WATER QUALITY TESTING

FOR

EAST DUBUQUE SCHOOL DISTRICT 119

ADMINISTRATION BUILDING

EAST DUBUQUE, ILLINOIS

NOVEMBER 10, 2017

PROJECT NUMBER: 17-18351

Project: 17-18351.ENV

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Project: 17-18351.ENV

INTRODUCTION

East Dubuque School District 119 implemented a proactive program of water testing at the Administration Building. Water sampling was conducted by Mr. Dan Petras of Aires Consulting on November 10, 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 (< 2 ppb) for lead.

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 East Dubuque School District 119 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



Page 1 November 2017

		\ \ \ \ \ \						
								-
PH= 7.360						Mech	EDA/F-4	11:10
							36	11:12
					Sinll	Kitchen	EDAKY 3A	11:12
					•		26	1:04
		Men			5, ~	Held Start	ED4S - 24	11:09
		c					Jβ	11:05
		el/Kanz).√	Outside 11	EDAINE- IA	11:05
Notes	Sample Volume (mL)	Sample Type	Time of Last Use (12 HR Clock)	Date of Last Use	Fixture Type	Sample Location Description	Sample ID Number	Sample Time (12 HR Clock)
						on Date: TAPLAY	Sample Collection Date: Collected by:	
						107	Building ID: Building Description:	
3							ISBE ID:	

Aires Consulting - Gallagher Bassett
Project Number: 17-

Field Collection-CoC Addendum PAS CoC - Aires

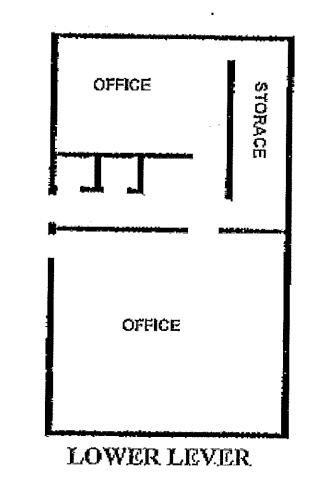
Page __ of __

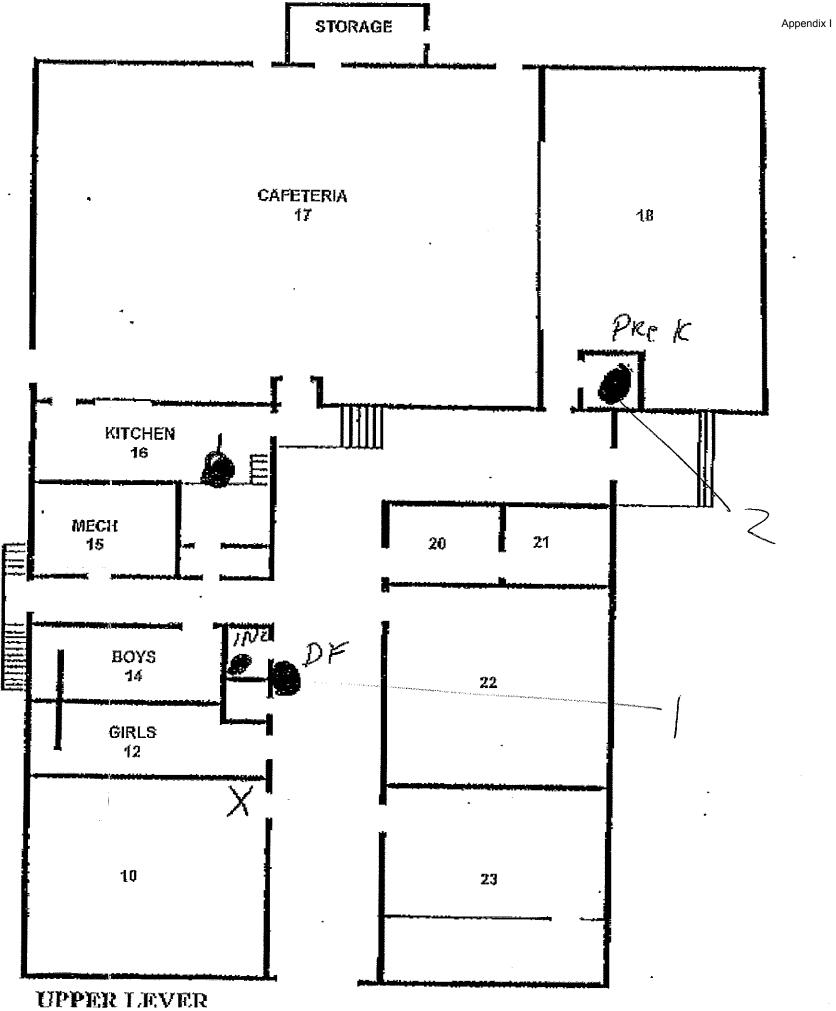
Revision 8 July 31, 2017

ELEMENTARY SCHOOL SQUARE UNIT EAST DUBUQUE, ILLINOIS



CLASS ROOM | KITCHEN = | INCOMING = |







Wednesday, December 6, 2017

17K0373

PAS WO:

Geoff Bacci II

Aires Consulting Group 1550 Hubbard Ave. Batavia, IL 60510

TEL: (630) 879-3006 FAX: (630) 879-3014

RE: East Dubuque Admin Office

Prairie Analytical Systems, Inc. received 7 sample(s) on 11/14/2017 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,

(hrota)

Christina E. Pierce

Project Manager

Certifications: NELAP/NELAC - IL #100323

Date: 12/6/2017

LABORATORY RESULTS

Client: Project: Client Sample ID: Collection Date:	Aires Consulting East Dubuque Ad EDAWF-1A 11/10/17 11:05	-	e				Lab Order: Lab ID: Matrix:	17K0373 17K0373-01 Drinking Water		
Analyses	11/10/17 11:03	Result	Limit	Qual	Units	DF	Date Prepared	_	Method	Analyst
Metals by ICP-MS *Lead		U	2.00	Ç	μg/L	1	11/28/17 9:5		EPA200.8 R5.	ЈТС
Client Sample ID: Collection Date:	EDAWF-1B 11/10/17 11:05							17K0373-02 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	11/28/17 9:5	57 11/28/17 22:09	EPA200.8 R5.	JTC
Client Sample ID: Collection Date:	EDAS-2A 11/10/17 11:09							17K0373-03 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	11/28/17 9:5	57 11/28/17 22:12	EPA200.8 R5.	JTC
Client Sample ID: Collection Date:	EDAS-2B 11/10/17 11:09							17K0373-04 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	11/28/17 9:5	57 11/28/17 22:15	EPA200.8 R5.	JTC
Client Sample ID: Collection Date:	EDAKS-3A 11/10/17 11:12						Lab ID: Matrix:	17K0373-05 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	11/28/17 10:0	01 11/28/17 22:24	EPA200.8 R5.	JTC
Client Sample ID: Collection Date:	EDAKS-3B 11/10/17 11:12							17K0373-06 Drinking Water		
Analyses		Result	Limit	Qual	Units	DF	Date Prepared	_	Method	Analyst
Metals by ICP-MS										

U *Lead 2.00 μg/L 11/28/17 10:01 11/28/17 22:44 EPA200.8 R5. JTC

Client Sample ID: EDAIF-4 **Lab ID:** 17K0373-07 **Collection Date:** Matrix: Drinking Water 11/10/17 11:20

Result Limit Qual Units DF **Date Prepared** Date Analyzed Method Analyst Analyses Metals by ICP-MS *Lead U 2.00 $\mu g \! / \! L$ 1 11/28/17 10:01 11/28/17 22:47 EPA200.8 R5.

Date: 12/6/2017

LABORATORY RESULTS

Client: Aires Consulting Group

Project: East Dubuque Admin Office

11/10/17 11:20

Client Sample ID: EDAIF-4

Collection Date:

Lab Order: 17K0373

Lab ID: 17K0373-07

Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Conventional Chemistry Parameters pH	7.36	0.0100		pH Units	1	11/10/17 11:20	11/10/17 11:20	EPA150.1	

Date: 12/6/2017 Prairie Analytical Systems, Inc.

LABORATORY RESULTS

Client: Aires Consulting Group

East Dubuque Admin Office **Project:** Lab Order: 17K0373

Metals by ICP-MS - Quality Control

	Reporting		Spike	Source		%REC		RPD	
Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
			Prepared &	Analyzed:	11/28/201				
U	2.00	$\mu g/L$							
			Prepared &	Analyzed:	11/28/201				
494	2.00	μg/L	500.00	•	99	85-115			
Sour	ce: 17K0042-	43	Prepared &	Analyzed:	11/28/201				
480	2.00	μg/L	500.00	7.00	95	75-125			
Sour	ce: 17K0075-	07	Prepared &	Analyzed:	11/28/201				
467	2.00	μg/L	500.00	0.331	93	75-125			
Sour	ce: 17K0042-	43	Prepared &	Analyzed:	11/28/201				
485	2.00	$\mu g/L$	500.00	7.00	96	75-125	1	20	
Sour	ce: 17K0075-	07	Prepared &	Analyzed:	11/28/201				
464	2.00	$\mu g/L$	500.00	0.331	93	75-125	0.6	20	
			Prepared &	Analyzed:	11/28/201				
U	2.00	μg/L	*						
			Prepared &	Analyzed:	11/28/201				
489	2.00	μg/L	500.00	•	98	85-115			
Sour	ce: 17K0373-	05	Prepared &	Analyzed:	11/28/201				
446	2.00	μg/L	500.00	1.26	89	75-125			
	U 494 Sour 480 Sour 467 Sour 485 Sour 464 U 489 Sour	U 2.00 494 2.00 Source: 17K0042-480 2.00 Source: 17K0075-467 2.00 Source: 17K0075-464 2.00 U 2.00 U 2.00 Source: 17K0075-464 2.00 Source: 17K0075-464 2.00 Source: 17K0075-464 2.00 Source: 17K0073-489 2.00 Source: 17K0373-489 2.00 Source: 17K0373-489 2.00 Source: 17K0373-489 2.00 Source: 17K0373-499 2.00	Limit Units	Prepared & Prepared &	Prepared & Analyzed: U 2.00 μg/L	Prepared & Analyzed: 11/28/201 U 2.00 μg/L 500.00 7.00 95 75-125 Source: 17K0042-43 Prepared & Analyzed: 11/28/201 467 2.00 μg/L 500.00 0.331 93 75-125 Source: 17K0042-43 Prepared & Analyzed: 11/28/201 488 2.00 μg/L 500.00 0.331 93 75-125 Source: 17K0042-43 Prepared & Analyzed: 11/28/201 467 2.00 μg/L 500.00 0.331 93 75-125 Source: 17K0042-43 Prepared & Analyzed: 11/28/201 485 2.00 μg/L 500.00 7.00 96 75-125 1 20 Source: 17K0075-07 Prepared & Analyzed: 11/28/201 464 2.00 μg/L 500.00 0.331 93 75-125 0.6 20 Prepared & Analyzed: 11/28/201 464 2.00 μg/L 500.00 0.331 93 75-125 0.6 20 489 2.00 μg/L 500.00 98 85-115 Source: 17K0373-05 Prepared & Analyzed: 11/28/201			

Prairie Analytical Systems, Inc.

Date: 12/6/2017

LABORATORY RESULTS

Client: Aires Consulting Group

Project: East Dubuque Admin Office Lab Order: 17K0373

Metals by ICP-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	Result	LIIIII	Ullits	Level	Result	70KEC	Lillits	KID	Lillit	Notes
Batch A007671 - EPA 200.8 Metals										
Matrix Spike (A007671-MS2)	Sourc	ce: 17K0374-	08	Prepared &	Analyzed:	11/28/201				
Lead	459	2.00	$\mu g/L$	500.00	0.111	92	75-125			
Matrix Spike Dup (A007671-MSD1)	Sourc	e: 17K0373-	05	Prepared &	Analyzed:	11/28/201				
Lead	433	2.00	$\mu g/L$	500.00	1.26	86	75-125	3	20	
Matrix Spike Dup (A007671-MSD2)	Sourc	e: 17K0374-	08	Prepared &	Analyzed:	11/28/201				
Lead	526	2.00	μg/L	500.00	0.111	105	75-125	14	20	

Date: 12/6/2017

LABORATORY RESULTS

Client: Aires Consulting Group

Project: East Dubuque Admin Office Lab Order: 17K0373

Notes and Definitions

NELAC certified compound.

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

Chain of Custody Record

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

Systems, INCORPORATED www.prairieanalytical.com Commercial Sampler Comments Residential ОШЬ ☐ Residential Industrial / Method of Shipmen Temperature (°C) ☐ Industrial X - Other (Specify) X - Other (Specify) Reporting □ ccbb Revision 8 July 31, 2017 K В 0 0 OOAT CALM RISC °N M On wet ice? TAM Time □ Yes 5 - 5035 Kit 0-0 2 3 4 QC Level Date Analysis and/or Method Requested (4/1) 4 - NaOH S - Solid Rush Turnaround Time: Standard NA - Non-Aqueous Liquid Received By 3 - HNO3 Date Required: Lead in Drinking Water - IL of Grab Sample Type GW - Ground Water Page Comp 2 - H2SO4 samples No. of Time 2:00 Preserv Code DW - Drinking Water pages) for sample information (Aires Consulting - Gallagher Bassett 11/13/17 Matrix Code 1- HCI Date Copies: White - Client / Yellow - PAS, Inc. / Pink - Sampler East Dubuque School District East Dubuque Admin office Time Analysis requested: Lead in Drinking Water 1550 Hubbard Ave Batavia, IL 60510 Sampling 630.879.3006 Geoff Bacci II A - Aqueous 0 - None 17-18351 Date No. of containers per sample: Re inguished By Unless otherwise noted: See attached Addendum (Preservative Code: 0 Sample Type: Grab PAS COC - Aires Matrix Code: DW Sample Description roject Name / Number Preservative Code City, State, Zip Code Phone / Facsimile Matrix Code .O. # or Invoice Project Location Contact Person Address Client Page of 8

Aires Consulting - Gallagher Bassett Project Number: 17-18351

080431190220000

11/10/2017

Sample Collection Date: Building Description:

Building ID:

Collected by:

Dan Petras

East Dubuque Admin office

							pH = 7.36									Revision 8 July 31, 2017
Notes																
Sample Volume (mL)	250	250	250	250	250	250	250									
Sample Type	First Draw	Flush	First Draw	Flush	First Draw	Flush	Flush									
Time of Last Use (12 HR Clock)	7:00 PM	7:00 PM	7:00 PM	7:00 PM	7:00 PM	7:00 PM	7:00 PM									
Date of Last Use	11/9/2017	11/9/2017	11/9/2017	11/9/2017	11/9/2017	11/9/2017	11/9/2017				3					Page 2 of 2
Fixture Type	WF - Water Cooler	WF - Water Cooler	S - Sink	S - Sink	KS - Kitchen Sink	KS - Kitchen Sink	0 - Other	2238								
Sample Location Description	Outside room 11	Outside room 11	Head start room	Head start room	Kitchen	Kitchen	Mechanical room									
Sample ID Number	EDAWF-1A	EDAWF-1B	EDAS-2A	EDAS-2B	EDAKS-3A	EDAKS-3B	EDAIF-4									oC Addendum
Sample Time (12 HR Clock)	11:05 AM	11:05 AM	11:09 AM	11:09 AM	11:12 AM	11:12 AM	11:20 AM							Pa	ge 8	8 d Collection-CoC Addendum CoC - Aires

nn 8 017