Coleman Creek Consulting, Inc.

DRINKING WATER LEAD/COPPER SAMPLING

OF

GRANTS PASS REGIONAL ESD FACILITY

409 NW 3RD STREET, GRANTS PASS, 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 lead and copper drinking water sampling of the Grants Pass Regional ESD Facility at the above address. The purpose of the lead and copper 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 Grants Pass Regional ESD Facility on June 28, 2017, accompanied by Mark Salter. Mr. Fawcett collected a lead and copper drinking water sample from the break room kitchen sink. See Site Sample Record Sheet (page 3) for a description of the sample location area. The drinking water sample was collected in the early morning, ensuring that the sample source had not been in use since the previous day. The sample was placed in a cooler and transported to Neilson Research Corporation for lead analysis.

LEAD ANALYSIS/COMPARISON WITH REGULATORY LIMITS

The drinking water sample collected was analyzed for lead using EPA Method 200.8.

SAMPLE	DESCRIPTION/LOCATION	LEAD (mg/L)	ACTION LEVEL (mg/L)
17-077G.17	Break Room Kitchen Sink	0.00512	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 Action Level of 0.015 mg/L.

COPPER ANALYSIS/COMPARISON WITH REGULATORY LIMITS

The drinking water sample collected was analyzed for copper using EPA Method 200.8.

SAMPLE	DESCRIPTION/LOCATION	COPPER (mg/L)	ACTION LEVEL (mg/L)
17-077G.17	Break Room Kitchen Sink	0.125	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

One water sample was collected from a representative drinking water source at the Grants Pass Regional ESD Facility at a time ensuring the drinking water source had not been in use since the previous day. The water sample was analyzed for lead and copper, and was 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 lead and copper drinking water sampling at the Grants Pass Regional 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

DRINKING WATER LEAD/COPPER SAMPLE RECORD SHEET

FACILITY: Grants Pass Regional Office
ADDRESS: 409 NW 3rd Street
Grants Pass, Oregon

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

SAMPLE #	SOURCE DESCRIPTION	LOCATION	COLLECTION TIME
17-077G.17	Sink Faucet	Break Room Kitchen	0739

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 Regional Office

Order No.: 1706B16

Dear Dave Fawcett:

Neilson Research Corporation received 1 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 Schmedemann

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 Regional Office
Lab Order: 1706B16

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: **1706B16**
Received Date: **6/28/2017 12:05:00 PM**
Reported Date: **7/5/2017 1:47:50 PM**

Sample Information: 17-077G Regional Office

Lab ID: 1706B16-01

Collection Date: 6/28/2017 7:39:00 AM
Matrix: DRINKING WATER

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

Trace Metals by EPA 200.8 ICP-MS — *Analyst: **OML***

Analyses	Result	Qual	MRL	Units	Dilution Factor	Date Analyzed	NELAP Accredited
Copper	**0.125**		0.0005	mg/L	1	6/30/2017	A
Lead	**0.00512**		0.0001	mg/L	1	6/30/2017	A

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
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
S	Spike Recovery outside accepted recovery limits		

Neilson Research Corporation

Date: 05-Jul-17

CLIENT: Coleman Creek Consulting
Work Order: 1706B16
Project: 17-077G Regional Office

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

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NEILSON RESEARCH CORPORATION
Environmental Testing Laboratory
245 South Grape Street * Medford, OR 97501
(541) 770-5678 fax (541) 770-2901

Chain of Custody Record

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

Section A
Required Client Information

Company:	Coleman Creek
Address:	
Email:	
Phone:	Fax:
Collected By (Print):	David W. Fawcett
Collected By (Sign):	
Email Report X Yes ___ No	Mail Report X Yes ___ No
Fax Report ___ Yes ___ No	

Section B
Required Project Information

Project Name:	Regional Office
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: Pb / Cu	Remarks/Field Data	NRC Sample # (Lab Use Only)
17-0776.17	Grab	DW	6-28-17	0739	1	X		01

NRC Workorder # (Lab Use Only) 17062LC

*Matrix: **DW** - Drinking Water **WW** - Wastewater **W** - Water **S** - Soil/Solid **SL** - Sludge **O** - Oil **WP** - Wipe **OT** - Other

Section F
Relinquish/Receive

	Sign	Print	Date	Time
Relinquished By:		David W. Fawcett	6-28-17	1205
Received By:				
Relinquished By:				
Received By:				
Relinquished By:				
Received By Laboratory:		Kim Ramsey	6-28-17	1750

Section G
Lab Use Only

Temp: 11.5
4°C +/- 2°C: ___ Yes ___ No
Received on Ice: ___ Yes ___ No
Number of Bottles Received:
pH Checked:
COC Seals Intact: ___ Yes ___ No ___ NA
Field Blank Included: ___ Yes ___ No
Received Via ___ UPS ___ FedEX ___ Other ___ Hand
Payment: ___ Invoice ___ Cash ___ VISA M/C ___ Check # _____ Amount _____