

March 21, 2022

Chancellor Academy  
157 West Parkway  
Pompton Plains, NJ 07444

Dear Chancellor Academy Community,

Our school system is committed to protecting student, teacher, and staff health. To protect our community and be in compliance with the Department of Education regulations, Westchester Environmental LLC tested our schools' drinking water for lead.

In accordance with the Department of Education regulations, Chancellor Academy will implement immediate remedial measures for any drinking water outlet with a result greater than the action level of 15 µg/l (parts per billion [ppb]). This includes turning off the outlet unless it is determined the location must remain on for non-drinking purposes. In these cases, a "DO NOT DRINK – SAFE FOR HANDWASHING ONLY" sign will be posted.

Testing Results

Following instructions given in technical guidance developed by the New Jersey Department of Environmental Protection, we completed a plumbing profile for each of the buildings within Chancellor Academy. Through this effort, we identified and tested all drinking water and food preparation outlets. Of the twelve (12) samples taken, all but one (1) tested below the lead action level established by the US Environmental Protection Agency for lead in drinking water (15 µg/l [ppb]).

The table below identifies the drinking water outlets that tested above the 15 µg/l for lead, the actual lead level, and what temporary remedial action Chancellor Academy has taken to reduce the levels of lead at these locations.

<b>Sample Location</b>	<b>First Draw Result in µg/l (ppb)</b>	<b>Remedial Action</b>
CAS-1FL-DW-Office Coffee	788	This is not or has never been available to students. Disconnected outlet, bottled water used for brewing coffee while waiting for a filter; Filter replaced. New sample date has been scheduled.
CAS-1FL-DW-Office Coffee	Flush Draw 211	This is not or has never been available to students. Disconnected outlet, bottled water used for brewing coffee while waiting for a filter; Filter replaced. New sample date has been scheduled.

### Health Effects of Lead

High levels of lead in drinking water can cause health problems. Lead is most dangerous for pregnant women, infants, and children under 6 years of age. It can cause damage to the brain and kidneys, and can interfere with the production of red blood cells that carry oxygen to all parts of your body. Exposure to high levels of lead during pregnancy contributes to low birth weight and developmental delays in infants. In young children, lead exposure can lower IQ levels, affect hearing, reduce attention span, and hurt school performance. At *very* high levels, lead can even cause brain damage. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults.

### How Lead Enters our Water

Lead is unusual among drinking water contaminants in that it seldom occurs naturally in water supplies like groundwater, rivers and lakes. Lead enters drinking water primarily as a result of the corrosion, or wearing away, of materials containing lead in the water distribution system and in building plumbing. These materials include lead-based solder used to join copper pipe, brass, and chrome-plated brass faucets. In 1986, Congress banned the use of lead solder containing greater than 0.2% lead, and restricted the lead content of faucets, pipes and other plumbing materials. However, even the lead in plumbing materials meeting these new requirements is subject to corrosion. When water stands in lead pipes or plumbing systems containing lead for several hours or more, the lead may dissolve into the drinking water. This means the first water drawn from the tap in the morning *may* contain fairly high levels of lead.

### Lead in Drinking Water

Lead in drinking water, although rarely the sole cause of lead poisoning can significantly increase a person's total lead exposure, particularly the exposure of children under the age of 6. EPA estimates that drinking water can make up 20% or more of a person's total exposure to lead.

### For More Information

A copy of the test results is available in our central office for inspection by the public, including students, teachers, other school personnel, and parents, and can be viewed between the hours of 8:30 a.m. and 4:00 p.m. and are also available on our website at [www.chancelloracademy.net](http://www.chancelloracademy.net). For more information about water quality in our schools, contact Eduardo Nunez at the Chancellor Academy, (973) 835-4989.

For more information on reducing lead exposure around your home and the health effects of lead, visit EPA's Web site at [www.epa.gov/lead](http://www.epa.gov/lead), call the National Lead Information Center at 800-424-LEAD, or contact your health care provider.

If you are concerned about lead exposure at this facility or in your home, you may want to ask your health care providers about testing children to determine levels of lead in their blood.

Sincerely,

Kevin McNaught  
Executive Director, Chancellor Academy



**CHANCELLOR ACADEMY SCHOOL  
LEAD IN DRINKING WATER  
FIRST & FLUSH DRAW SAMPLING REPORT**

*PERFORMED FOR:*

**CHANCELLOR ACADEMY SCHOOL  
157 W. PARKWAY  
POMPTON PLAINS, NJ 07444**

*PERFORMED BY:*

**WESTCHESTER ENVIRONMENTAL LLC  
1248 WRIGHTS LANE  
WEST CHESTER, PA 19380**

MARCH 2022



March 15, 2022

Mr. Edward Nunez  
Chancellor Academy School  
157 W. Parkway  
Pompton Plains, NJ 07444

**Re: FIRST & FLUSH DRAW LEAD IN DRINKING WATER REPORT**

Dear Mr. Nunez;

Please find enclosed the report for the Lead in Drinking Water First & Flush Draw Sampling conducted for Chancellor Academy School.

If you have any questions, please don't hesitate to contact me at 610-431-7545 or email me at [nabraham@WestChesterEnvironmental.com](mailto:nabraham@WestChesterEnvironmental.com).

Sincerely,

Westchester Environmental, LLC

A handwritten signature in black ink, appearing to read 'Noel Abraham', is written over a horizontal line.

Noel Abraham  
Environmental Specialist



# TABLE OF CONTENTS

## CHANCELLOR ACADEMY SCHOOL

1.0	INTRODUCTION.....	1
2.0	SUMMARY OF FINDINGS.....	2
3.0	SAMPLING AND ANALYSES.....	3
4.0	DISCUSSION & RECOMMENDATIONS.....	4
5.0	DISCLAIMER.....	5

Appendix I – Water Sampling Chains-of-Custody & Laboratory Reports



## 1.0 INTRODUCTION

Westchester Environmental, LLC was contracted by Mr. Edward Nunez to conduct Drinking Water Sampling at the Chancellor Academy School.

The purpose of the sampling was to collect first draw and flush draw drinking water samples at predetermined locations in the facility and have them analyzed for lead levels.

The water sampling was performed on February 12, 2022 by Chris Piccininni of Westchester Environmental, LLC.

All samples were analyzed by Suburban Testing Labs located at 1037 MacArthur Rd, Reading, PA 19605, a New Jersey certified Lead in Drinking Water testing facility.

*-END OF SECTION-*



## 2.0 SUMMARY OF FINDINGS

First Draw samples were collected and submitted for lead analysis. Tables 1 below shows the concentration of lead (parts per billion or microgram per liter) at each location sampled.

Table 1: Chancellor Academy School

Location Code	Result (ppb)	Action Level (ppb)	Lead Hazard (Yes/No)
1 CAS-1FL-Blank	<1.00	15.5	No
2 CAS-1FL-POE-Nurse Office Bathroom	1.44	15.5	No
3 CAS-1FL-WC-Nurse Office	<1.00	15.5	No
4 CAS-1FL-FP-Kitchen Sink-1	1.54	15.5	No
5 CAS-1FL-FP-Kitchen Sink-2	2.14	15.5	No
6 CAS-1FL-FP-Kitchen Sink-3	4.87	15.5	No
7 CAS-1FL-DW-Kitchen	1.01	15.5	No
8 CAS-1FL-WC-Stage	<1.00	15.5	No
9 CAS-1FL-WC-Annex	<1.00	15.5	No
10 CAS-1FL-WC-Science Room	<1.00	15.5	No
11 CAS-1FL-DW-CAT Room	<1.00	15.5	No
12 CAS-1FL-DW-Office Coffee	788	15.5	Yes

In instances where the first draw exceeded the action level, the corresponding flush draw sample was activated for analysis. Tables 2 compares the results of the flush sample to its corresponding first draw sample and also compares the FLUSH samples against the lead action limit. Those samples that exceeded the lead action limit are yellow highlighted in these tables.

Table 2: Chancellor Academy School

Location Code	First Draw Result (ppb)	Flush Draw Result (ppb)	Action Level (ppb)
1 CAS-1FL-DW-Office Coffee	788	211	15.5

*-END OF SECTION-*



### **3.0 SAMPLING AND ANALYSES**

The following guidance documents were followed for all sampling:

1. N.J.A.C. 6A:26
2. The EPA's Revised Technical Guidance - "3Ts for Reduced Lead in Drinking Water in Schools"
3. Guidance Document from NJDEP Division of Water Supply and Geoscience – "Lead in Drinking Water: Guidance for Schools and Child Care Facilities Served by Public Water".

Eleven (11) draw and flush draw samples were collected. All first draw samples were analyzed. Flush samples were held by the lab pending first draw results and then activated for locations with first draw exceedances.

All samples were labeled with a unique identification number and transported to the Suburban Laboratory for analysis for lead in drinking water using EPA Method 200.8.

*-END OF SECTION-*





#### 4.0 DISCUSSION & RECOMMENDATIONS

According to the US EPA, lead enters drinking water primarily through plumbing materials.

For further information on guidance protocols and Action Levels that were followed please refer to:

1. N.J.A.C. 6A:26
2. The EPA's Revised Technical Guidance - "3Ts for Reduced Lead in Drinking Water in Schools"
3. Guidance Document from NJDEP Division of Water Supply and Geoscience – "Lead in Drinking Water: Guidance for Schools and Child Care Facilities Served by Public Water".

Based on laboratory analysis of the samples analyzed, one (1) first draw samples exceeded the action limit. The corresponding flush draw sample also exceeded the action limit.

##### **Immediate / Short Term Action Required:**

1. Immediately discontinue using water at locations where the first draw sample exceeded the NJDEP 15.5 ppb Action Level. If this location is going to be remediated for future use it will need to be re-tested prior to being put in service to make sure the remedial work was successful.
2. Refer to EPA's "**for Reducing Lead in Drinking Water in Schools and Child Care Facilities**" for other short term and long term suggested remediation measures and notification procedures.

The type of samples collected for this assessment are referred to as grab samples. Grab samples are individual discrete samples collected at a specific time and location and are reflective of the conditions at that time of collection.

It is important to note that the Lead Hazard Assessment was a snap shot of the conditions existing at the time of the assessment and conditions may vary with time.

*-END OF SECTION-*



## 5.0 DISCLAIMER

The Lead Hazard Assessment has limitations with regards to identification of actual health and environmental issues. It is limited to only those items listed in the report and all items reflect conditions at the time of the assessment only.

Westchester Environmental LLC warrants only that the contents of this report constitute an informed discussion of the assessment at the subject property and is prepared exclusively for, and is confidential to, the above noted client. Westchester Environmental LLC assumes no liability with regards to the use of this information or decisions, which are made regarding the subject property. The user(s) of this information must use their own best judgment to determine the appropriate course of action.

Westchester Environmental LLC

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Noel Abraham  
Environmental Specialist

*-END OF REPORT-*