

# Coleman Creek Consulting, Inc.

## **DRINKING WATER LEAD/COPPER SAMPLING** OF **GRANTS PASS REGIONAL ESD FACILITY** 409 NW 3<sup>RD</sup> 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.

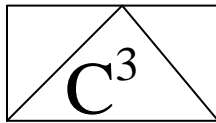
| <b>SAMPLE</b> | <b>DESCRIPTION/LOCATION</b> | <b>LEAD (mg/L)</b> | <b>ACTION LEVEL (mg/L)</b> |
|---------------|-----------------------------|--------------------|----------------------------|
| 17-077G.17    | Break Room Kitchen Sink     | 0.00512            | 0.015                      |

### **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.



# Coleman Creek Consulting, Inc.

| 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.

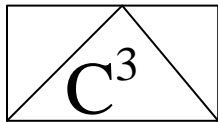
## CONCLUSIONS

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



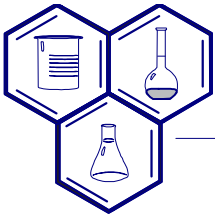
# Coleman Creek Consulting, Inc.

## DRINKING WATER LEAD/COPPER SAMPLE RECORD SHEET

FACILITY: Grants Pass Regional Office  
ADDRESS: 409 NW 3<sup>rd</sup> 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 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: <b>OML</b> | NELAP      |
|----------------------------------|----------------|------|--------|-------|-----------------|---------------------|------------|
| Analyses                         | Result         | Qual | MRL    | Units | Dilution Factor | Date Analyzed       | Accredited |
| <b>Copper</b>                    | <b>0.125</b>   |      | 0.0005 | mg/L  | 1               | 6/30/2017           | A          |
| <b>Lead</b>                      | <b>0.00512</b> |      | 0.0001 | mg/L  | 1               | 6/30/2017           | A          |

### Qualifiers:

\* Value exceeds Maximum Contaminant Level  
E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike Recovery outside accepted recovery limits

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: 1706B16  
 Project: 17-077G Regional Office

**ANALYTICAL QC SUMMARY REPORT**

TestCode: ICPMS\_200.8\_SCHOOL

|                            |                        |                              |                    |                                 |                       |          |           |             |      |          |      |
|----------------------------|------------------------|------------------------------|--------------------|---------------------------------|-----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: <b>MB-38596</b> | SampType: <b>MBLK</b>  | TestCode: <b>ICPMS_200.8</b> | Units: <b>mg/L</b> | Prep Date: <b>6/29/2017</b>     | RunNo: <b>96290</b>   |          |           |             |      |          |      |
| Client ID: <b>ZZZZZ</b>    | Batch ID: <b>38596</b> | TestNo: <b>EPA 200.8</b>     | <b>(EPA 200.8)</b> | Analysis Date: <b>6/30/2017</b> | SeqNo: <b>1457609</b> |          |           |             |      |          |      |
| 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: <b>LCS-38596</b> | SampType: <b>LCS</b>   | TestCode: <b>ICPMS_200.8</b> | Units: <b>mg/L</b> | Prep Date: <b>6/29/2017</b>     | RunNo: <b>96290</b>   |          |           |             |      |          |      |
| Client ID: <b>ZZZZZ</b>     | Batch ID: <b>38596</b> | TestNo: <b>EPA 200.8</b>     | <b>(EPA 200.8)</b> | Analysis Date: <b>6/30/2017</b> | SeqNo: <b>1457610</b> |          |           |             |      |          |      |
| 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: <b>1706A86-01AMS</b> | SampType: <b>MS</b>    | TestCode: <b>ICPMS_200.8</b> | Units: <b>mg/L</b> | Prep Date: <b>6/29/2017</b>     | RunNo: <b>96290</b>   |          |           |             |      |          |      |
| Client ID: <b>ZZZZZ</b>         | Batch ID: <b>38596</b> | TestNo: <b>EPA 200.8</b>     | <b>(EPA 200.8)</b> | Analysis Date: <b>6/30/2017</b> | SeqNo: <b>1457625</b> |          |           |             |      |          |      |
| 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: <b>1706A86-01AMSD</b> | SampType: <b>MSD</b>   | TestCode: <b>ICPMS_200.8</b> | Units: <b>mg/L</b> | Prep Date: <b>6/29/2017</b>     | RunNo: <b>96290</b>   |          |           |             |      |          |      |
| Client ID: <b>ZZZZZ</b>          | Batch ID: <b>38596</b> | TestNo: <b>EPA 200.8</b>     | <b>(EPA 200.8)</b> | Analysis Date: <b>6/30/2017</b> | SeqNo: <b>1457626</b> |          |           |             |      |          |      |
| 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  
 243 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.

Page 1 of 1

**Section A**  
**Required Client Information**

Company: Shelton Cook  
 Address: \_\_\_\_\_  
 Email: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Collected By (Print): David W. Fairmuth  
 Collected By (Sign): [Signature]  
 Email Report  Yes  No Mail Report  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 | NRC Workorder # (Lab Use Only) | NRC Sample # (Lab Use Only) |
|------------|-----------|---------|----------------|----------------|-------------------|--------------------|--------------------------------|-----------------------------|
| 17-0776-17 | Grab      | WW      | 6-28-17        | 0739           | 1                 | 7 Pb/ce            | 170604                         | 9                           |
|            |           |         |                |                |                   |                    |                                |                             |
|            |           |         |                |                |                   |                    |                                |                             |
|            |           |         |                |                |                   |                    |                                |                             |
|            |           |         |                |                |                   |                    |                                |                             |
|            |           |         |                |                |                   |                    |                                |                             |
|            |           |         |                |                |                   |                    |                                |                             |
|            |           |         |                |                |                   |                    |                                |                             |
|            |           |         |                |                |                   |                    |                                |                             |
|            |           |         |                |                |                   |                    |                                |                             |
|            |           |         |                |                |                   |                    |                                |                             |
|            |           |         |                |                |                   |                    |                                |                             |
|            |           |         |                |                |                   |                    |                                |                             |
|            |           |         |                |                |                   |                    |                                |                             |

**Section F**  
**Relinquish/Receive**

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

Relinquished By: [Signature] Sign  
 Received By: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_  
 Received By: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_  
 Received By Laboratory: [Signature]

**Section G**  
**Lab Use Only**

Temp: \_\_\_\_\_  
 4°C +/- 2°C Yes  No   
 Received on ice: Yes  No   
 Number of Bottles Received: \_\_\_\_\_  
 pH Checked: \_\_\_\_\_  
 COC Seals Intact: Yes  No   
 Field Blank Included: Yes  No

Received Via: \_\_\_\_\_  
 UPS  FedEX  Other   
 Payment: \_\_\_\_\_ Invoice \_\_\_\_\_ Cash \_\_\_\_\_ VISA/MC \_\_\_\_\_ Check # \_\_\_\_\_  
 Hand \_\_\_\_\_