

Coleman Creek Consulting, Inc.

DRINKING WATER SAMPLING

OF

PHOENIX ESD FACILITY

5465 S. PACIFIC HWY., PHOENIX, OREGON

FOR

SOUTHERN OREGON EDUCATION SERVICE DISTRICT

INTRODUCTION

Coleman Creek Consulting, Inc. (CCC) was retained by the Southern Oregon Education Service District (SOESD) to perform representative drinking water sampling of the Phoenix ESD Facility at the above address. The purpose of the drinking water sampling was to determine the concentration of lead and copper in representative drinking water sources and compare with regulatory standards.

DRINKING WATER SAMPLING

David W. Fawcett of CCC visited the Phoenix ESD Facility on June 28, 2017, accompanied by Mark Salter. Mr. Fawcett and Mr. Salter reviewed the drinking water sources in the main building, two-story building, and TRC building and selected five representative locations based on presumed utilization by building occupants. See Site Sample Record Sheet (page 3) for a description of the sample location areas. The drinking water samples were collected early in the morning, ensuring that the sampled sources had not been in use since the previous day. The samples were placed in a cooler and transported to Neilson Research Corporation for analysis.

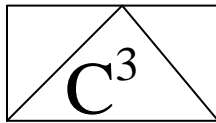
LEAD ANALYSIS/COMPARISON WITH REGULATORY LIMITS

The drinking water samples collected were analyzed for lead using EPA Method 200.8.

SAMPLE	DESCRIPTION/LOCATION	LEAD (mg/L)	ACTION LEVEL (mg/L)
17-077G.1	Hall fountain at Entrance	0.00174	0.015
17-077G.2	Break Room Sink	0.00162	0.015
17-077G.3	Transition Sink	0.00445	0.015
17-077G.4	Two-Story Kitchen Sink	0.00591	0.015
17-077G.5	TC3 Sink in Main Room	0.00612	0.015

PRIMARY DRINKING WATER STANDARDS FOR LEAD

The Safe Drinking Water Act established National Primary Drinking Water Regulations for public drinking water systems. An "Action Level" for lead concentration in water was established at 0.015 mg/L. The public drinking water system must control for corrosiveness if more than 10% or tap water samples are reported above the Lead Action Level of 0.015 mg/L.



Coleman Creek Consulting, Inc.

COPPER ANALYSIS/COMPARISON WITH REGULATORY LIMITS

The drinking water samples collected were analyzed for copper using EPA Method 200.8.

SAMPLE	DESCRIPTION/LOCATION	COPPER (mg/L)	ACTION LEVEL (mg/L)
17-077G.1	Hall at Entrance	0.613	1.3
17-077G.2	Break Room Sink	0.0419	1.3
17-077G.3	Transition Sink	0.0875	1.3
17-077G.4	Two-Story Kitchen	0.00689	1.3
17-077G.5	TC3 Sink in Main Room	0.054	1.3

PRIMARY DRINKING WATER STANDARDS FOR COPPER

The Safe Drinking Water Act established National Primary Drinking Water Regulations for public drinking water systems. An "Action Level" for copper concentration in water was established at 1.3 mg/L. The public drinking water system must control for corrosiveness if more than 10% of tap water samples are reported above the Copper Action Level of 1.3 mg/L.

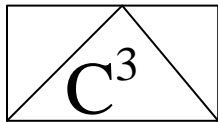
CONCLUSIONS

Five water samples were collected from representative drinking water sources at the Phoenix ESD buildings at a time ensuring the drinking water sources had not been used since the previous day. All five water samples were analyzed for lead and copper, and all were reported below the EPA Action Level of 0.015 mg/L Lead and 1.3 mg/L Copper.

RECOMMENDATIONS

Coleman Creek Consulting, Inc. has no recommendations for drinking water sampling at the Phoenix ESD Facility at this time. Coleman Creek Consulting, Inc. appreciates the opportunity to continue to perform environmental sampling and consulting services to Southern Oregon Education Service District.

David W. Fawcett
Director of Consulting Services



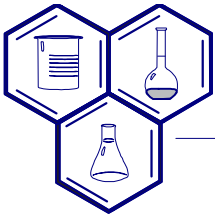
Coleman Creek Consulting, Inc.

DRINKING WATER LEAD/COPPER SAMPLE RECORD SHEET

FACILITY: Phoenix ESD
ADDRESS: 5465 S. Pacific Hwy.
Phoenix, Oregon

DATE: 06-28-17
SAMPLER: David W. Fawcett

SAMPLE #	SOURCE DESCRIPTION	LOCATION	COLLECTION TIME
17-077G.1	Drinking Fountain	Hall at Entrance	0534
17-077G.2	Sink Faucet	Break Room Sink	0537
17-077G.3	Sink Faucet	Transition Sink	0540
17-077G.4	Sink Faucet	Two-Story Kitchen	0543
17-077G.5	Sink Faucet	TC3 Sink in Main Room	0546



NEILSON RESEARCH CORPORATION

Environmental Testing Laboratory

7/5/2017

Dave Fawcett
Coleman Creek Consulting
810 Leonard St
Ashland, OR 97520

TEL: (541) 535-7108

FAX: (541) 535-8795

RE: 17-077G Pheonix ESD

Order No.: 1706B11

Dear Dave Fawcett:

Neilson Research Corporation received 5 sample(s) on 6/28/2017 for the analyses presented in the following report.

The results relate only to the parameters tested or to the sample as received by the laboratory. This report shall not be reproduced except in full, without the written approval of Neilson Research Corporation. If you have any questions regarding these test results, please feel free to call.

Sincerely,
Neilson Research Corporation

Tamra R. Schmedemann
Project Manager

Neilson Research Corporation

245 South Grape Street, Medford, Oregon 97501 541-770-5678 Fax 541-770-2901

Analysis Report

ORELAP 100016
EPA OR00028

CLIENT: Coleman Creek Consulting
Project: 17-077G Pheonix ESD
Lab Order: 1706B11

Date: 05-Jul-17

CASE NARRATIVE

The analyses were performed according to the guidelines in the Neilson Research Corporation Quality Assurance Program. This report contains analytical results for the sample(s) as received by the laboratory.

Neilson Research Corporation certifies that this report is in compliance with the requirements of NELAP. No unusual difficulties were experienced during analysis of this batch except as noted below or qualified with data flags on the reports.

The EPA recommended action level for lead in schools is 0.020 mg/L.

Neilson Research Corporation

245 South Grape Street, Medford, Oregon 97501 541-770-5678 Fax 541-770-2901

Analysis Report

ORELAP 100016
EPA OR00028

Coleman Creek Consulting

810 Leonard St
Ashland, OR 97520

Lab Order: **1706B11**

Received Date: **6/28/2017 12:05:00 PM**

Reported Date: **7/5/2017 1:26:31 PM**

Sample Information: 17-077G Pheonix ESD

Lab ID: 1706B11-01

Collection Date: 6/28/2017 5:34:00 AM
Matrix: DRINKING WATER

Client Sample ID: 17-077G.1
Source: City Water
Sample Location:

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: OML	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Copper	0.613		0.0005	mg/L	1	6/30/2017	A
Lead	0.00174		0.0001	mg/L	1	6/30/2017	A

Lab ID: 1706B11-02

Collection Date: 6/28/2017 5:37:00 AM
Matrix: DRINKING WATER

Client Sample ID: 17-077G.2
Source: City Water
Sample Location:

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: OML	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Copper	0.0419		0.0005	mg/L	1	6/30/2017	A
Lead	0.00162		0.0001	mg/L	1	6/30/2017	A

Lab ID: 1706B11-03

Collection Date: 6/28/2017 5:40:00 AM
Matrix: DRINKING WATER

Client Sample ID: 17-077G.3
Source: City Water
Sample Location:

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: OML	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Copper	0.0875		0.0005	mg/L	1	6/30/2017	A
Lead	0.00445		0.0001	mg/L	1	6/30/2017	A

Lab ID: 1706B11-04

Collection Date: 6/28/2017 5:43:00 AM
Matrix: DRINKING WATER

Client Sample ID: 17-077G.4
Source: City Water
Sample Location:

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: OML	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Copper	0.00689		0.0005	mg/L	1	6/30/2017	A
Lead	0.00591		0.0001	mg/L	1	6/30/2017	A

Lab ID: 1706B11-05

Collection Date: 6/28/2017 5:46:00 AM
Matrix: DRINKING WATER

Client Sample ID: 17-077G.5
Source: City Water
Sample Location:

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: OML	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Copper	0.0540		0.0005	mg/L	1	6/30/2017	A
Lead	0.00612		0.0001	mg/L	1	6/30/2017	A

Qualifiers:

- | | |
|--|---|
| <ul style="list-style-type: none"> * Value exceeds Maximum Contaminant Level E Value above quantitation range J Analyte detected below quantitation limits S Spike Recovery outside accepted recovery limits | <ul style="list-style-type: none"> B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Minimum Reporting Limit |
|--|---|

CLIENT: Coleman Creek Consulting
 Work Order: 1706B11
 Project: 17-077G Pheonix ESD

ANALYTICAL QC SUMMARY REPORT

TestCode: ICPMS_200.8_SCHOOL

Sample ID: MB-38596	SampType: MBLK	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 6/29/2017	RunNo: 96290						
Client ID: ZZZZZ	Batch ID: 38596	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 6/30/2017	SeqNo: 1457609						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper	ND	0.000500									
Lead	ND	0.000100									

Sample ID: LCS-38596	SampType: LCS	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 6/29/2017	RunNo: 96290						
Client ID: ZZZZZ	Batch ID: 38596	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 6/30/2017	SeqNo: 1457610						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper	0.1040	0.000500	0.1	0	104	85	115				
Lead	0.09892	0.000100	0.1	0	98.9	85	115				

Sample ID: 1706A86-01AMS	SampType: MS	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 6/29/2017	RunNo: 96290						
Client ID: ZZZZZ	Batch ID: 38596	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 6/30/2017	SeqNo: 1457625						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper	0.1089	0.000500	0.1	0.01875	90.2	70	130				
Lead	0.09812	0.000100	0.1	0.000337	97.8	70	130				

Sample ID: 1706A86-01AMSD	SampType: MSD	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 6/29/2017	RunNo: 96290						
Client ID: ZZZZZ	Batch ID: 38596	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 6/30/2017	SeqNo: 1457626						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper	0.1088	0.000500	0.1	0.01875	90.1	70	130	0.1089	0.122	20	
Lead	0.09768	0.000100	0.1	0.000337	97.3	70	130	0.09812	0.449	20	

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Minimum Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits



Environmental Testing Laboratory
 245 South Grape Street • Medford, OR 97501
 (541) 770-5678 Fax (541) 770-2909

Chain of Custody Record

This Chain of Custody is a LEGAL DOCUMENT and must be filled out accurately.

Section A Required Client Information

Company: Delmar Creek Conlth
 Address: _____
 Email: _____
 Phone: _____ Fax: _____
 Collected By (Print): David W. Farwell
 Collected By (Sign): [Signature]
 Email Report Yes No Mail Report Yes No
 Fax Report Yes No

Section B Required Project Information

Project Name: Phoenix ESD
 Project Number: 17-0776
 Report To: _____
 Copy To: _____

Section C Invoice Information

Attention: _____
 Company Name: _____
 Address: _____
 P.O. # _____

Section D Rush Status (Subject to Scheduling)

Standard 10-14 Days
 5 Business Days (50% surcharge)
 3 Business Days (75% surcharge)
 24 - 48 hours (100% surcharge)
 Other _____
 Authorized Yes No

Section E Sample Information

Sample ID	Comp/Grab	Matrix	Date Collected	Time Collected	No. of Containers	Analysis Requested	NRC Workorder # (Lab Use Only)	NRC Sample # (Lab Use Only)
17-0776-1	Grab	DW	6-28-17	0534	1	ph/a	176811	01
2				0537	1			03
3				0540	1			04
4				0543	1			05
5				0546	1			07

Section F Relinquish/Receive

Relinquished By: [Signature] Sign
 Received By: David W. Farwell Print
 Relinquished By: _____ Date: 6-28-17 Time: 12:05
 Received By: _____
 Relinquished By: _____
 Received By: _____
 Relinquished By: _____
 Received By: [Signature] Print
 Received By: Kim Ramsey Date: 6-28-17 Time: 12:05

Section G Lab Use Only

Temp: NA
 4°C +/- 2°C: Yes No
 Received on/ice: Yes No
 Number of Bottles Received: _____
 pH Checked: _____
 CO2 Seals Intact: Yes No NA
 Field Blank Included: Yes No
 Received Via: UPS FedEx Other Hand
 Payment: Invoice Cash VISA, M/C C-check # _____ Amount _____