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LEAD & COPPER IN DRINKING WATER TESTING REPORT

Conducted for:
Greater Bergen Community Action
392 Main Street
Hackensack, New Jersey 07601

Conducted at:
Bergenfield Head Start
100 Portland Avenue
Bergenfield, New Jersey 07621

Submitted by:
McCabe Environmental Services, L.L.C.
464 Valley Brook Avenue
Lyndhurst, New Jersey 07071

REPORT DATE: June 23, 2023

MES PROJECT NO.: 23-04710

Prepared by:

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Signed for the Company by:

John H. Chiaviello
Vice President

Certified Women, Small & Disadvantaged Business Enterprise (WBE/SBE/DBE)

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1.0 INTRODUCTION

McCabe Environmental Services, L.L.C. (McCabe) was retained by Greater Bergen Community Action (Client) to conduct lead and copper in drinking water testing at Bergenfield Head Start located at 100 Portland Avenue, Bergenfield, New Jersey 07621.

The project information is as follows:

Client Name:	Greater Bergen Community Action
Contact Person:	Mr. Ravon Anderson
Project Name:	Bergenfield Head Start Lead and Copper in Drinking Water
Project Location:	100 Portland Avenue Bergenfield, New Jersey 07621
Date(s) of Service:	June 14, 2023
McCabe Personnel:	Brandon Soto

2.0 SCOPE OF WORK

Drinking water testing was performed at Bergenfield Head Start located at 100 Portland Avenue, Bergenfield, New Jersey 07621 on June 14, 2023. The purpose of the testing was to determine if the building's plumbing was having an adverse impact on water quality, specifically with regard to lead and copper concentrations. Samples were collected from various potential drinking water outlets located throughout the building.

3.0 PROCEDURES

After determining which outlets would be sampled, McCabe personnel collected a "first draw" sample at each location. A "first draw" is the initial water that is first to come out of the tap after a period of inactivity. All samples were collected into 250 mL sterile bottles, labeled with a sample identification, and analyzed in accordance with EPA approved methods to determine the level of lead in drinking water. Samples were analyzed by an accredited laboratory.

The U.S. Environmental Protection Agency (EPA) has established National Primary Drinking Water Regulations (NPDWR) that set mandatory water quality standards for drinking water contaminants. These are enforceable standards called "maximum contaminant levels" or "MCL", which are established to protect the public against consumption of drinking water contaminants that present a risk to human health. An MCL is the maximum allowable amount of a contaminant in drinking water which is delivered to the consumer.

The EPA has established the Lead and Copper Rule that sets standards for state and public water systems. This rule has set an MCL for lead at 15 parts per billion (ppb) and 1300 ppb for copper collected in a one liter sample. However, the EPA also established the Lead in Drinking Water at Schools and Child Care Facilities in which the EPA recommends an MCL of 20 ppb for a 250 milliliter first draw sample. In order to be more stringent, for our report purposes we have compared all results to both the 15 ppb and the 20 ppb standards.

4.0 TABLE OF SAMPLE RESULTS

The following table presents all sample results in order of sample identification:

Sample ID	Sample Location	Lead Result	Lead Exceeds (MCL 15 ppb)	Lead Exceeds (MCL 20 ppb)	Copper Result (ppb)	Copper Exceeds (MCL 1300 ppb)
01	Kitchen Sink (First Draw)	< 0.5	Pass	Pass	37	Pass
02	Kitchen Sink (30 Second Flush)	< 0.5	Pass	Pass	34	Pass
03	Room 8 Bathroom Sink	< 0.5	Pass	Pass	51	Pass
04	Room 8 Porcelain Sink	< 0.5	Pass	Pass	15	Pass
05	Room 9 Porcelain Sink	< 0.5	Pass	Pass	12	Pass
06	Room 9 & 10 Bathroom (Left Sink)	1.6	Pass	Pass	255	Pass
07	Room 10 Porcelain Sink	2.9	Pass	Pass	20	Pass
08	Bathroom between Room 5&6 (Left Sink)	0.6	Pass	Pass	140	Pass
09	Room 6 Porcelain Sink	< 0.5	Pass	Pass	31	Pass
10	Water Fountain (Chiller) Outside Kitchen	0.5	Pass	Pass	415	Pass
11	Room 7 Bathroom Sink	0.7	Pass	Pass	228	Pass
12	Room 5 Porcelain Sink	1.3	Pass	Pass	42	Pass
13	Bathroom between Room 5&6 (Left Sink)	< 0.5	Pass	Pass	29	Pass
14	Handicap Bathroom Sink	< 0.5	Pass	Pass	17	Pass
15	Bathroom between 1&2 (Left Sink)	< 0.5	Pass	Pass	43	Pass

Sample ID	Sample Location	Lead Result	Lead Exceeds (MCL 15 ppb)	Lead Exceeds (MCL 20 ppb)	Copper Result (ppb)	Copper Exceeds (MCL 1300 ppb)
16	2nd Floor Bathroom Sink	< 0.5	Pass	Pass	58	Pass

5.0 DISCUSSION AND CONCLUSION

A total of sixteen (16) were collected from Bergenfield Head Start. All samples were found to be less than the EPA Lead in Drinking Water at Schools and Child Care Facilities standard of 20 ppb, as well as the EPA Lead and Copper Rule standard of 15 ppb. All samples were also found to be less than the 1300 ppb standard for copper.

In addition, McCabe Environmental recommends annual drinking water sampling to ensure that the building's plumbing is not having an adverse impact on water quality.