

DRINKING WATER LEAD SAMPLING
OF
MEDFORD SOESD BUILDING
101 N. GRAPE STREET, MEDFORD, 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 drinking water sampling of the Medford SOESD Building the above address. The purpose of the lead drinking water sampling was to determine the concentration of lead in representative drinking water sources and compare with regulatory standards.

DRINKING WATER SAMPLING

David W. Fawcett of CCC visited the Medford SOESD Building on June 12, 2016, accompanied by Mark Salter. Mr. Fawcett and Mr. Salter reviewed the building drinking water sources, and selected two representative locations based on presumed utilization by building occupants. Mr. Fawcett collected lead drinking water samples from the drinking fountains in the hall and library. See Site Sample Record Sheet (page 3) for a description of the sample location areas. The drinking water samples were collected on a Sunday, ensuring that the sampled sources had not been in use since the previous Friday. The samples were placed in a cooler and transported to CCC for temporary storage prior to transport the following day to Neilson Research Corporation for lead analysis.

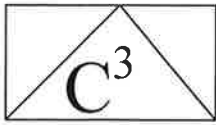
LEAD ANALYSIS/COMPARISON WITH REGULATORY LIMITS

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

SAMPLE	DESCRIPTION/LOCATION	LEAD (mg/L)	ACTION LEVEL (mg/L)
16-069G.4	1 st Floor Hall Drinking Fountain	0.000408	0.015
16-069G.5	1 st Floor Library Drinking Fountain	0.000638	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.



Coleman Creek Consulting, Inc.

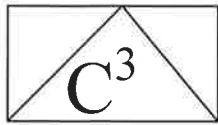
CONCLUSIONS

Two water samples were collected from representative drinking water sources at the Medford SOESD Building at a time ensuring the drinking water sources had not been used for two days. Both water samples were analyzed for lead, and reported more than 10 times below the EPA Action Level of 0.015 mg/L lead.

RECOMMENDATIONS

Coleman Creek Consulting, Inc. has no recommendations for lead drinking water sampling at the Medford SOESD Building 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 SAMPLING
OF
MEDFORD SOESD BUILDING
101 N. GRAPE STREET, MEDFORD, 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 drinking water sampling of the Medford SOESD Building the above address. The purpose of the lead drinking water sampling was to determine the concentration of lead in representative drinking water sources and compare with regulatory standards.

DRINKING WATER SAMPLING

David W. Fawcett of CCC visited the Medford SOESD Building on June 12, 2016, accompanied by Mark Salter. Mr. Fawcett and Mr. Salter reviewed the building drinking water sources, and selected two representative locations based on presumed utilization by building occupants. Mr. Fawcett collected lead drinking water samples from the drinking fountains in the hall and library. See Site Sample Record Sheet (page 3) for a description of the sample location areas. The drinking water samples were collected on a Sunday, ensuring that the sampled sources had not been in use since the previous Friday. The samples were placed in a cooler and transported to CCC for temporary storage prior to transport the following day to Neilson Research Corporation for lead analysis.

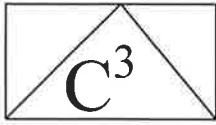
LEAD ANALYSIS/COMPARISON WITH REGULATORY LIMITS

The drinking water samples collected were analyzed for lead using EPA Method 200.8. Asbestos analysis results are found in the EMLab P&K Asbestos PLM Report in Appendix A.

SAMPLE	DESCRIPTION/LOCATION	LEAD (mg/L)	ACTION LEVEL (mg/L)
16-069G.4	1 st Floor Hall Drinking Fountain	0.000408	0.015
16-069G.5	1 st Floor Library Drinking Fountain	0.000638	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.



Coleman Creek Consulting, Inc.

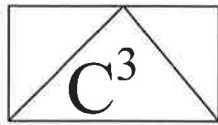
CONCLUSIONS

Two water samples were collected from representative drinking water sources at the Medford SOESD Building at a time ensuring the drinking water sources had not been used for two days. Both water samples were analyzed for lead, and reported more than 10 times below the EPA Action Level of 0.015 mg/L lead.

RECOMMENDATIONS

Coleman Creek Consulting, Inc. has no recommendations for lead drinking water sampling at the Medford SOESD Building 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 SAMPLE RECORD SHEET

FACILITY: Medford
ADDRESS: 101 N. Grape Street
Medford, Oregon

DATE: 06-12-16
SAMPLER: David W. Fawcett

SAMPLE #	SOURCE DESCRIPTION	LOCATION	COLLECTION TIME
16-069G.4	Drinking Fountain	1 st Floor Hall at Soda Machines	1812
16-069G.5	Drinking Fountain	1 st Floor Library	1819

APPENDIX A

**NEILSON RESEARCH ANALYTICAL RESULTS
REPORT**



NEILSON RESEARCH CORPORATION

Environmental Testing Laboratory

6/20/2016

Dave Fawcett
Coleman Creek Consulting
P.O. Box 1926
Phoenix, OR 97535

TEL: (541) 535-7108

FAX: (541) 535-8795

RE: 16-069G Medford ESD

Order No.: 1606529

Dear Dave Fawcett:

Neilson Research Corporation received 2 sample(s) on 6/13/2016 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

Alec C Smith
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

Date: 20-Jun-16

Project: 16-069G Medford ESD

CASE NARRATIVE

Lab Order: 1606529

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
P.O. Box 1926
Phoenix, OR 97535

Lab Order: 1606529
NRC Sample ID: 1606529-01A
Collection Date: 6/12/2016 6:12:00 PM
Received Date: 6/13/2016 1:53:00 PM
Reported Date: 6/20/2016 11:57:39 AM

Sample Information:

16-069G Medford ESD

Client Sample ID: 16-069G.4
Collectors Name: Dave Fawcett
Sample Location:
Source:

ANALYTICAL RESULTS

Analyses	NELAP			MRL	Units	EPA Limit	Date Analyzed	Analyst
	Method	Accredited	Result					
Lead	EPA 200.8	A	0.000408	0.0001	mg/L	0.015 AL	6/15/2016	OML

Notes: ND - Not Detected at the MRL

N.L. - No Limit

MRL - Minimum Reporting Limit

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
P.O. Box 1926
Phoenix, OR 97535

Lab Order: 1606529
NRC Sample ID: 1606529-02A
Collection Date: 6/12/2016 6:19:00 PM
Received Date: 6/13/2016 1:53:00 PM
Reported Date: 6/20/2016 11:57:39 AM

Sample Information:

16-069G Medford ESD

Client Sample ID: 16-069G.5
Collectors Name: Dave Fawcett
Sample Location:
Source:

ANALYTICAL RESULTS

Analyses	NELAP			Qual	MRL	Units	EPA Limit	Date Analyzed	Analyst
	Method	Accredited	Result						
Lead	EPA 200.8	A	0.000638		0.0001	mg/L	0.015 AL	6/15/2016	OML

Notes: ND - Not Detected at the MRL

N.L. - No Limit

MRL - Minimum Reporting Limit

CLIENT: Coleman Creek Consulting
 Work Order: 1606529
 Project: 16-069G Medford ESD

ANALYTICAL QC SUMMARY REPORT

TestCode: ICPMS_200.8_DW

Sample ID	SampType	TestCode	Units	Prep Date	RunNo	Client ID	Batch ID	TestNo	(EPA 200.8)	Analysis Date	SeqNo	Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
MB-35438	MBLK	ICPMS_200.8	mg/L	6/14/2016	87807	ZZZZZ	35438	EPA 200.8	(EPA 200.8)	6/14/2016	1309662	Lead	ND	0.000100										
LCS-35438	LCS	ICPMS_200.8	mg/L	6/14/2016	87807	ZZZZZ	35438	EPA 200.8	(EPA 200.8)	6/14/2016	1309663	Lead	0.1027	0.000100	0.1	0	103	85	115					
1606526-01AMS	MS	ICPMS_200.8	mg/L	6/14/2016	87807	ZZZZZ	35438	EPA 200.8	(EPA 200.8)	6/14/2016	1309674	Lead	0.1108	0.000100	0.1	0.009729	101	70	130					
1606526-01AMSD	MSD	ICPMS_200.8	mg/L	6/14/2016	87807	ZZZZZ	35438	EPA 200.8	(EPA 200.8)	6/14/2016	1309675	Lead	0.1088	0.000100	0.1	0.009729	99.1	70	130	0.1108	1.82	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
 345 South Grape Street • Medford, OR 97501
 (541) 770-8678 • FAX (541) 770-2990

Chain of Custody Record

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

Section A
 Required Client Information

Company: Cleburne Creek Community
 Address: _____
 Email: _____
 Phone: _____ Fax: _____
 Collected By (Print): Dave Fairwell
 Collected By (Sign): [Signature]
 Email Report Yes No Mail Report Yes No
 Fax Report Yes No

Section B
 Required Project Information

Project Name: Medford ESD
 Project Number: 16-0696
 Report To: _____
 Copy To: _____

Section C
 Invoice Information

Attention: Wave
 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										Remarks/Field Data	NRC Sample # (Lab Use Only)		
16-0696.4		DW	6-12-16	18:12	1												X	# 12441	01
16-0696.5		DW	6-12-16	18:19	1												X	# 12446	02

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

Section F
 Relinquish/Receive

Relinquish/Receive	Sign	Print	Date	Time
Relinquished By:	<u>[Signature]</u>	<u>Dave Fairwell</u>	<u>6/13/16</u>	<u>13:53</u>
Received By:				
Relinquished By:				
Received By:				
Relinquished By:				
Received By Laboratory:	<u>[Signature]</u>	<u>[Signature]</u>	<u>6/13/16</u>	<u>13:53</u>

Section G
 Lab Use Only

Temp. Ammonia
 4°C +/- 2°C: Yes No
 Received on Ice: Yes No
 Number of Bottles Received: 2
 pH Checked: NA
 COC Seals Intact: Yes No NA
 Field Blank Included: Yes No

Received Via UPS FedEx Other Hand

Payment: Invoice Cash VISA MC Check # _____ Amount: _____