

Field Logbook

School Name: Garfield East Elementary

Individual School Project Officer: Alexandra Hale

Date Completed: 5//17

Sample Locations that require follow up sampling:

- |               |                 |                |
|---------------|-----------------|----------------|
| 1. GEE-TL-6   | 6. GEE-CRS-30   | 11. GEE-CRS-50 |
| 2. GEE-DWB-7  | 7. GEE-LS-34    | 12. GEE-CRS-54 |
| 3. GEE-CRS-18 | 8. GEE-L-DWB-35 | 13. GEE-CRS-67 |
| 4. GEE-CRS-28 | 9. GEE-CRS-38   | 14. GEE-JS-A   |
| 5. GEE-DWB-29 | 10. GEE-CRS-40  |                |

SAMPLE ID/ LOCATION	Walk-Through Comments	Sampling Day Comments	Follow up Sampling Day Comments
GEE-BRS-1		Discolored water.	
GEE -FP-KC-Right-2			
GEE - FP-KC-Left-3			
GEE -DWB-Right-4			
GEE-DWB-Left-5			
GEE-TL-6			
GEE-DWB-7		Discolored water, white.	
GEE-CRS-8			
GEE DWB-9			
GEE-CRS-10			
GEE-DWB-11			
GEE-CRS-12			
GEE-DWB-13			
GEE-CRS-14			
GEE-DWB-15			
GEE-CRS-16			
GEE-DWB -17			
GEE-CRS-18			
GEE-DWB-19			
GEE-CRS-20			

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GEE-DWB-21			
GEE-CRS-22			
GEE-DWB-23			
GEE-CRS-24			

SAMPLE ID/ LOCATION	Walk-Through Comments	Sampling Day Comments	Follow up Sampling Day Comments
GEE-DWB-25			
GEE-CRS-26			
GEE-DWB-27			
GEE-CRS-28		Discolored water.	
GEE-DWB-29		Discolored water.	
GEE-CRS-30			
GEE-DWB-31			
GEE-WC-Left-32			
GEE-WC-Right-33			
GEE-LS-34			
GEE-L-DWB-35	Not operational.	Operational. Sample taken.	
GEE-CRS-36			
GEE-DWB-37			
GEE-CRS-38			
GEE-DWB-39			
GEE-CRS-40			
GEE-DWB-41			
GEE-CRS-42			
GEE-DWB-43			
GEE-CRS-44			
GEE-DWB-45			
GEE-CRS-46			
GEE-DWB-47	Not operational.	Operational. Sample taken.	
GEE-CRS-48			
GEE-DWB-49			
GEE-CRS-50			
GEE-DWB-51			

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GEE-CRS-52			
GEE-DWB-53			
GEE-CRS-54			
GEE-DWB-55	Low pressure.	Normal pressure.	
<b>SAMPLE ID/ LOCATION</b>	<b>Walk-Through Comments</b>	<b>Sampling Day Comments</b>	<b>Follow up Sampling Day Comments</b>
GEE-CRS-56			
GEE-DWB-57			
GEE-NS-58			
GEE-CRS-59			
GEE-DWB-60			
GEE-CRS-61			
GEE-DWB-62			
GEE-CRS-63			
GEE-DWB-64	Low pressure.	Normal pressure.	
GEE-CRS-65			
GEE-DWB-66			
GEE-CRS-67	Turn off hot water valve.	Hot water valve shut off.	
GEE-DWB-68			
GEE-CRS-69			
GEE-DWB-70			
GEE-CRS-71			
GEE-DWB-72			
GEE-CRS-73			
GEE-DWB-74			
GEE-JS-A	Not identified.	Identified. Sample Taken.	

## Attachment B – Plumbing Profile

**Note:** Complete for each school. For additional information see the USEPA publication, "The 3Ts for Reducing Lead in Drinking Water in Schools"

Name of School: Garfield East Elementary Grade Levels: Pre-K-5<sup>th</sup> Grade

Address: 150 Evergreen Drive

Individual school project officer Signature: 

Date: 10/24/16

Questions	Answers	
<b>Background Information</b>		
1. What year was the original building constructed? Were any buildings or additions added to the original facility?	Built 1968 No additions	
2. If the building was constructed or repaired after 1986, was lead-free plumbing and solder utilized? What type of solder was used? Document all locations where lead solder was used.	Lead solder was used at all plumbing locations	
3. Where are the most recent plumbing repairs and replacements?	Location: A, B, C Hall: Bathroom Main hallway bathrooms	Description: New plumbing was installed for boys/girls bathrooms in each hall including men's/women's bath in main hallway next to kitchen
4. With what materials is the service connection (the pipe that carries water to the school from the public water system's main in the street) made? Where is the Service Line located? (This is the POE location.)	Material: PVC  Location: Boiler room near exit door	
5. Is there point of entry (POE) or point of use (POU) treatment in use?	Y / N No Type:	Location:

Questions	Answers
6. Are there tanks in your plumbing system (pressure tanks, gravity storage tanks)?	Y / N    Yes Bradford White 80g BL 199,999    Model D80T993N Serial BJ6629813                      Sept 2005
7. Does the school have a filter maintenance and operation program? If so, who is responsible for this program? What is the process for adding filters?	No Filter maintenance program in place
8. Have accessible screens or aerators on outlets that provide drinking water been cleaned? Does the school have a screen or aerator maintenance program?	Y / N No
9. Have there been any complaints about bad (metallic) taste? Note location(s).	Y / N No  Location:
10. Review records and consult with the public water supplier to determine whether any water samples have been taken in the building for any contaminants. If so, identify: <ul style="list-style-type: none"> <li>• Name of contaminant(s)</li> <li>• Concentrations found</li> <li>• pH level</li> </ul> Is testing done regularly at the building?	No samples have been taken
11. Other plumbing background questions include: <ul style="list-style-type: none"> <li>• Are blueprints of the building available?</li> <li>• Are there known plumbing “dead-ends”, low use areas, existing leaks or other “problem areas”?</li> </ul> Are renovations planned for any of the plumbing system?	Blueprints are available There is one known dead-end No renovations planned



Questions	Answers	
<p>7. Have the brands and models of the water coolers in the school been compared to the list of recalled water coolers in the Toolkit?</p> <p>Recalled Drinking Water Fountains</p> <p>Make and Model</p>	<p>Y / N</p> <p>NONE</p> <p>Type</p>	
<p>8. Have signs of corrosion, such as frequent leaks, rust-colored water, or stained fixtures, dishes, or laundry been detected?</p> <p>Note the locations of water outlets.</p>	<p>Complete in "Signs of Corrosion" column in Attachment C- Drinking Water Outlet Inventory. No</p>	
<p>9. Are there any outlets that are not operational and therefore out of service? Permanently? Temporarily?</p> <p>Permanently</p> <p>Temporarily</p>	<p>Y / N Yes</p> <p>Complete "Operational Column" in Attachment C- Drinking Water Outlet Inventory.</p> <p>Type/ Location</p> <p>Kitchen Sink</p> <p>Assistant principal office</p>	<p>Description</p>

## Attachment C – Drinking Water Outlet Inventory

(Complete for each school)

Name of School: Garfield East Elementary Address: 150 Evergreen Drive

Grade Levels: Pre K-5<sup>th</sup> Year School Constructed: 1968 Renovated/Additions: N/A

Individual school project officer Name/Signature: \_\_\_\_\_ Date Completed: \_\_\_\_\_

# <sup>1</sup>	Type	Location	Code	Operational <sup>2</sup> (Y/N)	Signs of Corrosion <sup>3</sup> (Y/N)	Filter <sup>4</sup> (Y/N)	Brass Fittings, Faucets or valves? (Y/N)	Aerator/ Screen (Y/N)	Motion Activated (Y/N)	Chiller (Y/N)	Water Cooler		Comments
											Make	Model	
1	Boiler Room Sink	Boiler Room	GEE-BRS-1	Y	Y	N	Y	Y	N	N			
2	Sink	Kitchen Right	GEE-KC-FP-Right-2	Y	Y	N	Y	Y	N	N			
3	Sink	Kitchen Left	GEE-KC-FP-Left-3	Y	Y	N	Y	Y	N	N			
4	Drinking Water Bubbler	Multi-Purpose Room Right	GEE-DWB-Right-4	Y	Y	N	Y	N	N	N			
5	Drinking Water Bubbler	Multi-Purpose Room Left	GEE-DWB-Left-5	Y	Y	N	Y	N	N	N			
6	Teacher's Lounge Sink	Teacher's Lounge	GEE-TL-6	Y	Y	N	Y	Y	N	N			
7	Drinking Water Bubbler	Teacher's Lounge	GEE-TL-DWB-7	Y	Y	N	Y	N	N	N			
8	Class Room Sink	Room 14	GEE-CRS-8	Y	Y	N	Y	Y	N	N			
9	Drinking Water Bubbler	Room 14	GEE-DWB-9	Y	Y	N	Y	N	N	N			
10	Class Room Sink	Room 12	GEE-CRS-10	Y	Y	N	Y	Y	N	N			
11	Drinking Water Bubbler	Room 12	GEE-DWB-11	Y	Y	N	Y	N	N	N			

<sup>1</sup> Number outlets starting at the closest outlet to the Point of Entry (POE).

<sup>2</sup> Document if permanently or temporarily out of service on the Attachment B- Plumbing Profile.

<sup>3</sup> Signs of corrosion detected, such as but not limited to frequent leaks, rust-colored water, or stained fixtures, dishes, or laundry.

<sup>4</sup> Document on Attachment D- Filter Inventory.



	Type	Location	Code	Operational <sup>5</sup> (Y/N)	Signs of Corrosion <sup>6</sup> (Y/N)	Filter <sup>7</sup> (Y/N)	Brass Fittings, Faucets or valves? (Y/N)	Aerator/ Screen (Y/N)	Motion Activated (Y/N)	Chiller (Y/N)	Water Cooler		Comments
											Make	Model	
12	Class Room Sink	Room 11	GEE-CRS-12	Y	Y	N	Y	Y	N	N			
13	Drinking Water Bubbler	Room 11	GEE-DWB-13	Y	Y	N	Y	N	N	N			
14	Class Room Sink	Room 9	GEE-CRS-14	Y	Y	N	Y	Y	N	N			
15	Drinking Water Bubbler	Room 9	GEE-DWB-15	Y	Y	N	Y	N	N	N			
16	Class Room Sink	Room 10	GEE-CRS-16	Y	Y	N	Y	Y	N	N			
17	Drinking Water Bubbler	Room 10	GEE-DWB-17	Y	Y	N	Y	N	N	N			
18	Class Room Sink	Room 8	GEE-CRS-18	Y	Y	N	Y	Y	N	N			
19	Drinking Water Bubbler	Room 8	GEE-DWB-19	Y	Y	N	Y	N	N	N			
20	Class Room Sink	Room 5	GEE-CRS-20	Y	Y	Y	Y	Y	N	N			
21	Drinking Water Bubbler	Room 5	GEE-DWB-21	Y	Y	N	Y	N	N	N			
22	Class Room Sink	Room 6	GEE-CRS-22	Y	Y	N	Y	Y	N	N			
23	Drinking Water Bubbler	Room 6	GEE-DWB-23	Y	Y	N	Y	N	N	N			
24	Class Room Sink	Room 4	GEE-CRS-24	Y	Y	N	Y	Y	N	N			
25	Drinking Water Bubbler	Room 4	GEE-DWB-25	Y	Y	N	Y	N	N	N			
26	Class Room Sink	Room 3	GEE-CRS-26	Y	Y	N	Y	Y	N	N			

<sup>5</sup> Document if permanently or temporarily out of service on the Attachment B- Plumbing Profile.

<sup>6</sup> Signs of corrosion detected, such as but not limited to frequent leaks, rust-colored water, or stained fixtures, dishes, or laundry.

<sup>7</sup> Document on Attachment D- Filter Inventory.

# <sup>8</sup>	Type	Location	Code	Operational <sup>9</sup> (Y/N)	Signs of Corrosion <sup>10</sup> (Y/N)	Filter <sup>11</sup> (Y/N)	Brass Fittings, Faucets or valves? (Y/N)	Aerator/ Screen (Y/N)	Motion Activated (Y/N)	Chiller (Y/N)	Water Cooler		Comments
											Make	Model	
27	Drinking Water Bubblers	Room 3	GEE-DWB-27	Y	Y	N	Y	N	N	N			
28	Class Room Sink	Room 1	GEE-CRS-Left-28	Y	Y	Y	Y	Y	N	N			
29	Drinking Water Bubblers	Room 1	GEE-DWB-Right-29	Y	Y	N	Y	N	N	N			
30	Class Room Sink	Room 2	GEE-CRS-30	Y	Y	N	Y	Y	N	N			
31	Drinking Water Bubblers	Room 2	GEE-DWB-31	Y	Y	N	Y	N	N	N			
32	Water Cooler	Between G&B Bathroom	GEE-WC-Left-32	Y	Y	N	Y	N	N	Y	Elkay	EZ585	
33	Water Cooler	Between G&B Bathroom	GEE-WC-Right-33	Y	Y	N	Y	N	N	Y	Elkay	EZ585	
34	Library Sink	Library	GEE-LS-34	Y	Y	N	Y	Y	N	N			
35	Drinking Water Bubblers	Library	GEE-L-DWB-35	N	Y	N	Y	N	N	N			Not Working
36	Class Room Sink	Room 24	GEE-CRS-36	Y	Y	N	Y	Y	N	N			
37	Drinking Water Bubblers	Room 24	GEE-DWB-37	Y	Y	N	Y	N	N	N			
38	Class Room Sink	Room 26	GEE-CRS-38	Y	Y	N	Y	Y	N	N			
39	Drinking Water Bubblers	Room 26	GEE-DWB-39	Y	Y	N	Y	N	N	N			
40	Class Room Sink	Room 23	GEE-CRS-40	Y	Y	N	Y	Y	N	N			

<sup>8</sup> Number outlets starting at the closest outlet to the Point of Entry (POE).

<sup>9</sup> Document if permanently or temporarily out of service on the Attachment B- Plumbing Profile.

<sup>10</sup> Signs of corrosion detected, such as but not limited to frequent leaks, rust-colored water, or stained fixtures, dishes, or laundry.

<sup>11</sup> Document on Attachment D- Filter Inventory.

# <sup>12</sup>	Type	Location	Code	Operational <sup>13</sup> (Y/N)	Signs of Corrosion <sup>14</sup> (Y/N)	Filter <sup>15</sup> (Y/N)	Brass Fittings, Faucets or valves? (Y/N)	Aerator/ Screen (Y/N)	Motion Activated (Y/N)	Chiller (Y/N)	Water Cooler		Comments
											Make	Model	
41	Drinking Water Bubbler	Room 23	GEE-DWB-41	Y	Y	N	Y	N	N	N			
42	Class Room Sink	Room 25	GEE-CRS-42	Y	Y	N	Y	Y	N	N			
43	Drinking Water Bubbler	Room 25	GEE-DWB-43	Y	Y	N	Y	N	N	N			
44	Class Room Sink	Room 28	GEE-CRS-44	Y	Y	N	Y	Y	N	N			
45	Drinking Water Bubbler	Room 28	GEE-DWB-45	Y	Y	N	Y	N	N	N			
46	Class Room Sink	Room 30	GEE-CRS-46	Y	Y	N	Y	Y	N	N			
47	Drinking Water Bubbler	Room 30	GEE-DWB-47	N	Y	N	Y	N	N	N			Broken Handle
48	Class Room Sink	Room 27	GEE-CRS-48	Y	Y	N	Y	Y	N	N			
49	Drinking Water Bubbler	Room 27	GEE-DWB-49	Y	Y	N	Y	N	N	N			
50	Class Room Sink	Room 29	GEE-CRS- 50	Y	Y	N	Y	Y	N	N			
51	Drinking Water Bubbler	Room 29	GEE-DWB-51	Y	Y	N	Y	N	N	N			
52	Class Room Sink	Room 32	GEE-CRS-52	Y	Y	N	Y	Y	N	N			
53	Drinking Water Bubbler	Room 32	GEE-DWB-53	Y	Y	N	Y	N	N	N			
54	Class Room Sink	Room 34	GEE-CRS-54	Y	Y	N	Y	Y	N	N			
55	Drinking Water Bubbler	Room 34	GEE-DWB-55	Y	Y	N	Y	N	N	N			Low Pressure
56	Class Room Sink	Room 31	GEE-CRS-56	Y	Y	N	Y	Y	N	N			
57	Drinking Water Bubbler	Room 31	GEE-DWB-57	Y	Y	N	Y	N	N	N			

<sup>12</sup> Number outlets starting at the closest outlet to the Point of Entry (POE).

<sup>13</sup> Document if permanently or temporarily out of service on the Attachment B- Plumbing Profile.

<sup>14</sup> Signs of corrosion detected, such as but not limited to frequent leaks, rust-colored water, or stained fixtures, dishes, or laundry.

<sup>15</sup> Document on Attachment D- Filter Inventory.

# <sup>16</sup>	Type	Location	Code	Operational <sup>17</sup> (Y/N)	Signs of Corrosion <sup>18</sup> (Y/N)	Filter <sup>19</sup> (Y/N)	Brass Fittings, Faucets or valves? (Y/N)	Aerator/ Screen (Y/N)	Motion Activated (Y/N)	Chiller (Y/N)	Water Cooler		Comments
											Make	Model	
58	Nurse Sink	Nurse Office	GEE-NS-58	Y	Y	N	Y	Y	N	N			
59	Class Room Sink	Room 16	GEE-CRS-59	Y	Y	N	Y	Y	N	N			
60	Drinking Water Bubbler	Room 16	GEE-DWB-60	Y	Y	N	Y	N	N	N			
61	Class Room Sink	Room 18	GEE-CRS-61	Y	Y	N	Y	Y	N	N			
62	Drinking Water Bubbler	Room 18	GEE-DWB-62	Y	Y	N	Y	N	N	N			
63	Class Room Sink	Computer Lab	GEE-CRS-63	Y	Y	N	Y	Y	N	N			
64	Drinking Water Bubbler	Computer Lab	GEE-DWB-64	Y	Y	N	Y	N	N	N			Low Pressure
65	Class Room Sink	Room 17	GEE-CRS-65	Y	Y	N	Y	Y	N	N			
66	Drinking Water Bubbler	Room 17	GEE-DWB-66	Y	Y	N	Y	N	N	N			
67	Class Room Sink	Room 20	GEE-CRS-67	Y	Y	N	Y	Y	N	N			Turn Hot Water Off
68	Drinking Water Bubbler	Room 20	GEE-DWB-68	Y	Y	N	Y	N	N	N			
69	Class Room Sink	Room 19	GEE-CRS-69	Y	Y	N	Y	Y	N	N			
70	Drinking Water Bubbler	Room 19	GEE-DWB-70	Y	Y	N	Y	N	N	N			
71	Class Room Sink	Room 21	GEE-CRS-71	Y	Y	N	Y	Y	N	N			
72	Drinking Water Bubbler	Room 21	GEE-DWB-72	Y	Y	N	Y	N	N	N			

<sup>16</sup> Number outlets starting at the closest outlet to the Point of Entry (POE).

<sup>17</sup> Document if permanently or temporarily out of service on the Attachment B- Plumbing Profile.

<sup>18</sup> Signs of corrosion detected, such as but not limited to frequent leaks, rust-colored water, or stained fixtures, dishes, or laundry.

<sup>19</sup> Document on Attachment D- Filter Inventory.

Attachment F - Pre – Sampling Water Use Certification  
(Complete for each school)

**TO BE COMPLETED BY THE WILLINGBORO PUBLIC SCHOOLS DISTRICT REPRESENTATIVE:**

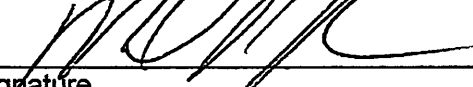
School Name: Garfield East Elementary

Sample collection address: 150 Evergreen Drive

Water was last used: Time: 6:00pm Date: 4-21-17

Sample commencement: Time: 12:50 Date: 4/22/17

I have read the **Willingboro Public Schools** Lead Drinking Water Testing Sampling Plan and Quality Assurance Project Plan and I am certifying that samples were collected in accordance with these plans.

  
Signature

4-22-17  
Date

H.iv: Sampling Event Checklist  
*Complete on the day of sampling*

**Before Beginning Sampling:**

- Review and Sign QAPP.
- Review School packet prior to sampling- including floor plan with sample locations, outlet inventory including all outlets to be sampled, filter inventory including which water coolers & drinking water fountains have filters, and if applicable pre-sampling event flushing schedule [includes which outlets were flushed, the duration of flushing, and when they were flushed].
- Perform a walk-through of the facility prior to sampling. Identify all outlets to be sampled, and label each outlet with its unique sample location code as it is found in the water outlet inventory.
- Verify that the water has been stagnant for at least 8 hours, but no longer than 48 hours.

**Sampling:**

- Field Blank.
- Start sampling at the outlet closest to the point of entry.
- For each sampling location record the time that sampling begins.
- Wearing gloves, collect samples into a 250 ml pre-cleaned bottle.
- Record the time all samples are collected.
- AFTER all other samples have been collected, for follow-up flush sampling, collect fifteen minute flushed samples from water coolers.
- Indicate on the Chain of Custody (COC) if the outlet is leaking, the water is discolored, the outlet is turned on, the outlet is not working, or the outlet has a filter.
- Label all Follow-Up Flush Samples with "FLUSH" after their unique sample location code. (e.g. WHS- and WHS - ---FLUSH).

**After Sampling:**

- Record the time that sampling ends.
- Count sampling bottles to make sure all water outlets on the inventory were sampled.

Project Officer:

Alexandra Hale  
Print Name

[Signature]  
Signature

4/22/17  
Date

Sampler:

Michael Turi  
Print Name

[Signature]  
Signature

4-22-17  
Date

H.vii: FOLLOW-UP SAMPLING INVENTORY

School Name Garfield East Elementary

Individual School Project Officer: Alexandra Hale

Date Completed:      /      / 17

SAMPLE ID/ LOCATION	REASON FOR FOLLOW UP SAMPLING	DATE RESAMPLED
GEE-BRS-1	Initial result over 15 µg/L	
GEE-TL-6	Initial result over 15 µg/L	
GEE-DWB-7	Initial result over 15 µg/L	
GEE-CRS-18	Initial result over 15 µg/L	
GEE-CRS-28	Initial result over 15 µg/L	
GEE-DWB-29	Initial result over 15 µg/L	
GEE-CRS-30	Initial result over 15 µg/L	
GEE-LS-34	Initial result over 15 µg/L	
GEE-L-DWB-35	Initial result over 15 µg/L	
GEE-CRS-38	Initial result over 15 µg/L	
GEE-CRS-40	Initial result over 15 µg/L	
GEE-CRS-50	Initial result over 15 µg/L	

GEE-CRS-54	Initial result over 15 µg/L	
GEE-CRS-67	Initial result over 15 µg/L	
GEE-JS-A	Initial result over 15 µg/L	