

Coleman Creek Consulting, Inc.

LEAD PAINT SURVEY OF VA SORCC – BUILDING 250 8495 Crater Lake Highway, White City, Oregon FOR KISTLER+SMALL+WHITE ARCHITECTS

INTRODUCTION

Coleman Creek Consulting, Inc. (CCC) was retained by Kistler+Small+White Architects (KSW) to perform a lead paint survey of the Veterans Administration Southern Oregon Rehabilitation Center & Clinics (VA SORCC) at the above location. The purpose of the lead paint survey was to determine the concentration of lead in paint prior to building demolition activities.

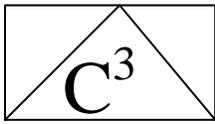
LEAD PAINT SURVEY

David W. Fawcett of CCC visited the site January 20, 2015, and reviewed the interior and exterior of Building 206 with Ben Sutter, VA SORCC Project Engineer. Mr. Fawcett collected representative paint samples from painted materials inside and outside the building. A sign affixed to the exterior siding on the South side, East end was noted, “Caution – Do not disturb landscape bark, lead containing soil bene(a)th. See Lead Paint Site Sample Record Sheet (page 3) for description and location of samples. See photographs of representative paint sample locations in Appendix A. Mr. Fawcett packaged the paint samples for overnight delivery to IATL for lead paint analysis.

LEAD PAINT SAMPLE ANALYSIS

The submitted paint samples were analyzed by IATL with the following method: ASTM D3334-85A “Standard Method To Test For Low Concentrations of Lead In Paint By Atomic Absorption Spectrophotometry”. Lead paint concentration results are listed below:

1. The gray/white exterior paint on SE corner cement siding was reported with a concentration of 6,100 parts per million (ppm) lead.
2. The white exterior paint on SE corner window screen was reported with 58,000 ppm lead.
3. The blue exterior paint on SE corner window trim was reported with 210,000 ppm lead.
4. The green/white exterior paint on the door to the under stair closet was reported with 6,400 ppm lead.
5. The white exterior paint on the East porch siding was reported with 190,000 ppm lead.
6. The white exterior paint on the A Quarters living room window trim was reported with 130,000 ppm lead
7. The blue exterior paint on the East porch metal support was reported with 68 ppm lead.
8. The white interior paint on the D Quarters West bedroom window trim was reported with 170,000 ppm lead.
9. The white interior paint in the H Quarters hall door frame was reported with 1,900 ppm lead.



Coleman Creek Consulting, Inc.

10. The tan interior paint in the E Quarters East bedroom wall was reported with 1,400 ppm lead.
11. The white interior paint on the middle stair 1st floor wall was reported with 2,700 ppm lead.

The IATL Lead Paint Sample Analysis Summary is enclosed in Appendix B.

LEAD REGULATORY STANDARDS

OSHA requires an assessment of lead paint exposure during disturbance of lead painted materials. Lead abatement requirements and standards do not apply to demolition projects that impact lead painted materials.

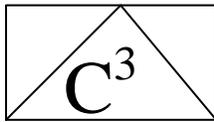
LEAD IN SOIL NOTE

Based on the presence of a warning sign indicating lead in soil, the delaminated paint noted on the ground in several locations, the concentrations of lead in soil should be established.

RECOMMENDATIONS

Specifications to address disturbance of lead painted materials during demolition activities should be established regarding contractor requirements and engineering controls. Soil sampling adjacent to the exterior of the building should be performed to determine concentrations of lead in soil.

David W. Fawcett
Director of Consulting Operations



Coleman Creek Consulting, Inc.

LEAD PAINT SITE SAMPLE RECORD SHEET

BUILDING: VA SORCC Building 250
ADDRESS: 8495 Crater Lake Highway
White City, Oregon

DATE: 01-20-15
INSPECTOR: David W. Fawcett

SAMPLE #	DESCRIPTION	LOCATION
14-113A.L9	Gray/White Exterior Paint	SE Corner Cement Siding at Rainbird
14-113A.L10	White Exterior Paint	SE Corner Window Screen
14-113A.L11	Blue Exterior Paint	SE Corner Window Trim
14-113A.L12	Green/White Exterior Paint	Door To Under Stair Closet, NE Corner
14-113A.L13	White Exterior Paint	East Porch Wood Siding Under Stairs
14-113A.L14	White Exterior Paint	A Quarters Living Room Window Trim
14-113A.L15	Blue Exterior Paint	East Porch Metal Stair Support
14-113A.L16	White Interior Paint	D Quarters West Bedroom Window Trim
14-113A.L17	White Interior Paint	H Quarters Hall Door Trim
14-113A.L18	Tan Interior Paint	E Quarters East Bedroom Wall at Ceiling
14-113A.L19	White Interior Paint	Middle Stair Landing Wall, 1 st Floor

Comments: All samples are multi-layer down to substrate surface. Exterior paint delaminating, noted on ground in several locations.

APPENDIX A

**REPRESENTATIVE PAINT SAMPLE LOCATION
PHOTOGRAPHS**



Sample 14-113A.L9, Gray Paint, 6,100 ppm Lead



Sample 14-113A.L10, White Paint, 58,000 ppm Lead



Sample 14-113A.L11, Blue Paint, 210,000 ppm Lead



Sample 14-113A.L12, Green Paint, 6,400 ppm Lead



Sample 14-113A.L13, White Paint, 190,000 ppm Lead



Sample 14-113A.L14, White Paint, 130,000 ppm Lead



Sample 14-113A.L15, White Paint, 68 ppm Lead



Sample 14-113A.L16, White Paint, 170,000 ppm Lead



Sample 14-113A.L17, White Paint, 1,900 ppm Lead



Sample 14-113A.L18, White Paint, 1,400 ppm Lead



Sample 14-113A.L19, White Paint, 2,700 ppm Lead

APPENDIX B

**IATL LEAD PAINT SAMPLE ANALYSIS
SUMMARY**

CERTIFICATE OF ANALYSIS

Client: Coleman Creek Consulting
P.O. Box 1926
Phoenix OR 97535

Report Date: 1/23/2015
Report Number: 354932
Project: VA-250
Project No.:

LEAD PAINT SAMPLE ANALYSIS SUMMARY

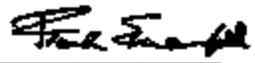
<u>Lab No.</u>	<u>Client No.</u>	<u>Location / Description</u>	<u>Concentration Lead By Weight (%)</u>
5532028	14-113A.L9	Lead Paint	0.61
5532029	14-113A.L10	Lead Paint	5.8
5532030	14-113A.L11	Lead Paint	21
5532031	14-113A.L12	Lead Paint	0.64
5532032	14-113A.L13	Lead Paint	19
5532033	14-113A.L14	Lead Paint	13 ***
5532034	14-113A.L15	Lead Paint	0.0068 ***
5532035	14-113A.L16	Lead Paint	17
5532036	14-113A.L17	Lead Paint	0.19
5532037	14-113A.L18	Lead Paint	0.14

Accreditations: **NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)**
AIHA-LAP, LLC No. 100188 NYSDOH-ELAP No. 11021

Analytical Methods: ASTM D3335-85A "Standard Method To Test For Low Concentrations Of Lead In Paint By Atomic Absorption Spectrophotometry"
EPA SW846-(3050B:7000B) "Standard Method To Test For Low Concentrations Of Lead In Soils, Sludges and Sediments By AAS"

Comments: Regulatory limit is 0.5% lead by weight (EPA/HUD guidelines). Recommend multiple sampling for all samples less than regulatory limit for confirmation. All results are based on the samples as received at the lab. IATL assumes that appropriate sampling methods have been used and the data upon which these results are based have been accurately supplied by the client. Method Detection Limit (MDL) per EPA Method 40CFR Part 136 Appendix B. Reporting Limit (RL) based upon Lowest Standard Determined (LSD) in accordance with AIHA-ELLAP policies. LSD=0.2 ppm MDL=0.0044% by weight. RL= 0.010% by weight (based upon 100 mg sampled). * Insufficient sample provided to perform QC reanalysis (<200 mg) ** Not enough sample provided to analyze (<50 mg) *** Matrix / substrate interference possible. Sample results are not corrected for contamination by field or analytical blanks. This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any government agency. This report shall not be reproduced except in full, without written approval of the laboratory.

Date Received: 1/22/2015
Date Analyzed: 1/23/2015
Analyst: C. Shaffer

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Coleman Creek Consulting
P.O. Box 1926
Phoenix OR 97535

Report Date: 1/23/2015
Report Number: 354932
Project: VA-250
Project No.:

LEAD PAINT SAMPLE ANALYSIS SUMMARY

<u>Lab No.</u>	<u>Client No.</u>	<u>Location / Description</u>	<u>Concentration Lead By Weight (%)</u>
5532038	14-113A.L19	Lead Paint	0.27

Accreditations:**NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)**

AIHA-LAP, LLC No. 100188

NYSDOH-ELAP No. 11021

Analytical Methods: ASTM D3335-85A "Standard Method To Test For Low Concentrations Of Lead In Paint By Atomic Absorption Spectrophotometry"
EPA SW846-(3050B:7000B) "Standard Method To Test For Low Concentrations Of Lead In Soils, Sludges and Sediments By AAS"

Comments: Regulatory limit is 0.5% lead by weight (EPA/HUD guidelines). Recommend multiple sampling for all samples less than regulatory limit for confirmation. All results are based on the samples as received at the lab. IATL assumes that appropriate sampling methods have been used and the data upon which these results are based have been accurately supplied by the client. Method Detection Limit (MDL) per EPA Method 40CFR Part 136 Appendix B. Reporting Limit (RL) based upon Lowest Standard Determined (LSD) in accordance with AIHA-ELLAP policies. LSD=0.2 ppm MDL=0.0044% by weight. RL= 0.010% by weight (based upon 100 mg sampled). * Insufficient sample provided to perform QC reanalysis (<200 mg) ** Not enough sample provided to analyze (<50 mg) *** Matrix / substrate interference possible. Sample results are not corrected for contamination by field or analytical blanks. This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any government agency. This report shall not be reproduced except in full, without written approval of the laboratory.

Date Received: 1/22/2015

Date Analyzed: 1/23/2015

Analyst: C. Shaffer

- Chain of Custody -

Coleman Creek Consulting, Inc.
 P.O. Box 1926
 Phoenix, Oregon 97535

Project Name: VA-250
 Project No.: _____

Phone/Fax: 541-535-7108 / 541-535-8795
 Email: fawbro@ccountry.net / jburgess@ccountry.net

Contact: Dave Fawcett
 Cell: _____

Special Instructions: Please E-Mail Results

Type:

<u>Asbestos</u>	<u>Lead</u>	<u>Other</u>
<input type="checkbox"/> Air	<input type="checkbox"/> Air	<input type="checkbox"/> Soil
<input type="checkbox"/> Bulk	<input type="checkbox"/> Bulk	<input checked="" type="checkbox"/> Paint
<input type="checkbox"/> Water	<input type="checkbox"/> Water	<input type="checkbox"/> Other
<input type="checkbox"/> Soil		
<input type="checkbox"/> Dust		
<input type="checkbox"/> Other		

E-MAILED
 1/23/15 AB

Analysis Method:

<input type="checkbox"/> PCM : NIOSH 7400	<input type="checkbox"/> PLM : Bulk Asbestos EPA 600	<input type="checkbox"/> TEM : AHERA
<input type="checkbox"/> PCM : OSHA	<input type="checkbox"/> PLM : Point Counting 198.1	<input type="checkbox"/> TEM : NIOSH 7402
<input type="checkbox"/> PCM : Other _____	<input type="checkbox"/> PLM : NOB via 198.1 (PLM only)	<input type="checkbox"/> TEM : EPA Level II
<input type="checkbox"/> AAS : NIOSH 7082 (Air)	<input type="checkbox"/> If <1% by PLM, to TEM via 198.4 to meet NYSDOH requirements **	<input type="checkbox"/> TEM : Microvac Dust
<input type="checkbox"/> AAS : Lead in Drinking Water	(**call to confirm TAT!)	<input type="checkbox"/> TEM : Asbestos in Water
<input checked="" type="checkbox"/> AAS : Lead in Paint ASTM D3335-85a		<input type="checkbox"/> TEM : Bulk Analysis
<input type="checkbox"/> AAS : Lead Dust/Wipe "		<input type="checkbox"/> TEM : NOB 198.4
<input type="checkbox"/> AAS : Other Metals / Soil _____		<input type="checkbox"/> TEM : Other _____
		<input type="checkbox"/> Total Dust : NIOSH 0500

Turnaround Time:

FAX: _____ Verbal: (11)
date / time date / time

10 Day
 5 Day
 3 Day
 2 Day
 1 Day
 6 hour
 RUSH

Preliminary FAX/Verbal Results Requested by:

Sample Numbers: 14-113A, L9-L19

Client #(s): _____ <small>(start) (end)</small>	IATL#(s): L 9 5532028 L14 5532033 10 5532029 15 5532034 Total: 5532035 11 5532030 -16 (end) 5532036 12 5532031 17 5532037 13 5532032 18 5532038
--	---

Chain of Custody:

Relinquished: <u>Dave Fawcett</u>	Date: <u>1-21-15</u>	Time: _____
Received: _____	Date: _____	Time: _____
Sample Log-in: _____	Date: _____	Time: _____
Sample Prep: <u>1/23/15</u>	Date: _____	Time: _____
Analyzed: _____	Date: _____	Time: _____
QA/QC Review: <u>ABR/23/15</u>	Date: _____	Time: _____

Archived/Released: _____ QA/QC InterLAB Use: _____ Date: _____ Time: _____

DAILY QUALITY CONTROL DATA

LEAD SAMPLE ANALYSIS

(DATE: 01 / 23 / 15)

Standard	Total Lead (mg)	Percent Recovery **
Reagent Blank	0.000	< LOQ
Blank Spike	0.500	102
Lab Control Std	1.650	100
Matrix Spike - LBP *	0.28	95
Matrix Spike - Wipe *	0.42	95
Matrix Spike - Soil *	0.338	101
Matrix spike - Air *	0.050	102
2.5 ppm Standard	0.25	96
10.0 ppm Standard	1.0	100
40.0 ppm Standard	4.0	99

AIHA-LAP, LLC No. 100188

NYSDOH-ELAP No. 11021

Analysis Method: ASTM D3335-85A
NIOSH 7082
EPA SW846 3050B 7000B

Comments: IATL assumes that all sampling complies with accepted methods.
All client supplied sampling data is assumed to be correct when calculating results.
Detection limit based upon 0.2 mg/L reporting limit and sample size.
* NIST Traceable.
** 80-120% acceptable limits.

Analyzed By: R. Chad Shaffer
R. Chad ShafferDate: 1/23/15Approved By: Frank E. Ehrenfeld, III
Frank E. Ehrenfeld, III
Laboratory Director