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 12, 2018, 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)
18-078G.17	Break Room Kitchen Sink	0.00258	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)
18-078G.17	Break Room Kitchen Sink	0.0997	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

Coleman Creek Consulting, Inc.

DRINKING WATER LEAD/COPPER SAMPLE RECORD SHEET

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

DATE: 06-12-18
SAMPLER: David W. Fawcett

SAMPLE #	SOURCE DESCRIPTION	LOCATION	COLLECTION TIME
18-078G.17	Sink Faucet	Break Room Kitchen	0720

NEILSON RESEARCH CORPORATION

Environmental Testing Laboratory

6/22/2018

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

TEL: (541) 535-7108
FAX (541) 535-8795

RE: 18-078G GP Regional

Order No.: 1806459

Dear Dave Fawcett:

Neilson Research Corporation received 1 sample(s) on 6/12/2018 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: 18-078G GP Regional
Lab Order: 1806459

Date: 22-Jun-18

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: **1806459**
Received Date: **6/12/2018 8:50:00 AM**
Reported Date: **6/22/2018 2:19:21 PM**

Sample Information: 18-078G GP Regional

Lab ID: 1806459-01

Collection Date: 6/12/2018 7:20:00 AM
Matrix: DRINKING WATER

Client Sample ID: 18-078G.17
Source
Sample Location:

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

Analyses	Result	Qual	MRL	Units	Dilution Factor	Date Analyzed	NELAP Accredited
Copper	**0.0997**		0.0005	mg/L	1	6/13/2018	A
Lead	**0.00258**		0.0001	mg/L	1	6/13/2018	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: 22-Jun-18

CLIENT: Coleman Creek Consulting
Work Order: 1806459
Project: 18-078G GP Regional

ANALYTICAL QC SUMMARY REPORT

TestCode: ICPMS_200.8_SCHOOL

Sample ID	MB-41392	SampType:	MBLK	TestCode:	ICPMS_200.8	Units:	mg/L	Prep Date:	6/13/2018	RunNo:	104181
Client ID:	ZZZZZ	Batch ID:	41392	TestNo:	EPA 200.8	(EPA 200.8)		Analysis Date:	6/13/2018	SeqNo:	1578627

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-41392	SampType:	LCS	TestCode:	ICPMS_200.8	Units:	mg/L	Prep Date:	6/13/2018	RunNo:	104181
Client ID:	ZZZZZ	Batch ID:	41392	TestNo:	EPA 200.8	(EPA 200.8)		Analysis Date:	6/13/2018	SeqNo:	1578628

Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.08951	0.000500	0.1	0.000026	89.5	85	115				
Lead	0.09364	0.000100	0.1	0.00001	93.6	85	115				

Sample ID	1806454-01AMS	SampType:	MS	TestCode:	ICPMS_200.8	Units:	mg/L	Prep Date:	6/13/2018	RunNo:	104181
Client ID:	ZZZZZ	Batch ID:	41392	TestNo:	EPA 200.8	(EPA 200.8)		Analysis Date:	6/13/2018	SeqNo:	1578647

Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.08603	0.000500	0.1	0.000906	85.1	70	130				
Lead	0.09231	0.000100	0.1	0.000141	92.2	70	130				

Sample ID	1806454-01AMSD	SampType:	MSD	TestCode:	ICPMS_200.8	Units:	mg/L	Prep Date:	6/13/2018	RunNo:	104181
Client ID:	ZZZZZ	Batch ID:	41392	TestNo:	EPA 200.8	(EPA 200.8)		Analysis Date:	6/13/2018	SeqNo:	1578648

Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.08677	0.000500	0.1	0.000906	85.9	70	130	0.08603	0.859	20	
Lead	0.09189	0.000100	0.1	0.000141	91.8	70	130	0.09231	0.454	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

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 Consulting
Address:	810 Leonard St
	Ashland, OR 97520
Email:	fawbro@ccountry.net
Phone:	(541) 535-7108 Fax: (541) 535-8795
Collected By (Print):	David 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:	GP Regional
Project Number:	18-078Gq
Report To:	
Copy To:	

Section C
Invoice Information

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

Section D
Rush Status (Subject to Scheduling)

- X 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)
18-078Gq.17	Grab	DW	6-12-18	0720	1	X		01

NRC Workorder # (Lab Use Only) 18064159

*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 Fawcett	6-12-18	0850
Received By:				
Relinquished By:				
Received By:				
Relinquished By:				
Received By Laboratory:		Naomi OR	6/12/18	850

Section G
Lab Use Only

Temp:	amb
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 X Hand

Payment: X Invoice ___ Cash ___ VISA, M/C ___ Check # _____ Amount _____