

Asbestos and Lead Paint Survey Report

Recreation Room

Building 1022

Jacksonville, Florida 32218

Terracon Project EQ237421



Prepared for:

Parsons Corporation
6100 Bandera Rd
San Antonio, TX

Prepared by:

Terracon Consultants, Inc.
Jacksonville, FL



8001 Baymeadows Way Suite 1
Jacksonville, Florida 32256
P 904-900-6494
TERRACON.COM

January 5, 2024

6100 Bandera Rd
Suite 800
San Antonio, TX 78238

Attn: David Pratt
Phone: 210-805-2286
Cell: 210-347-8775
Email: David.Pratt@Parsons.com

Re: Asbestos and Lead Survey Report
Recreation Room, Building 1022
1400 FANG Drive
Terracon Project EQ237421

Dear Mr. Pratt:

The purpose of this report is to present the results of an Asbestos and Lead Paint Survey at the above-referenced site. The asbestos and lead surveys were limited to readily accessible materials.

Terracon performed the surveys on December 21, 2023. The asbestos survey and lead paint survey was conducted in general accordance with our proposal dated September 22, 2023.

- **Asbestos was not identified in samples obtained from the structure**
- **Lead was identified in one sample of paint obtained from the structure**

Please see the attached report for details.

Terracon appreciates the opportunity to provide this service to Parsons Cororation. (client). If you have any questions regarding this report, please contact Mr. Peter Thompson at 904-330-4405.

Sincerely,

Terracon Consultants, Inc.

Florida Asbestos Consulting Business License No. ZA337

Peter Thompson
Senior Staff Scientist
AHERA Certified Building Inspector
Certificate # 240081-1896

Michael W. Schrum, P.E.
Florida Licensed Asbestos Consultant
License # AX78
Authorized Project Reviewer

TABLE OF CONTENTS

1.0	INTRODUCTION	1
1.1	Project Objective.....	1
2.0	BUILDING DESCRIPTION	1
3.0	FIELD ACTIVITIES	1
3.1	Asbestos Survey	1
3.2	Visual Assessment.....	2
3.3	Physical Assessment.....	2
3.4	Sample Collection and Analysis	2
3.5	Lead in Paint Survey.....	2
3.6	Sample Collection.....	2
3.7	Sample Analysis.....	3
4.0	REGULATORY OVERVIEW	3
5.0	FINDINGS AND RECOMMENDATIONS	4
5.1	Asbestos Survey Findings.....	4
5.2	Asbestos Recommendations	4
5.3	Paint Containing Lead Survey Findings	4
5.4	Lead Recommendations	4
6.0	LIMITATIONS/GENERAL COMMENTS	5

LIST OF APPENDICES

APPENDIX A ASBESTOS SAMPLE SUMMARY

APPENDIX B ASBESTOS LABORATORY ANALYTICAL DATA

APPENDIX C LEAD SAMPLE SUMMARY

APPENDIX D LEAD LABORATORY ANALYTICAL DATA

APPENDIX E CERTIFICATIONS, ACCREDITATIONS, AND LICENSES

APPENDIX F PHOTOGRAPHS

1.0 INTRODUCTION

Terracon Consultants, Inc. (Terracon) conducted an asbestos survey and a lead paint survey at the above-referenced structure. Terracon performed the surveys on December 21, 2023. Asbestos and lead surveys were limited to readily accessible materials.

The asbestos survey activities were conducted by Mr. Pete Thompson, an Asbestos Hazard Emergency Response Act (AHERA)-accredited building inspector. The lead paint survey was conducted by Mr. Thompson. Mr. Thompson is an EPA-certified lead paint inspector. Copies of Mr. Thompson's asbestos inspector training certificate and EPA Lead Inspector certificate can be found in Appendix E.

The surveys were conducted in general accordance with our proposal dated September 22, 2023. Interior and exterior components including the roof were surveyed, and homogeneous areas of suspect asbestos-containing materials (ACM) and paint and other coatings (PCL) were visually identified and documented prior to sampling.

Although reasonable effort was made to survey accessible suspect materials, additional suspect but unsampled materials could be located in walls, in voids or in other concealed areas.

1.1 Project Objective

Terracon understands the purpose of these surveys was to provide information to the client regarding asbestos and lead content in materials prior to demolition of the structure. EPA regulation 40 CFR 61, Subpart M, NESHAP, prohibits the release of asbestos fibers to the atmosphere during renovation or demolition activities. The asbestos NESHAP requires that potentially regulated asbestos-containing building materials be identified, classified, and quantified prior to planned disturbances or demolition activities. Suspect ACM samples were collected in general accordance with the sampling protocols outlined in EPA AHERA regulation, 40 CFR 763.86.

The OSHA lead standard for construction (29 CFR 1926.62) applies to construction work where an employee may be occupationally exposed to lead. Work related to construction, alteration, or repair (including painting and decorating) is included. The lead standard applies to any detectable concentration of lead in paint, as even small concentrations of lead can result in unacceptable employee exposures depending upon on the method of removal and other workplace conditions. Unique paint combinations were identified and sampled for laboratory analysis to identify the presence of lead in building components that may be impacted by any planned disturbance.

2.0 BUILDING DESCRIPTION

The site is a one-story structure which is referred to by site personnel as the recreation building. The structure contains a space reserved as an office and eating and limited food preparation areas. The roof consists of a high slope standing seam metal roof. Typical building components encountered in the structure consisted of drywall walls, drop-in ceiling tiles, vinyl floor tiles, and carpets. The building construction date is unknown but appears in aerial photographs dated 1978 and was in use at the time of the surveys.

3.0 FIELD ACTIVITIES

3.1 Asbestos Survey

The survey was conducted in general accordance with the sample collection protocols established in EPA regulation AHERA, 40 CFR 763.86. Our survey activities began with visual observation of the building components to identify apparent homogeneous areas of suspect ACM. A homogeneous area

consists of building materials that appear similar throughout in terms of color, texture, and date of application. The assessment was conducted throughout physically accessible areas of the structure. Terracon lifted floor coverings in several locations to check for the presence of concealed suspect materials. Building materials identified as glass, wood, metal, and rubber are not considered suspect ACM.

3.2 Visual Assessment

Survey activities were initiated with visual observation of the interior and exterior of the building to identify accessible homogeneous areas of suspect ACM. A homogeneous area (HA) consists of building materials that appear similar throughout in terms of color and texture with consideration given to the date of installation.

3.3 Physical Assessment

A physical assessment of each homogeneous area of suspect ACM was conducted to assess the friability and condition of the materials. A friable material is defined by the EPA as a material which can be crumbled, pulverized or reduced to powder by hand pressure when dry. Friability was assessed by physically touching suspect materials.

3.4 Sample Collection and Analysis

Based on results of the visual observation, bulk samples of suspect ACM were collected in general accordance with AHERA sampling protocols from areas accessible to our inspector. Random samples of suspect materials were collected from each homogeneous area. Samples were collected using wet methods as applicable to reduce the potential for fiber release. Samples were placed in sealable containers and labeled with unique sample numbers using an indelible marker.

Bulk asbestos samples were submitted under chain of custody to Cates Labs (Cates) of Dallas, Texas for analysis by Polarized Light Microscopy with dispersion staining techniques (PLM) per USEPA methodology EPA 600/R-93/116. The percentage of asbestos, where applicable, was determined by microscopic visual estimation. Cates is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP) Accreditation # 200569-0. The laboratory was instructed to analyze all samples from each homogeneous area. A total of 36 bulk samples from the structure were collected from 12 homogeneous areas (HAs) of suspect ACM from the site.

3.5 Lead in Paint Survey

Terracon performed a visual assessment to identify suspect paint containing lead and document the general location of the materials and the condition of the materials, including noting areas of damaged, peeling, or flaking paint. Terracon collected representative paint chip samples of suspect coatings identified on surfaces in the building. Samples of paint were collected to the visible substrate e.g., wood, metal, masonry, etc. A summary of LCP sampling activities is provided below.

3.6 Sample Collection

Terracon collected two suspect paint chip samples from identified testing combinations within the structure. Samples were placed in sealable containers and labeled with unique sample numbers using an indelible marker.

3.7 Sample Analysis

Paint sampling included visual observations of coated surfaces (i.e., paints, varnishes) to identify potential PCL-coated components and to collect bulk samples. Samples were submitted under chain of custody to EMSL Analytical of Orlando Florida for analysis by EPA Method SW-846 7000B Flame Atomic Absorption Spectrophotometry. EMSL is accredited by the AIHA® Laboratory Accreditation Programs, LLC under the Environmental Lead Laboratory Accreditation Program (ELLAP).

4.0 REGULATORY OVERVIEW

Asbestos

The asbestos NESHAP (40 CFR Part 61, Subpart M) regulates asbestos fiber emissions and asbestos waste disposal practices. It also requires the identification and classification of existing building materials prior to demolition or renovation activity. Under NESHAP, asbestos-containing building materials are classified as either friable, Category I non-friable or Category II non-friable ACM. Friable materials are those that, when dry, may be crumbled, pulverized or reduced to powder by hand pressure. Category I non-friable ACM includes packings, gaskets, resilient floor coverings and asphalt roofing products containing more than 1% asbestos. Category II non-friable ACM are any materials other than Category I materials that contain more than 1% asbestos.

Friable ACM, Category I and Category II non-friable ACM which is in poor condition and has become friable or which will be subjected to drilling, sanding, grinding, cutting or abrading and which could be crushed or pulverized during anticipated renovation or demolition activities are considered regulated ACM (RACM).

In the State of Florida, asbestos activities are regulated by the Florida Department of Environmental Protection (FDEP). RACM must be removed prior to renovation or demolition activities which will disturb the materials. The owner or operator must provide the FDEP with written notification of asbestos abatement activities and/or planned demolition activities at least 10 working days prior to the commencement of such activities.

The U.S. Occupational Safety and Health Administration (OSHA) Asbestos standard for construction (29 CFR 1926.1101) regulates workplace exposure to asbestos. The OSHA standard requires that employee exposure to airborne asbestos fibers be maintained at or below 0.1 asbestos fibers per cubic centimeter of air (0.1 f/cc) as an eight-hour time weighted average (TWA) and not exceed 1.0 fibers per cubic centimeter of air (1.0 f/cc) over a 30-minute time period known as an excursion limit (EL). The TWA and EL are known as OSHA's permissible exposure limits (PELs). The OSHA standard classifies construction and maintenance activities which could disturb ACM and specifies work practices and precautions which employers must follow when engaging in each class of regulated work. States which administer their own federally approved state OSHA programs may require additional precautions.

Lead Containing Paint

Lead in paint is regulated by the EPA and OSHA. EPA regulates lead use, removal, and disposal and OSHA regulates worker exposure to lead. The OSHA lead standard definition includes metallic lead, all inorganic lead compounds, organic lead soaps, paints and coatings with detectable lead concentrations.

The EPA regulates disposal of hazardous materials. The EPA has stated that components removed with intact LBP that is not delaminating from the substrate may be disposed as general demolition debris. If the LBP is stripped from components, or if it is delaminating from the substrate, the waste may be subject to hazardous waste rules such as Toxicity Characteristics Leaching Procedure (TCLP).

Asbestos and Lead Paint Survey Report

Recreation Room, Building 1022 | FANG Drive | Jacksonville, Florida
January 5, 2024 | Terracon Project EQ237421



The OSHA lead standard for construction (29 CFR 1926.62) applies to all construction work where an employee may be occupationally exposed to lead. All work related to construction, alteration, or repair (including painting and decorating) is included. The lead standard applies to any detectable concentration of lead in paint, as even small concentrations of lead can result in unacceptable employee exposures depending upon on the method of removal and other workplace conditions. Under this standard, construction includes, but is not limited to, the following:

- Demolition or salvage of structures where lead or materials containing lead are present
- Removal or encapsulation of materials containing lead
- New construction, alteration, repair, or renovation of structures, substrates, or portions containing lead, or materials containing lead
- Installation of products containing lead
- Lead contamination/emergency clean-up
- Transportation, disposal, storage, or containment of lead or materials containing lead on the site or location at which construction activities are performed
- Maintenance operations associated with construction activities described above

Employers must ensure that no employee will be exposed to lead at concentrations greater than the PEL of 50 micrograms per cubic meter (mg/m³) as an 8-hr TWA without adequate protection. The OSHA standard also establishes an action level of 30 mg/m³, which if exceeded, triggers certain requirements, including periodic exposure monitoring and medical monitoring.

5.0 FINDINGS AND RECOMMENDATIONS

5.1 Asbestos Survey Findings

Asbestos was not identified in samples obtained from the structure. Identified homogeneous areas of sampled suspect materials are listed in Appendix A. The asbestos laboratory analytical report and chain-of-custody are provided in Appendix B.

5.2 Asbestos Recommendations

Materials not included in this limited survey may be revealed during the course of future renovation or demolition activities. These materials should be assumed to be asbestos-containing and removed as asbestos-containing materials or should be sampled and submitted for laboratory analysis in order to determine their asbestos content before any further activities that may disturb them.

5.3 Lead Containing Paint Survey Findings

Detectable levels of lead were identified in one sample of the two paints collected as part of this survey. Please refer to Table 2 below. The laboratory analytical report and chain of custody are provided in Appendix A.

Table 2

Sample ID	Color / Substrate	Sample Location	Lead Content
2	Beige / Concrete	Exterior wall surface	0.010% wt.

5.4 Lead Recommendations

The identified lead-containing beige paint coating was in good condition with some small areas of peeling at the time of our survey. Care should be taken not to cause the painted surfaces to be disturbed by personnel.

Asbestos and Lead Paint Survey Report

Recreation Room, Building 1022 | FANG Drive | Jacksonville, Florida
January 5, 2024 | Terracon Project EQ237421



Terracon recommends that contractors performing work in these locations be made aware of the results of this survey. Contractors must comply with the OSHA Lead in Construction standard 29 CFR 1926.62 when disturbing paints or coatings with detectable concentrations of lead.

The painting history of any given location in an older building often will vary from point to point due to such factors as variability in paints used, paint film thickness, variable retention of older paint layers before repainting, demolition/installation of walls during renovations, and unknown historic non-homogenous painting schemes. As such, a given color and building component combination that is apparent to our inspector may not provide consistent testing results for lead. Paints forming a lower, concealed layer which were not collected for sampling may be present and may contain detectable levels of lead. These materials, if present should be considered to be lead-containing and should be sampled and submitted for laboratory analysis in order to determine their lead content before any further activities that may disturb them.

6.0 LIMITATIONS/GENERAL COMMENTS

This asbestos and lead surveys were conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. If other suspect materials or conditions are encountered, please contact Terracon for proper evaluation and interpretations. The results, findings, conclusions, and recommendations expressed in this report are based on conditions observed during our surveys of the building. The information contained in this report is relevant to the date on which these surveys were performed and should not be relied upon to represent conditions at a later date.

This report has been prepared on behalf of and exclusively for use by the client for specific application to their project as discussed. All quantities are estimated. This report is not a bidding document. Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary. Terracon does not warrant the work of regulatory agencies, laboratories or other third parties supplying information which may have been used in the preparation of this report. No warranty, express or implied is made.

APPENDIX A

ASBESTOS SAMPLE SUMMARY

HA	Material Description	Location	Friable	Quantity of ACM
1	Light gray ridged 2' x 2' drop-in ceiling tiles	Throughout entire building	NA	-
2	Yellow carpet glue	Throughout	NA	-
3	Light gray concrete	Transformer curb in AC room	NA	-
4	Light gray concrete	Slab	NA	-
5	Light gray 4 inch vinyl cove base and associated gray adhesive	Base of perimeter and internal walls throughout	NA	-
6	Off-white duct mastic	AC closet	NA	-
7	Black batt paper	Interstitial ceiling space	NA	-
8	Dark brown window, door caulk	Glass door, small window in office	NA	-
9	Off-white drywall system with finish coat	Perimeter and internal walls	NA	-
10	Gray concrete block and mortar	Exterior perimeter walls	NA	-
11	Dark brown window caulk	Exterior windows	NA	-
12	Gray joint caulk	East wall	NA	-

NA = Not Applicable

APPENDIX B

ASBESTOS LABORATORY ANALYSIS



CATES LABORATORIES

CHAIN OF CUSTODY

CL Project No PLM 35802
 (Lab Only) SET 51264

Company: Terracon Consultants Inc

Contact/Results to: Pete Thompson Verbal Email X Fax (check all that apply)

Email(s): pete.thompson@terracon.com

Telephone #: 904-330-4405 Fax #: _____

Project Information

Project: Limited asbestos inspection Project #: EQ237421

Address: 14300 Fang Drive Jacksonville P.O. #: _____

Turnaround (check one)

CLEARANCE (PCM) ASAP (SAME DAY) RUSH (1-DAY) STANDARD (2-DAY) 3-4 DAY **5-DAY X**

(IMMEDIATE)

Testing Services (check all that apply, use separate COC's for Asbestos & IAQ)

Asbestos		IAQ - Mold (Non-Viable)	
PLM-BULK	PCM-AIR	AIR (spore trap) - Standard Profile (count/genus identification)	<input type="checkbox"/>
EPA 600/R-93/116 X	NIOSH 7400 <input type="checkbox"/>	AIR (spore trap) - Expanded Profile (w/insect parts/pollen/skin)	<input type="checkbox"/>
Point Count (400) <input type="checkbox"/>	OSHA TWA <input type="checkbox"/>	BULK (tape lift, swab) - Standard Profile (genus identification)	<input type="checkbox"/>
CatesLab No Range (Lab Only)	Sample Date	Number of Samples	Positive Stop
<u>1214436 - 1214411</u>	<u>December 21, 2023</u>	<u>36</u>	Yes <input type="checkbox"/> No X

Sample No.	Sample Description/Location	Volume (air only)
	Stop on positive: No	
	Turnaround: 5 day	
	Office: Jacksonville FL	
	PM: Pete Thompson	

Relinquished By:	Date/Time:	Received By:	Date/Time:
<u>P. Thompson</u>	<u>2023/12/21</u>	<u>[Signature]</u>	<u>12/23/23 1005</u>



Chain of Custody

PLM 35802
SET 51264

2023/12/21

Project Number: EQ237421

Project Name: Limited Asbestos Survey, 14300 Fang Drive Jacksonville

Inspection Date: December 21, 2023 Inspector: Pete Thompson HAs: 12: Number of samples: 36

HA ID	Material	Sample Location	Locations Present	CAT
1A	Light Gray Ridged 2 X 2 Drop-In Ceiling Tiles	Entrance door	Throughout entire building	Friable
1B	Light Gray Ridged 2 X 2 Drop-In Ceiling Tiles	AC closet	Throughout entire building	Friable
1C	Light Gray Ridged 2 X 2 Drop-In Ceiling Tiles	Office	Throughout entire building	Friable
2A	Yellow Carpet Glue	Front door	Throughout	CAT II NF
2B	Yellow Carpet Glue	Emergency door	Throughout	CAT II NF
2C	Yellow Carpet Glue	Glass door	Throughout	CAT II NF
3A	Light Gray Concrete	Curb	Transformer curb in AC room	CAT II NF
3B	Light Gray Concrete	Curb	Transformer curb in AC room	CAT II NF
3C	Light Gray Concrete	Curb	Transformer curb in AC room	CAT II NF
4A	Light Gray Concrete	Glass door	Slab	CAT II NF
4B	Light Gray Concrete	Entrance door	Slab	CAT II NF
4C	Light Gray Concrete	Emergency door	Slab	CAT II NF
5A	Light Gray 4 Inch Vinyl Cove Base And Associated Gray Adhesive	AC closet	Base of Perimeter and internal walls throughout	CAT I NF
5B	Light Gray 4 Inch Vinyl Cove Base And Associated Gray Adhesive	Entrance door	Base of Perimeter and internal walls throughout	CAT I NF
5C	Light Gray 4 Inch Vinyl Cove Base And Associated Gray Adhesive	Glass door	Base of Perimeter and internal walls throughout	CAT I NF
6A	Off-White Duct Mastic	AC duct	AC closet	CAT II NF
6B	Off-White Duct Mastic	AC duct	AC closet	CAT II NF
6C	Off-White Duct Mastic	AC duct	AC closet	CAT II NF
7A	Black Batt Paper	ICS north	Interstitial ceiling space	CAT II NF



Chain of Custody

PLM 35802
SET 51264 2023/12/21

HA ID	Material	Sample Location	Locations Present	CAT
7B	Black Batt Paper	ICS south	Interstitial ceiling space	CAT II NF
7C	Black Batt Paper	ICS center	Interstitial ceiling space	CAT II NF
8A	Dark Brown Window, Door Caulk	Glass door	Glass door, small window in office	CAT II NF
8B	Dark Brown Window, Door Caulk	Glass door	Glass door, small window in office	CAT II NF
8C	Dark Brown Window, Door Caulk	Small window	Glass door, small window in office	CAT II NF
9A	Off-White Drywall System With Finish Coat	ICS	Perimeter and internal walls	Friable
9B	Off-White Drywall System With Finish Coat	ICS	Perimeter and internal walls	Friable
9C	Off-White Drywall System With Finish Coat	ICS	Perimeter and internal walls	Friable
10A	Gray Concrete Block And Mortar	NW corner	Exterior perimeter walls	CAT II NF
10B	Gray Concrete Block And Mortar	NE corner	Exterior perimeter walls	CAT II NF
10C	Gray Concrete Block And Mortar	SW corner	Exterior perimeter walls	CAT II NF
11A	Dark Brown Window Caulk	Glass door	Exterior windows	CAT II NF
11B	Dark Brown Window Caulk	West side window	Exterior windows	CAT II NF
11C	Dark Brown Window Caulk	North side window	Exterior windows	CAT II NF
12A	Gray Joint Caulk	East Wall joint	East wall	CAT II NF
12B	Gray Joint Caulk	East Wall joint	East wall	CAT II NF
12C	Gray Joint Caulk	East Wall joint	East wall	CAT II NF

PLM REPORT SUMMARY



Cates Laboratories
 1339 Motor Circle
 Dallas, Texas 75207 (214) 920-5006

NVLAP Lab No. 200569-0
 TDSHS License No. 30-0287

Client: Terracon	Lab Job No.: PLM-35802
Project (Line 1): Limited Asbestos Inspection	Set No.: 51264
Project (Line 2): 14300 Fang Drive, Jacksonville, FL	Report Date: 1/4/2024
Project No: EQ237421	Sample Date: 12/21/2023
Identification: Asbestos, Bulk Sample Analysis	
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS) EPA Method 600/R-93/116	Page 1 of 4

On 12/22/2023, thirty-six (36) bulk samples were submitted by Mr. Pete Thompson of Terracon for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL1214436	1A	Light Grey Ridged 2 X 2 Drop-In Ceiling Tiles - Entrance Door	None Detected
CL1214437	1B	Light Grey Ridged 2 X 2 Drop-In Ceiling Tiles - AC Closet	None Detected
CL1214438	1C	Light Grey Ridged 2 X 2 Drop-In Ceiling Tiles - Office	None Detected
CL1214439	2A	Yellow Carpet Glue - Front Door	None Detected
CL1214440	2B	Yellow Carpet Glue - Emergency Door	None Detected
CL1214441	2C	Yellow Carpet Glue - Glass Door	None Detected
CL1214442	3A	Light Grey Concrete - Curb	None Detected
CL1214443	3B	Light Grey Concrete - Curb	None Detected
CL1214444	3C	Light Grey Concrete - Curb	None Detected
CL1214445	4A	Light Grey Concrete - Glass Door	None Detected - Paint Layer None Detected - Concrete
CL1214446	4B	Light Grey Concrete - Entrance Door	None Detected - Paint Layer None Detected - Concrete
CL1214447	4C	Light Grey Concrete - Emergency Door	None Detected - Paint Layer None Detected - Concrete
CL1214448	5A	Light Grey 4" Vinyl Cove Base & associated Grey adhesive - AC Closet	None Detected - Cove Base None Detected - Cream Mastic
CL1214449	5B	Light Grey 4" Vinyl Cove Base & associated Grey adhesive - Entrance Door	None Detected - Cove Base None Detected - Cream Mastic
CL1214450	5C	Light Grey 4" Vinyl Cove Base & associated Grey adhesive - Glass Door	None Detected - Cove Base None Detected - Cream Mastic
CL1214451	6A	Off-White Duct Mastic - AC Duct	None Detected
CL1214452	6B	Off-White Duct Mastic - AC Duct	None Detected
CL1214453	6C	Off-White Duct Mastic - AC Duct	None Detected

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY



Cates Laboratories
 1339 Motor Circle
 Dallas, Texas 75207 (214) 920-5006

NVLAP Lab No. 200569-0
 TDSHS License No. 30-0287

Client: Terracon	Lab Job No.: PLM-35802
Project (Line 1): Limited Asbestos Inspection	Set No.: 51264
Project (Line 2): 14300 Fang Drive, Jacksonville, FL	Report Date: 1/4/2024
Project No: EQ237421	Sample Date: 12/21/2023
Identification: Asbestos, Bulk Sample Analysis	
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS) EPA Method 600/R-93/116	Page 2 of 4

On 12/22/2023, thirty-six (36) bulk samples were submitted by Mr. Pete Thompson of Terracon for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL1214454	7A	Black Batt Paper - ICS North	None Detected - Paper/Mastic None Detected - Insulation
CL1214455	7B	Black Batt Paper - ICS South	None Detected - Paper/Mastic None Detected - Insulation
CL1214456	7C	Black Batt Paper - ICS Center	None Detected - Paper/Mastic None Detected - Insulation
CL1214457	8A	Dark Brown Window, Door Caulk - Glass Door	None Detected
CL1214458	8B	Dark Brown Window, Door Caulk - Glass Door	None Detected
CL1214459	8C	Dark Brown Window, Door Caulk - Small Window	None Detected
CL1214460	9A	Off-White Drywall System w/Finish Coat - ICS	None Detected - Finish Coat None Detected - Paper None Detected - Wallboard Material
CL1214461	9B	Off-White Drywall System w/Finish Coat - ICS	None Detected - Finish Coat None Detected - Paper None Detected - Wallboard Material
CL1214462	9C	Off-White Drywall System w/Finish Coat - ICS	None Detected - Finish Coat None Detected - Paper None Detected - Wallboard Material
CL1214463	10A	Grey Concrete Block & Mortar - Northwest Corner	None Detected - Filler/Texture None Detected - CMU Block None Detected - Mortar
CL1214464	10B	Grey Concrete Block & Mortar - Northeast Corner	None Detected - Filler/Texture None Detected - CMU Block None Detected - Mortar
CL1214465	10C	Grey Concrete Block & Mortar - Southwest Corner	None Detected - Filler/Texture None Detected - CMU Block None Detected - Mortar
CL1214466	11A	Dark Brown Window Caulk - Glass Door	None Detected

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY



Cates Laboratories
 1339 Motor Circle
 Dallas, Texas 75207 (214) 920-5006

NVLAP Lab No. 200569-0
 TDSHS License No. 30-0287

Client: Terracon	Lab Job No.: PLM-35802
Project (Line 1): Limited Asbestos Inspection	Set No.: 51264
Project (Line 2): 14300 Fang Drive, Jacksonville, FL	Report Date: 1/4/2024
Project No: EQ237421	Sample Date: 12/21/2023
Identification: Asbestos, Bulk Sample Analysis	
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS) EPA Method 600/R-93/116	Page 3 of 4

On 12/22/2023, thirty-six (36) bulk samples were submitted by Mr. Pete Thompson of Terracon for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL1214467	11B	Dark Brown Window Caulk - West Side Window	None Detected
CL1214468	11C	Dark Brown Window Caulk - North Side Window	None Detected
CL1214469	12A	Grey Joint Caulk - East Wall Joint	None Detected
CL1214470	12B	Grey Joint Caulk - East Wall Joint	None Detected
CL1214471	12C	Grey Joint Caulk - East Wall Joint	None Detected

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY



Cates Laboratories

1339 Motor Circle
Dallas, Texas 75207 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: Terracon
Project (Line 1): Limited Asbestos Inspection
Project (Line 2): 14300 Fang Drive, Jacksonville, FL
Project No: EQ237421
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-35802
Set No.: 51264
Report Date: 1/4/2024
Sample Date: 12/21/2023

Page 4 of 4

On 12/22/2023, thirty-six (36) bulk samples were submitted by Mr. Pete Thompson of Terracon for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein.

STATEMENT OF LABORATORY ACCREDITATION

The samples were analyzed in general accordance with the procedures outlined in the U.S. EPA Interim Method for the Determination of Asbestos in Bulk Insulation Samples as found in 40 CFR, Part 763, Subpart E, Appendix E (formerly Subpart F, Appendix A), or the current U.S. EPA method (EPA Method 600/R-93/116) for the analysis of asbestos in building materials, by polarized light microscopy. The results of each bulk sample relate only to the material tested and the results shall not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

Specific questions concerning bulk sample results shall be directed to the Laboratory Director.

Analyst:

Kathy Schosek

Laboratory Director: John R. Cates, P.G.

Approved Signatory:



TESTING
NVLAP LAB CODE 200569-0

APPENDIX C

LEAD SAMPLE SURVEY SUMMARY

Identified Lead Paint Testing Combinations

Sample ID	Color / Substrate	Locations	Lead Content
1	Beige / Drywall	Interior walls	<0.0160 % wt.
2	Beige / Concrete	Exterior walls	0.0100 % wt.

APPENDIX D

LEAD LABORATORY ANALYSIS



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS-TRAINING

Lead Chain of Custody

EMSL Order Number / Lab Use Only

342328439

EMSL Analytical, Inc.
3303 Parkway Center Court

Orlando, FL 32808
PHONE: (407) 599-5887
EMAIL: orlandolab@emsl.com

Customer Information Customer ID: Company Name: Terracon Consultants Contact Name: Pete Thompson Street Address: 8001 Baymeadows Way #1 City, State, Zip: Jacksonville FL 32256 Country: US Phone: 904-330-4405 Email(s) for Report: pete.thompson@terracon.com	Billing Information Billing ID: Company Name: Terracon Consultants Billing Contact: Pete Thompson Street Address: 8001 Baymeadows Way #1 City, State, Zip: Jacksonville FL 32256 Country: US Phone: 904-330-4405 Email(s) for Invoice:
--	--

Project Information	
Project Name/No: EQ237421	Purchase Order:
EMSL LIMS Project ID: (If applicable, EMSL will provide)	US State where samples collected: FL State of Connecticut (CT) must select project location: <input type="checkbox"/> Commercial (Taxable) <input type="checkbox"/> Residential (Non-Taxable)
Sampled By Name: Pete Thompson	Sampled By Signature: <i>P. Thompson</i> No. of Samples in Shipment: 2

Turn-Around-Time (TAT)

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

Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only, samples must be submitted by 11:30am.

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS <input checked="" type="checkbox"/> % by wt. <input type="checkbox"/> ppm (mg/kg) <input type="checkbox"/> mg/cm ² *Reporting Limit based on a minimum 0.25g sample weight	SW 846-7000B	Flame Atomic Absorption	0.008% (80ppm)	<input checked="" type="checkbox"/>
	SW 846-6010D*	ICP-OES	0.0004% (4ppm)	<input type="checkbox"/>
AIR	NIOSH 7082	Flame Atomic Absorption	4µg/filter	<input type="checkbox"/>
	NIOSH 7300M / NIOSH 7303M	ICP-OES	0.5µg/filter	<input type="checkbox"/>
	NIOSH 7300M / NIOSH 7303M	ICP-MS	0.05µg/filter	<input type="checkbox"/>
WIPE <input type="checkbox"/> ASTM <input type="checkbox"/> NON-ASTM *If no box is checked, non-ASTM Wipe is assumed	SW 846-7000B	Flame Atomic Absorption	10µg/wipe	<input type="checkbox"/>
	SW 846-6010D*	ICP-OES	1.0µg/wipe	<input type="checkbox"/>
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
TTLC	22 CCR App. II, 7000B	Flame Atomic Absorption	40mg/kg (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)	<input type="checkbox"/>
STLC	22 CCR App. II, 7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)	<input type="checkbox"/>
	SW 846-6010D*	ICP-OES	2mg/kg (ppm)	<input type="checkbox"/>
Wastewater Unpreserved <input type="checkbox"/> PH<2 Preserved with HNO3 <input type="checkbox"/> PH<2	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 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"/> PH<2 Preserved with HNO3 <input type="checkbox"/> PH<2	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input type="checkbox"/>
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	<input type="checkbox"/>
Other:				<input type="checkbox"/>

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
1	DRYWALL / INTERIOR	BERGE	
2	CONCRETE / WALLS + SLAB	BERGE	

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by: <i>Pete Thompson</i>	Date/Time: <i>2023/12/21</i>	Received by: <i> </i>	Date/Time: <i>DEC 22 2023</i>
Relinquished by:	Date/Time:	Received by:	Date/Time:



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: 342328439

CustomerID: TRCF34

CustomerPO: EQ237421

ProjectID:

Attn: **Pete Thompson**
Terracon Consultants, Inc.
8001 Baymeadows Way, Suite 1
Jacksonville, FL 32256

Phone: (904) 419-7055
Fax:
Received: 12/22/2023 10:24 AM
Collected:

Project: **EQ237421**

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>
1	342328439-0001 Site: Drywall / Interior, Beige	12/26/2023	12/26/2023	0.1264 g	<0.016 % wt
2	342328439-0002 Site: Concrete / Walls + Slab, Beige	12/26/2023	12/26/2023	0.3135 g	0.010 % wt

Heather Ohye, Metals Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. 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 or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.

* Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.

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

Initial report from 12/28/2023 16:21:13