



June 7, 2017

Via E-Mail: Joshua_I_williams@dekalbschoolsga.org

Mr. Joshua L. Williams, MBA, MSM, PMP
Chief Operations Officer
DeKalb County School District
Operations Division
Sam Moss Service Center
1780 Montreal Road
Tucker, Georgia 30084

**Re: Lead in Drinking Water Sample Results
North DeKalb Stadium (Facility ID #9001)
3662 Pierce Drive, Atlanta, Georgia 30341
AEM Project No. 1561-1601**

Dear Mr. Williams:

Atlanta Environmental Management, Inc. (AEM) is pleased to provide the DeKalb County School District (DCSD) an electronic copy of the Lead in Drinking Water Sample Results for North DeKalb Stadium (Facility ID #9001). Samples were collected on May 19, 2017. Laboratory analytical results were received from Analytical Environmental Services, Inc., on June 5, 2017.

FINDINGS

AEM collected 15 drinking water samples from 7 of sources at North DeKalb Stadium (Facility ID #9001), including two duplicate samples. A description of the drinking water outlets sampled and a summary of sample analytical results are provided in the attached table.

None of the samples collected and analyzed contained lead at a concentration equal to or above EPA's action level of 15 parts per billion.

We appreciate your selection of AEM for this project. If you have any questions, please do not hesitate to contact us.

Sincerely,

Atlanta Environmental Management, Inc.


Leona Miles, CHMM
Senior Project Manager


Janet T. Hart
President

/krf

cc: Daniel Drake (DCSD)
Tracee Hill (DCSD)
Sandra Glen (DeKalb County Watershed Management)
Ryan Cira (DeKalb Board of Health)

Attachment: Table

Table 1. Summary of Lead in Drinking Water Laboratory Analytical Results
North Dekalb Stadium
3662 Pierce Drive, Atlanta, GA 30341



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
9001-051917-DF-001-A	Initial Draw sample; No Brand Drinking Fountain in Home Team Locker Room on Right Side; Rusted; Wall-mounted	05/19/17 5:20 AM	None Detected
9001-051917-DF-001-B	Flush sample; No Brand Drinking Fountain in Home Team Locker Room on Right Side; Rusted; Wall-mounted	05/19/17 5:21 AM	None Detected
9001-051917-DF-002-A	Initial Draw sample; No Brand Drinking Fountain in Hallway outside of Men's RR; Wall-mounted	05/19/17 5:15 AM	12.1
9001-051917-DF-002-B	Flush sample; No Brand Drinking Fountain in Hallway outside of Men's RR; Wall-mounted	05/19/17 5:16 AM	1.55
9001-051917-DF-003-A	Initial Draw sample; No Brand Drinking Fountain in Hallway outside of Girl's RR; Old; Wall-mounted	05/19/17 5:08 AM	None Detected
9001-051917-DF-003-B	Flush sample; No Brand Drinking Fountain in Hallway outside of Girl's RR; Old; Wall-mounted	05/19/17 5:09 AM	None Detected
9001-051917-DF-004-A	Initial Draw sample; Single Elkay Drinking Fountain in Visiting Team Locker Room on Left Side; Wall-mounted	05/19/17 4:57 AM	9.65
9001-051917-DF-004-B	Flush sample; Single Elkay Drinking Fountain in Visiting Team Locker Room on Left Side; Wall-mounted	05/19/17 4:58 AM	5.80
9001-051917-RS-001-A	Initial Draw sample; Far Right Sink in Visiting Team Locker Rm on Left Side	05/19/17 5:00 AM	1.72
9001-051917-RS-001-B	Flush sample; Far Right Sink in Visiting Team Locker Rm on Left Side	05/19/17 5:02 AM	None Detected
9001-051917-RS-002-A	Initial Draw sample; Far right Sink in Girl's RR near Concession	05/19/17 5:06 AM	None Detected
9001-051917-RS-002-B	Flush sample; Far right Sink in Girl's RR near Concession	05/19/17 5:07 AM	None Detected
9001-051917-SC-001-A	Main Service Connection Entry into Building	05/19/17 4:52 AM	1.64

Notes:

ppb-parts per billion

Bold-Exceeds 15 ppb--EPA's Action Level for Lead

* Note--Where "A" and "B" are indicated, AEM collected two samples at each source area location: ("A") initial draw sample; and ("B") after a 30-second flush sample



June 19, 2017

Via E-Mail: Joshua_I_williams@dekalbschoolsga.org

Mr. Joshua L. Williams, MBA, MSM, PMP
Chief Operations Officer
DeKalb County School District
Operations Division
Sam Moss Service Center
1780 Montreal Road
Tucker, Georgia 30084

**Re: Lead in Drinking Water Sampling Report
North DeKalb Stadium (Facility ID #9001)
3662 Pierce Drive, Atlanta, Georgia 30341
AEM Project No. 1561-1601**

Dear Mr. Williams:

Atlanta Environmental Management, Inc. (AEM) is pleased to provide the DeKalb County School District (DCSD) an electronic copy of the Final Technical Lead in Drinking Water Sampling Report for the North DeKalb Stadium Facility (Facility ID #9001). Samples were collected on May 19, 2017. Laboratory analytical results were received from Analytical Environmental Services, Inc., on June 5, 2017.

FINDINGS

AEM collected 15 drinking water samples from 7 sources at North DeKalb Stadium (Facility ID #9001), including two duplicate samples. Figure 1 depicts the source sample locations. Samples were collected in accordance with the Water Sampling Methodology Protocol for DeKalb County School District, dated September 12, 2016. A copy of AEM's Field Sampling Notes is provided in Attachment A.

A description of the drinking water outlets sampled and a summary of sample analytical results are provided in Table 1. None of the samples collected and analyzed contained lead at a concentration equal to or above the U.S. Environmental Protection Agency's action level of 15 parts per billion. A copy of the AES laboratory analytical report is provided in Attachment B.

Mr. Joshua Williams—DeKalb County School District
June 19, 2017
Page 2

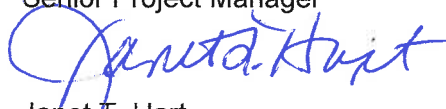
We appreciate your selection of AEM for this project. If you have any questions, please do not hesitate to contact us.

Sincerely,

Atlanta Environmental Management, Inc.



Leona Miles, CHMM
Senior Project Manager



Janet T. Hart
President

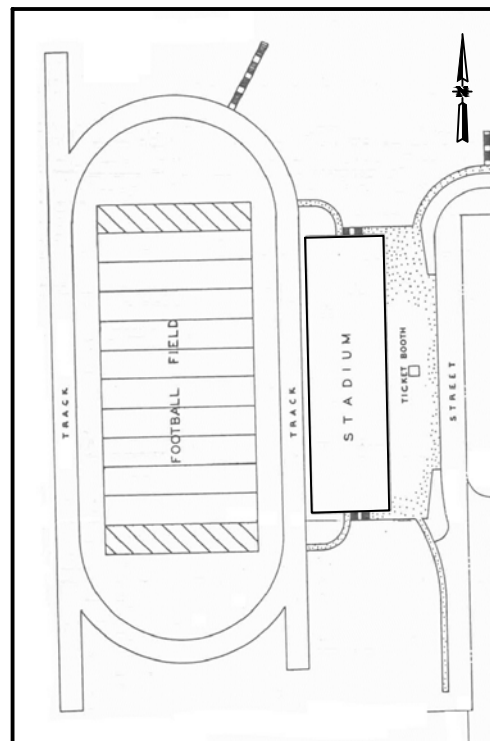
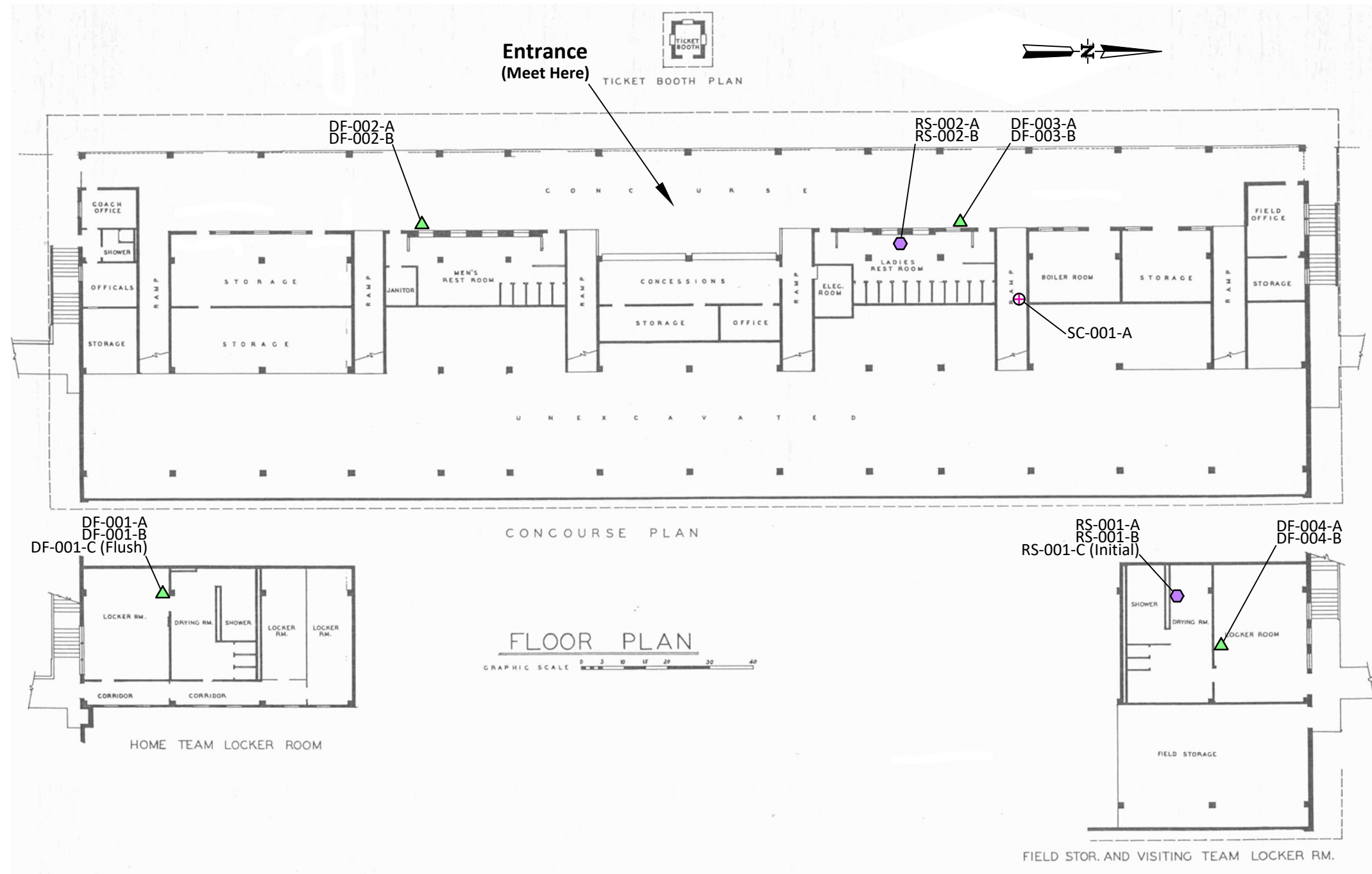
/krf


cc: Daniel Drake (DCSD)
Tracee Hill (DCSD)

FIGURE

Legend

- - Athletic Field (AF)
- - Cafeteria Sink (CS)
- ▲ - Drinking Fountain (DF)
- ◆ - Ice Maker (IM)
- - Kindergarten Sink (KS)
- ★ - Other (OT)
- - Restroom Sink (RS)
- ⊕ - Service Connection (SC)
- * - Teachers Lounge (TL)



 Atlanta Environmental Management, Inc. <small>Environmental Consulting, Engineering, Hydrogeologic Services</small> 2580 Northeast Expressway • Atlanta, Georgia 30345 Phone: 404.329.9006 • Fax: 404.329.2057			
PROJECT #:	1561-1601-9001	DATE:	June 16, 2017
DRAWN BY:	AL	REVISED:	----
CHECKED BY:	TR	SCALE:	NTS
PROJECT MGR:	LM	PRINTED:	6/19/2017 4:16 PM

Client: DeKalb County School District Site Location: North DeKalb Stadium (9001) 3662 Pierce Drive Atlanta, GA 30341	
<h2>Sample Location Plan</h2>	
Figure <h1>1</h1>	

G:\DWG\1561-1601 DeKalb County Schools\9001\9001

TABLE

Table 1. Summary of Lead in Drinking Water Laboratory Analytical Results

North Dekalb Stadium
3662 Pierce Drive, Atlanta, GA 30341



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
9001-051917-DF-001-A	Initial Draw sample; No Brand Drinking Fountain in Home Team Locker Room on Right Side; Rusted; Wall-mounted	05/19/17 5:20 AM	None Detected
9001-051917-DF-001-B	Flush sample; No Brand Drinking Fountain in Home Team Locker Room on Right Side; Rusted; Wall-mounted	05/19/17 5:21 AM	None Detected
9001-051917-DF-001-C	Flush sample duplicate; No Brand Drinking Fountain in Home Team Locker Room on Right Side; Rusted; Wall-mounted	05/19/17 5:22 AM	None Detected
9001-051917-DF-002-A	Initial Draw sample; No Brand Drinking Fountain in Hallway outside of Men's RR; Wall-mounted	05/19/17 5:15 AM	12.1
9001-051917-DF-002-B	Flush sample; No Brand Drinking Fountain in Hallway outside of Men's RR; Wall-mounted	05/19/17 5:16 AM	1.55
9001-051917-DF-003-A	Initial Draw sample; No Brand Drinking Fountain in Hallway outside of Girl's RR; Old; Wall-mounted	05/19/17 5:08 AM	None Detected
9001-051917-DF-003-B	Flush sample; No Brand Drinking Fountain in Hallway outside of Girl's RR; Old; Wall-mounted	05/19/17 5:09 AM	None Detected
9001-051917-DF-004-A	Initial Draw sample; Single Elkay Drinking Fountain in Visiting Team Locker Room on Left Side; Wall-mounted	05/19/17 4:57 AM	9.65
9001-051917-DF-004-B	Flush sample; Single Elkay Drinking Fountain in Visiting Team Locker Room on Left Side; Wall-mounted	05/19/17 4:58 AM	5.80
9001-051917-RS-001-A	Initial Draw sample; Far Right Sink in Visiting Team Locker Rm on Left Side	05/19/17 5:00 AM	1.72
9001-051917-RS-001-B	Flush sample; Far Right Sink in Visiting Team Locker Rm on Left Side	05/19/17 5:02 AM	None Detected
9001-051917-RS-001-C	Initial Draw sample duplicate; Far Right Sink in Visiting Team Locker Rm on Left Side	05/19/17 5:01 AM	1.67
9001-051917-RS-002-A	Initial Draw sample; Far right Sink in Girl's RR near Concession	05/19/17 5:06 AM	None Detected
9001-051917-RS-002-B	Flush sample; Far right Sink in Girl's RR near Concession	05/19/17 5:07 AM	None Detected
9001-051917-SC-001-A	Main Service Connection Entry into Building	05/19/17 4:52 AM	1.64

Notes:

ppb-parts per billion

Bold-Exceeds 15 ppb--EPA's Action Level for Lead

* Note--Where "A" and "B" are indicated, AEM collected two samples at each source area location: ("A") initial draw sample; and ("B") after a 30-second flush sample

ATTACHMENT A
AEM Field Sampling Forms

**DEKALB COUNTY SCHOOL DISTRICT
LEAD IN DRINKING WATER FIELD DATA SHEET**

FACILITY NAME: NORTH DEKALB STADIUM FACILITY
 ADDRESS: 3662 Pierce Drive Atlanta, GA, 30341

FACILITY ID: 9001

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
5/19/17	0515	9001 - 051917 - DF-002-A	outside Mens' RR	In room Hallway	No label; chipped paint; w/m	CD
5/19/17	0516	9001 - 051917 - DF-002-B	"	In room Hallway	"	
5/19/17	0520	9001 - 051917 - DF-001-A	Locker Room on right side	In room Hallway	DF in locker room; no label; Rusted; w/m	CD
5/19/17	0521	9001 - 051917 - DF-001-B	"	In room Hallway		CD
5/19/17	0522	9001 - 051917 - DF-001-C	"	In room Hallway	Flush dup	CD
5/19/17		9001 - 051917 -		In room Hallway		
5/19/17		9001 - 051917 -		In room Hallway		
5/19/17		9001 - 051917 -		In room Hallway		
5/19/17		9001 - 051917 -		In room Hallway		
5/19/17		9001 - 051917 -		In room Hallway		

LOCATION TYPE: AF = athletic field; CS = cafeteria sink; DF = drinking fountain; IM = ice maker; KS = kindergarten sink; RS = restroom sink; SC = service connection; TL = teachers' lounge. SAMPLE TYPE: A = initial draw; B = flush; C = duplicate

**DEKALB COUNTY SCHOOL DISTRICT
LEAD IN DRINKING WATER FIELD DATA SHEET**

FACILITY NAME: NORTH DEKALB STADIUM FACILITY
 ADDRESS: 3662 Pierce Drive Atlanta, GA, 30341

FACILITY ID: 9001

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
5/19/17	0452	9001 - 051917 - SC-001-A	Ramp before women's RR	In room Hallway	second ramp from left	
5/19/17	0457	9001 - 051917 - DF-004-A	Locker room on left side	In room Hallway	single Elkay; WM	
5/19/17	0458	9001 - 051917 - DF-004-B	"	In room Hallway	"	
5/19/17	0500	9001 - 051917 - RS-001-A	"	In room Hallway	Right most sink in Locker Room	
5/19/17	0502	9001 - 051917 - RS-001-B	"	In room Hallway	"	
5/19/17	0501	9001 - 051917 - RS-001-C	"	In room Hallway	"	
5/19/17	0506	9001 - 051917 - RS-002-A	Women's RR near concession	In room Hallway	initial dup sink on far right; WM	
5/19/17	0507	9001 - 051917 - RS-002-B	"	In room Hallway	"	
5/19/17	0508	9001 - 051917 - DF-003-A	outside Women's RR	In room Hallway	Old water fountain w/ chipped paint; missing label; WM	
5/19/17	0509	9001 - 051917 - DF-003-B	"	In room Hallway	"	

LOCATION TYPE: AF = athletic field; CS = cafeteria sink; DF = drinking fountain; IM = ice maker; KS = kindergarten sink; RS = restroom sink; SC = service connection; TL = teachers' lounge. SAMPLE TYPE: A = initial draw; B = flush; C = duplicate

ATTACHMENT B
AES Laboratory Analytical Report

Leona Miles

From: NoReply@aesatlanta.net
Sent: Monday, June 5, 2017 12:29 PM
To: leona-miles@aem-net.com; tim-royer@aem-net.com
Subject: DCSD - 9001
Attachments: 1705I60_REPORT.pdf; 1705I60Invoice.pdf

Please see attached. If you have any questions or need further assistance please contact your project manager at 770-457-8177.

AES Reporting System

ANALYTICAL ENVIRONMENTAL SERVICES, INC.
3080 Presidential Drive ATLANTA, GA 30340
Tel:770-457-8177 Fax:770-457-8188
<http://www.aesatlanta.com>

NOTICE OF CONFIDENTIALITY: The information in this email and / or attachments may be legally privileged and is confidential information intended for the use of the individual or entity named in the email address. If the reader of this message is not the intended recipient, you are hereby notified that any use, dissemination, distribution, or copy of this email and / or attachments is strictly prohibited. If you have received this email in error, please notify Analytical Environmental Services Customer Service by telephone at (770) 457-8177 or by email at info@aesatlanta.com <<mailto:info@aesatlanta.com>> and delete the message. Thank you



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

June 05, 2017

Leona Miles
Atlanta Environmental Mgmt
2580 NE Expressway
Atlanta GA 30345

RE: DCSD - 9001

Dear Leona Miles:

Order No: 1705I60

Analytical Environmental Services, Inc. received 15 samples on 5/19/2017 9:24:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES's accreditations are as follows:

-NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/16-06/30/17.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/16-06/30/17 and Total Coliforms and E. coli, effective 04/25/17-04/24/20.

-NELAC/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/16-06/30/17.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/17.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Ioana Pacurar
Project Manager



ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1405160

Date: 5/19/2017 Page 1 of 1

Form containing company information (Atlanta Environmental Management, Inc), address (2580 Northeast Expressway, NE Atlanta, GA 30345), phone (404) 329-9006, fax (404) 329-2057, and a detailed table of samples with columns for sample ID, date, time, grab/composite status, matrix, and analysis results. Includes project information (DCSD, 1561-1601) and receipt details.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water DW=Drinking Water W = Water (Blanks) O = Other (specify)
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

Analytical Environmental Services, Inc

Date: 5-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9001-051917-DF-001-A
Project Name: DCSD - 9001	Collection Date: 5/19/2017 5:20:00 AM
Lab ID: 1705160-001	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8								
				(E200.2)				
Lead	BRL	1.00		ug/L	243361	1	05/30/2017 18:47	JR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 5-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9001-051917-DF-001-B
Project Name: DCSD - 9001	Collection Date: 5/19/2017 5:21:00 AM
Lab ID: 1705160-002	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	243361	1	05/30/2017 19:11	JR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 5-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9001-051917-DF-001-C
Project Name: DCSD - 9001	Collection Date: 5/19/2017 5:22:00 AM
Lab ID: 1705160-003	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	243361	1	05/30/2017 19:14	JR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 5-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9001-051917-RS-001-A
Project Name: DCSD - 9001	Collection Date: 5/19/2017 5:00:00 AM
Lab ID: 1705160-004	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	1.72	1.00		ug/L	243361	1	05/30/2017 19:18	JR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 5-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9001-051917-RS-001-B
Project Name: DCSD - 9001	Collection Date: 5/19/2017 5:02:00 AM
Lab ID: 1705160-005	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	243361	1	05/30/2017 19:21	JR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 5-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9001-051917-RS-001-C
Project Name: DCSD - 9001	Collection Date: 5/19/2017 5:01:00 AM
Lab ID: 1705160-006	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	1.67	1.00		ug/L	243361	1	05/30/2017 19:25	JR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 5-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9001-051917-RS-002-A
Project Name: DCSD - 9001	Collection Date: 5/19/2017 5:06:00 AM
Lab ID: 1705160-007	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	243361	1	05/30/2017 19:28	JR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 5-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9001-051917-RS-002-B
Project Name: DCSD - 9001	Collection Date: 5/19/2017 5:07:00 AM
Lab ID: 1705160-008	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	243361	1	05/30/2017 19:32	JR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 5-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9001-051917-DF-002-A
Project Name: DCSD - 9001	Collection Date: 5/19/2017 5:15:00 AM
Lab ID: 1705160-009	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	12.1	1.00		ug/L	243361	1	05/30/2017 19:35	JR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 5-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9001-051917-DF-002-B
Project Name: DCSD - 9001	Collection Date: 5/19/2017 5:16:00 AM
Lab ID: 1705160-010	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	1.55	1.00		ug/L	243361	1	05/30/2017 19:39	JR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 5-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9001-051917-DF-003-A
Project Name: DCSD - 9001	Collection Date: 5/19/2017 5:08:00 AM
Lab ID: 1705160-011	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	243361	1	05/30/2017 18:57	JR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 5-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9001-051917-DF-003-B
Project Name: DCSD - 9001	Collection Date: 5/19/2017 5:09:00 AM
Lab ID: 1705I60-012	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	243361	1	05/30/2017 19:42	JR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 5-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9001-051917-DF-004-A
Project Name: DCSD - 9001	Collection Date: 5/19/2017 4:57:00 AM
Lab ID: 1705160-013	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	9.65	1.00		ug/L	243361	1	05/30/2017 19:53	JR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 5-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9001-051917-DF-004-B
Project Name: DCSD - 9001	Collection Date: 5/19/2017 4:58:00 AM
Lab ID: 1705160-014	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	5.80	1.00		ug/L	243361	1	05/30/2017 19:56	JR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 5-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9001-051917-SC-001-A
Project Name: DCSD - 9001	Collection Date: 5/19/2017 4:52:00 AM
Lab ID: 1705160-015	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	1.64	1.00		ug/L	243361	1	05/30/2017 19:59	JR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: _____

AES Work Order Number: _____

2. Carrier: FedEx UPS USPS Client Courier Other _____

	Yes	No	N/A	Details	Comments
3. Shipping container/cooler received in good condition?				damaged <input type="checkbox"/> leaking <input type="checkbox"/> other <input type="checkbox"/>	
4. Custody seals present on shipping container?					
5. Custody seals intact on shipping container?					
6. Temperature blanks present?					
7. Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]				Cooling initiated for recently collected samples / ice present <input type="checkbox"/>	
8. Chain of Custody (COC) present?					
9. Chain of Custody signed, dated, and timed when relinquished and received?					
10. Sampler name and/or signature on COC?					
11. Were all samples received within holding time?					
12. TAT marked on the COC?				If no TAT indicated, proceeded with standard TAT per Terms & Conditions. <input type="checkbox"/>	

13. Cooler 1 Temperature _____ °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C
 Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). _____

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?					
17. Custody seals present on sample containers?					
18. Custody seals intact on sample containers?					
19. Do sample container labels match the COC?				incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?					
21. Were all of the samples listed on the COC received?				samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?					
23. Did we receive sufficient sample volume for indicated analyses?					
24. Were samples received in appropriate containers?					
25. Were VOA samples received without headspace (< 1/4" bubble)?					
26. Were trip blanks submitted?				listed on COC <input type="checkbox"/> not listed on COC <input type="checkbox"/>	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). _____

	Yes	No	N/A	Details	Comments
28. Have containers needing chemical preservation been checked?					
29. Containers meet preservation guidelines?					
30. Was pH adjusted?					

I certify that I have completed sections 28-30 (dated initials). _____

Client: Atlanta Environmental Mgmt
Project Name: DCSD - 9001
Workorder: 1705160

ANALYTICAL QC SUMMARY REPORT

BatchID: 243361

Sample ID: MB-243361	Client ID:	Units: ug/L	Prep Date: 05/30/2017	Run No: 344289							
SampleType: MBLK	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 243361	Analysis Date: 05/30/2017	Seq No: 7552686							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead BRL 1.00

Sample ID: LCS-243361	Client ID:	Units: ug/L	Prep Date: 05/30/2017	Run No: 344289							
SampleType: LCS	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 243361	Analysis Date: 05/30/2017	Seq No: 7552687							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 95.81 1.00 100.0 95.8 85 115

Sample ID: 1705160-001AMS	Client ID: 9001-051917-DF-001-A	Units: ug/L	Prep Date: 05/30/2017	Run No: 344289							
SampleType: MS	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 243361	Analysis Date: 05/30/2017	Seq No: 7552689							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 92.16 1.00 100.0 0.5870 91.6 70 130

Sample ID: 1705160-011AMS	Client ID: 9001-051917-DF-003-A	Units: ug/L	Prep Date: 05/30/2017	Run No: 344289							
SampleType: MS	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 243361	Analysis Date: 05/30/2017	Seq No: 7552692							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 95.21 1.00 100.0 0.7814 94.4 70 130

Sample ID: 1705160-001AMSD	Client ID: 9001-051917-DF-001-A	Units: ug/L	Prep Date: 05/30/2017	Run No: 344289							
SampleType: MSD	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 243361	Analysis Date: 05/30/2017	Seq No: 7552690							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 93.53 1.00 100.0 0.5870 92.9 70 130 92.16 1.47 20

Qualifiers: > Greater than Result value < Less than Result value B Analyte detected in the associated method blank
 BRL Below reporting limit E Estimated (value above quantitation range) H Holding times for preparation or analysis exceeded
 J Estimated value detected below Reporting Limit N Analyte not NELAC certified R RPD outside limits due to matrix
 Rpt Lim Reporting Limit S Spike Recovery outside limits due to matrix