



HOME OF THE
WILDCATS

BRUNSWICK R-II SCHOOL DISTRICT

1008 County Road
Brunswick, Missouri 65236-1445

Scott Singleton
High School Principal
660-548-3771

Cara Engelbrecht
Superintendent
660-548-3550

Heather Sims
Elementary Principal
660-548-3777

Dear Brunswick R-II Families,

On May 2, 2023, we received the results from the first round of lead testing. In accordance with statute, these results are being communicated to parents and staff via written notification within seven business days.

Immediate Actions:

In accordance with guidance from the EPA, the affected faucets or outlets should either be shut off or signage placed to indicate it is non-potable, not for drinking, or washing dishes. This signage can be temporary since testing is still in progress to localize the source of lead contaminants.

Explanation of Results:

*Total test points sampled—72

*Total samples with lead detected—11 (15.3%)

*Total samples with lead levels above the action level of 5ppb—9 (12.5%)

- The water meter test point tested at 15.8ppb. Some turbidity was noticed at the time of collection. Accumulation of internal pipe corrosion on the back side of valves that are normally unused is the most common cause. Flush sampling will be used to verify water quality entering the building. Other kitchen test points that are immediately downstream tested as non-detectable.
- The remaining seven sample points with elevated levels are all hand sinks in the science labs.

The most common cause of faucets testing for elevated levels of lead (pb) is due to corrosion within the faucet itself, which is caused by low pH, low alkalinity, high temperatures, and high corrosivity. Other causes are corroded iron and galvanized pipes or copper pipes that were installed before the lead and copper rule (40 CFR 141)

Remediation:

These are efforts to mitigate and correct the levels of lead to which children and staff are exposed: Recommendations are currently pending results of flush sample testing.

Next Steps:

Follow up flush samples will be collected per EPA and DHSS testing guidelines and are scheduled for May 9th, 2023.

Testing Criteria:

Each sample was tested for total lead content which includes dissolved and particulate. An elevated level is defined as a level of lead \geq 5ppb. Sampling was conducted per EPA test guidelines by initial draw after

stagnation (periods of non-use that exceed eight hours). This manner of testing is the first step in localization and is paired with follow-up flush testing to further localize the source of any elevated levels.

Health:

Health information and assistance is available at 573-874-2489 address-701 E Broadway, Columbia, MO 65205.

Additional information and resources on the health effects of lead contamination are available here:

<https://www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-drinking-water#health>



[Basic Information about Lead in Drinking Water | US EPA](#)

Questions and answers about lead in drinking water -- health effects, EPA regulations etc.

www.epa.gov

Please do not hesitate to reach out with any questions.

Sincerely,

A handwritten signature in cursive script that reads "Cara Engelbrecht".

Cara Engelbrecht
Superintendent



Analysis Report

Total Lead by ICP-MS

Chain of Custody: 23-0379

Facility: Brunswick R-II

Sample Matrix: Water

Method of Analysis: EPA 200.8

Laboratory Number	Customer Sample Number	Date Collected	Time Collected	Sample Type	Result ug/L (ppb)	Reporting Limit
231591	BR01-BSMT-WTR-PS-001	4/19/2023	3:16	Draw	15.8	1.0
231592	BR01-BSMT-DF-PS-002	4/19/2023	3:17	Draw	ND	1.0
231593	BR01-HIST-RRF1-PS-003	4/19/2023	3:19	Draw	ND	1.0
231594	BR01-HIST-RRF2-PS-004	4/19/2023	3:19	Draw	ND	1.0
231595	BR01-HIST-RRF3-PS-005	4/19/2023	3:19	Draw	ND	1.0
231596	BR01-WKRM-HS PS-006	4/19/2023	3:20	Draw	ND	1.0
231597	BR01-SCI-HS1 PS-007	4/19/2023	3:22	Draw	2.03	1.0
231598	BR01-SCI-HS2 PS-008	4/19/2023	3:22	Draw	6.14	1.0
231599	BR01-SCI-HS3 PS-009	4/19/2023	3:23	Draw	7.30	1.0
231600	BR01-SCI-HS4 PS-010	4/19/2023	3:24	Draw	8.26	1.0
231601	BR01-SCI-HS5 PS-011	4/19/2023	3:25	Draw	6.27	1.0
231602	BR01-SCI-HS6 PS-012	4/19/2023	3:25	Draw	24.0	1.0
231603	BR01-SCI-HS7 PS-013	4/19/2023	3:26	Draw	18.6	1.0
231604	BR01-SCI-HS8 PS-014	4/19/2023	3:26	Draw	9.31	1.0
231605	BR01-SCI-HS9 PS-015	4/19/2023	3:27	Draw	12.3	1.0
231606	BR01-FACS-HS1 PS-016	4/19/2023	3:29	Draw	ND	1.0
231607	BR01-FACS-HS2 PS-017	4/19/2023	3:29	Draw	ND	1.0
231608	BR01-FACS-HS3 PS-018	4/19/2023	3:30	Draw	ND	1.0
231609	BR01-FACS-HS4 PS-019	4/19/2023	3:30	Draw	1.02	1.0
231610	BR01-ART-HS PS-020	4/19/2023	3:32	Draw	ND	1.0
231611	BR01-FACS-DF PS-021	4/19/2023	3:33	Draw	ND	1.0
231612	BR01-FACS-DW PS-022	4/19/2023	3:33	Draw	ND	1.0
231613	BR01-ART-RRFG1 PS-023	4/19/2023	3:34	Draw	ND	1.0
231614	BR01-ART-RRFG2 PS-024	4/19/2023	3:34	Draw	ND	1.0
231615	BR01-ART-RRFG3 PS-025	4/19/2023	3:34	Draw	ND	1.0
231616	BR01-LIB-HS PS-026	4/19/2023	4:07	Draw	ND	1.0
231617	BR01-ELOFFICE-HS PS-027	4/19/2023	4:08	Draw	ND	1.0
231618	BR01-6TH-HS PS-028	4/19/2023	4:06	Draw	ND	1.0
231619	BR01-5TH-HS PS-029	4/19/2023	4:05	Draw	ND	1.0
231620	BR01-4TH-HS PS-030	4/19/2023	4:05	Draw	ND	1.0
231621	BR01-RESRM-HS PS-031	4/19/2023	4:04	Draw	ND	1.0
231622	BR01-3RD-HS PS-032	4/19/2023	4:03	Draw	ND	1.0
231623	BR01-READ-HS PS-033	4/19/2023	4:02	Draw	ND	1.0
231624	BR01-SPCH-DF PS-034	4/19/2023	4:01	Draw	ND	1.0
231625	BR01-SPCH-RRFB PS-035	4/19/2023	4:00	Draw	ND	1.0
231626	BR01-SPCH-RRFG PS-036	4/19/2023	4:00	Draw	ND	1.0

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Analysis Report

Total Lead by ICP-MS

Chain of Custody: 23-0379

Facility: Brunswick R-II

Sample Matrix: Water

Method of Analysis: EPA 200.8

Laboratory Number	Customer Sample Number	Date Collected	Time Collected	Sample Type	Result ug/L (ppb)	Reporting Limit
231627	BR01-SPCH-DFR PS-037	4/19/2023	3:57	Draw	ND	1.0
231628	BR01-SPCH-DW PS-038	4/19/2023	3:57	Draw	ND	1.0
231629	BR01-1ST-HS PS-039	4/19/2023	4:00	Draw	ND	1.0
231630	BR01-KIND-HS PS-040	4/19/2023	3:57	Draw	ND	1.0
231631	BR01-KIND-RRF PS-041	4/19/2023	3:57	Draw	ND	1.0
231632	BR01-PREK-HS PS-042	4/19/2023	3:56	Draw	ND	1.0
231633	BR01-PREK-RRF PS-043	4/19/2023	3:56	Draw	ND	1.0
231634	BR01-2ND-HS PS-044	4/19/2023	3:54	Draw	ND	1.0
231635	BR01-NURS-HS PS-045	4/19/2023	3:50	Draw	ND	1.0
231636	BR01-WKRM2-HS PS-046	4/19/2023	3:48	Draw	ND	1.0
231637	BR01-WKRM2-RRF PS-047	4/19/2023	3:48	Draw	ND	1.0
231638	BR01-KITCH-HS PS-048	4/19/2023	4:14	Draw	ND	1.0
231639	BR01-KITCH-FPR PS-049	4/19/2023	4:14	Draw	ND	1.0
231640	BR01-KITCH-FPL PS-050	4/19/2023	4:14	Draw	ND	1.0
231641	BR01-KITCH-SC PS-051	4/19/2023	4:14	Draw	ND	1.0
231642	BR01-LOUNG-HS PS-052	4/19/2023	4:33	Draw	ND	1.0
231643	BR01-LOUNG-RRFG PS-053	4/19/2023	4:35	Draw	ND	1.0
231644	BR01-LOUNG=RRFB PS-054	4/19/2023	4:35	Draw	ND	1.0
231645	BR01-GYM-DW PS-055	4/19/2023	4:30	Draw	ND	1.0
231646	BR01-GLKR-RRF PS-056	4/19/2023	4:30	Draw	ND	1.0
231647	BR01-GLKR-DW PS-057	4/19/2023	4:30	Draw	ND	1.0
231648	BR01-GLKR-DF PS-058	4/19/2023	4:30	Draw	ND	1.0
231649	BR01-WGT-DFR PS-059	4/19/2023	4:27	Draw	ND	1.0
231650	BR01-WGT-DFL PS-060	4/19/2023	4:27	Draw	ND	1.0
231651	BR01-WDT-DW PS-061	4/19/2023	4:27	Draw	ND	1.0
231652	BR01=WGT-RRF PS-062	4/19/2023	4:27	Draw	ND	1.0
231653	BR01-COACH-HS PS-063	4/19/2023	4:24	Draw	ND	1.0
231654	BR01-BLKR-RRF PS-064	4/19/2023	4:24	Draw	ND	1.0
231655	BR01-BLKR-DW PS-065	4/19/2023	4:24	Draw	ND	1.0
231656	BR01-BLKR-DF PS-066	4/19/2023	4:24	Draw	ND	1.0
231657	BR01-MUS-DW PS-067	4/19/2023	4:20	Draw	ND	1.0
231658	BR01-MUS-DF PS-068	4/19/2023	4:20	Draw	ND	1.0
231659	BR01-BAND-RRFB1 PS-069	4/19/2023	4:20	Draw	ND	1.0
231660	BR01-BAND-RRFB2 PS-070	4/19/2023	4:20	Draw	ND	1.0
231661	BR01-BAND-RRFB3 PS-071	4/19/2023	4:20	Draw	ND	1.0
231662	BR01-CONC-HS PS-072	4/19/2023	3:46	Draw	ND	1.0

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120 East Davis Street
 Fayette, MO 65248-1405
 (660) 248-1911
 www.inovatia.com

Contact Name: Bob Franklin
 Company Name: Get the Lead Out LLC
 Address: PO Box 118
 City,State,zip: Sturgeon, MO 65284
 Phone Number: 417-294-6112
 E-Mail: bobfranklin@gettheleadoutmo.us

Matrix: Water
 Grab/Composite: Grab
 Number of Containers: 72
 Preservation: HNO3
 Chain of Custody: 23-0379

Facility: Brunswick R-II
 Facility Address: 309 Thomas St madison Mo 65236
 Facility Contact: Cara Engelbrecht

Lab Number	Customer Sample Number	Date Collected	Time Collected
1	231591	BR01-BSMT-WTR-PS-001	4/19/2030 3:16
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17	231607	BR01-FACS-HS2 PS-017	4/19/2030 3:29
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35	231625	BR01-SPCH-RRFB PS-035	4/19/2030 4:00
36	231626	BR01-SPCH-RRFG PS-036	4/19/2030 4:00
37	231627	BR01-SPCH-DFR PS-037	4/19/2030 3:57
38	231628	BR01-SPCH-DW PS-038	4/19/2030 3:57
39	231629	BR01-1ST-HS PS-039	4/19/2030 4:00
40	231630	BR01-KIND-HS PS-040	4/19/2030 3:57

41	231631	BRO1-KIND-RRF PS-041	4/19/2030	3:57
42	231632	BRO1-PREK-HS PS-042	4/19/2030	3:56
43	231633	BRO1-PREK-RRF PS-043	4/19/2030	3:56
44	231634	BRO1-2ND-HS PS-044	4/19/2030	3:54
45	231635	BRO1-NURS-HS PS-045	4/19/2030	3:50
46	231636	BRO1-WKRM2-HS PS-046	4/19/2030	3:48
47	231637	BRO1-WKRM2-RRF PS-047	4/19/2030	3:48
48	231638	BRO1-KITCH-HS PS-048	4/19/2030	4:14
49	231639	BRO1-KITCH-FPR PS-049	4/19/2030	4:14
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53	231643	BRO1-LOUNG-RRFG PS-053	4/19/2030	4:35
54	231644	BRO1-LOUNG=RRFB PS-054	4/19/2030	4:35
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59	231649	BRO1-WGT-DFR PS-059	4/19/2030	4:27
60	231650	BRO1-WGT-DFL PS-060	4/19/2030	4:27
61	231651	BRO1-WDT-DW PS-061	4/19/2030	4:27
62	231652	BRO1=WGT-RRF PS-062	4/19/2030	4:27
63	231653	BRO1-COACH-HS PS-063	4/19/2030	4:24
64	231654	BRO1-BLKR-RRF PS-064	4/19/2030	4:24
65	231655	BRO1-BLKR-DW PS-065	4/19/2030	4:24
66	231656	BRO1-BLKR-DF PS-066	4/19/2030	4:24
67	231657	BRO1-MUS-DW PS-067	4/19/2030	4:20
68	231658	BRO1-MUS-DF PS-068	4/19/2030	4:20
69	231659	BRO1-BAND-RRFB1 PS-069	4/19/2030	4:20
70	231660	BRO1-BAND-RRFB2 PS-070	4/19/2030	4:20
71	231661	BRO1-BAND-RRFB3 PS-071	4/19/2030	4:20
72	231662	BRO1-CONC-HS PS-072	4/19/2030	3:46
73				
74				

Delivery Method: Hand
Coolant: N/A
Arrival Temperature: N/A

Sampler Signature: 

Date/Time: 4/21/2023 0600

Relinquished By: Bob Franklin

Date/Time: 4/21/2023 13:15

Received By: 

Date/Time: 4/21/2023 13:15