

Mr. Albert Tijerina
East Aurora School District 131
Director of Building and Grounds
411 Hill Avenue
Aurora, Illinois 60505

**RE: Lead Sampling in Potable Water
Beaupre Elementary School
954 East Benton Street, Aurora, IL 60505**

Dear Mr. Tijerina:

The following letter report summarizes the laboratory results for the drinking water samples collected from the potable water sources at Beaupre Elementary School in Aurora, Illinois. The sampling was conducted on November 4, 2017 by Mr. Matthew Rodriguez of Weaver Consultants Group (WCG). Mr. Rodriguez conducted the sampling under the direction of Mr. David J. Kedrowski, CIH.

SCOPE OF WORK

The scope of work for this project involved collecting water samples from pre-identified water locations. The potable locations were provided to WCG by East Aurora School District 131. The collected potable water samples were then analyzed for lead by an accredited laboratory.

METHODOLOGY

WCG followed protocols set by U.S. Environmental Protection Agency (EPA) and Illinois Department of Public Health (IDPH) for testing schools for lead in drinking water. Representatives from East Aurora School District 131 confirmed the school was under normal use and ensured the water settled within the piping systems/fixtures for between eight (8) to eighteen (18) hours.

Thirty (30) water samples from representative potable water locations were collected in 250 milliliter bottles. The water samples were collected as a "first draw" from each source to represent a lead concentration from water allowed to sit within the pipes or drinking reservoirs for at least eight (8) hours and not more than eighteen (18) hours. A second sample was collected from each location after a 30 second flush to represent water from within the building's localized water piping system. Potable water sources generally included drinking fountains, Nurses' Offices, Teachers' Lounges, kitchen faucets and preschool, kindergarten, and first floor classroom sinks, etc.

At the request of the District, non-potable samples were collected at the water main to the building to establish a baseline. As this is a non-potable source, the results likely do not represent water within the building system but rather sediment at the water main valve or within the sampling connections used to draw the sample. Water samples collected at each potable fixture should instead be relied upon as representative of the drinking water within the building.

Each sample was labeled with a unique sample number identifying the school. The samples were transported to Suburban Labs Incorporated (Suburban) in Geneva, Illinois. Samples were analyzed for lead content using EPA Method 200.8 "Determination of Trace Elements in Water using Inductively Coupled Plasma (ICP)/Mass Spectrometry (MS). Suburban is accredited to analyze lead in potable drinking water under the National Environmental Laboratory Accreditation Program (NELAP).

RESULTS

The results of the water sample analysis revealed that two (2) samples of the thirty (30) collected had lead concentrations above the IDPH Action Level of 2 ppb ($\mu\text{g/L}$). All sample results that exceed 5 $\mu\text{g/L}$ should be promptly reported to parents or guardians of the enrolled students as required by the Illinois Department of Public Health (IDPH).

CONCLUSIONS AND RECOMMENDATIONS

- 1) Within 7 business days of receipt of test results, schools must email all results to IDPH at DPH.LeadH20@illinois.gov. **WCG will email these results on behalf of East Aurora School District 131.**
- 2) All sample results that exceed 5 $\mu\text{g/L}$ should be promptly reported to parents or guardians of all enrolled students in writing or electronically and include:
 - The location and source exceeding 5 $\mu\text{g/L}$.
 - The USEPA website for information about lead in drinking water, <https://www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-drinking-water>.
- 3) Implement corrective action for fixtures greater than 2 $\mu\text{g/L}$.
- 4) Implement best practices to minimize lead concentrations in drinking water.

BEST PRACTICES

Best practices for managing elevated lead concentrations in drinking water may include implementing a water quality management plan (WQMP), establishing a routine water flushing program for potable sources daily or during periods of low occupancy or low water usage, routine maintenance to clean screens and aerators, and confirmation sampling. In addition, occupants should avoid consuming water from non-potable sources i.e. classroom or office sinks, washroom sinks, maintenance closets, etc. and hot water taps.

A summary of the sample locations and results may be found in Appendix A and the laboratory report with chain of custody sheets may be found in Appendix B. We appreciate the opportunity to assist you on this important project.

Sincerely,

Weaver Consultants Group North Central, LLC



David J. Kedrowski, CIH
Senior Project Director

APPENDIX A

Lead in Potable Water Sample Results

**Beaupre Elementary School
954 East Benton Street
Aurora, IL 60505**

ISBE ID	Sample Date	Sample Time (12 HR Clock)	Sample ID Number	Sample Location Description	Fixture Type	Date of Last Use	Time of Last Use (12 HR Clock)	Sample Type	Concentration (ug/L)
310451310222006	11/04/2017	09:02 AM	BEAUP-01A	Basement Floor-Fire Room	DF - Drinking Fountain	11/3/2017	6:50 PM	First Draw	ND
310451310222006	11/04/2017	09:02 AM	BEAUP-01B	Basement Floor-Fire Room	DF - Drinking Fountain	11/3/2017	6:50 PM	Flush	ND
310451310222006	11/04/2017	09:05 AM	BEAUP-02A	Basement Floor-Water Main-Electrical Room	O - Other	11/3/2017	6:50 PM	First Draw	ND
310451310222006	11/04/2017	09:10 AM	BEAUP-02B	Basement Floor-Water Main-Electrical Room	O - Other	11/3/2017	6:50 PM	Flush	ND
310451310222006	11/04/2017	09:10 AM	BEAUP-03A	Sub-Basement Floor-Kitchen	S - Sink	11/3/2017	6:50 PM	First Draw	ND
310451310222006	11/04/2017	09:10 AM	BEAUP-03B	Sub-Basement Floor-Kitchen	S - Sink	11/3/2017	6:50 PM	Flush	ND
310451310222006	11/04/2017	09:18 AM	BEAUP-04A	Basement Floor-Girls Bathroom	DF - Drinking Fountain	11/3/2017	6:50 PM	First Draw	ND
310451310222006	11/04/2017	09:18 AM	BEAUP-04B	Basement Floor-Girls Bathroom	DF - Drinking Fountain	11/3/2017	6:50 PM	Flush	ND
310451310222006	11/04/2017	09:21 AM	BEAUP-05A	2nd Floor-Outside Main Office	DF - Drinking Fountain	11/3/2017	6:50 PM	First Draw	ND
310451310222006	11/04/2017	09:21 AM	BEAUP-05B	2nd Floor-Outside Main Office	DF - Drinking Fountain	11/3/2017	6:50 PM	Flush	ND
310451310222006	11/04/2017	09:30 AM	BEAUP-06A	2nd Floor- Nurse Office Rm.205	S - Sink	11/3/2017	6:50 PM	First Draw	ND
310451310222006	11/04/2017	09:30 AM	BEAUP-06B	2nd Floor- Nurse Office Rm.205	S - Sink	11/3/2017	6:50 PM	Flush	ND
310451310222006	11/04/2017	09:32 AM	BEAUP-07A	2nd Floor-Rm. 207	DF - Drinking Fountain	11/3/2017	6:50 PM	First Draw	ND
310451310222006	11/04/2017	09:32 AM	BEAUP-07B	2nd Floor-Rm. 207	DF - Drinking Fountain	11/3/2017	6:50 PM	Flush	ND
310451310222006	11/04/2017	09:35 AM	BEAUP-08A	2nd Floor-Rm. 201	S - Sink	11/3/2017	6:50 PM	First Draw	ND
310451310222006	11/04/2017	09:35 AM	BEAUP-08B	2nd Floor-Rm. 201	S - Sink	11/3/2017	6:50 PM	Flush	ND
310451310222006	11/04/2017	09:40 AM	BEAUP-09A	3rd Floor-Rm. 304	DF - Drinking Fountain	11/3/2017	6:50 PM	First Draw	ND
310451310222006	11/04/2017	09:40 AM	BEAUP-09B	3rd Floor-Rm. 304	DF - Drinking Fountain	11/3/2017	6:50 PM	Flush	ND
310451310222006	11/04/2017	09:48 AM	BEAUP-10A	3rd Floor-Rm. 313	DF - Drinking Fountain	11/3/2017	6:50 PM	First Draw	ND
310451310222006	11/04/2017	09:48 AM	BEAUP-10B	3rd Floor-Rm. 313	DF - Drinking Fountain	11/3/2017	6:50 PM	Flush	ND
310451310222006	11/04/2017	09:50 AM	BEAUP-11A	3rd Floor-Rm. 309	S - Sink	11/3/2017	6:50 PM	First Draw	ND
310451310222006	11/04/2017	09:50 AM	BEAUP-11B	3rd Floor-Rm. 309	S - Sink	11/3/2017	6:50 PM	Flush	ND
310451310222006	11/04/2017	09:53 AM	BEAUP-12A	3rd Floor-Rm. 310	S - Sink	11/3/2017	6:50 PM	First Draw	ND
310451310222006	11/04/2017	09:53 AM	BEAUP-12B	3rd Floor-Rm. 310	S - Sink	11/3/2017	6:50 PM	Flush	ND
310451310222006	11/04/2017	10:01 AM	BEAUP-13A	1st Floor-Rm. 210	S - Sink	11/3/2017	6:50 PM	First Draw	2.32
310451310222006	11/04/2017	10:01 AM	BEAUP-13B	1st Floor-Rm. 210	S - Sink	11/3/2017	6:50 PM	Flush	ND
310451310222006	11/04/2017	10:05 AM	BEAUP-14A	1st Floor-Rm. 209	S - Sink	11/3/2017	6:50 PM	First Draw	6.38
310451310222006	11/04/2017	10:05 AM	BEAUP-14B	1st Floor-Rm. 209	S - Sink	11/3/2017	6:50 PM	Flush	ND
310451310222006	11/04/2017	10:10 AM	BEAUP-15A	2nd Floor-Teacher Lounge	S - Sink	11/3/2017	6:50 PM	First Draw	ND
310451310222006	11/04/2017	10:10 AM	BEAUP-15B	2nd Floor-Teacher Lounge	S - Sink	11/3/2017	6:50 PM	Flush	ND

APPENDIX B
Laboratory Results and Chain of Custody Documentation

SUBURBAN LABORATORIES, Inc.



1950 S. Batavia Ave., Suite 150 Geneva, Illinois 60134
Tel. (708) 544-3260 • Toll Free (800) 783-LABS
Fax (708) 544-8587
www.suburbanlabs.com

November 22, 2017

Olivia Reynhout
Weaver Consultants Group
1316 Bond St - Suite 108
Naperville, IL 60563

Workorder: 1711528

TEL: (630) 717-4848

FAX: (630) 717-4850

RE: Beaupre Elementary School Drinking Water Lead Analysis

Dear Olivia Reynhout:

Suburban Laboratories, Inc. received 30 sample(s) on 11/7/2017 for the analyses presented in the following report.

Customer has provided 250 mL volume sample bottles for all samples collected. Please note, all sample results that exceed 5.00 ug/L should be promptly reported to parents or guardians of all enrolled students. Results that are below 5.00 ug/L should be reported on the school website. Please refer to Public Act 099-0922 or the Illinois Department of Public Health for specific reporting requirements. Suburban Laboratories will forward all results to the IDPH within seven (7) business days from the date of this report.

This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc. If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,

Pat Rodriguez
Project Manager
708-544-3260 ext 214
pat@suburbanlabs.com



SUBURBAN LABORATORIES, Inc.



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Client ID: Weaver Consultants Group

Report Date: November 22, 2017

Project Name: Beaupre Elementary School Drinking Water Lead Analysis

Workorder: 1711528

Analyte: Lead

Method: EPA 200.8

Matrix: Drinking Water

Sample ID	Client Sample ID	Result	MRL	Units	Date & Time Water System Last Used	Date Collected	Date Analyzed
1711528-001A	BEAUP-01B~Basement Floor-Fire Room~	ND	2.00	µg/L	17 0.833333333	11/4/2017	11/13/2017
1711528-002A	BEAUP-02A~Basement Floor-Water Main-Electrical Room~	ND	2.00	µg/L	17 0.833333333	11/4/2017	11/13/2017
1711528-003A	BEAUP-02B~Basement Floor-Water Main-Electrical Room~	ND	2.00	µg/L	17 0.833333333	11/4/2017	11/10/2017
1711528-004A	BEAUP-03A~Sub-Basement Floor-Kitchen~	ND	2.00	µg/L	17 0.833333333	11/4/2017	11/10/2017
1711528-005A	BEAUP-03B~Sub-Basement Floor-Kitchen~	ND	2.00	µg/L	17 0.833333333	11/4/2017	11/13/2017
1711528-006A	BEAUP-04A~Basement Floor-Girls Bathroom ~	ND	2.00	µg/L	17 0.833333333	11/4/2017	11/10/2017
1711528-007A	BEAUP-04B~Basement Floor-Girls Bathroom ~	ND	2.00	µg/L	17 0.833333333	11/4/2017	11/10/2017
1711528-008A	BEAUP-05A~2nd Floor-Outside Main Office~	ND	2.00	µg/L	17 0.833333333	11/4/2017	11/10/2017
1711528-009A	BEAUP-05B~2nd Floor-Outside Main Office~	ND	2.00	µg/L	17 0.833333333	11/4/2017	11/10/2017
1711528-010A	BEAUP-06A~2nd Floor-Nurse Office Rm.205~	ND	2.00	µg/L	17 0.833333333	11/4/2017	11/10/2017
1711528-011A	BEAUP-06B~2nd Floor-Nurse Office Rm.205~	ND	2.00	µg/L	17 0.833333333	11/4/2017	11/10/2017
1711528-012A	BEAUP-07A~2nd Floor-Rm. 207~First Draw	ND	2.00	µg/L	17 0.833333333	11/4/2017	11/10/2017
1711528-013A	BEAUP-07B~2nd Floor-Rm. 207~Flush	ND	2.00	µg/L	17 0.833333333	11/4/2017	11/10/2017
1711528-014A	BEAUP-08A~2nd Floor-Rm. 201~First Draw	ND	2.00	µg/L	17 0.833333333	11/4/2017	11/10/2017
1711528-015A	BEAUP-08B~2nd Floor-Rm. 201~Flush	ND	2.00	µg/L	17 0.833333333	11/4/2017	11/10/2017
1711528-016A	BEAUP-09A~3rd Floor-Rm. 304~First Draw	ND	2.00	µg/L	17 0.833333333	11/4/2017	11/10/2017
1711528-017A	BEAUP-09B~3rd Floor-Rm. 304~Flush	ND	2.00	µg/L	17 0.833333333	11/4/2017	11/10/2017
1711528-018A	BEAUP-10A~3rd Floor-Rm. 313~First Draw	ND	2.00	µg/L	17 0.833333333	11/4/2017	11/10/2017
1711528-019A	BEAUP-10B~3rd Floor-Rm. 313~Flush	ND	2.00	µg/L	17 0.833333333	11/4/2017	11/10/2017
1711528-020A	BEAUP-11A~3rd Floor-Rm. 309~First Draw	ND	2.00	µg/L	17 0.833333333	11/4/2017	11/10/2017
1711528-021A	BEAUP-11B~3rd Floor-Rm. 309~Flush	ND	2.00	µg/L	17 0.833333333	11/4/2017	11/10/2017
1711528-022A	BEAUP-12A~3rd Floor-Rm. 310~First Draw	ND	2.00	µg/L	17 0.833333333	11/4/2017	11/10/2017
1711528-023A	BEAUP-12B~3rd Floor-Rm. 310~Flush	ND	2.00	µg/L	17 0.833333333	11/4/2017	11/10/2017

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Client ID: Weaver Consultants Group

Report Date: November 22, 2017

Project Name: Beaupre Elementary School Drinking Water Lead Analysis

Workorder: 1711528

Analyte: Lead

Method: EPA 200.8

Matrix: Drinking Water

Sample ID	Client Sample ID	Result	MRL	Units	Date & Time Water System Last Used	Date Collected	Date Analyzed
1711528-024A	BEAUP-13A~1st Floor-Rm. 210~First Draw	2.32	2.00	µg/L	17 0.8333333333	11/4/2017	11/10/2017
1711528-025A	BEAUP-13B~1st Floor-Rm. 210~Flush	ND	2.00	µg/L	17 0.8333333333	11/4/2017	11/10/2017
1711528-026A	BEAUP-14A~1st Floor-Rm. 209~First Draw	6.38	2.00	µg/L	17 0.8333333333	11/4/2017	11/10/2017
1711528-027A	BEAUP-14B~1st Floor-Rm. 209~Flush	ND	2.00	µg/L	17 0.8333333333	11/4/2017	11/10/2017
1711528-028A	BEAUP-15A~2nd Floor-Teacher Lounge~First Draw	ND	2.00	µg/L	17 0.8333333333	11/4/2017	11/11/2017
1711528-029A	BEAUP-15B~2nd Floor-Teacher Lounge~Flush	ND	2.00	µg/L	17 0.8333333333	11/4/2017	11/11/2017
1711528-030A	BEAUP-01A~Basement Floor-Fire Room~	ND	2.00	µg/L	17 0.8333333333	11/4/2017	11/11/2017

1711528-00A-30A

FIELD DATA FORM

School/Facility Name
 Beasure Elementary School
 ISBE ID: (ex:01-001-01-00001)
 310451310222006

Address
 954 E Benton St, Aurora, IL 60505
 Aurora, IL 60505

Sample Collector Name(s)
 Matthew Rodriguez

Water system last used Date: MMDDYYYY 11/04/2017 Time: HH24MM 20:00

All samples must be collected in unreserved

Bldg. ID	Bldg. Desc	Sample ID#	Sample Loc. Desc	Collection	Collection Time	Fixture Type	Sample Type	Sample Vol.	Notes
				Date	HH24MM				
0001	Main Building	01	1st Floor Classroom	MMDDYYYY					
1	School	BEAUP-01A	Basement Floor-Fire Room	11/04/2017	8:00	O - Other	First Draw	250	Description if "Other" is selected
1	School	BEAUP-01B	Basement Floor-Fire Room	11/04/2017	9:02	DF - Drinking Fountain		250	
2	School	BEAUP-02A	Basement Floor-Water Main-Electrical Room	11/04/2017	9:02	DF - Drinking Fountain		250	
3	School	BEAUP-02B	Basement Floor-Water Main-Electrical Room	11/04/2017	9:05	O - Other		250	
4	School	BEAUP-03A	Sub-Basement Floor-Kitchen	11/04/2017	9:10	S - Sink		250	
5	School	BEAUP-03B	Sub-Basement Floor-Kitchen	11/04/2017	9:10	S - Sink		250	
5	School	BEAUP-04A	Basement Floor-Girls Bathroom	11/04/2017	9:18	DF - Drinking Fountain		250	
6	School	BEAUP-04B	Basement Floor-Girls Bathroom	11/04/2017	9:18	DF - Drinking Fountain		250	
7	School	BEAUP-05A	2nd Floor-Outside Main Office	11/04/2017	9:21	DF - Drinking Fountain		250	
8	School	BEAUP-05B	2nd Floor-Outside Main Office	11/04/2017	9:21	DF - Drinking Fountain		250	
9	School	BEAUP-06A	2nd Floor-Nurse Office Rm.205	11/04/2017	9:30	S - Sink		250	
10	School	BEAUP-06B	2nd Floor-Nurse Office Rm.205	11/04/2017	9:30	S - Sink		250	
11	School	BEAUP-07A	2nd Floor-Rm. 207	11/04/2017	9:32	DF - Drinking Fountain	First Draw	250	
11	School	BEAUP-07B	2nd Floor-Rm. 207	11/04/2017	9:32	DF - Drinking Fountain	Flush	250	
12	School	BEAUP-08A	2nd Floor-Rm. 201	11/04/2017	9:35	S - Sink	First Draw	250	
13	School	BEAUP-08B	2nd Floor-Rm. 201	11/04/2017	9:35	S - Sink	Flush	250	
14	School	BEAUP-09A	3rd Floor-Rm. 304	11/04/2017	9:40	DF - Drinking Fountain	First Draw	250	
15	School	BEAUP-09B	3rd Floor-Rm. 304	11/04/2017	9:40	DF - Drinking Fountain	Flush	250	
16	School	BEAUP-10A	3rd Floor-Rm. 313	11/04/2017	9:43	DF - Drinking Fountain	First Draw	250	
17	School	BEAUP-10B	3rd Floor-Rm. 313	11/04/2017	9:43	DF - Drinking Fountain	Flush	250	
18	School	BEAUP-11A	3rd Floor-Rm. 309	11/04/2017	9:50	S - Sink	First Draw	250	
19	School	BEAUP-11B	3rd Floor-Rm. 309	11/04/2017	9:50	S - Sink	Flush	250	
20	School	BEAUP-12A	3rd Floor-Rm. 310	11/04/2017	9:53	S - Sink	First Draw	250	
21	School	BEAUP-12B	3rd Floor-Rm. 310	11/04/2017	9:53	S - Sink	Flush	250	
22	School	BEAUP-13A	1st Floor-Rm. 210	11/04/2017	10:01	S - Sink	First Draw	250	
23	School	BEAUP-13B	1st Floor-Rm. 210	11/04/2017	10:01	S - Sink	Flush	250	
24	School	BEAUP-14A	1st Floor-Rm. 209	11/04/2017	10:05	S - Sink	First Draw	250	
25	School	BEAUP-14B	1st Floor-Rm. 209	11/04/2017	10:05	S - Sink	Flush	250	
26	School	BEAUP-15A	2nd Floor-Teacher Lounge	11/04/2017	10:10	S - Sink	First Draw	250	
27	School	BEAUP-15B	2nd Floor-Teacher Lounge	11/04/2017	10:10	S - Sink	Flush	250	
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