

Ridgeland School District 122

Administrative Center
6500 West 95th Street, Oak Lawn, IL 60453

Thursday, October 12, 2017
6:30 p.m.

Finance Committee Meeting

AGENDA

1. Call to Order _____ (time)
2. Members Present _____
3. Approval of the Minutes of the August 2, 2017, Finance Committee Meeting
 - Recommended Motion – that the Finance Committee approve the minutes of the August 2, 2017, Finance Committee meeting

 A _____
 N _____
 Abstain _____
 Absent _____

4. Finance
 - 2017 Estimated Tax Levy
 - State Payment Update
 - Property Tax Collections Update
 - Annual Audit
 - PMA Update
 - Electricity Pricing
 - List of Bills (if available)
 - Township Treasurer’s Report (if available)
 - Other
5. Human Resources
6. Building and Grounds
 - Simmons Computer Lab Renovations
 - Harnew Chiller Update
 - Water Testing
7. Closed Session (if needed)
 - Personnel, Contracts, Litigation
8. Adjournment _____ (time)

Ridgeland School District 122

6500 West 95th Street, Oak Lawn, IL 60453
 Phone 708-599-5550 Fax 708-599-5626
www.ridgeland122.com

Meeting Minutes

Finance Committee Meeting
Date: August 2, 2017
Time: 6:00 PM
Place: Administrative Center Board Room
Challenge! Care! Success!

Present: Dave Lis, Steve Niceforo, Julie Shellberg, Doug Ogarek

Agenda Item	Notes
Call to Order	6:02pm
Finance	
<ul style="list-style-type: none"> ● 2017/2018 Tentative Budget 	Balanced Budget \$26.7 million in operating revenue and \$26.5 in operating expenditures for a surplus of \$144,000.
<ul style="list-style-type: none"> ● Budget Hearing Scheduled for September 14th (same day as Board Meeting) 	Required Budget Hearing
<ul style="list-style-type: none"> ● State Payment Update 	The state owes the district \$1.117 million for various programs vouched as far back as November 2016.
<ul style="list-style-type: none"> ● Property Tax 	Property tax collections for 2016 levy total \$11,571,607 representing the first installment.
<ul style="list-style-type: none"> ● Annual Audit 	Audit by RSM to commence on 8/22/17.
<ul style="list-style-type: none"> ● Joint Purchasing Cooperatives <ul style="list-style-type: none"> ○ CMS ○ TIPS 	Joint purchasing cooperatives allow access to equipment, supplies and materials at competitively bid pricing without the administrative burden of bidding.
<ul style="list-style-type: none"> ● List of Bills (if available) 	Will be provided in board packet for board meeting
<ul style="list-style-type: none"> ● Township Treasurer's Report (if available) 	Will be provided in board packet for board meeting
<ul style="list-style-type: none"> ● Other 	
Human Resources	
Buildings and Grounds	
<ul style="list-style-type: none"> ● Summer Cleaning 	Two team approach worked extremely well; buildings look great
<ul style="list-style-type: none"> ● Summer Projects 	Projects include, playground improvements at CM, sunshade at Harnew, gymnasium floor at Simmons, wall pads at Lieb, and STEM Lab at Simmons.
Technology	

Food Service	
<ul style="list-style-type: none">• Community Eligibility Provision (CEP)	Staff from the state has indicated that RSD122 will be approved if identified students is greater than 40%
Public Comments	None
Closed Session (if needed)	None
Adjournment	6:43pm

10/10/2017

Office of the Cook County Treasurer
 Agency Collection Distribution Report
 Tax Year 2016
 Through 9/30/2017

SCHOOL DISTRICT 122
 Agency # 04-0770-000

	Real Estate Collections	Real Estate Refunds	RailRoad Collections	RailRoad Refunds	Total
Taxes Extended	22,130,077.17		14,139.60		22,144,216.77
Gross Taxes Distributed	21,479,944.66		14,139.60		21,494,084.26
General Refunds		(51,722.31)		0.00	(51,722.31)
Illegal Rate Refunds		0.00		0.00	0.00
SP/PTAB Refunds		0.00		0.00	0.00
Total Refunds Recouped		(51,722.31)		0.00	
Net Collections Distributed					21,442,361.95
TIF Rebates					0.00
Interest Earnings					876.45



RIDGELAND SCHOOL DISTRICT # 122

ANDREW KIM

*DIRECTOR, PUBLIC FINANCE
PMA SECURITIES, INC.*

Plan of Finance Options

BOB LEWIS

Market Update

*SVP / MANAGING DIRECTOR
PMA SECURITIES, INC.*

August 9, 2017

EXISTING DEBT PORTFOLIO



OUTSTANDING PRINCIPAL

Year	Fiscal Year	GO Limited Tax School Bonds Series 1999	Capital Appreciation School Bonds Series 2000	GO Capital Appreciation School Bonds Series 2003	GO Refunding School Bonds, Series 2011B	GO Refunding School Bonds, Series 2011D-1	GO Refunding School Bonds, Series 2011D-2	GO Refunding School Bonds, Series 2012B-1	GO Refunding School Bonds, Series 2012B-2	GO Refunding School Bonds, Series 2012D	School Bonds, Series 2013	Total	Ending Principal Balance	Cumulative Retirement as Percent of Total Principal
2018	2018	\$ 980,000	\$ -	\$ 147,566	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,370,000	\$ 2,497,566	\$ 41,040,564	11.26%
2019	2019	1,100,000	20,638	-	-	-	-	-	-	340,000	1,414,000	2,874,638	38,165,926	17.86%
2020	2020	-	69,926	-	-	-	-	-	-	-	2,711,000	2,780,926	35,385,000	24.25%
2021	2021	-	-	-	-	-	-	-	-	550,000	-	550,000	34,835,000	25.51%
2022	2022	-	-	-	-	-	-	-	-	540,000	-	540,000	34,295,000	26.75%
2023	2023	-	-	-	-	-	-	-	-	530,000	-	530,000	33,765,000	27.97%
2024	2024	-	-	-	-	-	-	-	-	-	-	-	32,335,000	31.26%
2025	2025	-	-	-	2,965,000	-	-	-	-	-	-	2,965,000	29,370,000	38.07%
2026	2026	-	-	-	-	-	-	-	-	-	-	2,465,000	26,905,000	43.73%
2027	2027	-	-	-	-	-	-	-	-	-	-	2,590,000	24,315,000	49.68%
2028	2028	-	-	-	-	-	-	-	-	-	-	2,730,000	21,585,000	55.95%
2029	2029	-	-	-	-	-	-	-	-	-	-	2,850,000	18,735,000	62.49%
2030	2030	-	-	-	-	1,000,000	1,915,000	300,000	-	-	-	3,215,000	15,520,000	69.88%
2031	2031	-	-	-	-	2,585,000	500,000	325,000	-	-	-	3,410,000	12,110,000	77.71%
2032	2032	-	-	-	-	-	-	3,610,000	-	-	-	3,610,000	8,500,000	86.00%
2033	2033	-	-	-	-	-	-	-	-	-	-	1,700,000	6,800,000	89.91%
2034	2034	-	-	-	-	-	-	-	-	-	-	1,700,000	5,100,000	93.81%
2035	2035	-	-	-	-	-	-	-	-	-	-	1,700,000	3,400,000	97.71%
2036	2036	-	-	-	-	-	-	-	-	-	-	1,700,000	1,700,000	101.62%
2037	2037	-	-	-	-	-	-	-	-	-	-	1,700,000	-	105.52%
Total:		\$ 2,080,000	\$ 90,564	\$ 147,566	\$ 2,965,000	\$ 3,585,000	\$ 3,415,000	\$ 5,250,000	\$ 10,050,000	\$ 10,460,000	\$ 5,495,000	\$ 43,538,130		

Purpose: Improvements
 Callable: N/A

BD: N/A
 Improvements: N/A
 AR-2000: 06/01/21
 AR-2011C-1: 12/01/19
 AR-2011C-2: 12/01/21
 AR-2011A-1, A-2: 12/01/21
 AR-2012A-3: 12/01/21
 AR-2003: 12/01/22

		Non-Referendum Bonds Debt Service			Non Referendum Debt Service		
		Taxable G.O.		Extension Base			
Lewy	Fiscal	Limited School Bonds, Series	Limited School Bonds, Series	Funds on Hand / DSEB growth not captured	Total	Created W/1994	Remaining Margin
Year	Year	Bonds Series 1999	2013			Lewy (1)	
2013	2015	\$ 1,054,660	\$ -	\$ (6,649)	\$ 2,470,932	\$ 2,470,932	\$ -
2014	2016	1,105,575	1,420,920	(18,500)	2,507,996	2,507,996	-
2015	2017	1,115,000	1,515,815	(102,755)	2,528,060	2,528,060	-
2016	2018	1,115,200	1,540,863	-	2,656,063	2,545,756	(110,307)
2017	2019	1,171,500	1,549,243	-	2,720,743	2,599,217	(121,526)
2018	2020	-	2,804,530	-	2,804,530	2,599,217	(205,313)
2019	2021	-	-	-	-	2,599,217	2,599,217
2020	2022	-	-	-	-	2,599,217	2,599,217
2021	2023	-	-	-	-	2,599,217	2,599,217
2022	2024	-	-	-	-	2,599,217	2,599,217
2023	2025	-	-	-	-	2,599,217	2,599,217
2024	2026	-	-	-	-	2,599,217	2,599,217
2025	2027	-	-	-	-	2,599,217	2,599,217
2026	2028	-	-	-	-	2,599,217	2,599,217
2027	2029	-	-	-	-	2,599,217	2,599,217
2028	2030	-	-	-	-	2,599,217	2,599,217
2029	2031	-	-	-	-	2,599,217	2,599,217
2030	2032	-	-	-	-	2,599,217	2,599,217
2031	2033	-	-	-	-	2,599,217	2,599,217
2032	2034	-	-	-	-	2,599,217	2,599,217
2033	2035	-	-	-	-	2,599,217	2,599,217
2034	2036	-	-	-	-	2,599,217	2,599,217
2035	2037	-	-	-	-	2,599,217	2,599,217
2036	2038	-	-	-	-	2,599,217	2,599,217
2037	2039	-	-	-	-	2,599,217	2,599,217
2038	2040	-	-	-	-	2,599,217	2,599,217
2039	2041	-	-	-	-	2,599,217	2,599,217
2040	2042	-	-	-	-	2,599,217	2,599,217
Total DS From							
Current FY:		\$ 2,286,700	\$ 5,894,635	\$ -	\$ 8,181,335		

In order to access future DSEB capacity, the District must take action by March 1, 2020 (final date to impact LY 2019)

(1) Pursuant to Public Act 96-0501, the District's DSEB will increase by the lesser of CPI or 5% each year starting with levy year 2009. The applicable CPI increase has been applied to levy years 2009-2016, and assumed to be 0.0% per year thereafter. If the District issues non-referendum bonds with debt service structured assuming a growing DSEB, it will need to pass resolutions, perhaps annually, to capture the additional DSEB levy available from CPI growth. If the CPI growth is less than estimated on average, the District will have to pay debt service in excess of the DSEB from funds on hand.

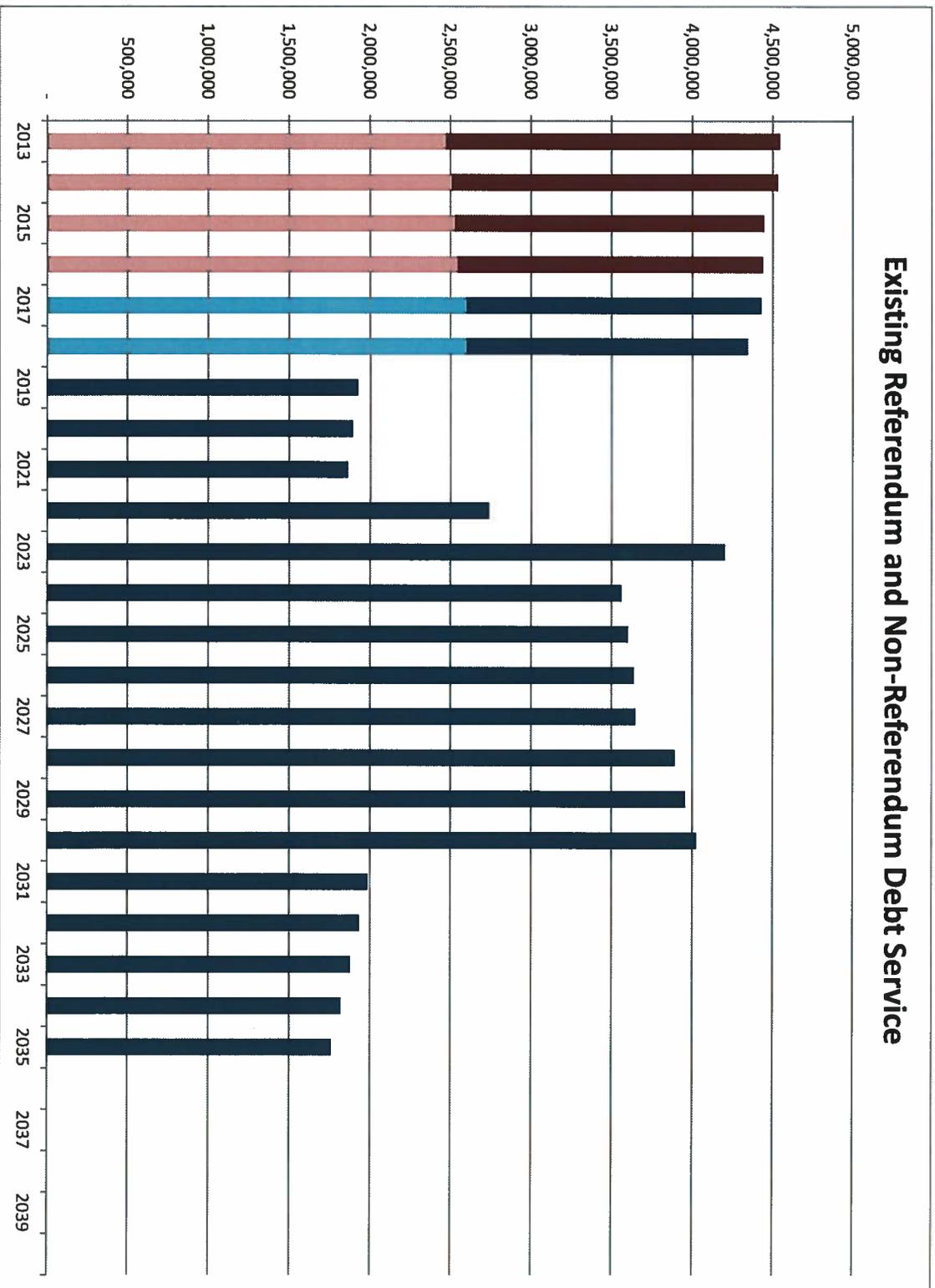
Referendum Bonds Debt Service

Ley Year	Fiscal Year	Capital		GO Capital		GO Refunding		GO Refunding		Total
		Series 2000	Series 2003	Series 2011B	Series 2011D-1	Series 2011D-2	Series 2012B-1	Series 2012B-2	Series 2012D	
		\$9,997,537.35	\$8,599,939.15	\$2,965,000	\$3,585,000	\$3,415,000	\$5,250,000	\$10,050,000	\$10,460,000	
		Appreciation	Appreciation	Refunding	Refunding	Refunding	Refunding	GO Refunding	GO Refunding	
		School Bonds	School Bonds	School Bonds,	School Bonds,	School Bonds,	School Bonds,	School Bonds,	School Bonds,	
		Series 2000	Series 2003	Series 2011B	Series 2011D-1	Series 2011D-2	Series 2012B-1	Series 2012B-2	Series 2012D	
2013	2015	\$ 25,000	\$ 660,000	\$ 140,838	\$ 145,900	\$ 136,600	\$ 197,819	\$ 401,898	\$ 365,275	\$ 2,073,319
2014	2016	185,000	450,000	140,838	145,900	136,600	197,819	401,898	365,275	2,023,319
2015	2017	-	530,000	140,838	145,900	136,600	197,819	401,898	365,275	1,918,319
2016	2018	-	505,000	140,838	145,900	136,600	197,819	401,888	365,275	1,893,319
2017	2019	100,000	-	140,838	145,900	136,600	197,819	401,888	705,275	1,828,319
2018	2020	370,000	-	140,838	145,900	136,600	197,819	401,888	351,675	1,744,719
2019	2021	-	-	140,838	145,900	136,600	197,819	401,888	901,675	1,924,719
2020	2022	-	-	140,838	145,900	136,600	197,819	401,888	869,675	1,892,719
2021	2023	-	-	140,838	145,900	136,600	197,819	401,888	838,075	1,861,119
2022	2024	-	-	140,838	145,900	136,600	197,819	401,888	286,875	2,739,919
2023	2025	-	-	3,105,838	145,900	136,600	197,819	330,388	286,875	4,203,419
2024	2026	-	-	-	145,900	136,600	197,819	2,795,388	286,875	3,562,581
2025	2027	-	-	-	145,900	136,600	197,819	2,834,113	286,875	3,601,306
2026	2028	-	-	-	145,900	136,600	197,819	2,870,513	286,875	3,637,706
2027	2029	-	-	-	145,900	1,136,600	1,212,819	866,313	286,875	3,648,506
2028	2030	-	-	-	1,145,900	2,011,600	447,069	-	286,875	3,891,444
2029	2031	-	-	-	2,688,400	520,000	462,319	-	286,875	3,957,594
2030	2032	-	-	-	-	-	3,736,350	-	286,875	4,023,225
2031	2033	-	-	-	-	-	-	-	1,986,875	1,986,875
2032	2034	-	-	-	-	-	-	-	1,931,625	1,931,625
2033	2035	-	-	-	-	-	-	-	1,876,375	1,876,375
2034	2036	-	-	-	-	-	-	-	1,819,000	1,819,000
2035	2037	-	-	-	-	-	-	-	1,759,500	1,759,500
2036	2038	-	-	-	-	-	-	-	-	-
2037	2039	-	-	-	-	-	-	-	-	-
2038	2040	-	-	-	-	-	-	-	-	-
2039	2041	-	-	-	-	-	-	-	-	-
2040	2042	-	-	-	-	-	-	-	-	-
Total DS From										
Current FY:		\$ 470,000	\$ 505,000	\$ 4,091,701	\$ 5,585,100	\$ 5,170,800	\$ 8,034,563	\$ 13,939,925	\$ 15,986,900	\$ 53,783,988

Total General Obligation Bonds Debt Service

Lewy Year	Fiscal Year	Bonds Debt Service	5.0% (changed)		Total County Loss/Cost Debt Service on Limited Bonds	Total County Loss/Cost Debt Service	EAV	Growth Rate	B&I Tax Rate
			LY15 from 10%	5.0% County					
2013	2015	\$ 4,544,250	\$ 2,280,651	\$ 2,594,478	\$ 4,875,129	\$ 502,493,711	-5.54%	0.9702	
2014	2016	4,531,314	2,225,651	2,633,395	4,859,046	471,514,801	-6.17%	1.0305	
2015	2017	4,446,378	2,014,235	2,654,463	4,668,697	458,106,647	-2.84%	1.0191	
2016	2018	4,439,075	1,987,985	2,673,044	4,661,028	480,351,595	4.86%	0.9703	
2017	2019	4,427,536	1,919,735	2,729,178	4,648,912	480,351,595	0.00%	0.9678	
2018	2020	4,343,936	1,831,955	2,729,178	4,561,132	480,351,595	0.00%	0.9495	
2019	2021	1,924,719	2,020,955	-	2,020,955	480,351,595	0.00%	0.4207	
2020	2022	1,892,719	1,987,355	-	1,987,355	480,351,595	0.00%	0.4137	
2021	2023	1,861,119	1,954,175	-	1,954,175	480,351,595	0.00%	0.4068	
2022	2024	2,739,919	2,876,915	-	2,876,915	480,351,595	0.00%	0.5989	
2023	2025	4,203,419	4,413,590	-	4,413,590	480,351,595	0.00%	0.9188	
2024	2026	3,562,581	3,740,710	-	3,740,710	480,351,595	0.00%	0.7787	
2025	2027	3,601,306	3,781,372	-	3,781,372	480,351,595	0.00%	0.7872	
2026	2028	3,637,706	3,819,592	-	3,819,592	480,351,595	0.00%	0.7952	
2027	2029	3,648,506	3,830,932	-	3,830,932	480,351,595	0.00%	0.7975	
2028	2030	3,891,444	4,086,016	-	4,086,016	480,351,595	0.00%	0.8506	
2029	2031	3,957,594	4,155,473	-	4,155,473	480,351,595	0.00%	0.8651	
2030	2032	4,023,225	4,224,386	-	4,224,386	480,351,595	0.00%	0.8794	
2031	2033	1,986,875	2,086,219	-	2,086,219	480,351,595	0.00%	0.4343	
2032	2034	1,931,625	2,028,206	-	2,028,206	480,351,595	0.00%	0.4222	
2033	2035	1,876,375	1,970,194	-	1,970,194	480,351,595	0.00%	0.4102	
2034	2036	1,819,000	1,909,950	-	1,909,950	480,351,595	0.00%	0.3976	
2035	2037	1,759,500	1,847,475	-	1,847,475	480,351,595	0.00%	0.3846	
2036	2038	-	-	-	-	480,351,595	0.00%	0.0000	
2037	2039	-	-	-	-	480,351,595	0.00%	0.0000	
2038	2040	-	-	-	-	480,351,595	0.00%	0.0000	
2039	2041	-	-	-	-	480,351,595	0.00%	0.0000	
2040	2042	-	-	-	-	485,155,111	1.00%	0.0000	
Total DS From Current FY:		\$ 61,528,178	\$ 56,473,188	\$ 8,131,399	\$ 64,604,587				

Existing Referendum and Non-Referendum Debt Service





DEBT CAPACITY

Year	2016	2017	2018	2019	2020	2020	2020	2021	2021	2021	2022	2022	2022	2023	2023	2023	2024	2024	2025	2026
Collection Year	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
Fiscal Year Ending 6/30	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
Direct Debt, Beginning of Period (1)	\$ 39,775,033	\$ 36,605,637	\$ 33,234,045	\$ 29,506,870	\$ 28,567,180	\$ 27,379,563	\$ 26,280,709	\$ 26,280,709	\$ 23,835,000	\$ 20,870,000										
Principal Paydown, Series 1999 (2)	(980,000)	(1,100,000)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Principal Paydown, Series 2000 CAB (2)	(587,089)	(618,108)	(795,648)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Principal Paydown, Series 2001 CAB (2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Principal Paydown, Series 2003 CAB (2)	(232,307)	(239,484)	(220,527)	(204,186)	(1,187,617)	(1,098,854)	(1,015,709)	-	-	-	-	-	-	-	-	-	-	-	-	-
Principal Paydown, Series 2007 (2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Principal Paydown, Series 20011B (2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Principal Paydown, Series 2011D-1 (2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Principal Paydown, Series 2011D-2 (2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Principal Paydown, Series 2012B-1 (2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Principal Paydown, Series 2012B-2 (2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Principal Paydown, Series 2012D (2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Principal Paydown, Series 2013 (2)	(1,370,000)	(1,414,000)	(2,711,000)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Direct Debt, End of Period (1)	\$ 36,605,637	\$ 33,234,045	\$ 29,506,870	\$ 28,567,180	\$ 27,379,563	\$ 26,280,709	\$ 23,835,000	\$ 20,870,000	\$ 18,405,000											
Equalized Assessed Valuation	\$ 480,351,595	\$ 480,351,595	\$ 480,351,595	\$ 480,351,595	\$ 480,351,595	\$ 480,351,595	\$ 480,351,595	\$ 480,351,595	\$ 480,351,595	\$ 480,351,595	\$ 480,351,595	\$ 480,351,595	\$ 480,351,595	\$ 480,351,595	\$ 480,351,595	\$ 480,351,595	\$ 480,351,595	\$ 480,351,595	\$ 480,351,595	\$ 480,351,595
Assumed EAV Increase	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Statutory Debt Limit @ 6.90%	\$ 33,144,260	\$ 33,144,260	\$ 33,144,260	\$ 33,144,260	\$ 33,144,260	\$ 33,144,260	\$ 33,144,260	\$ 33,144,260	\$ 33,144,260	\$ 33,144,260	\$ 33,144,260	\$ 33,144,260	\$ 33,144,260	\$ 33,144,260	\$ 33,144,260	\$ 33,144,260	\$ 33,144,260	\$ 33,144,260	\$ 33,144,260	\$ 33,144,260
Direct Debt, End of Period as % of EAV	7.62%	6.92%	6.14%	5.95%	5.70%	5.47%	4.96%	4.34%	3.83%											
Statutory Debt Margin at End of Period (1)	\$ (3,461,377)	\$ (89,785)	\$ 3,637,390	\$ 4,577,081	\$ 5,764,697	\$ 6,863,552	\$ 9,309,260	\$ 12,274,260	\$ 14,739,260											

1) Assumes that the principal due in the current year is paid or that the funds are set aside for payment.
 2) Principal paid on December 1 of the fiscal year.

- Funding Bonds and Working Cash Bonds can be issued even when a District is over its debt limit
- The District received a debt limit exemption in 2012 regarding those bonds issued to refund any bond originally issued pursuant to voter approval at the November 7, 2000 general election
 - This exemption applies only to the 2012D Bonds
 - Will also apply to any future refunding bonds issued to refund the 2011B, 2011D-1, 2011D-2, 2012B-1, 2012B-2, or 2012D Bonds

Working Cash Fund Bond Worksheet

MAXIMUM SIZE OF WORKING CASH FUND

Current equalized assessed valuation (Including TIF)			\$480,351,595.00
Times the maximum educational fund tax rate	\$3.5000	x	0.0350
Equals			<u>\$16,812,305.83</u>

Plus the lesser of the actual amount of replacement taxes received by the District during 2016 or the estimated amount of replacement taxes to be received by the District during 2017.

		+	\$223,328.43
Equals			<u>\$17,035,634.26</u>

Times 85%		x	85%
Equals			<u>\$14,480,289.12</u>

Less the greater of working cash fund bonds outstanding OR the amount presently to the credit of the working cash fund (including amounts loaned to other funds) - \$5,495,000.00

(Assumes Working Cash Fund is Abated) [Balance in Working Cash Fund]
TOTAL (Authorized Issue Size) \$8,985,289.12

If issued on a tax-exempt basis, the working cash fund bonds would constitute a working capital financing under the Internal Revenue Code of 1986 and the arbitrage and rebate regulations promulgated thereunder. If the bonds are to be issued on a tax-exempt basis, an analysis must be made of the District's anticipated cash flow deficits in its education or other funds to determine how the proceeds of the working cash fund bonds may be invested.

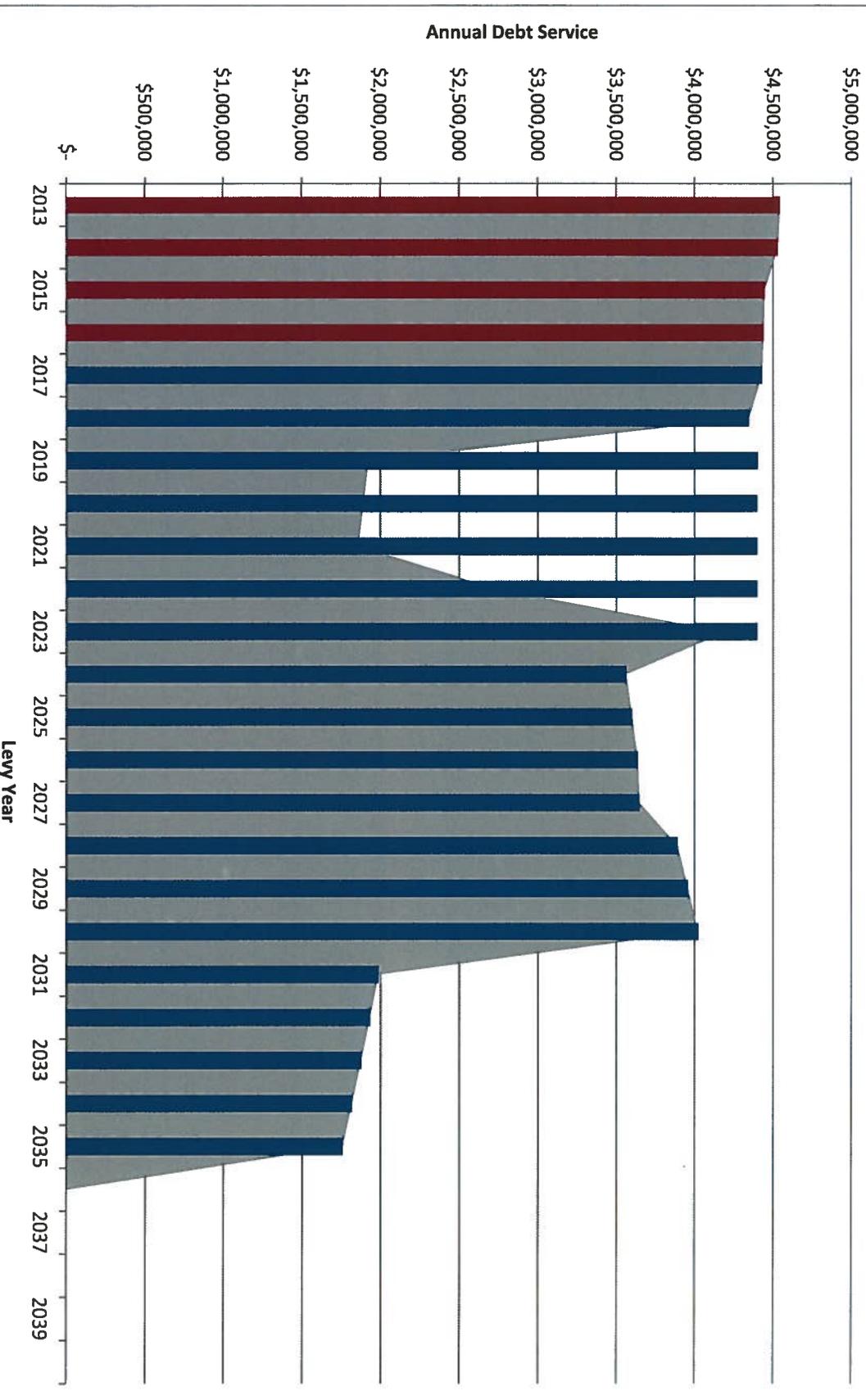
In general, in order to invest the bond proceeds at an unrestricted yield, the District must reasonably expect that the principal amount of the working cash fund bonds to be issued will not be greater than the sum (i) the projected cash flow deficit in its educational or other funds during the thirteen months following the issuance of the bonds and (ii) five percent of the expenditures from the education or other funds in the preceding fiscal year. This reasonably expected deficit must be evidenced by monthly cash flow estimates prepared by the District.

NEW MONEY CONSIDERATIONS

Level Aggregate Debt Service @ \$4.4 million annually

- Final maturity on 12/1/2024 (LY 2023 / FY 2025)
- Assumes no DSEB growth due to CPI and issuance date of 9/15/2019
- Approximately \$8.7 million in proceeds generated
- Potential property tax impact of LY 2018 – LY 2019 increase on \$200,000 homeowner is approximately \$8.
- Approximate annual DSEB unused:
 - LY 2019: \$125,000
 - LY 2020: \$95,000
 - LY 2021: \$65,000
 - LY 2022: \$945,000
 - LY 2023: \$2.40 million

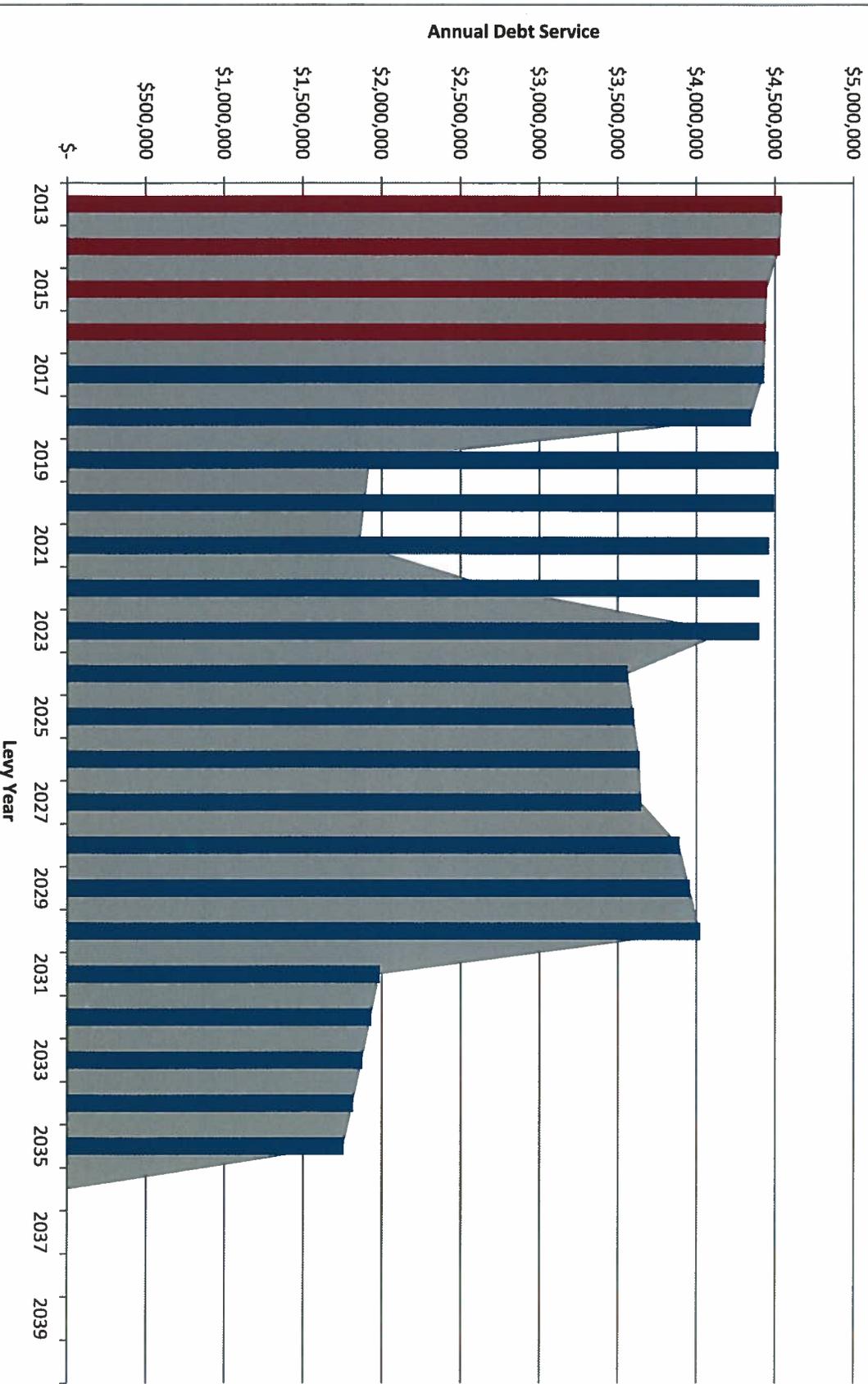
**Existing and Proposed Debt Service
(Level \$4.4 Million Aggregate Debt Service)**



Maximizing Annual Debt Service Extension Base (through LY 2021)

- Final maturity on 12/1/2024 (LY 2023 / FY 2025)
- Assumes no DSEB growth due to CPI and issuance date of 9/15/2019
- Approximately \$8.99 million in proceeds generated
- Potential property tax impact of LY 2018 – LY 2019 increase on \$200,000 homeowner is approximately \$26.
- Approximate aggregate annual debt service:
 - LY 2019: \$4.75 million
 - LY 2020: \$4.72 million
 - LY 2021: \$4.68 million
 - LY 2022: \$4.62 million
 - LY 2023: \$4.62 million

**Existing and Proposed Debt Service
(Maximizing Debt Service Extension Base Through LY 2021)**



Restructuring debt may allow the District to achieve its financing objectives

- The District's referendum debt service increases in levy years 2023 through 2030
- If the District chooses to access its Debt Service Extension Base in those years, it may need to restructure some referendum debt service
- Call dates offer restructuring flexibility for the District. Applicable call dates on the District's referendum bonds include:
 - 2011B Bonds: 6/1/2021 Call Date
 - 2011D-1 Bonds: 12/1/2019 Call Date
 - 2011D-2 Bonds: 12/1/2021 Call Date
 - 2012B-1 Bonds: 12/1/2021 Call Date
 - 2012B-2 Bonds: 12/1/2021 Call Date
 - 2012D Bonds: 12/1/2022 Call Date

REFUNDING UPDATE

2011D-1 General Obligation Refunding School Bonds

- Currently all \$3,585,000 of the original bonds remain outstanding
- All \$3,585,000 is callable on 12/1/2019 @ par
- Weighted average interest rate on the outstanding bonds is 4.07%
- The 2011D-1 Bonds were issued to refund the District's 2011C-1 Bonds, which advance refunded the District's 2000 and 2003 Capital Appreciation Bonds
- The 2011D-1 Bonds, therefore, cannot be advance refunded prior to the call date on a tax-exempt basis

Debt Service Comparison

Date	Total P+I	=	New Net Debt Service	-	Old Net Debt Service	=	Savings
12/01/2019	28,964.44		28,964.44		28,964.44		-
12/01/2020	137,200.00		137,200.00		145,900.00		8,700.00
12/01/2021	137,200.00		137,200.00		145,900.00		8,700.00
12/01/2022	137,200.00		137,200.00		145,900.00		8,700.00
12/01/2023	137,200.00		137,200.00		145,900.00		8,700.00
12/01/2024	137,200.00		137,200.00		145,900.00		8,700.00
12/01/2025	137,200.00		137,200.00		145,900.00		8,700.00
12/01/2026	137,200.00		137,200.00		145,900.00		8,700.00
12/01/2027	137,200.00		137,200.00		145,900.00		8,700.00
12/01/2028	137,200.00		137,200.00		145,900.00		8,700.00
12/01/2029	1,062,200.00		1,062,200.00		1,145,900.00		83,700.00
12/01/2030	2,605,200.00		2,605,200.00		2,688,400.00		83,200.00
Total	\$4,931,164.44		\$4,931,164.44		\$5,176,364.44		\$245,200.00

PV Analysis Summary (Net to Net)

Gross PV Debt Service Savings

226,153.05

Net PV Cashflow Savings @ 3.427% (AIC)

226,153.05

Transfers from Prior Issue Debt Service Fund

(43,985.56)

Contingency or Rounding Amount

2,096.99

Net Present Value Benefit

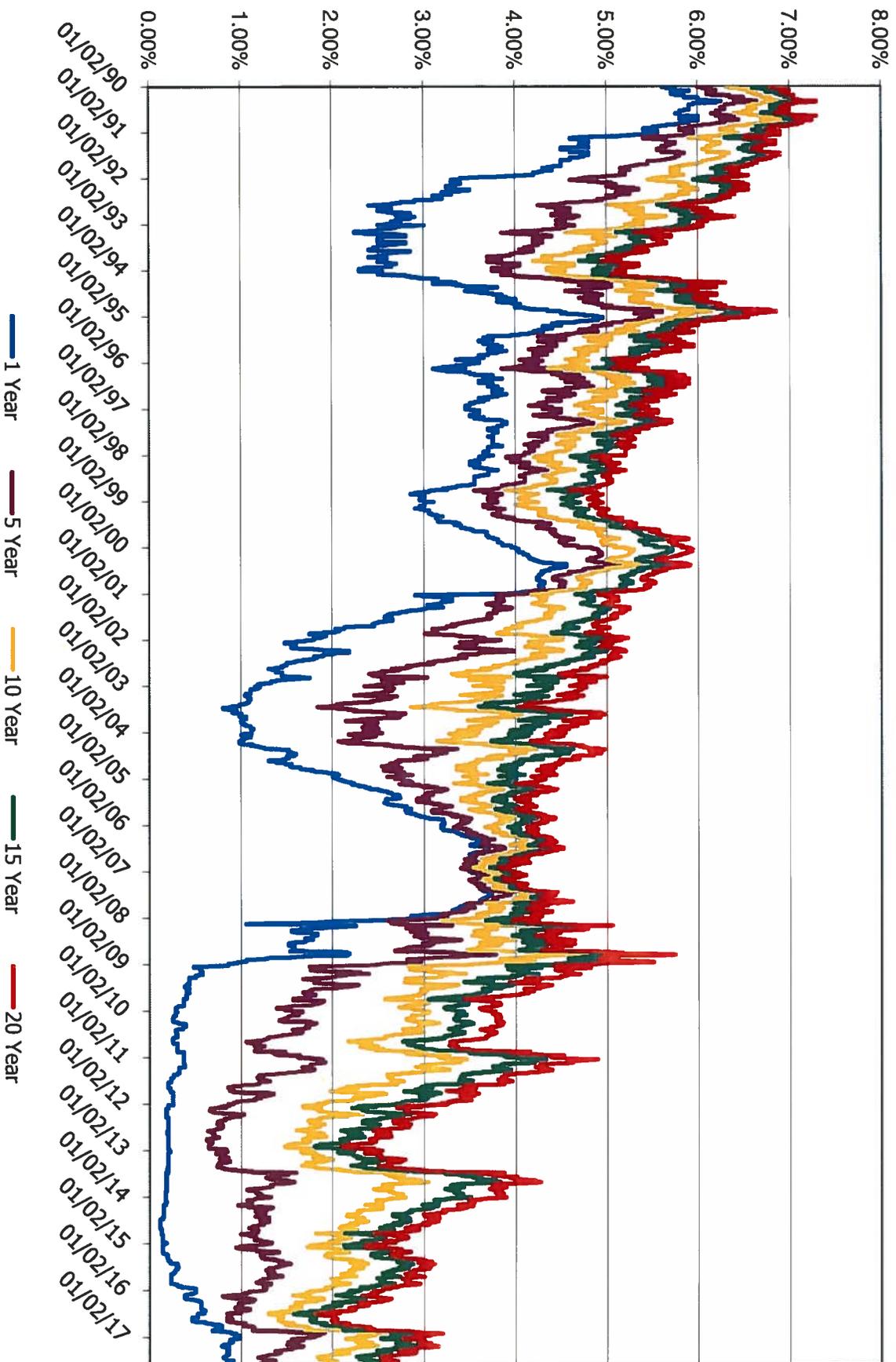
\$184,264.48

Net PV Benefit / \$3,585,000 Refunded Principal

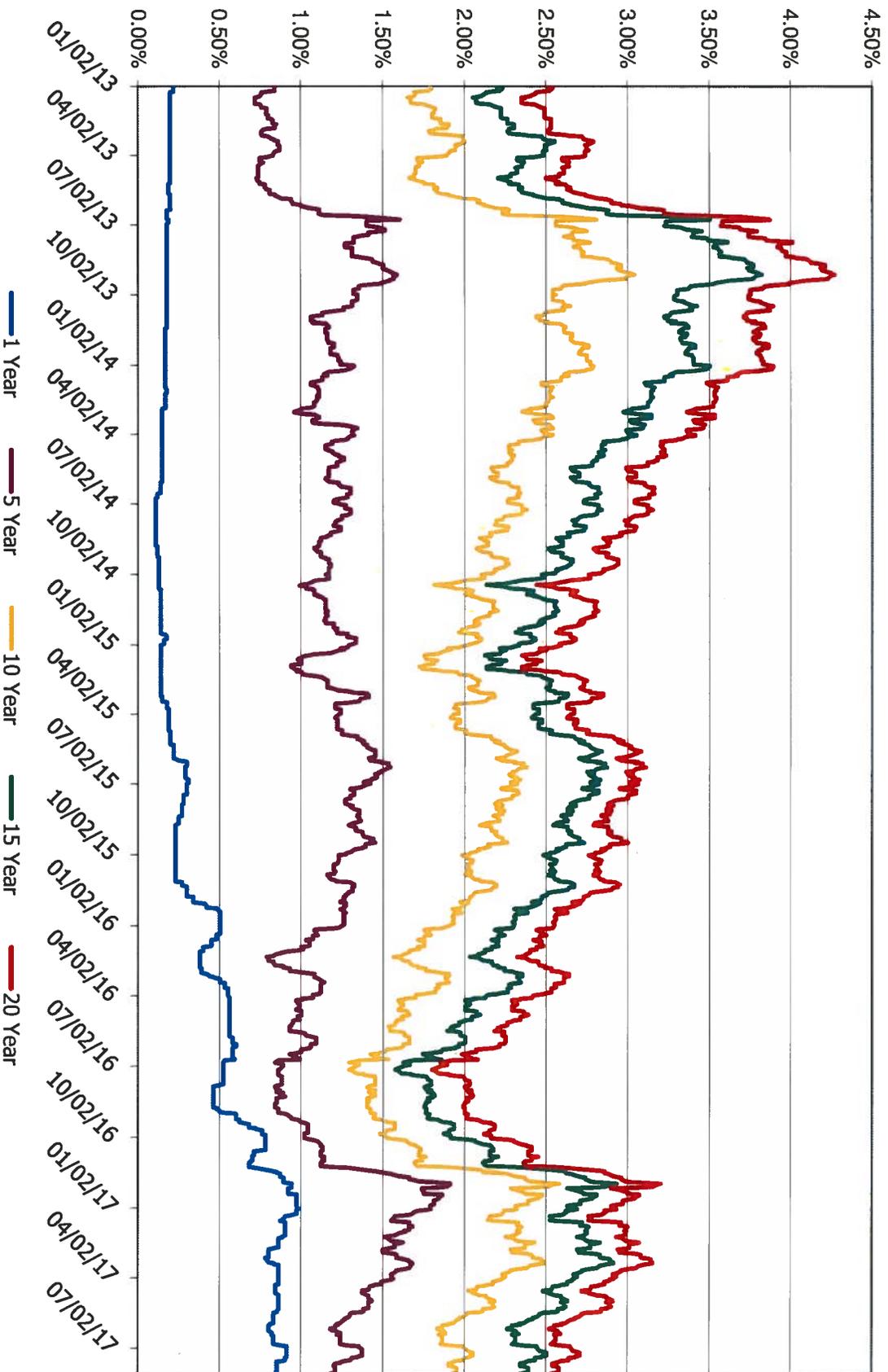
5.140%

MARKET UPDATE

HISTORICAL INTEREST RATES (JANUARY 1990 – PRESENT)



*The Municipal Market Data "MMD" is a AAA municipal bond market index produced by TM3. As of August 4, 2017.



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Anticipated Federal Reserve Activity

Meeting Dates	Hike Prob	Cut Prob	3) Add/Remove Rates											
			0.75-1	1-1.25	1.25-1.5	1.5-1.75	1.75-2	2-2.25	2.25-2.5	Calculated	Based on rate			
9/20/2017	5.6%	0.0%	0.0%	94.4%	5.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1/01/2017	10.3%	0.0%	0.0%	89.7%	10.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
2/13/2017	41.8%	0.0%	0.0%	58.2%	38.0%	3.7%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1/31/2018	42.2%	0.0%	0.0%	57.8%	38.1%	4.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
3/21/2018	60.9%	0.0%	0.0%	39.1%	44.5%	15.0%	1.4%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
5/02/2018	61.6%	0.0%	0.0%	38.4%	44.4%	15.5%	1.6%	1.6%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%
6/13/2018	69.5%	0.0%	0.0%	30.5%	43.2%	21.5%	4.5%	4.5%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%
8/01/2018	69.7%	0.0%	0.0%	30.3%	43.1%	21.6%	4.6%	4.6%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%
9/26/2018	75.1%	0.0%	0.0%	24.9%	40.8%	25.4%	7.6%	7.6%	1.2%	1.2%	0.1%	0.1%	0.1%	0.1%

- There is a 94.4% chance that the Federal Reserve will keep short-term interest rates at its current level at the next FOMC meeting in September
- There is a 38.0% probability that there will a 0.25% interest rate hike in December 2017

(1) Source: Bloomberg L.P as of August 8, 2017.

APPENDIX

- The IL School Code prescribes very specific methods for school districts to issue municipal bonds which are as follows:
- Types of General Obligation (GO) School Bonds
 - GO School Building Bonds
 - Authorized via referendum
 - Non-referendum GO Bonds
 - Described in more detail on the next two slides
- Other borrowing options mechanisms
 - Alternate revenue bonds
 - Debt or lease certificates
 - Capital leases
 - These three types of obligations are payable from operating dollars and not from a separate tax levy like a GO bond
- Tax Anticipation Warrants (TAWs) for short-term cash flow needs

- Since the District is subject to tax caps, the annual debt service (principal and interest) payments on non-referendum GO bonds are limited by the District's Debt Service Extension Base (DSEB)
- Original DSEB was determined in tax year 1994 and was equal to the amount of non-referendum debt service levied for that year
 - The types of non-referendum bonds are described on the next slide
- Public Act 96-0501, enacted in 2009, increases a district's DSEB annually by the Consumer Price Index (CPI)
 - Original DSEB: \$2,260,643
 - DSEB for levy year 2017: \$2,599,217

- The following types of non-referendum GO bonds are available to the District and the levy for these bonds needs to fit within the District's DSEB:
 - Working Cash (for capital projects or operating capital)
 - If for capital, funds are abated (permanent transfer) to the O&M fund and then transferred to the capital projects fund
 - Life Safety (issued in evidence of life safety approvals)
 - Funding (pays off a claim or liability like a land contract)
 - Tort
- All of these require a BINA (Bond Issue Notification Act) hearing
- Working Cash Bonds and Funding Bonds also require a back door referendum which is a 30-day petition process (10% of registered voters)

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WATER QUALITY TESTING

FOR

RIDGELAND SCHOOL DISTRICT 122

OAK LAWN, ILLINOIS

SEPTEMBER 16, 2017

PROJECT NUMBER: 17-18337



A DIVISION OF GALLAGHER BASSETT SERVICES, INC.

1550 Hubbard Ave., Batavia, IL 60510, 630-879-3006

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Appendix I: IDPH Guidelines

INTRODUCTION

Ridgeland School District 122 implemented a proactive program of water testing at the following schools:

- Harnew Elementary
- Lieb Elementary

Water sampling was conducted by Kathryn Hermann of Aires Consulting. Mr. Geoffrey J. Bacci II, P.E. designed the study and developed this report.

This report contains a summary of results. Individual reports are also issued by school building and contain sampling maps and laboratory data.

BACKGROUND INFORMATION

The Lead in Drinking Water Testing Bill (LDWTB) was signed into law by Governor Bruce Rauner effective January 17, 2017. The bill amends six (6) different Illinois Codes and Acts including:

- The Illinois School Code
- Illinois Plumbing License Law.

The LDWTB requires school buildings constructed prior to January 1, 2000 to test drinking water sources for lead and provide written notification of the results. The Bill also directs the Illinois department of Public Health (IDPH) to draft rules by 1/1/2018 which may have additional requirements. The IDPH has issued a guidance document for drinking water testing which is included in Appendix I. The following is a summary of those guidelines:

- All schools housing 5th grade and under built before 1/1/2000 must test drinking sources used for drinking and cooking.
- Results of tests that are 5 parts per billion (ppb) or less can be communicated to parents at minimum by website posting.

- Locations that have results over 5 ppb must be communicated in writing or electronically to affected parents. That communication should also include information on the USEPA website that parents can access for guidance. That website: <https://www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-drinking-water>

According to the LDWTB the testing and notification requirements apply only to covered sources which are:

- Drinking fountain and drinking sources in buildings for grade 5 and under
- Classroom sinks in grades below 1 (kindergarten and pre-kindergarten).

Aires recommends notification extends to all sources tested.

Lead most frequently gets into drinking water by leaching from plumbing materials and fixtures as water moves through a school's distribution system. Even though the drinking water you receive from your water supplier meets federal and state standards for lead and copper, your facility may have elevated lead levels due to plumbing materials and water use patterns. Leaching can occur for several reasons but the most significant is corrosion which can occur if water is acidic. Acidic water has a pH less than 7.0

Oak Lawn drinking water is supplied by groundwater wells.

Lead in new plumbing and plumbing repairs was banned in 1986. This ban did not entirely eliminate lead as 0.2% lead is still allowed in solder and 8% lead is allowed in piping systems. Pre-1986 plumbing systems have a higher potential to leach lead into drinking water.

Lead is a toxic metal that is harmful to human health. Young children, those 6 years and younger, are at particular risk for lead exposure because they have frequent hand-to-mouth activity and absorb lead more easily than do adults. Children's nervous systems are still undergoing development and thus are more susceptible to the effects of toxic agents. Lead is also harmful to the developing fetuses of pregnant women.

METHODOLOGY

Water testing followed protocol recommended by IDPH and the LDWTB. All water sources have two samples collected. The first collection at each source is a “first draw” sample. Water collection occurs in first draw samples after sources were unused for at least eight (8) hours but not more than 18 hrs. The second sample at that source is collected after 30 seconds of flushing. Each sample is given an identifier which begins with letters that identify the school. The middle letters identify the sample as a drinking fountain (WF), classroom sink (CS) or any other sink (S). Letters identify the sample location. An “A” after the letter indicates a first draw sample and a “B” identifies a flush sample. For example sample LS-13A was collected at location 13 at Lieb Elementary School and is a first draw sample at a sink. In certain locations where multiple outlets are present a “C” after the number can also denote a first draw sample from one of the outlets (i.e. water fountain with a bottle fill).

Samples were analyzed by Prairie Analytical Systems, Inc. Prairie Analytical is accredited by the National Environmental Laboratory Environmental Conference (NELAC).

The USEPA recommends taking action to reduce lead levels if sample results exceed 20 ppb. That action could include water treatment or fixture replacement.

Public water supplies are required by the Safe Drinking Water Act to take corrective action if 10% or more of their sources contain lead levels greater than 15 ppb.

RESULTS

The following locations are results that exceeded 5 ppb. Locations that exceeded the EPA action level of 20 ppb are shown in **bold print**.

Harnew Elementary - All results were non-detectable (<2 ppb)

Lieb Elementary

- LS-13A: first draw main office workroom sink – 7.11 ppb
- LWF-15A: first draw sample drinking fountain library – 5.46 ppb

- **LS-17A: first draw room 131 north side sink – 157 ppb**
- **LS-17B: flush room 131 north side sink cold – 144 ppb**
- **LS-17C: flush room 131 north side sink hot – 161 ppb**
- **LS-18A: first draw room 131 east side sink closest to door – 22.1 ppb**
- LCS-19A: first draw east side middle sink – 18.8 ppb
- **LCS-20A: first draw east side middle sink next to wall – 129**
- LCS-22A: first draw room 130 sink – 5.96 ppb

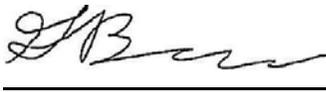
Parents with children in affected rooms that exceed 5 ppb must be notified within 7 days per IDPH guidelines. Remaining results must at minimum be posted on the Districts website. All sample results must be e mailed to IDPH within 7 days.

Sinks that exceed the EPA action level of 20 ppb should be labeled to avoid using as a drinking or cooking source. Additional site investigation is necessary to determine the source and remedy of elevated lead levels.

PROFESSIONAL CERTIFICATION

Aires Consulting, a division of Gallagher Bassett Services, Inc. conducted this study in the interest of **Ridgeland School District 122** to assist in meeting environmental obligations and regulations. In this respect, we hope the results of this study are useful. *This study was not intended to include every environmental exposure that may be present at the facility; only those items specifically addressed in the report were evaluated.* If you have any questions concerning this study please let us know.

Respectfully Submitted,



Geoffrey J. Bacci, II, PE
Director Operations

Sampling Protocol for Drinking Water in Schools



*A Guidance Document for
Drinking Water Testing*



- ❖ Schools must use an Illinois Environmental Protection Agency (IEPA) accredited laboratory for the testing.
- ❖ Schools must provide the Illinois Department of Public Health (IDPH) with sample results within 7 days of receipt. Results should be emailed to DPH.LeadH2O@illinois.gov.

SB 0550 was signed by Governor Bruce Rauner on January 16, 2017. It requires all schools (Pre-K through 5th grade) to test for lead in water used for drinking and cooking. Schools built after January 1, 2000 are not required to test at this time.

Sampling must be completed by:

- ❖ December 31, 2017 — Schools constructed prior to January 1, 1987
- ❖ December 31, 2018 — Schools constructed between January 2, 1987 and January 1, 2000



Action Steps Prior to Sampling

1. Your local water supply can be a great resource. Contact them to request assistance in establishing your sampling plan.
2. Obtain a general floor plan for each school building. Floor plans are available in the schools' asbestos management plan.
3. Identify all fixtures to be sampled on the general floor plan. All plumbing fixtures that are used for cooking or drinking must be sampled. Bathroom and utility sinks do not need to be sampled.
4. Assign a unique alphanumeric identifier to each fixture.
5. Label fixture identifiers on the floor plan. Make sure all samples are labeled with the corresponding alphanumeric identifier for each fixture.
6. Determine which IEPA accredited laboratory you will utilize for the analysis. A list can be found at <http://www.epa.illinois.gov/citizens/citizens-information/in-your-home/resources-on-lead/index>.
7. Contact the laboratory to obtain enough 250 mL sample bottles and Chain of Custody forms to allow you to collect 2 samples from each fixture. The laboratory will also provide sample shipping instructions.



Test Results

How to interpret your test results

1. Test results will be reported in either parts per billion (ppb) or micrograms per liter (ug/l). Both units of measure are appropriate.
2. If any sample exceeds 5 ppb of lead, the notification requirements are triggered.



Reporting and Notification Requirements

- ❖ Within 7 business days of receipt of test results, schools must email all results to IDPH at DPH.LeadH2O@illinois.gov.
- ❖ If all sample results are less than 5 ppb, schools may use their website (at minimum) to notify parents of the results.
- ❖ If any of the sample results exceed 5 ppb, schools must notify parents in writing or electronically, and include :
 - The location and source exceeding 5 ppb, and
 - 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>.

Parents should be advised to contact their health care provider with any concerns about their child's health, including blood tests for lead exposure.

Next Steps

Test results will likely generate questions from parents, guardians, and the public about steps the school is taking to address lead in water.

Removing fixtures from use may not be an immediate option. Establishment of a water management plan, including identification of lead-containing plumbing, scheduled flushing, fixture replacement, and monitoring is the best course of action for schools addressing positive lead test results.

Additional guidance for interim (short-term) and permanent lead control measures is provided in the USEPA 3Ts for Reducing Lead in Drinking Water in Schools. This document can be found at:

www.epa.gov/sites/production/files/201509/documents/toolkit_leadschools_guide_3ts_leadschools.pdf



The Illinois Department of Public Health supports the efforts of Illinois Section AWWA to educate schools about lead testing. For additional information see dph.illinois.gov.

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FOR

***RIDGELAND SCHOOL DISTRICT 122
LIEB***

OAK LAWN, ILLINOIS

SEPTEMBER 16, 2017

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Appendix I: Sample Locations and Sample Map

Appendix II: Laboratory Results

INTRODUCTION

Ridgeland School District 122 implemented a proactive program of water testing at the Lieb Elementary School. Water sampling was conducted by Kathryn Hermann of Aires Consulting on 9/16/2017. Mr. Geoffrey J. Bacci II, P.E. designed the study and developed this report.

All sampling methodology followed protocol required by The Lead in Drinking Water Testing Bill (LDWTB) and guidelines published by the Illinois Department of Public Health (IDPH). Detailed background information on testing requirements, methodology and lead health effects are included in the main report to the District that summarizes results and offers recommendations.

RESULTS

Field sheets identifying sample numbers and sample locations maps are included in Appendix I. Laboratory results are included in Appendix II.

The following locations exceeded 5 parts per billion (ppb). Locations that exceeded the EPA action level of 20 ppb are shown in **bold print**.

- LS-13A: first draw main office workroom sink – 7.11 ppb
- LWF-15A: first draw sample drinking fountain library – 5.46 ppb
- **LS-17A: first draw room 131 north side sink – 157 ppb**
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Geoffrey J. Bacci, II, PE
Director Operations

ISBE ID	Building ID	Building Description	Sample Date	Sample Time (12 HR Clock)	Collected By	Sample ID Number	Sample Location Description	Fixture Type	Date of Last Use	Time of Last Use (12 HR Clock)	Sample Type	Sample Volume (mL)	Laboratory Name	Analytical Method	Concentration (ug/L)	Reporting Limit (ug/L)	Notes
70161220022004			09/16/2017	09:33 AM	Kathryn Hermann	LS-1A	Rm.150 (Faculty Lounge)	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	09:34 AM	Kathryn Hermann	LS-1B	Rm.150(faculty Lounge)	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	09:35 AM	Kathryn Hermann	LCS-2A	Rm. 154	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	09:36 AM	Kathryn Hermann	LCS-2B	Rm. 154	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	09:37 AM	Kathryn Hermann	LS-3A	Bathroom (BR) in Rm. 154	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	09:38 AM	Kathryn Hermann	LS-3B	BR in Rm. 154	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	09:40 AM	Kathryn Hermann	LCS-4A	Rm. 159	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	09:41 AM	Kathryn Hermann	LCS-4B	Rm. 159	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	09:43 AM	Kathryn Hermann	LCS-5A	Rm. 161	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	3.20 ppb	2.00 ppb	
70161220022004			09/16/2017	09:44 AM	Kathryn Hermann	LCS-5B	Rm. 161	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	09:45 AM	Kathryn Hermann	LCS-6A	Rm. 163	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	09:46 AM	Kathryn Hermann	LCS-6B	Rm. 163	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	09:47 AM	Kathryn Hermann	LKS-7A	N. Side in Kitchen	KS - Kitchen Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	09:48 AM	Kathryn Hermann	LKS-7B	N. Side in Kitchen	KS - Kitchen Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	09:49 AM	Kathryn Hermann	LKS-8A	S. Side in Kitchen	KS - Kitchen Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	09:49 AM	Kathryn Hermann	LKS-8B	S. Side in Kitchen	KS - Kitchen Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	09:50 AM	Kathryn Hermann	LWF-9A	W. Side, Tall Across 160	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	09:50 AM	Kathryn Hermann	LWF-9B	W. Side, Tall Across 160	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	09:51 AM	Kathryn Hermann	LWF-10A	W. Side, Short Across 160	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	09:52 AM	Kathryn Hermann	LWF-10B	W. Side, Short Across 160	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	09:53 AM	Kathryn Hermann	LWF-11A	E. Side, Tall Across 160	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	09:54 AM	Kathryn Hermann	LWF-11B	E. Side, Tall Across 160	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	09:55 AM	Kathryn Hermann	LWF-12A	E. Side, Short Across 160	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	09:56 AM	Kathryn Hermann	LWF-12B	E. Side, Short Across 160	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:00 AM	Kathryn Hermann	LS-13A	Workroom in Main Office	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	7.11 ppb	2.00 ppb	
70161220022004			09/16/2017	10:01 AM	Kathryn Hermann	LS-13B	Workroom in Main Office	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:03 AM	Kathryn Hermann	LS-14A	Kitchen in Main Office	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:04 AM	Kathryn Hermann	LS-14B	Kitchen in Main Office	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:06 AM	Kathryn Hermann	LWF-15A	Library	DF - Drinking Fountain	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	5.46 ppb	2.00 ppb	
70161220022004			09/16/2017	10:07 AM	Kathryn Hermann	LWF-15B	Library	DF - Drinking Fountain	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:08 AM	Kathryn Hermann	LS-16A	Workroom 127	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	4.43 ppb	2.00 ppb	
70161220022004			09/16/2017	10:09 AM	Kathryn Hermann	LS-16B	Workroom 127	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:10 AM	Kathryn Hermann	LS-17A	N. Side in Rm. 131	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	157 ppb	2.00 ppb	
70161220022004			09/16/2017	10:11 AM	Kathryn Hermann	LS-17B	N. Side in Rm. 131	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	144 ppb	2.00 ppb	
70161220022004			09/16/2017	10:12 AM	Kathryn Hermann	LS-17C	N. Side in Rm. 131	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	161 ppb	2.00 ppb	
70161220022004			09/16/2017	10:13 AM	Kathryn Hermann	LCS-18A	Rm 131, E. Side, Closest to door	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	22.1 ppb	2.00 ppb	
70161220022004			09/16/2017	10:14 AM	Kathryn Hermann	LCS-18B	Rm 131, E. Side, Closest to door	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	2.40 ppb	2.00 ppb	
70161220022004			09/16/2017	10:15 AM	Kathryn Hermann	LCS-19A	Rm 131, E. Side, middle	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	18.8 ppb	2.00 ppb	
70161220022004			09/16/2017	10:16 AM	Kathryn Hermann	LCS-19B	Rm 131, E. Side, middle	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	2.21 ppb	2.00 ppb	
70161220022004			09/16/2017	10:17 AM	Kathryn Hermann	LCS-20A	Rm 131, E. Side, middle next to wall	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	129 ppb	2.00 ppb	
70161220022004			09/16/2017	10:18 AM	Kathryn Hermann	LCS-20B	Rm 131, E. Side, middle next to wall	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	2.44 ppb	2.00 ppb	
70161220022004			09/16/2017	10:19 AM	Kathryn Hermann	LCS-21A	Rm 131, E. Side, furthest from door	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	2.05 ppb	2.00 ppb	
70161220022004			09/16/2017	10:20 AM	Kathryn Hermann	LCS-21B	Rm 131, E. Side, furthest from door	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:23 AM	Kathryn Hermann	LCS-22A	Rm. 130	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	5.96 ppb	2.00 ppb	
70161220022004			09/16/2017	10:24 AM	Kathryn Hermann	LCS-22B	Rm. 130	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:26 AM	Kathryn Hermann	LCS-23A	Rm. 134	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:27 AM	Kathryn Hermann	LCS-23B	Rm. 134	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:28 AM	Kathryn Hermann	LCS-24A	BR in Rm. 134	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:29 AM	Kathryn Hermann	LCS-24B	BR in Rm. 134	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:31 AM	Kathryn Hermann	LKS-25A	Rm. 125 (kitchen)	KS - Kitchen Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:32 AM	Kathryn Hermann	LKS-25B	Rm. 125 (kitchen)	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:33 AM	Kathryn Hermann	LWF-26A	Tall WF, across Rm.142	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:34 AM	Kathryn Hermann	LWF-26B	Tall WF, across Rm.142	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:35 AM	Kathryn Hermann	LWF-27A	Short WF, across Rm.142	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:36 AM	Kathryn Hermann	LWF-27B	Short WF, across Rm.142	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:37 AM	Kathryn Hermann	LWF-28A	Short WF, across Rm.144	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:38 AM	Kathryn Hermann	LWF-28B	Short WF, across Rm.144	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:39 AM	Kathryn Hermann	LWF-29A	Tall WF, across Rm.144	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:40 AM	Kathryn Hermann	LWF-29B	Tall WF, across Rm.144	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:43 AM	Kathryn Hermann	LWF-30A	Tall WF, across Rm.242	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:44 AM	Kathryn Hermann	LWF-30B	Tall WF, across Rm.242	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:45 AM	Kathryn Hermann	LWF-31A	Short WF, across Rm.242	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:46 AM	Kathryn Hermann	LWF-31B	Short WF, across Rm.242	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:47 AM	Kathryn Hermann	LWF-32A	Short WF, across Rm.244	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:48 AM	Kathryn Hermann	LWF-32B	Short WF, across Rm.244	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:49 AM	Kathryn Hermann	LWF-33A	Tall WF, across Rm.244	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004			09/16/2017	10:50 AM	Kathryn Hermann	LWF-33B	Tall WF, across Rm.244	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
70161220022004																	



Monday, October 2, 2017

Geoff Bacci II
 Aires Consulting Group
 1550 Hubbard Ave.
 Batavia, IL 60510
 TEL: (630) 879-3006
 FAX: (630) 879-3014

RE: 17-18337 Ridgeland SD/ George Lieb Elementary

PAS WO: 1710490

Prairie Analytical Systems, Inc. received 70 sample(s) on 9/18/2017 for the analyses presented in the following report.

All applicable quality control procedures met method specific acceptance criteria unless otherwise noted.

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If you have any questions, please feel free to contact me at (224) 253-1348.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Christina E. Pierce".

Christina E. Pierce
 Project Manager

Certifications: NELAP/NELAC - IL #100323

1210 Capital Airport Drive	*	Springfield, IL 62707	*	1.217.753.1148	*	1.217.753.1152 Fax
9114 Virginia Road Suite #112	*	Lake in the Hills, IL 60156	*	1.847.651.2604	*	1.847.458.0538 Fax

Prairie Analytical Systems, Inc.

Date: 10/2/2017

LABORATORY RESULTS

Client: Aires Consulting Group
 Project: 17-18337 Ridgeland SD/ George Lieb Elementary
 Client Sample ID: LS-1A
 Collection Date: 9/16/17 9:33

Lab Order: 17I0490
 Lab ID: 17I0490-01
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:46	9/28/17 21:05	EPA200.8	LAH

Client Sample ID: LS-1B
 Collection Date: 9/16/17 9:34

Lab ID: 17I0490-02
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:46	9/28/17 21:08	EPA200.8	LAH

Client Sample ID: LCS-2A
 Collection Date: 9/16/17 9:35

Lab ID: 17I0490-03
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:46	9/28/17 21:11	EPA200.8	LAH

Client Sample ID: LCS-2B
 Collection Date: 9/16/17 9:36

Lab ID: 17I0490-04
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:46	9/28/17 21:28	EPA200.8	LAH

Client Sample ID: LS-3A
 Collection Date: 9/16/17 9:37

Lab ID: 17I0490-05
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:46	9/28/17 21:31	EPA200.8	LAH

Client Sample ID: LS-3B
 Collection Date: 9/16/17 9:38

Lab ID: 17I0490-06
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:46	9/28/17 21:34	EPA200.8	LAH

Client Sample ID: LCS-4A
 Collection Date: 9/16/17 9:40

Lab ID: 17I0490-07
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:46	9/28/17 21:36	EPA200.8	LAH

Prairie Analytical Systems, Inc.

Date: 10/2/2017

LABORATORY RESULTS

Client:	Aires Consulting Group					Lab Order:	17I0490			
Project:	17-18337 Ridgeland SD/ George Lieb Elementary									
Client Sample ID:	LCS-4B					Lab ID:	17I0490-08			
Collection Date:	9/16/17 9:41					Matrix:	Drinking Water			
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	9/28/17 12:46	9/28/17 21:39	EPA200.8	LAH	
Client Sample ID:	LCS-5A					Lab ID:	17I0490-09			
Collection Date:	9/16/17 9:43					Matrix:	Drinking Water			
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	3.20	2.00		µg/L	1	9/28/17 12:46	9/28/17 21:42	EPA200.8	LAH	
Client Sample ID:	LCS-5B					Lab ID:	17I0490-10			
Collection Date:	9/16/17 9:44					Matrix:	Drinking Water			
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	9/28/17 12:46	9/28/17 21:45	EPA200.8	LAH	
Client Sample ID:	LCS-6A					Lab ID:	17I0490-11			
Collection Date:	9/16/17 9:45					Matrix:	Drinking Water			
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	9/28/17 12:46	9/28/17 21:48	EPA200.8	LAH	
Client Sample ID:	LCS-6B					Lab ID:	17I0490-12			
Collection Date:	9/16/17 9:46					Matrix:	Drinking Water			
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	9/28/17 12:46	9/28/17 21:51	EPA200.8	LAH	
Client Sample ID:	LKS-7A					Lab ID:	17I0490-13			
Collection Date:	9/16/17 9:47					Matrix:	Drinking Water			
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	9/28/17 12:49	9/28/17 22:08	EPA200.8	LAH	
Client Sample ID:	LKS-7B					Lab ID:	17I0490-14			
Collection Date:	9/16/17 9:48					Matrix:	Drinking Water			
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	9/28/17 12:49	9/28/17 22:17	EPA200.8	LAH	

Prairie Analytical Systems, Inc.

Date: 10/2/2017

LABORATORY RESULTS

Client: Aires Consulting Group
Project: 17-18337 Ridgeland SD/ George Lieb Elementary
Client Sample ID: LKS-7B
Collection Date: 9/16/17 9:48

Lab Order: 17I0490
Lab ID: 17I0490-14
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Client Sample ID: LKS-8A
Collection Date: 9/16/17 9:49

Lab ID: 17I0490-15
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Metals by ICP-MS

*Lead	U	2.00		µg/L	1	9/28/17 12:49	9/28/17 22:20	EPA200.8	LAH
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Client Sample ID: LKS-8B
Collection Date: 9/16/17 9:49

Lab ID: 17I0490-16
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Metals by ICP-MS

*Lead	U	2.00		µg/L	1	9/28/17 12:49	9/28/17 22:22	EPA200.8	LAH
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Client Sample ID: LWF-9A
Collection Date: 9/16/17 9:50

Lab ID: 17I0490-17
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Metals by ICP-MS

*Lead	U	2.00		µg/L	1	9/28/17 12:49	9/28/17 22:25	EPA200.8	LAH
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Client Sample ID: LWF-9B
Collection Date: 9/16/17 9:50

Lab ID: 17I0490-18
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Metals by ICP-MS

*Lead	U	2.00		µg/L	1	9/28/17 12:49	9/28/17 22:28	EPA200.8	LAH
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Client Sample ID: LWF-10A
Collection Date: 9/16/17 9:51

Lab ID: 17I0490-19
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Metals by ICP-MS

*Lead	U	2.00		µg/L	1	9/28/17 12:49	9/28/17 22:31	EPA200.8	LAH
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Client Sample ID: LWF-10B
Collection Date: 9/16/17 9:52

Lab ID: 17I0490-20
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Metals by ICP-MS

*Lead	U	2.00		µg/L	1	9/28/17 12:49	9/28/17 22:45	EPA200.8	LAH
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Prairie Analytical Systems, Inc.

Date: 10/2/2017

LABORATORY RESULTS

Client: Aires Consulting Group
 Project: 17-18337 Ridgeland SD/ George Lieb Elementary
 Client Sample ID: LWF-11A
 Collection Date: 9/16/17 9:53

Lab Order: 17I0490
 Lab ID: 17I0490-21
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:49	9/28/17 22:48	EPA200.8	LAH

Client Sample ID: LWF-11B
 Collection Date: 9/16/17 9:54

Lab ID: 17I0490-22
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:49	9/28/17 22:51	EPA200.8	LAH

Client Sample ID: LWF-12A
 Collection Date: 9/16/17 9:55

Lab ID: 17I0490-23
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:49	9/28/17 22:54	EPA200.8	LAH

Client Sample ID: LWF-12B
 Collection Date: 9/16/17 9:56

Lab ID: 17I0490-24
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:49	9/28/17 23:03	EPA200.8	LAH

Client Sample ID: LS-13A
 Collection Date: 9/16/17 10:00

Lab ID: 17I0490-25
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	7.11	2.00		µg/L	1	9/28/17 12:49	9/28/17 23:05	EPA200.8	LAH

Client Sample ID: LS-13B
 Collection Date: 9/16/17 10:01

Lab ID: 17I0490-26
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:49	9/28/17 23:08	EPA200.8	LAH

Client Sample ID: LS-14A
 Collection Date: 9/16/17 10:03

Lab ID: 17I0490-27
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:49	9/28/17 23:11	EPA200.8	LAH

Prairie Analytical Systems, Inc.

Date: 10/2/2017

LABORATORY RESULTS

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Client: Aires Consulting Group									
Project: 17-18337 Ridgeland SD/ George Lieb Elementary					Lab Order: 17I0490				
Client Sample ID: LS-14B									
Collection Date: 9/16/17 10:04					Lab ID: 17I0490-28				
Matrix: Drinking Water									
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:49	9/28/17 23:23	EPA200.8	LAH
Client Sample ID: LWF-15A									
Collection Date: 9/16/17 10:06					Lab ID: 17I0490-29				
Matrix: Drinking Water									
Metals by ICP-MS									
*Lead	5.46	2.00		µg/L	1	9/28/17 12:49	9/28/17 23:26	EPA200.8	LAH
Client Sample ID: LWF-15B									
Collection Date: 9/16/17 10:07					Lab ID: 17I0490-30				
Matrix: Drinking Water									
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:49	9/28/17 23:29	EPA200.8	LAH
Client Sample ID: LS-16A									
Collection Date: 9/16/17 10:08					Lab ID: 17I0490-31				
Matrix: Drinking Water									
Metals by ICP-MS									
*Lead	4.43	2.00		µg/L	1	9/28/17 12:49	9/28/17 23:31	EPA200.8	LAH
Client Sample ID: LS-16B									
Collection Date: 9/16/17 10:09					Lab ID: 17I0490-32				
Matrix: Drinking Water									
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:49	9/28/17 23:34	EPA200.8	LAH
Client Sample ID: LS-17A									
Collection Date: 9/16/17 10:10					Lab ID: 17I0490-33				
Matrix: Drinking Water									
Metals by ICP-MS									
*Lead	157	2.00		µg/L	1	9/28/17 12:50	9/28/17 23:43	EPA200.8	LAH
Client Sample ID: LS-17B									
Collection Date: 9/16/17 10:11					Lab ID: 17I0490-34				
Matrix: Drinking Water									
Metals by ICP-MS									
*Lead	144	2.00		µg/L	1	9/28/17 12:50	9/29/17 0:00	EPA200.8	LAH

Prairie Analytical Systems, Inc.

Date: 10/2/2017

LABORATORY RESULTS

Client: Aires Consulting Group
Project: 17-18337 Ridgeland SD/ George Lieb Elementary
Client Sample ID: LS-17B
Collection Date: 9/16/17 10:11

Lab Order: 17I0490
Lab ID: 17I0490-34
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Client Sample ID: LS-17C
Collection Date: 9/16/17 10:12

Lab ID: 17I0490-35
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Metals by ICP-MS

*Lead	161	2.00		µg/L	1	9/28/17 12:50	9/29/17 0:03	EPA200.8	LAH
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Client Sample ID: LCS-18A
Collection Date: 9/16/17 10:13

Lab ID: 17I0490-36
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Metals by ICP-MS

*Lead	22.1	2.00		µg/L	1	9/28/17 12:50	9/29/17 0:06	EPA200.8	LAH
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Client Sample ID: LCS-18B
Collection Date: 9/16/17 10:14

Lab ID: 17I0490-37
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Metals by ICP-MS

*Lead	2.40	2.00		µg/L	1	9/28/17 12:50	9/29/17 0:09	EPA200.8	LAH
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Client Sample ID: LCS-19A
Collection Date: 9/16/17 10:15

Lab ID: 17I0490-38
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Metals by ICP-MS

*Lead	18.8	2.00		µg/L	1	9/28/17 12:50	9/29/17 0:12	EPA200.8	LAH
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Client Sample ID: LCS-19B
Collection Date: 9/16/17 10:16

Lab ID: 17I0490-39
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Metals by ICP-MS

*Lead	2.21	2.00		µg/L	1	9/28/17 12:50	9/29/17 0:14	EPA200.8	LAH
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Client Sample ID: LCS-20A
Collection Date: 9/16/17 10:17

Lab ID: 17I0490-40
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Metals by ICP-MS

*Lead	129	2.00		µg/L	1	9/29/17 8:45	9/29/17 20:29	EPA200.8	LAH
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Prairie Analytical Systems, Inc.

Date: 10/2/2017

LABORATORY RESULTS

Client: Aires Consulting Group
 Project: 17-18337 Ridgeland SD/ George Lieb Elementary
 Client Sample ID: LCS-20B
 Collection Date: 9/16/17 10:18

Lab Order: 17I0490
 Lab ID: 17I0490-41
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	2.44	2.00		µg/L	1	9/28/17 12:50	9/29/17 0:17	EPA200.8	LAH

Client Sample ID: LCS-21A
 Collection Date: 9/16/17 10:19

Lab ID: 17I0490-42
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	2.05	2.00		µg/L	1	9/28/17 12:50	9/29/17 0:20	EPA200.8	LAH

Client Sample ID: LCS-21B
 Collection Date: 9/16/17 10:20

Lab ID: 17I0490-43
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:50	9/29/17 0:23	EPA200.8	LAH

Client Sample ID: LCS-22A
 Collection Date: 9/16/17 10:23

Lab ID: 17I0490-44
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	5.96	2.00		µg/L	1	9/28/17 12:50	9/29/17 10:41	EPA200.8	LAH

Client Sample ID: LCS-22B
 Collection Date: 9/16/17 10:24

Lab ID: 17I0490-45
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:50	9/29/17 0:46	EPA200.8	LAH

Client Sample ID: LCS-23A
 Collection Date: 9/16/17 10:26

Lab ID: 17I0490-46
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:50	9/29/17 0:49	EPA200.8	LAH

Client Sample ID: LCS-23B
 Collection Date: 9/16/17 10:27

Lab ID: 17I0490-47
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:50	9/29/17 0:52	EPA200.8	LAH

Prairie Analytical Systems, Inc.

Date: 10/2/2017

LABORATORY RESULTS

Client:	Aires Consulting Group					Lab Order:	17I0490			
Project:	17-18337 Ridgeland SD/ George Lieb Elementary									
Client Sample ID:	LCS-24A					Lab ID:	17I0490-48			
Collection Date:	9/16/17 10:28					Matrix:	Drinking Water			
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	9/28/17 12:50	9/29/17 0:54	EPA200.8	LAH	
Client Sample ID:	LCS-24B					Lab ID:	17I0490-49			
Collection Date:	9/16/17 10:29					Matrix:	Drinking Water			
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	9/28/17 12:50	9/29/17 0:57	EPA200.8	LAH	
Client Sample ID:	LKS-25A					Lab ID:	17I0490-50			
Collection Date:	9/16/17 10:31					Matrix:	Drinking Water			
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	9/28/17 12:50	9/29/17 1:00	EPA200.8	LAH	
Client Sample ID:	LKS-25B					Lab ID:	17I0490-51			
Collection Date:	9/16/17 10:32					Matrix:	Drinking Water			
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	9/28/17 12:50	9/29/17 1:03	EPA200.8	LAH	
Client Sample ID:	LWF-26A					Lab ID:	17I0490-52			
Collection Date:	9/16/17 10:33					Matrix:	Drinking Water			
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	9/28/17 12:50	9/29/17 1:06	EPA200.8	LAH	
Client Sample ID:	LWF-26B					Lab ID:	17I0490-53			
Collection Date:	9/16/17 10:34					Matrix:	Drinking Water			
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	9/28/17 12:50	9/29/17 1:17	EPA200.8	LAH	
Client Sample ID:	LWF-27A					Lab ID:	17I0490-54			
Collection Date:	9/16/17 10:35					Matrix:	Drinking Water			
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	9/28/17 12:55	9/29/17 1:26	EPA200.8	LAH	

Prairie Analytical Systems, Inc.

Date: 10/2/2017

LABORATORY RESULTS

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Client: Aires Consulting Group									
Project: 17-18337 Ridgeland SD/ George Lieb Elementary									
Client Sample ID: LWF-27A									
Collection Date: 9/16/17 10:35									
Lab Order: 17I0490									
Lab ID: 17I0490-54									
Matrix: Drinking Water									
Client Sample ID: LWF-27B									
Collection Date: 9/16/17 10:36									
Lab ID: 17I0490-55									
Matrix: Drinking Water									
Analyses									
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:55	9/29/17 1:34	EPA200.8	LAH
Client Sample ID: LWF-28A									
Collection Date: 9/16/17 10:37									
Lab ID: 17I0490-56									
Matrix: Drinking Water									
Analyses									
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:55	9/29/17 1:37	EPA200.8	LAH
Client Sample ID: LWF-28B									
Collection Date: 9/16/17 10:38									
Lab ID: 17I0490-57									
Matrix: Drinking Water									
Analyses									
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:55	9/29/17 1:40	EPA200.8	LAH
Client Sample ID: LWF-29A									
Collection Date: 9/16/17 10:39									
Lab ID: 17I0490-58									
Matrix: Drinking Water									
Analyses									
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:55	9/29/17 1:43	EPA200.8	LAH
Client Sample ID: LWF-29B									
Collection Date: 9/16/17 10:40									
Lab ID: 17I0490-59									
Matrix: Drinking Water									
Analyses									
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:55	9/29/17 1:54	EPA200.8	LAH
Client Sample ID: LWF-30A									
Collection Date: 9/16/17 10:43									
Lab ID: 17I0490-60									
Matrix: Drinking Water									
Analyses									
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:55	9/29/17 1:57	EPA200.8	LAH

Prairie Analytical Systems, Inc.

Date: 10/2/2017

LABORATORY RESULTS

Client: Aires Consulting Group
 Project: 17-18337 Ridgeland SD/ George Lieb Elementary
 Client Sample ID: LWF-30B
 Collection Date: 9/16/17 10:44

Lab Order: 17I0490
 Lab ID: 17I0490-61
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:55	9/29/17 2:00	EPA200.8	LAH

Client Sample ID: LWF-31A
 Collection Date: 9/16/17 10:45

Lab ID: 17I0490-62
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:55	9/29/17 2:03	EPA200.8	LAH

Client Sample ID: LWF-31B
 Collection Date: 9/16/17 10:46

Lab ID: 17I0490-63
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:55	9/29/17 2:06	EPA200.8	LAH

Client Sample ID: LWF-32A
 Collection Date: 9/16/17 10:47

Lab ID: 17I0490-64
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:55	9/29/17 2:09	EPA200.8	LAH

Client Sample ID: LWF-32B
 Collection Date: 9/16/17 10:48

Lab ID: 17I0490-65
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:55	9/29/17 2:17	EPA200.8	LAH

Client Sample ID: LWF-33A
 Collection Date: 9/16/17 10:49

Lab ID: 17I0490-66
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:55	9/29/17 2:20	EPA200.8	LAH

Client Sample ID: LWF-33B
 Collection Date: 9/16/17 10:50

Lab ID: 17I0490-67
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:55	9/29/17 2:34	EPA200.8	LAH

Prairie Analytical Systems, Inc.

Date: 10/2/2017

LABORATORY RESULTS

Client:	Aires Consulting Group								
Project:	17-18337 Ridgeland SD/ George Lieb Elementary		Lab Order: 17I0490						
Client Sample ID:	LS-34A		Lab ID: 17I0490-68						
Collection Date:	9/16/17 10:54		Matrix: Drinking Water						
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	2.20	2.00		µg/L	1	9/28/17 12:55	9/29/17 2:37	EPA200.8	LAH
Client Sample ID:	LS-34B		Lab ID: 17I0490-69						
Collection Date:	9/16/17 10:56		Matrix: Drinking Water						
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:55	9/29/17 2:40	EPA200.8	LAH
Client Sample ID:	LIF		Lab ID: 17I0490-70						
Collection Date:	9/16/17 11:06		Matrix: Drinking Water						
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:55	9/29/17 2:43	EPA200.8	LAH
Conventional Chemistry Parameters									
pH	8.18	0.0100		pH Units	1	9/16/17 11:06	9/16/17 11:06	EPA150.1	

Prairie Analytical Systems, Inc.

Date: 10/2/2017

LABORATORY RESULTS

Client: Aires Consulting Group

Project: 17-18337 Ridgeland SD/ George Lieb Elementary

Lab Order: 17I0490

Metals by ICP-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A005991 - EPA 200.8 Metals**Blank (A005991-BLK1)**

Prepared & Analyzed: 09/28/201

Lead U 2.00 µg/L

LCS (A005991-BS1)

Prepared & Analyzed: 09/28/201

Lead 490 2.00 µg/L 500.00 98 85-115

Matrix Spike (A005991-MS1)

Source: 17I0454-41

Prepared & Analyzed: 09/28/201

Lead 502 2.00 µg/L 500.00 0.274 100 75-125

Matrix Spike (A005991-MS2)

Source: 17I0490-03

Prepared & Analyzed: 09/28/201

Lead 504 2.00 µg/L 500.00 1.65 101 75-125

Matrix Spike Dup (A005991-MSD1)

Source: 17I0454-41

Prepared & Analyzed: 09/28/201

Lead 502 2.00 µg/L 500.00 0.274 100 75-125 0.05 20

Matrix Spike Dup (A005991-MSD2)

Source: 17I0490-03

Prepared & Analyzed: 09/28/201

Lead 508 2.00 µg/L 500.00 1.65 101 75-125 0.7 20

Batch A005992 - EPA 200.8 Metals**Blank (A005992-BLK1)**

Prepared & Analyzed: 09/28/201

Lead U 2.00 µg/L

LCS (A005992-BS1)

Prepared & Analyzed: 09/28/201

Lead 502 2.00 µg/L 500.00 100 85-115

Matrix Spike (A005992-MS1)

Source: 17I0490-13

Prepared & Analyzed: 09/28/201

Lead 503 2.00 µg/L 500.00 0.879 101 75-125

Prairie Analytical Systems, Inc.

Date: 10/2/2017

LABORATORY RESULTS

Client: Aires Consulting Group

Project: 17-18337 Ridgeland SD/ George Lieb Elementary

Lab Order: 17I0490

Metals by ICP-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A005992 - EPA 200.8 Metals

Matrix Spike (A005992-MS2)		Source: 17I0490-23			Prepared & Analyzed: 09/28/201					
Lead	505	2.00	µg/L	500.00	0.0538	101	75-125			
Matrix Spike Dup (A005992-MSD1)		Source: 17I0490-13			Prepared & Analyzed: 09/28/201					
Lead	498	2.00	µg/L	500.00	0.879	99	75-125	1	20	
Matrix Spike Dup (A005992-MSD2)		Source: 17I0490-23			Prepared & Analyzed: 09/28/201					
Lead	504	2.00	µg/L	500.00	0.0538	101	75-125	0.3	20	

Batch A005993 - EPA 200.8 Metals

Blank (A005993-BLK1)					Prepared & Analyzed: 09/28/201					
Lead	U	2.00	µg/L							
LCS (A005993-BS1)					Prepared & Analyzed: 09/28/201					
Lead	502	2.00	µg/L	500.00		100	85-115			
Matrix Spike (A005993-MS1)		Source: 17I0490-33			Prepared & Analyzed: 09/28/201					
Lead	664	2.00	µg/L	500.00	157	101	75-125			
Matrix Spike (A005993-MS2)		Source: 17I0490-44			Prepared: 09/28/201 Analyzed: 09/29/201					
Lead	507	2.00	µg/L	500.00	5.96	100	75-125			
Matrix Spike Dup (A005993-MSD1)		Source: 17I0490-33			Prepared & Analyzed: 09/28/201					
Lead	658	2.00	µg/L	500.00	157	100	75-125	0.9	20	
Matrix Spike Dup (A005993-MSD2)		Source: 17I0490-44			Prepared: 09/28/201 Analyzed: 09/29/201					
Lead	512	2.00	µg/L	500.00	5.96	101	75-125	0.9	20	

Prairie Analytical Systems, Inc.

Date: 10/2/2017

LABORATORY RESULTS

Client: Aires Consulting Group

Project: 17-18337 Ridgeland SD/ George Lieb Elementary

Lab Order: 17I0490

Metals by ICP-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A005994 - EPA 200.8 Metals

Blank (A005994-BLK1)

Prepared: 09/28/201 Analyzed: 09/29/201

Lead U 2.00 µg/L

LCS (A005994-BS1)

Prepared: 09/28/201 Analyzed: 09/29/201

Lead 500 2.00 µg/L 500.00 100 85-115

Matrix Spike (A005994-MS1)

Source: 17I0490-54

Prepared: 09/28/201 Analyzed: 09/29/201

Lead 505 2.00 µg/L 500.00 0.133 101 75-125

Matrix Spike (A005994-MS2)

Source: 17I0490-64

Prepared: 09/28/201 Analyzed: 09/29/201

Lead 509 2.00 µg/L 500.00 0.0744 102 75-125

Matrix Spike Dup (A005994-MSD1)

Source: 17I0490-54

Prepared: 09/28/201 Analyzed: 09/29/201

Lead 528 2.00 µg/L 500.00 0.133 106 75-125 4 20

Matrix Spike Dup (A005994-MSD2)

Source: 17I0490-64

Prepared: 09/28/201 Analyzed: 09/29/201

Lead 505 2.00 µg/L 500.00 0.0744 101 75-125 0.8 20

Batch A006033 - EPA 200.8 Metals

Blank (A006033-BLK1)

Prepared & Analyzed: 09/29/201

Lead U 2.00 µg/L

LCS (A006033-BS1)

Prepared & Analyzed: 09/29/201

Lead 471 2.00 µg/L 500.00 94 85-115

Matrix Spike (A006033-MS1)

Source: 17I0499-17

Prepared & Analyzed: 09/29/201

Lead 494 2.00 µg/L 500.00 55.7 88 75-125

Prairie Analytical Systems, Inc.

Date: 10/2/2017

LABORATORY RESULTS

Client: Aires Consulting Group

Project: 17-18337 Ridgeland SD/ George Lieb Elementary

Lab Order: 17I0490

Metals by ICP-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A006033 - EPA 200.8 Metals

Matrix Spike Dup (A006033-MSD1)

Source: 17I0499-17

Prepared & Analyzed: 09/29/201

Lead	503	2.00	µg/L	500.00	55.7	89	75-125	2	20	
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Prairie Analytical Systems, Inc.**Date:** 10/2/2017

LABORATORY RESULTS**Client:** Aires Consulting Group**Project:** 17-18337 Ridgeland SD/ George Lieb Elementary**Lab Order:** 17I0490

Notes and Definitions

* NELAC certified compound.

U Analyte not detected (i.e. less than RL or MDL).

Chain of Custody Record

Central IL - 1210 Capital Airport Drive - Springfield, IL 62707-8490 - Phone (217) 753-1148 - Facsimile (217) 753-1152
 Chicago IL Office - 9114 Virginia Rd., Ste 112 - Lake in the Hills, IL 60156 - Phone (847) 651-2604 - Facsimile (847) 458-9680
 Central / Southern IL Contact - Phone (217) 414-7762 - Facsimile (217) 753-1152



Client	Analysis and/or Method Requested				Reporting	
	Lead in Drinking Water - IL				TACO	CCDD
Address	1550 Hubbard Ave					
City, State, Zip Code	Batavia, IL 60510					
Phone / Facsimile	630.879.3006					
Project Name / Number	17-18337					
Project Location	Ridgeland SD - George Lieb Elementary					
P.O. # or Invoice To	17-18337					
Contact Person	Geoff Baccii II					
Sample Description	Date	Sampling Time	Matrix Code	Preserv Code	No. of Containers	Sample Type
						Grab
See attached Addendum (5 pages) for sample information (70 samples)						X
Unless otherwise noted: Matrix Code: DW Preservative Code: 0 No. of containers per sample: 1 Sample Type: Grab Analysis requested: Lead in Drinking Water						
Matrix Code	A - Aqueous		DW - Drinking Water		GW - Ground Water	
Preservative Code	0 - None		1 - HCl		2 - H2SO4	
Fetters/Inhibited By			Date	Time	Received By	
Kathleen M. Baccii			9/18/17	8:00AM	Kathleen M. Baccii	
B. Baccii			9/18/17	1310	B. Baccii	
G. Baccii			9/18/17	1455	G. Baccii	
G. Baccii			9/18/17	1700	G. Baccii	
Instructions			Date	Time	Received By	
G. Baccii			9/18/17	1310	G. Baccii	
G. Baccii			9/18/17	1455	G. Baccii	
G. Baccii			9/18/17	1700	G. Baccii	
Turnaround Time: Standard			Date Required	QC Level	Temperature (°C)	
Standard			9/18/17	3	22A	
Date Required			QC Level	On wet ice?	Method of Shipment	
9/18/17			3	Yes <input checked="" type="checkbox"/>	UPS	

IS3E ID: 70161220022004

Building ID: 1

Building Description: George Lieb Elementary

Sample Collection Date: 9/16/2017

Collected by: Kathryn Herrmann

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	Sample Volume (mL)	Notes
9:33 AM	LS-1A	Rm. 150 (Faculty Lounge)	S - Sink	9/15/2017	11:00 PM	First Draw	250	
9:34 AM	LS-1B	Rm. 150 (Faculty Lounge)	S - Sink	9/15/2017	11:00 PM	Flush	250	
9:35 AM	LCS-2A	Rm. 154	S - Sink	9/15/2017	11:00 PM	First Draw	250	
9:36 AM	LCS-2B	Rm. 154	S - Sink	9/15/2017	11:00 PM	Flush	250	
9:37 AM	LS-3A	Bathroom (BR) in Rm. 154	S - Sink	9/15/2017	11:00 PM	First Draw	250	
9:38 AM	LS-3B	BR in Rm. 154	S - Sink	9/15/2017	11:00 PM	Flush	250	
9:40 AM	LCS-4A	Rm. 159	S - Sink	9/15/2017	11:00 PM	First Draw	250	
9:41 AM	LCS-4B	Rm. 159	S - Sink	9/15/2017	11:00 PM	Flush	250	
9:43 AM	LCS-5A	Rm. 161	S - Sink	9/15/2017	11:00 PM	First Draw	250	
9:44 AM	LCS-5B	Rm. 161	S - Sink	9/15/2017	11:00 PM	Flush	250	
9:45 AM	LCS-6A	Rm. 163	S - Sink	9/15/2017	11:00 PM	First Draw	250	
9:46 AM	LCS-6B	Rm. 163	S - Sink	9/15/2017	11:00 PM	Flush	250	
9:47 AM	LKS-7A	N. Side in Kitchen	KS - Kitchen Sink	9/15/2017	11:00 PM	First Draw	250	
9:48 AM	LKS-7B	N. Side in Kitchen	KS - Kitchen Sink	9/15/2017	11:00 PM	Flush	250	
9:49 AM	LKS-8A	S. Side in Kitchen	KS - Kitchen Sink	9/15/2017	11:00 PM	First Draw	250	
9:49 AM	LKS-8B	S. Side in Kitchen	KS - Kitchen Sink	9/15/2017	11:00 PM	Flush	250	
9:50 AM	LWF-9A	W. Side, Tall, Across 160	WF - Water Cooler	9/15/2017	11:00 PM	First Draw	250	
9:50 AM	LWF-9B	W. Side, Tall, Across 160	WF - Water Cooler	9/15/2017	11:00 PM	Flush	250	

ISBE ID: 70161220022004

Building ID: 1

Building Description: George Lieb Elementary

Sample Collection Date: 9/16/2017

Collected by: Kathryn Herrmann

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	Sample Volume (mL)	Notes
9:51 AM	LWF-10A	W. side, Short, Across 160	WF - Water Cooler	9/15/2017	11:00 PM	First Draw	250	
9:52 AM	LWF-10B	W. side, Short, Across 160	WF - Water Cooler	9/15/2017	11:00 PM	Flush	250	
9:53 AM	LWF-11A	E. Side, Tall, Across 160	WF - Water Cooler	9/15/2017	11:00 PM	First Draw	250	
9:54 AM	LWF-11B	E. Side, Tall, Across 160	WF - Water Cooler	9/15/2017	11:00 PM	Flush	250	
9:55 AM	LWF-12A	E. Side, Short, Across 160	WF - Water Cooler	9/15/2017	11:00 PM	First Draw	250	
9:56 AM	LWF-12B	E. Side, Short, Across 160	WF - Water Cooler	9/15/2017	11:00 PM	Flush	250	
10:00 AM	LS-13A	Workroom in Main Office	S - Sink	9/15/2017	11:00 PM	First Draw	250	
10:01 AM	LS-13B	Workroom in Main Office	S - Sink	9/15/2017	11:00 PM	Flush	250	
10:03 AM	LS-14A	Kitchen in Main Office	S - Sink	9/15/2017	11:00 PM	First Draw	250	
10:04 AM	LS-14B	Kitchen in Main Office	S - Sink	9/15/2017	11:00 PM	Flush	250	
10:06 AM	LWF-15A	Library	DF - Drinking Fountain	9/15/2017	11:00 PM	First Draw	250	
10:07 AM	LWF-15B	Library	DF - Drinking Fountain	9/15/2017	11:00 PM	Flush	250	
10:08 AM	LS-16A	Workroom 127	S - Sink	9/15/2017	11:00 PM	First Draw	250	
10:09 AM	LS-16B	Workroom 127	S - Sink	9/15/2017	11:00 PM	Flush	250	
10:10 AM	LS-17A	N. side in Rm. 131	S - Sink	9/15/2017	11:00 PM	First Draw	250	
10:11 AM	LS-17B	N. side in Rm. 131	S - Sink	9/15/2017	11:00 PM	First Draw	250	

ISBE ID: 70161220022004
 Building ID: 1

Building Description: George Lieb Elementary

Sample Collection Date: 9/16/2017

Collected by: Kathryn Herrmann

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	Sample Volume (mL)	Notes
10:12 AM	LS-17C	N. side in Rm. 131	S - Sink	9/15/2017	11:00 PM	Flush	250	
10:13 AM	LCS-18A	Rm 131, E. Side, closest to door	S - Sink	9/15/2017	11:00 PM	First Draw	250	
10:14 AM	LCS-18B	Rm 131, E. Side, closest to door	S - Sink	9/15/2017	11:00 PM	Flush	250	
10:15 AM	LCS-19A	Rm. 131, E. Side, middle	S - Sink	9/15/2017	11:00 PM	First Draw	250	
10:16 AM	LCS-19B	Rm. 131, E. Side, middle	S - Sink	9/15/2017	11:00 PM	Flush	250	
10:17 AM	LCS-20A	Rm. 131, E. Side, middle next to wall	S - Sink	9/15/2017	11:00 PM	First Draw	250	
10:18 AM	LCS-20B	Rm. 131, E. Side, middle next to wall	S - Sink	9/15/2017	11:00 PM	Flush	250	
10:19 AM	LCS-21A	Rm. 131, E. Side, furthest from door	S - Sink	9/15/2017	11:00 PM	First Draw	250	
10:20 AM	LCS-21B	Rm. 131, E. Side, furthest from door	S - Sink	9/15/2017	11:00 PM	Flush	250	
10:23 AM	LCS-22A	Rm. 130	S - Sink	9/15/2017	11:00 PM	First Draw	250	
10:24 AM	LCS-22B	Rm. 130	S - Sink	9/15/2017	11:00 PM	Flush	250	
10:26 AM	LCS-23A	Rm. 134	S - Sink	9/15/2017	11:00 PM	First Draw	250	
10:27 AM	LCS-23B	Rm. 134	S - Sink	9/15/2017	11:00 PM	Flush	250	
10:28 AM	LCS-24A	BR in Rm. 134	S - Sink	9/15/2017	11:00 PM	First Draw	250	
10:29 AM	LCS-24B	BR in Rm. 134	S - Sink	9/15/2017	11:00 PM	Flush	250	
10:31 AM	LKS-25A	Rm. 125 (Kitchen)	KS - Kitchen Sink	9/15/2017	11:00 PM	First Draw	250	

IS3E ID: 70161220022004

Building ID: 1

Building Description: George Lieb Elementary

Sample Collection Date: 9/16/2017

Collected by: Kathryn Herrmann

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	Sample Volume (mL)	Notes
10:32 AM	LKS-25B	Rm. 125 (Kitchen)	KS - Kitchen Sink	9/15/2017	11:00 PM	Flush	250	
10:33 AM	LWF-26A	Tall WF, across Rm. 142	WF - Water Cooler	9/15/2017	11:00 PM	First Draw	250	
10:34 AM	LWF-26B	Tall WF, across Rm. 142	WF - Water Cooler	9/15/2017	11:00 PM	Flush	250	
10:35 AM	LWF-27A	Short WF, across Rm. 142	WF - Water Cooler	9/15/2017	11:00 PM	First Draw	250	
10:36 AM	LWF-27B	Short WF, across Rm. 142	WF - Water Cooler	9/15/2017	11:00 PM	Flush	250	
10:37 AM	LWF-28A	Short WF, across Rm. 144	WF - Water Cooler	9/15/2017	11:00 PM	First Draw	250	
10:38 AM	LWF-28B	Short WF, across Rm. 144	WF - Water Cooler	9/15/2017	11:00 PM	Flush	250	
10:39 AM	LWF-29A	Tall WF, across Rm. 144	WF - Water Cooler	9/15/2017	11:00 PM	First Draw	250	
10:40 AM	LWF-29B	Tall WF, across Rm. 144	WF - Water Cooler	9/15/2017	11:00 PM	Flush	250	
10:43 AM	LWF-30A	Tall WF, across Rm. 242	WF - Water Cooler	9/15/2017	11:00 PM	First Draw	250	
10:44 AM	LWF-20B	Tall WF, across Rm. 242	WF - Water Cooler	9/15/2017	11:00 PM	Flush	250	
10:45 AM	LWF-31A	Short WF, across Rm. 242	WF - Water Cooler	9/15/2017	11:00 PM	First Draw	250	
10:46 AM	LWF-31B	Short WF, across Rm. 242	WF - Water Cooler	9/15/2017	11:00 PM	Flush	250	
10:47 AM	LWF-32A	Short WF, across Rm. 244	WF - Water Cooler	9/15/2017	11:00 PM	First Draw	250	

WATER QUALITY TESTING

FOR

***RIDGELAND SCHOOL DISTRICT 122
HARNEW***

OAK LAWN, ILLINOIS

SEPTEMBER 16, 2017

PROJECT NUMBER: 17-18337



A DIVISION OF GALLAGHER BASSETT SERVICES, INC.

1550 Hubbard Ave., Batavia, IL 60510, 630-879-3006

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Appendix I: Sample Locations and Sample Map

Appendix II: Laboratory Results

INTRODUCTION

Ridgeland School District 122 implemented a proactive program of water testing at the Harnew Elementary School. Water sampling was conducted by Kathryn Hermann of Aires Consulting on 9/16/2017. Mr. Geoffrey J. Bacci II, P.E. designed the studied and developed this report.

All sampling methodology followed protocol required by The Lead in Drinking Water Testing Bill (LDWTB) an guidelines published by the Illinois Department of Public Health (IDPH). Detailed background information on testing requirements, methodology and lead health effects are included in the main report to the District that summarizes results and offers recommendations.

RESULTS

Field sheets identifying sample numbers and sample locations maps are included in Appendix I. Laboratory results are included in Appendix II.

All results were non-detectable (< 2ppb).

Results should at minimum be posted on the Districts website within 7 days. The sample results should be e-mailed to IDPH within 7 days.

PROFESSIONAL CERTIFICATION

Aires Consulting, a division of Gallagher Bassett Services, Inc. conducted this study in the interest of **Ridgeland District 122** to assist in meeting environmental obligations and regulations. In this respect, we hope the results of this study are useful. *This study was not intended to include every environmental exposure that may be present at the facility; only those items specifically addressed in the report were evaluated.* If you have any questions concerning this study please let us know.

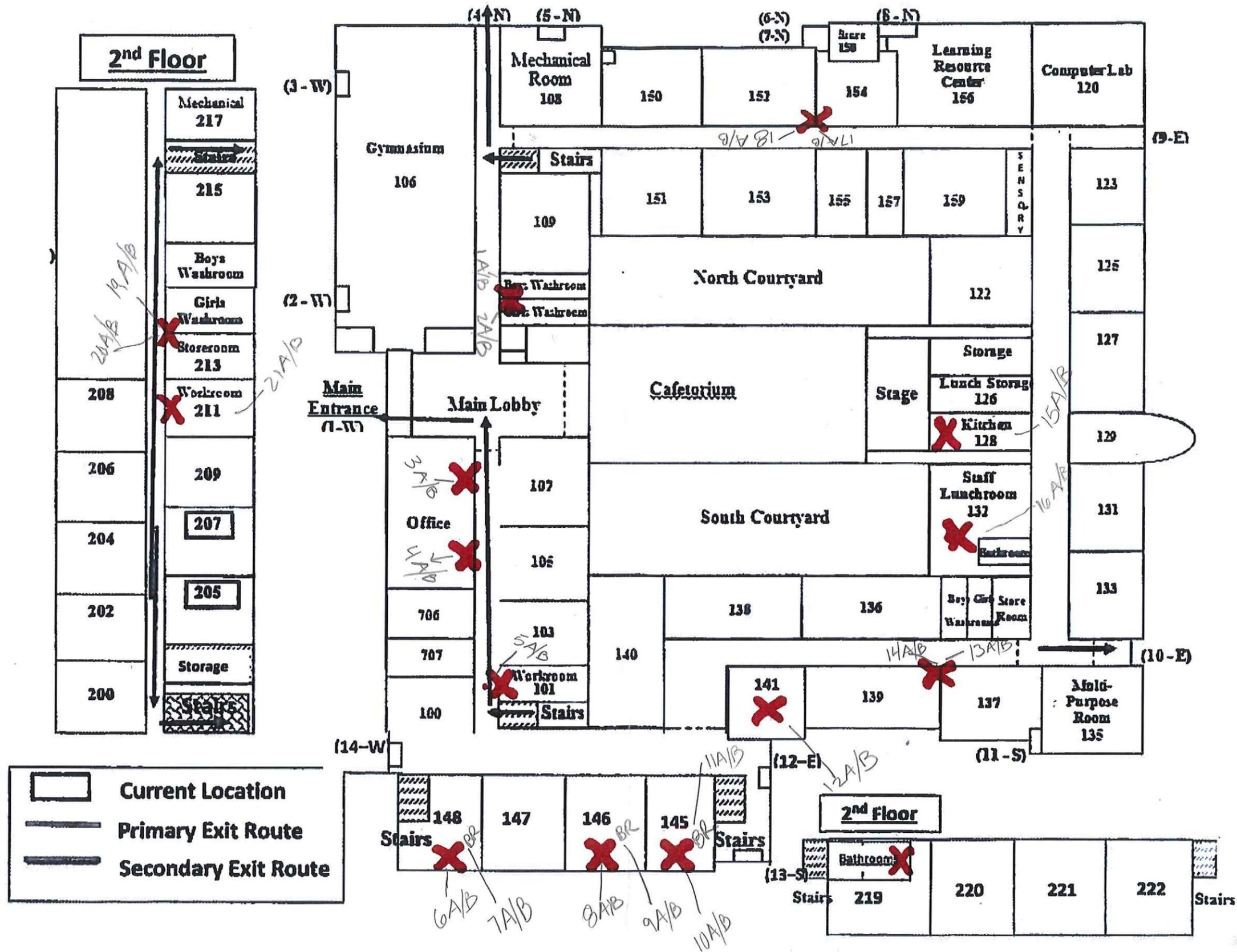
Respectfully Submitted,



Geoffrey J. Bacci, II, PE
Director Operations

ISBE ID	Building ID	Building Description	Sample Date	Sample Time (12 HR Clock)	Collected By	Sample ID Number	Sample Location Description	Fixture Type	Date of Last Use	Time of Last Use (12 HR Clock)	Sample Type	Sample Volume (ml)	Laboratory Name	Analytical Method	Concentration (ug/L)	Reporting Limit (ug/L)	Notes
706122002203			09/16/2017	08:06 AM	Kathryn Herrmann	HWF-1A	Tall Fountain Across Gym	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:07 AM	Kathryn Herrmann	HWF-1B	Tall Fountain Across Gym	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:08 AM	Kathryn Herrmann	HWF-2A	Short Fountain Across Gym	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	Low Flow
706122002203			09/16/2017	08:09 AM	Kathryn Herrmann	HWF-2B	Short Fountain Across Gym	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	Low Flow
706122002203			09/16/2017	08:12 AM	Kathryn Herrmann	HS-3A	Kitchen in Office	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:13 AM	Kathryn Herrmann	HS-3B	Kitchen in Office	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:15 AM	Kathryn Herrmann	HS-4A	Nurse's in Office	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:16 AM	Kathryn Herrmann	HS-4B	Nurse's in Office	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:18 AM	Kathryn Herrmann	HS-5A	Workroom 101	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:19 AM	Kathryn Herrmann	HS-5B	Workroom 101	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:20 AM	Kathryn Herrmann	HCS-6A	Room 148	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:21 AM	Kathryn Herrmann	HCS-6B	Room 148	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:22 AM	Kathryn Herrmann	HS-7A	Bathroom (BR) in 148	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:23 AM	Kathryn Herrmann	HS-7B	Bathroom (BR) in 148	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:25 AM	Kathryn Herrmann	HCS-8A	Room 146	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:26 AM	Kathryn Herrmann	HCS-8B	Room 146	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:27 AM	Kathryn Herrmann	HS-9A	BR in Room 146	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:28 AM	Kathryn Herrmann	HS-9B	BR in Room 146	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:29 AM	Kathryn Herrmann	HCS-10A	Room 145	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:30 AM	Kathryn Herrmann	HCS-10B	Room 145	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:31 AM	Kathryn Herrmann	HS-11A	BR in Room 145	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:32 AM	Kathryn Herrmann	HS-11B	BR in Room 145	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:34 AM	Kathryn Herrmann	HS-12A	Room 141	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:35 AM	Kathryn Herrmann	HS-12B	Room 141	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:36 AM	Kathryn Herrmann	HWF-13A	Tall Fountain Next to 137A	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:37 AM	Kathryn Herrmann	HWF-13B	Tall Fountain Next to 137A	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:38 AM	Kathryn Herrmann	HWF-14A	Short Fountain Next to 137A	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:39 AM	Kathryn Herrmann	HWF-14B	Short Fountain Next to 137A	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:43 AM	Kathryn Herrmann	HKS-15A	Kitchen	KS - Kitchen Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:44 AM	Kathryn Herrmann	HKS-15B	Kitchen	KS - Kitchen Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:45 AM	Kathryn Herrmann	HS-16A	Room 132 (Staff Lounge)	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:46 AM	Kathryn Herrmann	HS-16B	Room 132 (Staff Lounge)	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:49 AM	Kathryn Herrmann	HWF-17A	Tall next to Rm. 155	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:50 AM	Kathryn Herrmann	HWF-17B	Tall next to Rm. 155	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:51 AM	Kathryn Herrmann	HWF-18A	Short next to Rm. 155	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:52 AM	Kathryn Herrmann	HWF-18B	Short next to Rm. 155	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:56 AM	Kathryn Herrmann	HWF-19A	Tall next to Rm. 215	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:57 AM	Kathryn Herrmann	HWF-19B	Tall next to Rm. 215	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:58 AM	Kathryn Herrmann	HWF-20A	Short next to Rm. 215	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:59 AM	Kathryn Herrmann	HWF-20B	Short next to Rm. 215	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	09:02 AM	Kathryn Herrmann	HS-21A	Room 211	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	09:03 AM	Kathryn Herrmann	HS-21B	Room 211	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	09:05 AM	Kathryn Herrmann	HWF-22A	E. side next to 220	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	09:06 AM	Kathryn Herrmann	HWF-22B	E. side next to 220	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	09:07 AM	Kathryn Herrmann	HWF-23A	E. side next to 220	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	09:08 AM	Kathryn Herrmann	HWF-23B	E. side next to 220	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	09:09 AM	Kathryn Herrmann	HWF-23C	E. side next to 220	O - Other	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	Bottle Fill
706122002203			09/16/2017	09:22 AM	Kathryn Herrmann	HIF	Mechanical Rm.108	O - Other	09/15/2017	11:00 PM	First Draw	960	Prairie Analytical	EPA 200.8	ND	2.00 ppb	PH =8.7 Incoming source

HARNEW ELEMENTARY





Monday, October 2, 2017

Geoff Bacci II
Aires Consulting Group
1550 Hubbard Ave.
Batavia, IL 60510
TEL: (630) 879-3006
FAX: (630) 879-3014

RE: 17-18337 Ridgeland SD/ Harnew Elementary

PAS WO: 1710454

Prairie Analytical Systems, Inc. received 48 sample(s) on 9/18/2017 for the analyses presented in the following report.

All applicable quality control procedures met method specific acceptance criteria unless otherwise noted.

This report shall not be reproduced, except in full, without the prior written consent of Prairie Analytical Systems, Inc.

If you have any questions, please feel free to contact me at (224) 253-1348.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Christina E. Pierce".

Christina E. Pierce
Project Manager

Certifications: NELAP/NELAC - IL #100323

1210 Capital Airport Drive	*	Springfield, IL 62707	*	1.217.753.1148	*	1.217.753.1152 Fax
9114 Virginia Road Suite #112	*	Lake in the Hills, IL 60156	*	1.847.651.2604	*	1.847.458.0538 Fax

LABORATORY RESULTS

Client: Aires Consulting Group
Project: 17-18337 Ridgeland SD/ Harnew Elementary
Client Sample ID: HWF-1A
Collection Date: 9/16/17 8:06

Lab Order: 17I0454
Lab ID: 17I0454-01
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:40	9/28/17 15:52	EPA200.8	LAH

Client Sample ID: HWF-1B
Collection Date: 9/16/17 8:07

Lab ID: 17I0454-02
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:40	9/28/17 16:00	EPA200.8	LAH

Client Sample ID: HWF-2A
Collection Date: 9/16/17 8:08

Lab ID: 17I0454-03
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:40	9/28/17 16:03	EPA200.8	LAH

Client Sample ID: HWF-2B
Collection Date: 9/16/17 8:09

Lab ID: 17I0454-04
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:40	9/28/17 16:06	EPA200.8	LAH

Client Sample ID: HS-3A
Collection Date: 9/16/17 8:12

Lab ID: 17I0454-05
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:40	9/28/17 16:09	EPA200.8	LAH

Client Sample ID: HS-3B
Collection Date: 9/16/17 8:13

Lab ID: 17I0454-06
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:40	9/28/17 18:39	EPA200.8	LAH

Client Sample ID: HS-4A
Collection Date: 9/16/17 8:15

Lab ID: 17I0454-07
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:40	9/28/17 18:41	EPA200.8	LAH

LABORATORY RESULTS

Client:	Aires Consulting Group					Lab Order:	17I0454			
Project:	17-18337 Ridgeland SD/ Harnew Elementary									
Client Sample ID:	HS-4B					Lab ID:	17I0454-08			
Collection Date:	9/16/17 8:16					Matrix:	Drinking Water			
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	9/28/17 12:40	9/28/17 18:56	EPA200.8	LAH	
Client Sample ID:	HS-5A					Lab ID:	17I0454-09			
Collection Date:	9/16/17 8:18					Matrix:	Drinking Water			
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	9/28/17 12:40	9/28/17 18:59	EPA200.8	LAH	
Client Sample ID:	HS-5B					Lab ID:	17I0454-10			
Collection Date:	9/16/17 8:19					Matrix:	Drinking Water			
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	9/28/17 12:40	9/28/17 19:01	EPA200.8	LAH	
Client Sample ID:	HCS-6A					Lab ID:	17I0454-11			
Collection Date:	9/16/17 8:20					Matrix:	Drinking Water			
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	9/28/17 12:40	9/28/17 19:04	EPA200.8	LAH	
Client Sample ID:	HCS-6B					Lab ID:	17I0454-12			
Collection Date:	9/16/17 8:21					Matrix:	Drinking Water			
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	9/28/17 12:40	9/28/17 19:13	EPA200.8	LAH	
Client Sample ID:	HS-7A					Lab ID:	17I0454-13			
Collection Date:	9/16/17 8:22					Matrix:	Drinking Water			
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	9/28/17 12:40	9/28/17 19:16	EPA200.8	LAH	
Client Sample ID:	HS-7B					Lab ID:	17I0454-14			
Collection Date:	9/16/17 8:23					Matrix:	Drinking Water			
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	9/28/17 12:40	9/28/17 19:19	EPA200.8	LAH	

LABORATORY RESULTS

Client: Aires Consulting Group
Project: 17-18337 Ridgeland SD/ Harnew Elementary
Client Sample ID: HS-7B
Collection Date: 9/16/17 8:23

Lab Order: 17I0454
Lab ID: 17I0454-14
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Client Sample ID: HCS-8A
Collection Date: 9/16/17 8:25

Lab ID: 17I0454-15
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Metals by ICP-MS

*Lead	U	2.00		µg/L	1	9/28/17 12:40	9/28/17 19:22	EPA200.8	LAH
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Client Sample ID: HCS-8B
Collection Date: 9/16/17 8:26

Lab ID: 17I0454-16
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Metals by ICP-MS

*Lead	U	2.00		µg/L	1	9/28/17 12:40	9/28/17 19:33	EPA200.8	LAH
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Client Sample ID: HS-9A
Collection Date: 9/16/17 8:27

Lab ID: 17I0454-17
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Metals by ICP-MS

*Lead	U	2.00		µg/L	1	9/28/17 12:40	9/28/17 19:36	EPA200.8	LAH
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Client Sample ID: HS-9B
Collection Date: 9/16/17 8:28

Lab ID: 17I0454-18
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Metals by ICP-MS

*Lead	U	2.00		µg/L	1	9/28/17 12:40	9/28/17 19:39	EPA200.8	LAH
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Client Sample ID: HCS-10A
Collection Date: 9/16/17 8:29

Lab ID: 17I0454-19
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Metals by ICP-MS

*Lead	U	2.00		µg/L	1	9/28/17 12:40	9/28/17 19:42	EPA200.8	LAH
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Client Sample ID: HCS-10B
Collection Date: 9/16/17 8:30

Lab ID: 17I0454-20
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Metals by ICP-MS

*Lead	U	2.00		µg/L	1	9/28/17 12:40	9/28/17 19:45	EPA200.8	LAH
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LABORATORY RESULTS

Client: Aires Consulting Group
Project: 17-18337 Ridgeland SD/ Harnew Elementary
Client Sample ID: HS-11A
Collection Date: 9/16/17 8:31

Lab Order: 17I0454
Lab ID: 17I0454-21
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:42	9/28/17 19:53	EPA200.8	LAH

Client Sample ID: HS-11B
Collection Date: 9/16/17 8:32

Lab ID: 17I0454-22
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:42	9/28/17 17:44	EPA200.8	LAH

Client Sample ID: HS-12A
Collection Date: 9/16/17 8:34

Lab ID: 17I0454-23
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:42	9/28/17 17:46	EPA200.8	LAH

Client Sample ID: HS-12B
Collection Date: 9/16/17 8:35

Lab ID: 17I0454-24
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:42	9/28/17 17:49	EPA200.8	LAH

Client Sample ID: HWF-13A
Collection Date: 9/16/17 8:36

Lab ID: 17I0454-25
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:42	9/28/17 17:52	EPA200.8	LAH

Client Sample ID: HWF-13B
Collection Date: 9/16/17 8:37

Lab ID: 17I0454-26
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:42	9/28/17 17:55	EPA200.8	LAH

Client Sample ID: HWF-14A
Collection Date: 9/16/17 8:38

Lab ID: 17I0454-27
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:42	9/28/17 17:58	EPA200.8	LAH

LABORATORY RESULTS

Client: Aires Consulting Group
Project: 17-18337 Ridgeland SD/ Harnew Elementary

Lab Order: 17I0454

Client Sample ID: HWF-14B
Collection Date: 9/16/17 8:39

Lab ID: 17I0454-28
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:42	9/28/17 18:01	EPA200.8	LAH

Client Sample ID: HKS-15A
Collection Date: 9/16/17 8:43

Lab ID: 17I0454-29
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:42	9/28/17 18:04	EPA200.8	LAH

Client Sample ID: HKS-15B
Collection Date: 9/16/17 8:44

Lab ID: 17I0454-30
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:42	9/28/17 18:15	EPA200.8	LAH

Client Sample ID: HS-16A
Collection Date: 9/16/17 8:45

Lab ID: 17I0454-31
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:42	9/28/17 18:18	EPA200.8	LAH

Client Sample ID: HS-16B
Collection Date: 9/16/17 8:46

Lab ID: 17I0454-32
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:42	9/28/17 18:27	EPA200.8	LAH

Client Sample ID: HWF-17A
Collection Date: 9/16/17 8:49

Lab ID: 17I0454-33
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:42	9/28/17 18:29	EPA200.8	LAH

Client Sample ID: HWF-17B
Collection Date: 9/16/17 8:50

Lab ID: 17I0454-34
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:42	9/28/17 18:32	EPA200.8	LAH

LABORATORY RESULTS

Client: Aires Consulting Group

Project: 17-18337 Ridgeland SD/ Harnew Elementary

Lab Order: 17I0454

Client Sample ID: HWF-17B

Lab ID: 17I0454-34

Collection Date: 9/16/17 8:50

Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Client Sample ID: HWF-18A

Lab ID: 17I0454-35

Collection Date: 9/16/17 8:51

Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Metals by ICP-MS

*Lead	U	2.00		µg/L	1	9/28/17 12:42	9/28/17 18:35	EPA200.8	LAH
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Client Sample ID: HWF-18B

Lab ID: 17I0454-36

Collection Date: 9/16/17 8:52

Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Metals by ICP-MS

*Lead	U	2.00		µg/L	1	9/28/17 12:42	9/28/17 19:56	EPA200.8	LAH
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Client Sample ID: HWF-19A

Lab ID: 17I0454-37

Collection Date: 9/16/17 8:56

Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Metals by ICP-MS

*Lead	U	2.00		µg/L	1	9/28/17 12:42	9/28/17 19:59	EPA200.8	LAH
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Client Sample ID: HWF-19B

Lab ID: 17I0454-38

Collection Date: 9/16/17 8:57

Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Metals by ICP-MS

*Lead	U	2.00		µg/L	1	9/28/17 12:42	9/28/17 20:10	EPA200.8	LAH
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Client Sample ID: HWF-20A

Lab ID: 17I0454-39

Collection Date: 9/16/17 8:58

Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Metals by ICP-MS

*Lead	U	2.00		µg/L	1	9/28/17 12:42	9/28/17 20:13	EPA200.8	LAH
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Client Sample ID: HWF-20B

Lab ID: 17I0454-40

Collection Date: 9/16/17 8:59

Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Metals by ICP-MS

*Lead	U	2.00		µg/L	1	9/28/17 12:42	9/28/17 20:16	EPA200.8	LAH
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LABORATORY RESULTS

Client: Aires Consulting Group
Project: 17-18337 Ridgeland SD/ Harnew Elementary
Client Sample ID: HS-21A
Collection Date: 9/16/17 9:02

Lab Order: 17I0454
Lab ID: 17I0454-41
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:46	9/28/17 20:25	EPA200.8	LAH

Client Sample ID: HS-21B
Collection Date: 9/16/17 9:03

Lab ID: 17I0454-42
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:46	9/28/17 20:33	EPA200.8	LAH

Client Sample ID: HWF-22A
Collection Date: 9/16/17 9:05

Lab ID: 17I0454-43
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:46	9/28/17 20:36	EPA200.8	LAH

Client Sample ID: HWF-22B
Collection Date: 9/16/17 9:06

Lab ID: 17I0454-44
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:46	9/28/17 20:51	EPA200.8	LAH

Client Sample ID: HWF-23A
Collection Date: 9/16/17 9:07

Lab ID: 17I0454-45
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:46	9/28/17 20:53	EPA200.8	LAH

Client Sample ID: HWF-23B
Collection Date: 9/16/17 9:08

Lab ID: 17I0454-46
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:46	9/28/17 20:56	EPA200.8	LAH

Client Sample ID: HWF-23C
Collection Date: 9/16/17 9:09

Lab ID: 17I0454-47
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:46	9/28/17 20:59	EPA200.8	LAH

LABORATORY RESULTS

Client: Aires Consulting Group
Project: 17-18337 Ridgeland SD/ Harnew Elementary

Lab Order: 17I0454

Client Sample ID: HIF
Collection Date: 9/16/17 9:22

Lab ID: 17I0454-48
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	9/28/17 12:46	9/28/17 21:02	EPA200.8	LAH
Conventional Chemistry Parameters									
pH	8.07	0.0100		pH Units	1	9/16/17 9:22	9/16/17 9:22	EPA150.1	

LABORATORY RESULTS

Client: Aires Consulting Group

Project: 17-18337 Ridgeland SD/ Harnew Elementary

Lab Order: 17I0454

Metals by ICP-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A005989 - EPA 200.8 Metals

Blank (A005989-BLK1) Prepared & Analyzed: 09/28/201

Lead	U	2.00	µg/L							
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LCS (A005989-BS1) Prepared & Analyzed: 09/28/201

Lead	489	2.00	µg/L	500.00		98	85-115			
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Matrix Spike (A005989-MS1) **Source: 17I0454-01** Prepared & Analyzed: 09/28/201

Lead	496	2.00	µg/L	500.00	0.127	99	75-125			
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Matrix Spike (A005989-MS2) **Source: 17I0454-11** Prepared & Analyzed: 09/28/201

Lead	501	2.00	µg/L	500.00	0.288	100	75-125			
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Matrix Spike Dup (A005989-MSD1) **Source: 17I0454-01** Prepared & Analyzed: 09/28/201

Lead	492	2.00	µg/L	500.00	0.127	98	75-125	0.8	20	
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Matrix Spike Dup (A005989-MSD2) **Source: 17I0454-11** Prepared & Analyzed: 09/28/201

Lead	492	2.00	µg/L	500.00	0.288	98	75-125	2	20	
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Batch A005990 - EPA 200.8 Metals

Blank (A005990-BLK1) Prepared & Analyzed: 09/28/201

Lead	U	2.00	µg/L							
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LCS (A005990-BS1) Prepared & Analyzed: 09/28/201

Lead	498	2.00	µg/L	500.00		100	85-115			
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Matrix Spike (A005990-MS1) **Source: 17I0454-21** Prepared & Analyzed: 09/28/201

Lead	501	2.00	µg/L	500.00	0.283	100	75-125			
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LABORATORY RESULTS

Client: Aires Consulting Group

Project: 17-18337 Ridgeland SD/ Harnew Elementary

Lab Order: 17I0454

Metals by ICP-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A005990 - EPA 200.8 Metals

Matrix Spike (A005990-MS2)		Source: 17I0454-31		Prepared & Analyzed: 09/28/201						
Lead	501	2.00	µg/L	500.00	0.122	100	75-125			
Matrix Spike Dup (A005990-MSD1)		Source: 17I0454-21		Prepared & Analyzed: 09/28/201						
Lead	491	2.00	µg/L	500.00	0.283	98	75-125	2	20	
Matrix Spike Dup (A005990-MSD2)		Source: 17I0454-31		Prepared & Analyzed: 09/28/201						
Lead	501	2.00	µg/L	500.00	0.122	100	75-125	0.04	20	

Batch A005991 - EPA 200.8 Metals

Blank (A005991-BLK1)				Prepared & Analyzed: 09/28/201						
Lead	U	2.00	µg/L							
LCS (A005991-BS1)				Prepared & Analyzed: 09/28/201						
Lead	490	2.00	µg/L	500.00		98	85-115			
Matrix Spike (A005991-MS1)		Source: 17I0454-41		Prepared & Analyzed: 09/28/201						
Lead	502	2.00	µg/L	500.00	0.274	100	75-125			
Matrix Spike (A005991-MS2)		Source: 17I0490-03		Prepared & Analyzed: 09/28/201						
Lead	504	2.00	µg/L	500.00	1.65	101	75-125			
Matrix Spike Dup (A005991-MSD1)		Source: 17I0454-41		Prepared & Analyzed: 09/28/201						
Lead	502	2.00	µg/L	500.00	0.274	100	75-125	0.05	20	
Matrix Spike Dup (A005991-MSD2)		Source: 17I0490-03		Prepared & Analyzed: 09/28/201						
Lead	508	2.00	µg/L	500.00	1.65	101	75-125	0.7	20	

LABORATORY RESULTS

Client: Aires Consulting Group

Project: 17-18337 Ridgeland SD/ Harnew Elementary

Lab Order: 17I0454

Notes and Definitions

* NELAC certified compound.

U Analyte not detected (i.e. less than RL or MDL).

Chain of Custody Record

Central IL - 1210 Capital Airport Drive - Springfield, IL 62707-8490 - Phone (217) 753-1148 - Facsimile (217) 753-1152
 Chicago IL Office - 9114 Virginia Rd., Ste 112 - Lake in the Hills, IL 60156 - Phone (847) 651-2604 - Facsimile (847) 458-9680
 Central / Southern IL Contact - Phone (217) 414-7762 - Facsimile (217) 753-1152



Client: Aires Consulting - Gallagher Bassett		Analysis and/or Method Requested: Lead in Drinking Water - IL		Reporting: CCDD	
Address: 1550 Hubbard Ave				Residential	
City, State, Zip Code: Batavia, IL 60510				Industrial / Commercial	
Phone / Facsimile: 630.879.3006				A <input type="checkbox"/> D <input type="checkbox"/>	
Project Name / Number: 17-18337				B <input type="checkbox"/> E <input type="checkbox"/>	
Project Location: Ridgeland SD - Harnew Elementary				C <input type="checkbox"/> F <input type="checkbox"/>	
P.O. # or Invoice To: 17-18337				Residential	
Contact Person: Geoff Baccii II				Industrial	
Sample Description		Sampling Date		Sampler Comments	
		Time			
		Matrix Code			
		Preserv Code			
		No. of Containers			
		Sample Type			
		Comp			
		Grab			
See attached Addendum (3 pages) for sample information (48 samples)		X			
<p>Unless otherwise noted:</p> <p>Matrix Code: DW</p> <p>Preservative Code: 0</p> <p>No. of containers per sample: 1</p> <p>Sample Type: Grab</p> <p>Analysis requested: Lead in Drinking Water</p>					
Matrix Code		Date		Time	
Preservative Code		Date		Time	
A - Aqueous		DW - Drinking Water		GW - Ground Water	
0 - None		1 - HCl		2 - H2SO4	
NA - Non-Aqueous Liquid		S - Solid		O - Oil	
3 - HNO3		4 - NaOH		5 - 5035 Kit	
X - Other (Specify)		X - Other (Specify)		X - Other (Specify)	
Requisitioned By: Matthew Hornum		Date: 9/18/17		Time: 8:00AM	
Signature: [Signature]		Date: 9/18/17		Time: 1310	
Signature: [Signature]		Date: 9/18/17		Time: 1455	
Signature: [Signature]		Date: 9/18/17		Time: 1700	
Instructed: [Signature]		Date: 9/18/17		Time: 1700	
Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		QC Level: 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/>		On wet ice? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date Required: 9/18/17		Temperature (°C): 22.1		Method of Shipment:	

ISBE ID: 706122002203

Building ID: 1

Building Description: Harnew Elementary

Sample Collect: 9/16/2017

Collected by: Kathryn Hermann

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	Sample Volume (mL)	Notes
8:06 AM	HWF-1A	Tall Fountain Across gym	WF - Water Cooler	9/15/2017	11:00 PM	First Draw	250	
8:07 AM	HWF-1B	Tall Fountain Across gym	WF - Water Cooler	9/15/2017	11:00 PM	Flush	250	
8:08 AM	HWF-2A	Short Fountain Across gym	WF - Water Cooler	9/15/2017	11:00 PM	First Draw	250	low flow
8:09 AM	HWF-2B	Short Fountain Across gym	WF - Water Cooler	9/15/2017	11:00 PM	Flush	250	low flow
8:12 AM	HS-3A	Kitchen in Office	S - Sink	9/15/2017	11:00 PM	First Draw	250	
8:13 AM	HS-3B	Kitchen in Office	S - Sink	9/15/2017	11:00 PM	Flush	250	
8:15 AM	HS-4A	Nurse's Office	S - Sink	9/15/2017	11:00 PM	First Draw	250	
8:16 AM	HS-4B	Nurse's Office	S - Sink	9/15/2017	11:00 PM	Flush	250	
8:18 AM	HS-5A	Workroom 101	S - Sink	9/15/2017	11:00 PM	First Draw	250	
8:19 AM	HS-5B	Workroom 101	S - Sink	9/15/2017	11:00 PM	Flush	250	
8:20 AM	HCS-6A	Room 148	S - Sink	9/15/2017	11:00 PM	First Draw	250	
8:21 AM	HCS-6B	Room 148	S - Sink	9/15/2017	11:00 PM	Flush	250	
8:22 AM	HS-7A	Bathroom (BR) in 148	S - Sink	9/15/2017	11:00 PM	First Draw	250	
8:23 AM	HS-7B	Bathroom (BR) in 148	S - Sink	9/15/2017	11:00 PM	Flush	250	
8:25 AM	HCS-8A	Room 146	S - Sink	9/15/2017	11:00 PM	First Draw	250	
8:26 AM	HCS-8B	Room 146	S - Sink	9/15/2017	11:00 PM	Flush	250	
8:27 AM	HS-9A	BR in Room 146	S - Sink	9/15/2017	11:00 PM	First Draw	250	
8:28 AM	HS-9B	BR in Room 146	S - Sink	9/15/2017	11:00 PM	Flush	250	
8:29 AM	HCS-10A	Room 145	S - Sink	9/15/2017	11:00 PM	First Draw	250	

ISBE ID: 706122002203

Building ID: 1

Building Description: Harnew Elementary

Sample Collecti: 9/16/2017

Collected by: Kathryn Hermann

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	Sample Volume (mL)	Notes
8:30 AM	HCS-10B	Room 145	S - Sink	9/15/2017	11:00 PM	Flush	250	
8:31 AM	HS-11A	BR in Room 145	S - Sink	9/15/2017	11:00 PM	First Draw	250	
8:32 AM	HS-11B	BR in Room 145	S - Sink	9/15/2017	11:00 PM	Flush	250	
8:34 AM	HS-12A	Room 141	S - Sink	9/15/2017	11:00 PM	First Draw	250	
8:35 AM	HS-12B	Room 141	S - Sink	9/15/2017	11:00 PM	Flush	250	
8:36 AM	HWF-13A	Tall Fountain next to 137A	WF - Water Cooler	9/15/2017	11:00 PM	First Draw	250	
8:37 AM	HWF-13B	Tall Fountain next to 137A	WF - Water Cooler	9/15/2017	11:00 PM	Flush	250	
8:38 AM	HWF-14A	Short Fountain next to 137A	WF - Water Cooler	9/15/2017	11:00 PM	First Draw	250	
8:39 AM	HWF-14B	Short Fountain next to 137A	WF - Water Cooler	9/15/2017	11:00 PM	First Draw	250	
8:43 AM	HKS-15A	Kitchen	KS - Kitchen Sink	9/15/2017	11:00 PM	Flush	250	
8:44 AM	HKS-15B	Kitchen	KS - Kitchen Sink	9/15/2017	11:00 PM	First Draw	250	
8:45 AM	HS-16A	Room 132 (Staff Lounge)	S - Sink	9/15/2017	11:00 PM	Flush	250	
8:46 AM	HS-16B	Room 132 (Staff Lounge)	S - Sink	9/15/2017	11:00 PM	First Draw	250	
8:49 AM	HWF-17A	Tall next to Rm. 155	WF - Water Cooler	9/15/2017	11:00 PM	First Draw	250	
8:50 AM	HWF-17B	Tall next to Rm. 155	WF - Water Cooler	9/15/2017	11:00 PM	Flush	250	
8:51 AM	HWF-18A	Short next to Rm. 155	WF - Water Cooler	9/15/2017	11:00 PM	First Draw	250	
8:52 AM	HWF-18B	Short next to Rm. 155	WF - Water Cooler	9/15/2017	11:00 PM	Flush	250	
8:56 AM	HWF-19A	Tall next to Rm. 215	WF - Water Cooler	9/15/2017	11:00 PM	First Draw	250	

ISBE ID	Building ID	Building Description	Sample Date	Sample Time (12 HR Clock)	Collected By	Sample ID Number	Sample Location Description	Fixture Type	Date of Last Use	Time of Last Use (12 HR Clock)	Sample Type	Sample Volume (mL)	Laboratory Name	Analytical Method	Concentration (ug/L)	Reporting Limit (ug/L)	Notes
706122002203			09/16/2017	08:06 AM	Kathryn Hermann	HWF-1A	Tall Fountain Across Gym	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:07 AM	Kathryn Hermann	HWF-1B	Tall Fountain Across Gym	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:08 AM	Kathryn Hermann	HWF-2A	Short Fountain Across Gym	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	Low Flow
706122002203			09/16/2017	08:09 AM	Kathryn Hermann	HWF-2B	Short Fountain Across Gym	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	Low Flow
706122002203			09/16/2017	08:12 AM	Kathryn Hermann	HS-3A	Kitchen in Office	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:13 AM	Kathryn Hermann	HS-3B	Kitchen in Office	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:15 AM	Kathryn Hermann	HS-4A	Nurse's in Office	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:16 AM	Kathryn Hermann	HS-4B	Nurse's in Office	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:18 AM	Kathryn Hermann	HS-5A	Workroom 101	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:19 AM	Kathryn Hermann	HS-5B	Workroom 101	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:20 AM	Kathryn Hermann	HCS-6A	Room 148	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:21 AM	Kathryn Hermann	HCS-6B	Room 148	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:22 AM	Kathryn Hermann	HS-7A	Bathroom (BR) in 148	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:23 AM	Kathryn Hermann	HS-7B	Bathroom (BR) in 148	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:25 AM	Kathryn Hermann	HCS-8A	Room 146	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:26 AM	Kathryn Hermann	HCS-8B	Room 146	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:27 AM	Kathryn Hermann	HS-9A	BR in Room 146	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:28 AM	Kathryn Hermann	HS-9B	BR in Room 146	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:29 AM	Kathryn Hermann	HCS-10A	Room 145	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:30 AM	Kathryn Hermann	HCS-10B	Room 145	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:31 AM	Kathryn Hermann	HS-11A	BR in Room 145	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:32 AM	Kathryn Hermann	HS-11B	BR in Room 145	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:34 AM	Kathryn Hermann	HS-12A	Room 141	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:35 AM	Kathryn Hermann	HS-12B	Room 141	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:36 AM	Kathryn Hermann	HWF-13A	Tall Fountain Next to 137A	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:37 AM	Kathryn Hermann	HWF-13B	Tall Fountain Next to 137A	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:38 AM	Kathryn Hermann	HWF-14A	Short Fountain Next to 137A	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:39 AM	Kathryn Hermann	HWF-14B	Short Fountain Next to 137A	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:43 AM	Kathryn Hermann	HKS-15A	Kitchen	KS - Kitchen Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:44 AM	Kathryn Hermann	HKS-15B	Kitchen	KS - Kitchen Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:45 AM	Kathryn Hermann	HS-16A	Room 132 (Staff Lounge)	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:46 AM	Kathryn Hermann	HS-16B	Room 132 (Staff Lounge)	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:49 AM	Kathryn Hermann	HWF-17A	Tall next to Rm. 155	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:50 AM	Kathryn Hermann	HWF-17B	Tall next to Rm. 155	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:51 AM	Kathryn Hermann	HWF-18A	Short next to Rm. 155	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:52 AM	Kathryn Hermann	HWF-18B	Short next to Rm. 155	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:56 AM	Kathryn Hermann	HWF-19A	Tall next to Rm. 215	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:57 AM	Kathryn Hermann	HWF-19B	Tall next to Rm. 215	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:58 AM	Kathryn Hermann	HWF-20A	Short next to Rm. 215	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	08:59 AM	Kathryn Hermann	HWF-20B	Short next to Rm. 215	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	09:02 AM	Kathryn Hermann	HS-21A	Room 211	S - Sink	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	09:03 AM	Kathryn Hermann	HS-21B	Room 211	S - Sink	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	09:05 AM	Kathryn Hermann	HWF-22A	E. side next to 220	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	09:06 AM	Kathryn Hermann	HWF-22B	E. side next to 220	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	09:07 AM	Kathryn Hermann	HWF-23A	E. side next to 220	WF - Water Cooler	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	09:08 AM	Kathryn Hermann	HWF-23B	E. side next to 220	WF - Water Cooler	09/15/2017	11:00 PM	Flush	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	
706122002203			09/16/2017	09:09 AM	Kathryn Hermann	HWF-23C	E. side next to 220	O - Other	09/15/2017	11:00 PM	First Draw	250	Prairie Analytical	EPA 200.8	ND	2.00 ppb	Bottle Fill
706122002203			09/16/2017	09:22 AM	Kathryn Hermann	HIF	Mechanical Rm.108	O - Other	09/15/2017	11:00 PM	First Draw	960	Prairie Analytical	EPA 200.8	ND	2.00 ppb	PH =8.7 Incoming source