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January 23, 2019

City of Daytona Beach
Technical Services Division
950 Bellevue Avenue
Daytona Beach, Florida 32114

Attn: Mr. Joe Piper, Project Manager

REF: **Lead-Based Paint Testing Results**
Peninsula Club Structure – Window Renovations
415 S. Peninsula Drive
Daytona Beach, Florida
UES Project No. 0440.1800113.0000 Report No. 134324B

Dear Mr. Piper:

As approved by the City of Daytona Beach via authorization of UES Proposal No. 18D-1147 and the issue of Purchase Order No. 0000014597. Personnel from Universal Engineering Sciences (UES) collected six paint samples from randomly selected locations by the UES inspector of the suspect lead-based paint (LBP). These samples were collected from the structure's window frame paint that reportedly will be disturbed during future renovation activities.

LBP, as defined by the United States Department of Housing and Urban Development (HUD), is dried paint film with a lead concentration equal to or greater than 1.0 mg/cm² (milligrams of lead per square centimeter) when measured by a portable X-Ray Fluorescence (XRF) Lead Paint Analyzer, or a lead concentration equal to or greater than 5,000 parts per million (ppm) or equal to or greater than 0.5 percent by weight (% wt) when analyzed by an American Industrial Hygiene Association (AIHA) laboratory participating in the Environmental Lead Laboratory Accreditation Program ELLAP).

Laboratory analysis was performed in accordance with Flame Atomic Absorption Spectroscopy (AAS) Method SW-846 3050B*/7000B. Analysis of sample PS-1 (collected from the west wall area) exhibited 6.9 % wt lead concentration, sample PS-2 (collected from the east/northeast 1st floor area) exhibited 3.9 % wt lead concentration, sample PS-3 (collected from north side central area 1st floor) exhibited 4.6 % wt lead concentration, sample PS-4 (collected from the south side 2nd floor area) exhibited 6.9 % wt lead concentration, sample PS-5 (collected from the east side 1st floor area) exhibited 6.8 % wt lead concentration and sample PS-6 (collected from the west side 2nd floor area) exhibited 4.5 % wt lead

concentration. Please see the attached laboratory report from EMSL Analytical, Inc.

Based on laboratory results, all paint samples collected and analyzed exhibited lead concentrations above the HUD standard of 0.5 % wt. In Addition to HUD, lead concentrations are regulated by both OSHA and the EPA.

Therefore it is pertinent that the renovation contractors are familiar with these above mentioned organizations and their standards/regulations pertaining to lead-based paint materials.

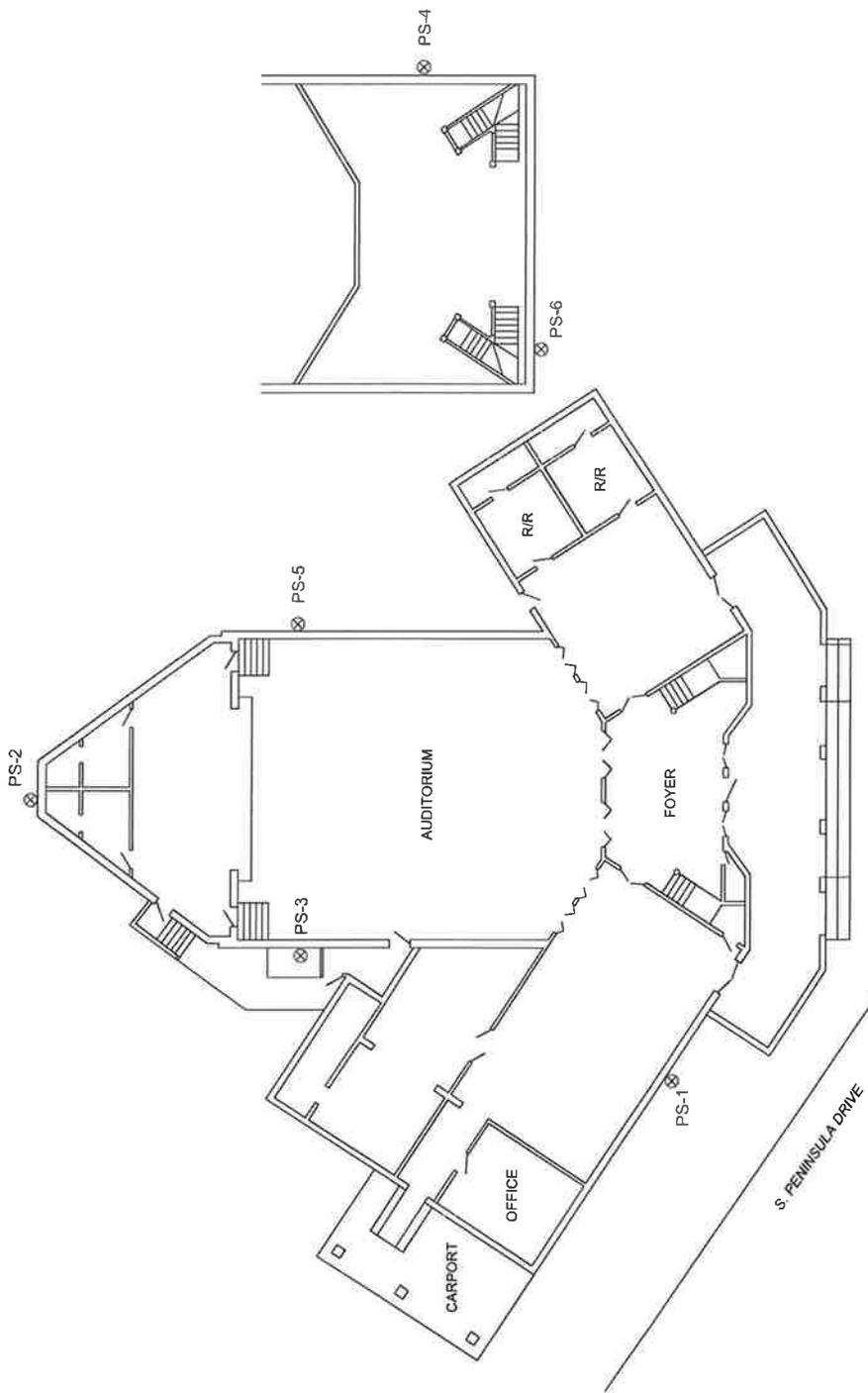
Thank you for the opportunity to assist you with this project. Should you have any further questions regarding this LBP sampling and analysis, do not hesitate to contact this office.

Respectfully Submitted,

UNIVERSAL ENGINEERING SCIENCES



Richard LaRocca
Environmental Project Manager



LEGEND
 PC-xx ⊗ APPROXIMATE LOCATION OF ASBESTOS SAMPLE
 PS-xx ⊗ APPROXIMATE LOCATION OF ASBESTOS SAMPLE (ROOF)

PROJECT: PRE RENOVATION ASBESTOS AND LEAD BASED PAINT 415 S. PENINSULA DRIVE DAYTONA BEACH, FLORIDA		TITLE: SAMPLING LOCATION PLAN LEAD BASE PAINT	
DRAWN BY: ML CHECKED BY: RL	DATE: 01/23/19 DATE: 01/23/19	PROJECT NO.: 0440.1800113.0000 REPORT NO.: 134324	SCALE: 1" = 5'
UNIVERSAL ENGINEERING SCIENCES		PAGE/FIG. NO.: A-2	

**EMSL Analytical, Inc.**

3303 PARKWAY CENTER COURT, Orlando, FL 32808
 Phone/Fax: (407) 599-5887 / (407) 599-9063
<http://www.EMSL.com> orlandolab@emsl.com

EMSL Order: 341900264
 CustomerID: UESO53
 CustomerPO:
 ProjectID:

Attn: **Richard LaRocca**
Universal Engineering Sciences
911 Beville Road
Suite 3
South Daytona, FL 32119

Phone: (386) 756-1105
 Fax: (386) 760-4067
 Received: 01/07/19 9:45 AM
 Collected: 1/3/2019

Project: 415 S. Peninsula Dr.-D.B.

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Weight</i>	<i>Lead Concentration</i>
PS-1 Site: West Wall Area	341900264-0001	1/3/2019	1/9/2019	0.2821 g	6.9 % wt
PS-2 Site: East/N. East 1st Flr	341900264-0002	1/3/2019	1/9/2019	0.2595 g	3.9 % wt
PS-3 Site: Northside Central 1st Floor	341900264-0003	1/3/2019	1/9/2019	0.2674 g	4.6 % wt
PS-4 Site: Southside 2nd Floor	341900264-0004	1/3/2019	1/9/2019	0.2860 g	6.9 % wt
PS-5 Site: East Side 1st Floor	341900264-0005	1/3/2019	1/9/2019	0.2783 g	6.8 % wt
PS-6 Site: West Side 2nd Floor	341900264-0006	1/3/2019	1/9/2019	0.2770 g	4.5 % wt

Carlos Rivadeneyra, Laboratory Director
 or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC-ELLAP Accredited #163563

Initial report from 01/09/2019 16:41:10



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

PHONE: ()

FAX: ()

[Empty box for EMSL Order ID]

Company: UNIVERSAL ENGINEERING SCIENCES		EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 911 BEVILLE ROAD, SUITE #3		Third Party Billing requires written authorization from third party	
City: SOUTH DAYTONA	State/Province: FLA.	Zip/Postal Code:	Country:
Report To (Name): RICHARD LARROCCA		Telephone #:	
Email Address: RLARROCCA@UNIVERSALENGINEERING.COM		Fax #:	Purchase Order:
Project Name/Number: 415 S. PENINSULA DR. - D.B.		Please Provide Results: <input type="checkbox"/> Fax <input type="checkbox"/> Email	
U.S. State Samples Taken: FLORIDA		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

Turnaround Time (TAT) Options* - Please Check

3 Hour
 6 Hour
 24 Hour
 48 Hour
 72 Hour
 96 Hour
 1 Week
 2 Week

*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide

Matrix	Method	Instrument	Reporting Limit	Check
Chips <input checked="" type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm ² <input type="checkbox"/> ppm (mg/kg)	SW846-7000B	Flame Atomic Absorption	0.01%	<input type="checkbox"/>
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	<input type="checkbox"/>
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	<input type="checkbox"/>
	NIOSH 7300M/NIOSH 7303	ICP-OES	0.5 µg/filter	<input type="checkbox"/>
Wipe* ASTM <input type="checkbox"/> non ASTM <input type="checkbox"/> *if no box checked, non-ASTM Wipe assumed	SW846-7000B	Flame Atomic Absorption	10 µg/wipe	<input type="checkbox"/>
	SW846-6010B or C	ICP-OES	1.0 µg/wipe	<input type="checkbox"/>
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW846-1311/SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
SPLP	SW846-1312/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW846-1312/SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
TTLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW846-6010B or C	ICP-OES	2 mg/kg (ppm)	<input type="checkbox"/>
STLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-OES	2 mg/kg (ppm)	<input type="checkbox"/>
Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	<input type="checkbox"/>
Drinking Water Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	<input type="checkbox"/>
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	<input type="checkbox"/>
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter	<input type="checkbox"/>
Other:				<input type="checkbox"/>

Name of Sampler: _____ Signature of Sampler: _____

Sample #	Location	Volume/Area	Date/Time Sampled
PS-1	WEST WALL AREA		1-3-19/10:30
PS-2	EAST/N.EAST 1ST FLR		1-3-19/10:35

Client Sample #s: _____ Total # of Samples: _____

Relinquished (Client):	Date:	Time:
Received (Lab):	Date:	Time:

Comments:

