FROM ROOM 23 IN GYM	P2	Copper	800
Lead	ND	01WC001 ACROSS FROM ROOM 23 IN GYM	F01	Copper	280
Lead	ND	01WC001 ACROSS FROM ROOM 23 IN GYM	F02	Copper	180
Lead	1	01WC002 ACROSS FROM ROOM 23 IN GYM	P1	Copper	330
Lead	ND	01WC002 ACROSS FROM ROOM 23 IN GYM	P2	Copper	210
Lead	ND	01WC002 ACROSS FROM ROOM 23 IN GYM	F01	Copper	190
Lead	ND	01WC002 ACROSS FROM ROOM 23 IN GYM	F02	Copper	160
Lead	ND	01KC003 STAFF BREAK ROOM	P1	Copper	300
Lead	ND	01KC003 STAFF BREAK ROOM	P2	Copper	250
Lead	ND	01KC003 STAFF BREAK ROOM	F01	Copper	190
Lead	ND	01KC003 STAFF BREAK ROOM	F02	Copper	130
Lead	ND	01WC004 LEFT OF MEN'S RESTROOM	P1	Copper	100
Lead	4	01WC004 LEFT OF MEN'S RESTROOM	P2	Copper	500
Lead	ND	01WC004 LEFT OF MEN'S RESTROOM	F01	Copper	260
Lead	ND	01WC004 LEFT OF MEN'S RESTROOM	F02	Copper	210
Lead	ND	01WC005 LEFT OF MEN'S RESTROOM	P1	Copper	240
Lead	ND	01WC005 LEFT OF MEN'S RESTROOM	P2	Copper	230
Lead	ND	01WC005 LEFT OF MEN'S RESTROOM	F01	Copper	210
Lead	ND	01WC005 LEFT OF MEN'S RESTROOM	F02	Copper	240
Lead	ND	01KC006 MAIN OFFICE	P1	Copper	420
Lead	ND	01KC006 MAIN OFFICE	P2	Copper	390
Lead	ND	01KC006 MAIN OFFICE	F01	Copper	270
Lead	ND	01KC006 MAIN OFFICE	F02	Copper	320
Lead	ND	01CF007 ROOM 9	P1	Copper	260
Lead	ND	01CF007 ROOM 9	P2	Copper	350
Lead	ND	01CF007 ROOM 9	F01	Copper	290
Lead	ND	01CF007 ROOM 9	F02	Copper	200
Lead	ND	01CF008 ROOM 9	P1	Copper	200
Lead	ND	01CF008 ROOM 9	P2	Copper	350
Lead	ND	01CF008 ROOM 9	F01	Copper	240
Lead	ND	01CF008 ROOM 9	F02	Copper	190
Lead	ND	01CF009 ROOM 8	P1	Copper	220
Lead	ND	01CF009 ROOM 8	P2	Copper	480
Lead	ND	01CF009 ROOM 8	F01	Copper	290
Lead	ND	01CF009 ROOM 8	F02	Copper	190
Lead	ND	01CF010 ROOM 8	P1	Copper	200
Lead	ND	01CF010 ROOM 8	P2	Copper	480
Lead	ND	01CF010 ROOM 8	F01	Copper	260
Lead	ND	01CF010 ROOM 8	F02	Copper	200
Lead	5	01WC011 NEXT TO ROOM 3	P1	Copper	1,190
Lead	103	01WC011 NEXT TO ROOM 3	P2	Copper	5,880

Non-detected (ND) means; for lead the amount in water is less than

Genesee STEM Academy

April 23, 2016

Lead	Result (ppb)	Sample Description	Site Code	Copper	Result (ppb)
Lead	ND	01WC011 NEXT TO ROOM 3	F01	Copper	360
Lead	ND	01WC011 NEXT TO ROOM 3	F02	Copper	280
Lead	6	01WC012 NEXT TO ROOM 3	P1	Copper	1,410
Lead	2	01WC012 NEXT TO ROOM 3	P2	Copper	410
Lead	ND	01WC012 NEXT TO ROOM 3	F01	Copper	270
Lead	ND	01WC012 NEXT TO ROOM 3	F02	Copper	210
Lead	ND	01CF013 ROOM 7	P1	Copper	330
Lead	ND	01CF013 ROOM 7	P2	Copper	410
Lead	ND	01CF013 ROOM 7	F01	Copper	380
Lead	ND	01CF013 ROOM 7	F02	Copper	260
Lead	ND	01CF014 ROOM 7	P1	Copper	320
Lead	ND	01CF014 ROOM 7	P2	Copper	410
Lead	ND	01CF014 ROOM 7	F01	Copper	300
Lead	ND	01CF014 ROOM 7	F02	Copper	260
Lead	ND	01WC001 ACROSS FROM ROOM 23 IN GYM	CA1	Copper	340
Lead	ND	01WC001 ACROSS FROM ROOM 23 IN GYM	CA2	Copper	200
Lead	ND	01WC001 ACROSS FROM ROOM 23 IN GYM	CA3	Copper	170
Lead	ND	01WC001 ACROSS FROM ROOM 23 IN GYM	CA4	Copper	160
Lead	ND	01WC001 ACROSS FROM ROOM 23 IN GYM	CA5	Copper	160
Lead	ND	01WC001 ACROSS FROM ROOM 23 IN GYM	CA6	Copper	150
Lead	ND	01WC001 ACROSS FROM ROOM 23 IN GYM	CA7	Copper	150
Lead	ND	01WC001 ACROSS FROM ROOM 23 IN GYM	CA8	Copper	150
Lead	ND	01WC001 ACROSS FROM ROOM 23 IN GYM	CA9	Copper	150
Lead	ND	01WC001 ACROSS FROM ROOM 23 IN GYM	CA10	Copper	130
Lead	ND	01KC003 STAFF BREAK ROOM	CB1	Copper	150
Lead	ND	01KC003 STAFF BREAK ROOM	CB2	Copper	110
Lead	ND	01KC003 STAFF BREAK ROOM	CB3	Copper	110
Lead	ND	01KC003 STAFF BREAK ROOM	CB4	Copper	110
Lead	ND	01KC003 STAFF BREAK ROOM	CB5	Copper	110
Lead	ND	01KC003 STAFF BREAK ROOM	CB6	Copper	100
Lead	ND	01KC003 STAFF BREAK ROOM	CB7	Copper	100
Lead	ND	01KC003 STAFF BREAK ROOM	CB8	Copper	100
Lead	ND	01KC003 STAFF BREAK ROOM	CB9	Copper	100
Lead	ND	01KC003 STAFF BREAK ROOM	CB10	Copper	100
Lead	9	01KC006 MAIN OFFICE	CC1	Copper	320
Lead	ND	01KC006 MAIN OFFICE	CC2	Copper	260
Lead	ND	01KC006 MAIN OFFICE	CC3	Copper	250
Lead	ND	01KC006 MAIN OFFICE	CC4	Copper	220
Lead	ND	01KC006 MAIN OFFICE	CC5	Copper	210
Lead	ND	01KC006 MAIN OFFICE	CC6	Copper	210
Lead	ND	01KC006 MAIN OFFICE	CC7	Copper	200
Lead	ND	01KC006 MAIN OFFICE	CC8	Copper	200

Non-detected (ND) means; for lead the amount in water is less than

1 ppb and for copper the amount in water is less than 50 ppb.

Genesee STEM Academy

April 23, 2016

Lead	Result (ppb)	Sample Description	Site Code	Copper	Result (ppb)
Lead	ND	01KC006 MAIN OFFICE	CC9	Copper	200
Lead	ND	01KC006 MAIN OFFICE	CC10	Copper	200
Lead	ND	01CF014 ROOM 7	CD1	Copper	290
Lead	ND	01CF014 ROOM 7	CD2	Copper	290
Lead	ND	01CF014 ROOM 7	CD3	Copper	290
Lead	ND	01CF014 ROOM 7	CD4	Copper	270
Lead	ND	01CF014 ROOM 7	CD5	Copper	260
Lead	ND	01CF014 ROOM 7	CD6	Copper	240
Lead	ND	01CF014 ROOM 7	CD7	Copper	230
Lead	ND	01CF014 ROOM 7	CD8	Copper	230
Lead	ND	01CF014 ROOM 7	CD9	Copper	220
Lead	ND	01CF014 ROOM 7	CD10	Copper	220

Non-detected (ND) means; for lead the amount in water is less than 1 pbb and for copper the amount in water is less than 50 pbb.