

Asbestos Survey Report

H.013842 – Causeway Boulevard – Earhart Expressway
1712 S. Causeway Boulevard
Metairie, Louisiana 70001

March 17, 2022
Terracon Project No. ET217145B



Prepared for:

Louisiana Department of Transportation
Baton Rouge, Louisiana

Prepared by:

Terracon Consultants, Inc.
New Orleans, Louisiana

terracon.com

Terracon

Environmental



Facilities



Geotechnical



Materials

March 17, 2022



Louisiana Department of Transportation (LADOT)
P.O. Box 94245
Baton Rouge, Louisiana 70804

Attn: Ms. Radha Kumar (DOTD Program Specialist)
P: 225.242.4554
E: Radha.Kumar@la.gov

Re: Asbestos Survey Report
H.013842 – Causeway Boulevard – Earhart Expressway
1712 S. Causeway Boulevard
Metairie, Louisiana 70001
Terracon Project No. ET217145B


Dear Ms. Kumar:


The purpose of this report is to present the results of the services performed at the residential structure located at 1712 S. Causeway Boulevard in Metairie, Louisiana. The scope of work included an asbestos survey. These services were conducted in general accordance with our Right of Way Consultant Task Order Assignment dated March 3, 2022, and the IDIQ Contract for Right of Way Services (Contract No. 40000125) dated November 19, 2020. Terracon understands that this survey was requested due to the planned demolition of the structure.

Asbestos-containing materials (ACM) were not identified at the subject site. Please refer to the attached report for details.

Terracon appreciates the opportunity to provide this service. If you have any questions regarding this report, please contact the undersigned at (504) 818-3638.

Sincerely,
Terracon Consultants, Inc.


Adam M. McEvoy
Assistant Project Manager


Zack L. Dial, P.E.
Office Manager



Terracon Consultants, Inc. 524 Elmwood Park Blvd. Suite 170 New Orleans, Louisiana 70123
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ASBESTOS SURVEY REPORT
H.013842 – Causeway Boulevard – Earhart Expressway
1712 S. Causeway Boulevard
Metairie, Louisiana
Terracon Project No. ET217145B
March 17, 2022

1.0 INTRODUCTION

Terracon Consultants, Inc. (Terracon) conducted an asbestos survey of the above referenced structure located at 1712 S. Causeway Boulevard in Metairie, Louisiana. The survey was conducted by Terracon's Louisiana Department of Environmental Quality (LDEQ) accredited asbestos inspector. The scope of Terracon's survey included an asbestos survey. All work was conducted in accordance with our Right of Way Consultant Task Order Assignment dated March 3, 2022, and the IDIQ Contract for Right of Way Services (Contract No. 40000125) dated November 19, 2020.

1.1 Project Objective

The scope of services included a survey for asbestos-containing materials (ACM) in compliance with the United States Environmental Protection Agency (USEPA) regulation 40 CFR 61, Subpart M, National Emission Standards for Hazardous Air Pollutants (NESHAP), and Louisiana Environmental Regulatory Code (ERC) Title 33, Part III, Section 5151 (Chapter 51), which prohibit the release of asbestos fibers to the atmosphere during renovation or demolition activities. The asbestos NESHAP and Chapter 51 require that potentially regulated asbestos-containing building materials be identified, classified and quantified prior to planned disturbances during demolition or renovation activities.

2.0 BUILDING DESCRIPTION

The subject structure consists of an approximately 840-square foot, single-story, pier and beam structure with a wooden frame and pitched asphalt single roof. Interior finishes largely consisted of gypsum board walls and ceilings with carpet, ceramic, wood, and vinyl flooring.

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3.0 FIELD ACTIVITIES

The asbestos survey was conducted by LDEQ accredited asbestos inspector Carlos J. Arguello (AI#: 221486). The survey was conducted in general accordance with the sample collection protocols established in EPA regulation 40 CFR 763, the Asbestos Hazard Emergency Response Act (AHERA). A summary of survey activities is provided below.

3.1 Visual Assessment

Our survey activities began with visual observation of the interior and exterior of the building proposed for renovation/demolition to identify homogeneous areas of suspect ACM. A homogeneous area consists of building materials that appear similar throughout in terms of color, and texture with consideration given to the date of application. Building materials identified as concrete, glass, wood, masonry, metal or rubber were not considered suspect ACM.

Terracon could not assess all void spaces within walls and ceilings or beneath all floor coverings. Therefore, there may be isolated areas of additional suspect material present in the structure.

3.2 Physical Assessment

A physical assessment of each homogeneous area (HA) 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 that can be crumbled, pulverized or reduced to powder by hand pressure when dry. Friability was assessed by physically touching suspect materials.

3.3 Sample Collection

Based on results of the visual observation, bulk samples of suspect ACM were collected in general accordance with AHERA sampling protocols. Random samples of suspect materials were collected in each homogeneous area. The inspector collected bulk samples 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.

Twenty-seven bulk samples were collected from nine homogeneous areas of suspect ACM from the structure. A summary of suspected ACM materials collected during the survey is included as Appendix A. Selective photographs of HAs are presented in Appendix C.

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3.4 Sample Analysis

Bulk samples were submitted under chain-of-custody to Eurofins EMLab P&K of Houston, Texas (NVLAP Accreditation No 600122-0, LELAP Accreditation No 05087) for analysis by polarized light microscopy with dispersion staining techniques per EPA methods (40 CFR 763, Subpart E). The asbestos content, where applicable, was determined by microscopic visual estimation. The laboratory analytical report is included in Appendix B.

4.0 REGULATORY OVERVIEW

The asbestos NESHAP (40 CFR Part 61, Subpart M) regulates asbestos fiber emissions and asbestos waste disposal practices. The asbestos NESHAP regulation also requires the identification and classification of existing ACM according to friability prior to demolition or renovation activity. Under NESHAP, ACM is identified as either friable, Category I non-friable or Category II non-friable ACM. Friable ACM is a material containing more than 1% asbestos that, when dry, can be crumbled, pulverized or reduced to powder by hand pressure. All friable ACM is considered regulated asbestos containing material (RACM).

RACM includes all friable ACM, along with Category I and Category II non-friable ACM that has become friable, will be or has been subjected to sanding, grinding, cutting or abrading, or ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder in the course of renovation or demolition activity.

Category I non-friable ACM are exclusively asbestos-containing packings, gaskets, resilient floor coverings, resilient floor covering mastics and asphalt roofing products that contain more than 1% asbestos. Category II non-friable ACM are all other non-friable materials other than Category I non-friable ACM that contain more than 1% asbestos. Category II non-friable ACM generally includes but is not limited to cementitious material such as: cement pipes, cement siding, cement panels, glazing, mortar and grouts.

The State of Louisiana has established Chapter 27 of the ERC (LAC 33:III.Chapter 27) to regulate the identification, management, and abatement of ACM in schools and state buildings. Chapter 27 requires any asbestos-related activity in a school or state building to be performed by an individual or company accredited by the State of Louisiana, through the LDEQ. An asbestos-related activity consists of the disturbance (whether intentional or unintentional) or abatement of ACM, the performance of asbestos surveys, the development of management plans and response actions, asbestos project design, the collection or analysis of asbestos samples, monitoring for airborne asbestos or any other activity required to be accredited under Louisiana Department of Environmental Quality Chapter 27 Appendix A.

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In non-state, non-school buildings, the State of Louisiana sets forth emission standards for asbestos under Chapter 51 of the ERC (LAC 33:III.Chapter 51). Per Chapter 51 Section P, the following activities, when conducted, must be performed by accredited individuals: asbestos surveys, asbestos abatement, and monitoring for airborne asbestos.

The Louisiana Air Quality Regulations (LAC 33:III.Chapter 51, Subchapter M) require that an inspection be conducted by a person currently accredited as an LDEQ asbestos inspector. LDEQ requires a notification by submitting either an AAC-2 (a) form or AAC-2 (b) form. An AAC 2 (a) form is required when requesting Asbestos Disposal Verification Forms (ADVF) for Asbestos Contaminated Debris Activities (ACDA), Demolition, Renovation, and/or Response Action projects where Regulated Asbestos Containing Material (RACM) is present, or assumed to be present, above the established thresholds or as otherwise required by LAC 33:III.5151.F.1. The AAC-2 (a) form must be either postmarked or hand delivered to the Department at least 10 working days prior to the scheduled dates of asbestos removal. An AAC 2 (b) form is required when greater than 64 square feet of Vinyl Asbestos Tile (VAT) is removed without the intent of making it RACM, or when lab analysis of properly sampled materials indicates that no ACM is present; that ACM present is not RACM and will not be made RACM by the demolition; or that all RACM present is less than established thresholds. The established thresholds per LAC 33:III.5151.F.1 include the combined amount of RACM less than 60 linear feet on pipes, 64 square feet on other facility components or 27 cubic feet of material where length or area could not be measured previously. A Form AAC-2 (b) must be postmarked or hand delivered to the Department at least 5 working days prior to the scheduled date of asbestos removal or 3 working days if the removal only includes resilient floor covering per LAC 33:III.5151.F.2.c.

Any individual or company contracted to perform a demolition or renovation activity that disturbs RACM above established regulatory thresholds must be recognized by the Louisiana Licensing Board for Contractors to perform asbestos abatement.

The United States Occupational Safety and Health Administration (USOSHA) asbestos standard for construction (29 CFR 1926.1101) regulates workplace exposure to asbestos. The USOSHA standard requires that employee exposure to airborne asbestos must not exceed 0.1 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 USOSHA's asbestos permissible exposure limits (PELs). The USOSHA standard classifies construction and maintenance activities that could disturb ACM and specifies work practices and precautions that employers must follow when engaging in each class of regulated work. The standard also specifies requirements for handling materials containing asbestos in concentrations less than or equal to 1%.

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5.0 FINDINGS & RECOMMENDATIONS

PLM sample analysis indicated a concentration <1% asbestos in the following materials:

- HA-06: White Wallboard with Joint Compound

Although these materials are not considered asbestos-containing per EPA NESHAP, the OSHA asbestos standard for construction (29 CFR 1926.1101) regulates workplace exposure to asbestos regardless of concentration. The OSHA standard requires that employee exposure to airborne asbestos fibers be maintained below 0.1 asbestos fibers per cubic centimeter of air (0.1 f/cc). The disturbance of this material has the potential to result in the release of airborne asbestos fibers.

The Louisiana Air Quality Regulations (LAC 33:II Chapter 51, Subchapter M) require that an inspection be conducted by a person currently accredited as an LDEQ asbestos inspector. The results of this survey did not identify any asbestos-containing materials, however, LDEQ requires written notification (AAC-2b) prior to any demolition activity, regardless of whether the building contains asbestos.

It should be noted that suspect materials, other than those identified during this survey, may exist within the building. Should suspect materials other than those that were identified during this survey be uncovered during the demolition process, those materials should be assumed asbestos-containing until sampling and analysis can confirm or deny their asbestos content.

A summary of each material sampled and analyzed is presented in Appendix A. Laboratory analytical reports are presented in Appendix B. Room ID designations, and sample locations are presented in Appendix D.

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1712 S. Causeway Boulevard ■ Metairie, Louisiana

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6.0 GENERAL COMMENTS

This asbestos survey was 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. The results, findings, conclusions and recommendations expressed in this report are based on conditions observed during our survey of the building. The information contained in this report is relevant to the date on which this survey was 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 Louisiana Department of Transportation for specific application to their project as discussed. 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 SURVEY SAMPLE SUMMARY**

TABLE 1.0
ASBESTOS SURVEY SAMPLE SUMMARY
H.013842 – Causeway Blvd. – Earhart Expressway
1712 S. Causeway Boulevard
Metairie, Louisiana
Terracon Project No. ET217145B

HA	Material Description	Material Location	Condition	Sample Number	Lab Results
01	Red Brick Pattern Faux Wood Wall Paneling	Kitchen	Good	01-01	None Detected
				01-02	None Detected
				01-03	None Detected
02	Brown Vinyl Sheet Flooring	Kitchen Utility Room	Good	02-04	None Detected
				02-05	None Detected
				02-06	None Detected
03	Brown Carpet with Yellow Padding and Yellow Leveling Compound	Bedroom 1	Good	03-07	None Detected
				03-08	None Detected
				03-09	None Detected
04	White 12"x12" Floor Tile under Carpet	Bedroom 2	Damaged	04-10	None Detected
				04-11	None Detected
				04-12	None Detected
05	Red Ceramic 12"x12" Floor Tile with Black Grout and White Thinset	Bathroom	Damaged	05-13	None Detected
				05-14	None Detected
				05-15	None Detected
06	White Wallboard with Joint Compound	Throughout	Good	06-16	None Detected
				06-17	Wallboard – None Detected Tape – None Detected Joint Compound - <1% Chrysothile
				06-18	None Detected

TABLE 1.0
ASBESTOS SURVEY SAMPLE SUMMARY
H.013842 – Causeway Blvd. – Earhart Expressway
1706 Causeway Boulevard
Metairie, Louisiana
Terracon Project No. ET217145

HA	Material Description	Material Location	Condition	Sample Number	Lab Results
07	Black and Brown Weather Board underneath Exterior Siding	Exterior	Good	07-19	None Detected
				07-20	None Detected
				07-21	None Detected
08	Grey Exterior Window Caulking	Exterior Windows	Good	08-22	None Detected
				08-23	None Detected
				08-24	None Detected
09	Black Roof Shingles with Black Tar Paper	Roof	Good	09-25	None Detected
				09-26	None Detected
				09-27	None Detected

APPENDIX B
LABORATORY ANALYTICAL REPORTS

Report for:

Adam McEvoy
Terracon - New Orleans
524 Elmwood Park Blvd Ste 170
New Orleans, LA 70123

Regarding: Project: ET217145B; H.013842 - Parcel 2-5 -1712 S. Causeway Blvd
EML ID: 2873806

Approved by:

Dates of Analysis:
Asbestos PLM: 03-14-2022



Approved Signatory
Gregorio Delgado

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)
NVLAP Lab Code 600122-0

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received and tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

Eurofins EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

Adam McEvoy

CLIENT PROJECT: ET217145B; H.013842 - Parcel 2-5 -1712 S. Causeway Blvd

EMLab ID#: 2873806

TEST METHOD: EPA METHOD 600/R93/116 & EPA 40CFR App E to Sub E of Part 763

REPORT DATE: 03-15-2022

TOTAL SAMPLES ANALYZED: 27

SAMPLES >1% ASBESTOS: 0



EMLab P&K

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: ET217145B; H.013842 - Parcel 2-5 -1712 S. Blvd **EMLab #ID:** 2873806

METHOD: EPA METHOD 600/R93/116 & EPA 40CFR App E to Sub E of Part 763

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
1712-01-01	1	13783173	Brown	Fibrous Material with Red Surface	None Detected
1712-01-02	1	13783174	Brown	Fibrous Material with Red Surface	None Detected
1712-01-03	1	13783175	Brown	Fibrous Material with Red Surface	None Detected
1712-02-04	1	13783176	Brown	Sheet Flooring with Fibrous Backing	None Detected
	2	13783176	Yellow	Mastic	None Detected
1712-02-05	1	13783177	Brown	Sheet Flooring with Fibrous Backing	None Detected
	2	13783177	Yellow	Mastic	None Detected
1712-02-06	1	13783178	Brown	Sheet Flooring with Fibrous Backing	None Detected
	2	13783178	Yellow	Mastic	None Detected
1712-03-07	1	13783179	Brown	Carpet	None Detected
	2	13783179	Yellow	Carpet Pad	None Detected
	3	13783179	Off-White	Leveling Compound	None Detected
1712-03-08	1	13783180	Brown	Carpet	None Detected
	2	13783180	Yellow	Carpet Pad	None Detected
	3	13783180	Off-White	Leveling Compound	None Detected
1712-03-09	1	13783181	Brown	Carpet	None Detected
	2	13783181	Yellow	Carpet Pad	None Detected
	3	13783181	Off-White	Leveling Compound	None Detected
1712-04-10	1	13783182	White	Floor Tile	None Detected
1712-04-11	1	13783183	White	Floor Tile	None Detected
1712-04-12	1	13783184	White	Floor Tile	None Detected
1712-05-13	1	13783185	Red	Ceramic Tile	None Detected
	2	13783185	Black	Grout	None Detected
	3	13783185	White	Adhesive	None Detected
1712-05-14	1	13783186	Red	Ceramic Tile	None Detected
	2	13783186	Black	Grout	None Detected
	3	13783186	White	Adhesive	None Detected
1712-05-15	1	13783187	Red	Ceramic Tile	None Detected
	2	13783187	Black	Grout	None Detected
	3	13783187	White	Adhesive	None Detected

PROJECT: ET217145B; H.013842 - Parcel 2-5 -1712 S. Blvd **EMLab #ID:** 2873806

METHOD: EPA METHOD 600/R93/116 & EPA 40CFR App E to Sub E of Part 763

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
1712-06-16	1	13783188	White	Drywall with Brown Paper	None Detected
	2	13783188	White	Joint Compound with Tan Paint	None Detected
1712-06-17	1	13783189	White	Drywall with Brown Paper	None Detected
	2	13783189	Off-White	Joint Compound	< 1% Chrysotile
	3	13783189	Cream	Tape	None Detected
	4	13783189	Off-White	Texture with Multilayered Paint	< 1% Chrysotile
	5	13783189	White	Texture with Multilayered Paint	None Detected
1712-06-18	1	13783190	White	Drywall with Brown Paper	None Detected
	2	13783190	White	Joint Compound	None Detected
	3	13783190	White	Tape (Mesh)	None Detected
	4	13783190	White	Texture with White Paint	None Detected
1712-07-19	1	13783191	Brown	/Black Fibrous Material	None Detected
1712-07-20	1	13783192	Brown	/Black Fibrous Material	None Detected
1712-07-21	1	13783193	Brown	/Black Fibrous Material	None Detected
1712-08-22	1	13783194	White	Caulk with White Paint	None Detected
1712-08-23	1	13783195	White	Caulk with White Paint	None Detected
1712-08-24	1	13783196	White	Caulk with White Paint	None Detected
1712-09-26	1	13783197	Black	Roofing Shingle with Black Pebbles	None Detected
	2	13783197	Black	Roofing Tar Paper	None Detected
1712-09-27	1	13783198	Black	Roofing Shingle with Black Pebbles	None Detected
	2	13783198	Black	Roofing Tar Paper	None Detected
1712-09-25	1	13783199	Black	Roofing Shingle with Black Pebbles	None Detected
	2	13783199	Black	Roofing Tar Paper	None Detected

Client: Terracon - New Orleans
 C/O: Adam McEvoy
 Re: ET217145B; H.013842 - Parcel 2-5 -1712 S.
 Causeway Blvd

Date of Sampling: 03-11-2022
 Date of Receipt: 03-14-2022
 Date of Report: 03-15-2022

ASBESTOS PLM REPORT**Total Samples Submitted:** 27**Total Samples Analyzed:** 27**Total Samples with Layer Asbestos Content > 1%:** 0**Location: 1712-01-01, Faux Wood Paneling - Red**

Lab ID-Version‡: 13783173-1

Sample Layers	Asbestos Content
Brown Fibrous Material with Red Surface	ND
Composite Non-Asbestos Content:	90% Cellulose
Sample Composite Homogeneity:	Good

Location: 1712-01-02, Faux Wood Paneling - Red

Lab ID-Version‡: 13783174-1

Sample Layers	Asbestos Content
Brown Fibrous Material with Red Surface	ND
Composite Non-Asbestos Content:	90% Cellulose
Sample Composite Homogeneity:	Good

Location: 1712-01-03, Faux Wood Paneling - Red

Lab ID-Version‡: 13783175-1

Sample Layers	Asbestos Content
Brown Fibrous Material with Red Surface	ND
Composite Non-Asbestos Content:	90% Cellulose
Sample Composite Homogeneity:	Good

Location: 1712-02-04, Brown - Vinyl Floor Sheeting

Lab ID-Version‡: 13783176-1

Sample Layers	Asbestos Content
Brown Sheet Flooring with Fibrous Backing	ND
Yellow Mastic	ND
Composite Non-Asbestos Content:	12% Cellulose 3% Glass Fibers
Sample Composite Homogeneity:	Moderate

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. Eurofins EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: Terracon - New Orleans
 C/O: Adam McEvoy
 Re: ET217145B; H.013842 - Parcel 2-5 -1712 S.
 Causeway Blvd

Date of Sampling: 03-11-2022
 Date of Receipt: 03-14-2022
 Date of Report: 03-15-2022

ASBESTOS PLM REPORT**Location: 1712-02-05, Brown - Vinyl Floor Sheeting**

Lab ID-Version‡: 13783177-1

Sample Layers	Asbestos Content
Brown Sheet Flooring with Fibrous Backing	ND
Yellow Mastic	ND
Composite Non-Asbestos Content:	12% Cellulose 3% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 1712-02-06, Brown - Vinyl Floor Sheeting

Lab ID-Version‡: 13783178-1

Sample Layers	Asbestos Content
Brown Sheet Flooring with Fibrous Backing	ND
Yellow Mastic	ND
Composite Non-Asbestos Content:	12% Cellulose 3% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 1712-03-07, Brown Carpet and Padding (Yellow) and Float (Yellow)

Lab ID-Version‡: 13783179-1

Sample Layers	Asbestos Content
Brown Carpet	ND
Yellow Carpet Pad	ND
Off-White Leveling Compound	ND
Composite Non-Asbestos Content:	20% Synthetic Fibers 2% Glass Fibers
Sample Composite Homogeneity:	Poor

Location: 1712-03-08, Brown Carpet and Padding (Yellow) and Float (Yellow)

Lab ID-Version‡: 13783180-1

Sample Layers	Asbestos Content
Brown Carpet	ND
Yellow Carpet Pad	ND
Off-White Leveling Compound	ND
Composite Non-Asbestos Content:	20% Synthetic Fibers 2% Glass Fibers
Sample Composite Homogeneity:	Poor

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Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

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Client: Terracon - New Orleans
 C/O: Adam McEvoy
 Re: ET217145B; H.013842 - Parcel 2-5 -1712 S.
 Causeway Blvd

Date of Sampling: 03-11-2022
 Date of Receipt: 03-14-2022
 Date of Report: 03-15-2022

ASBESTOS PLM REPORT**Location: 1712-03-09, Brown Carpet and Padding (Yellow) and Float (Yellow)**

Lab ID-Version‡: 13783181-1

Sample Layers	Asbestos Content
Brown Carpet	ND
Yellow Carpet Pad	ND
Off-White Leveling Compound	ND
Composite Non-Asbestos Content:	20% Synthetic Fibers 2% Glass Fibers
Sample Composite Homogeneity:	Poor

Location: 1712-04-10, White 12x12 Floor Tile Under Carpet

Lab ID-Version‡: 13783182-1

Sample Layers	Asbestos Content
White Floor Tile	ND
Sample Composite Homogeneity:	Good

Location: 1712-04-11, White 12x12 Floor Tile Under Carpet

Lab ID-Version‡: 13783183-1

Sample Layers	Asbestos Content
White Floor Tile	ND
Sample Composite Homogeneity:	Good

Location: 1712-04-12, White 12x12 Floor Tile Under Carpet

Lab ID-Version‡: 13783184-1

Sample Layers	Asbestos Content
White Floor Tile	ND
Sample Composite Homogeneity:	Good

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. Eurofins EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: Terracon - New Orleans
 C/O: Adam McEvoy
 Re: ET217145B; H.013842 - Parcel 2-5 -1712 S.
 Causeway Blvd

Date of Sampling: 03-11-2022
 Date of Receipt: 03-14-2022
 Date of Report: 03-15-2022

ASBESTOS PLM REPORT

Location: 1712-05-13, Red Ceramic Tile 12x12 and Grout (Black) and Float (White) Lab ID-Version‡: 13783185-1

Sample Layers	Asbestos Content
Red Ceramic Tile	ND
Black Grout	ND
White Adhesive	ND
Sample Composite Homogeneity: Poor	

Location: 1712-05-14, Red Ceramic Tile 12x12 and Grout (Black) and Float (White) Lab ID-Version‡: 13783186-1

Sample Layers	Asbestos Content
Red Ceramic Tile	ND
Black Grout	ND
White Adhesive	ND
Sample Composite Homogeneity: Poor	

Location: 1712-05-15, Red Ceramic Tile 12x12 and Grout (Black) and Float (White) Lab ID-Version‡: 13783187-1

Sample Layers	Asbestos Content
Red Ceramic Tile	ND
Black Grout	ND
White Adhesive	ND
Sample Composite Homogeneity: Poor	

Location: 1712-06-16, Gypsum and Mud and Paper Lab ID-Version‡: 13783188-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper	ND
White Joint Compound with Tan Paint	ND
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity: Poor	

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‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: Terracon - New Orleans
 C/O: Adam McEvoy
 Re: ET217145B; H.013842 - Parcel 2-5 -1712 S.
 Causeway Blvd

Date of Sampling: 03-11-2022
 Date of Receipt: 03-14-2022
 Date of Report: 03-15-2022

ASBESTOS PLM REPORT**Location: 1712-06-17, Gypsum and Mud and Paper**

Lab ID-Version‡: 13783189-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper	ND
Off-White Joint Compound	< 1% Chrysotile
Cream Tape	ND
Off-White Texture with Multilayered Paint	< 1% Chrysotile
White Texture with Multilayered Paint	ND
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Poor

Location: 1712-06-18, Gypsum and Mud and Paper

Lab ID-Version‡: 13783190-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper	ND
White Joint Compound	ND
White Tape (Mesh)	ND
White Texture with White Paint	ND
Composite Non-Asbestos Content:	20% Cellulose 5% Glass Fibers
Sample Composite Homogeneity:	Poor

Location: 1712-07-19, Weather Board Underneath Exterior Paneling - Black and Brown

Lab ID-Version‡: 13783191-1

Sample Layers	Asbestos Content
Brown/Black Fibrous Material	ND
Composite Non-Asbestos Content:	80% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 1712-07-20, Weather Board Underneath Exterior Paneling - Black and Brown

Lab ID-Version‡: 13783192-1

Sample Layers	Asbestos Content
Brown/Black Fibrous Material	ND
Composite Non-Asbestos Content:	80% Cellulose
Sample Composite Homogeneity:	Moderate

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‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: Terracon - New Orleans
 C/O: Adam McEvoy
 Re: ET217145B; H.013842 - Parcel 2-5 -1712 S.
 Causeway Blvd

Date of Sampling: 03-11-2022
 Date of Receipt: 03-14-2022
 Date of Report: 03-15-2022

ASBESTOS PLM REPORT

Location: 1712-07-21, Weather Board Underneath Exterior Paneling - Black and Brown

Lab ID-Version‡: 13783193-1

Sample Layers	Asbestos Content
Brown/Black Fibrous Material	ND
Composite Non-Asbestos Content:	80% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 1712-08-22, Gray Caulking at Ext Windows

Lab ID-Version‡: 13783194-1

Sample Layers	Asbestos Content
White Caulk with White Paint	ND
Sample Composite Homogeneity:	Good

Location: 1712-08-23, Gray Caulking at Ext Windows

Lab ID-Version‡: 13783195-1

Sample Layers	Asbestos Content
White Caulk with White Paint	ND
Sample Composite Homogeneity:	Good

Location: 1712-08-24, Gray Caulking at Ext Windows

Lab ID-Version‡: 13783196-1

Sample Layers	Asbestos Content
White Caulk with White Paint	ND
Sample Composite Homogeneity:	Good

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‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: Terracon - New Orleans
 C/O: Adam McEvoy
 Re: ET217145B; H.013842 - Parcel 2-5 -1712 S.
 Causeway Blvd

Date of Sampling: 03-11-2022
 Date of Receipt: 03-14-2022
 Date of Report: 03-15-2022

ASBESTOS PLM REPORT**Location: 1712-09-26, Black - Roof Shingles and Tar Paper - Black**

Lab ID-Version‡: 13783197-1

Sample Layers	Asbestos Content
Black Roofing Shingle with Black Pebbles	ND
Black Roofing Tar Paper	ND
Composite Non-Asbestos Content:	20% Cellulose 5% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 1712-09-27, Black - Roof Shingles and Tar Paper - Black

Lab ID-Version‡: 13783198-1

Sample Layers	Asbestos Content
Black Roofing Shingle with Black Pebbles	ND
Black Roofing Tar Paper	ND
Composite Non-Asbestos Content:	20% Cellulose 5% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 1712-09-25, Black - Roof Shingles and Tar Paper - Black

Lab ID-Version‡: 13783199-1

Sample Layers	Asbestos Content
Black Roofing Shingle with Black Pebbles	ND
Black Roofing Tar Paper	ND
Composite Non-Asbestos Content:	20% Cellulose 5% Glass Fibers
Sample Composite Homogeneity:	Moderate

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‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Report for:

Adam McEvoy
Terracon - New Orleans
524 Elmwood Park Blvd Ste 170
New Orleans, LA 70123

Regarding: Project: ET217145B; H.013842 - Parcel 2-5 -1712 S. Causeway Blvd
EML ID: 2873806

Approved by:

Dates of Analysis:
Asbestos PLM: 03-14-2022



Approved Signatory
Gregorio Delgado

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)
NVLAP Lab Code 600122-0

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received and tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

Eurofins EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.



002873806

Lab Use Only:

Select a Laboratory:

Lab Location:

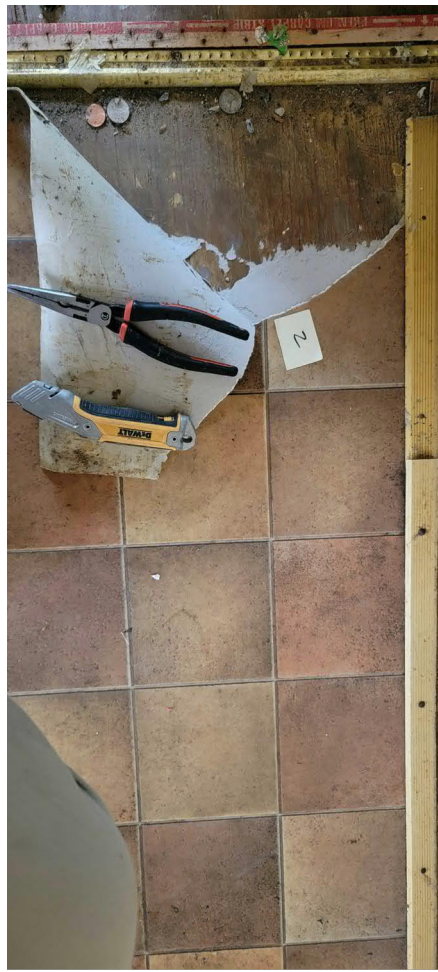
Page 2 of

Sample Number	Sample Location	HA Description (Color, Dimensions, Descriptor, then Type)	HA General Location	Estimated Quantity	Condition:
1712-01-01		Faux wood paneling	Kitchen	100	G D SD
1712-01-02		- red			
1712-01-03					
1712-02-04	K1	Brown - Vinyl Floor Sheeting	Kitchen		
1712-02-05	K1		Utility	230	G D SD
1712-02-06	U.V.I.D.				
1712-03-07		Brown Carpet + Padding (yellow) + Float (yellow)	Bed 1	125	G D SD
1712-03-08					
1712-03-09		White 12x12 Floor Tile Under Carpet	Bed 2	50	G D SD
1712-04-10					
1712-04-11					
1712-04-12					
1712-05-13		Red Ceramic tile 12x12 + Grout (Black) + Float (white)	Bath room	30	G D SD
1712-05-14					
1712-05-15					
1712-06-16	Living	Gypsum + mud + paper	Living	100	G D SD
1712-06-17	Bed 1				
1712-06-18	Bed 2				
1712-07-19		Weather board underneath			
1712-07-10		Exterior paneling - Black & Brown	Ext	800	G D SD
1712-07-21					

APPENDIX C
PHOTOGRAPH LOG



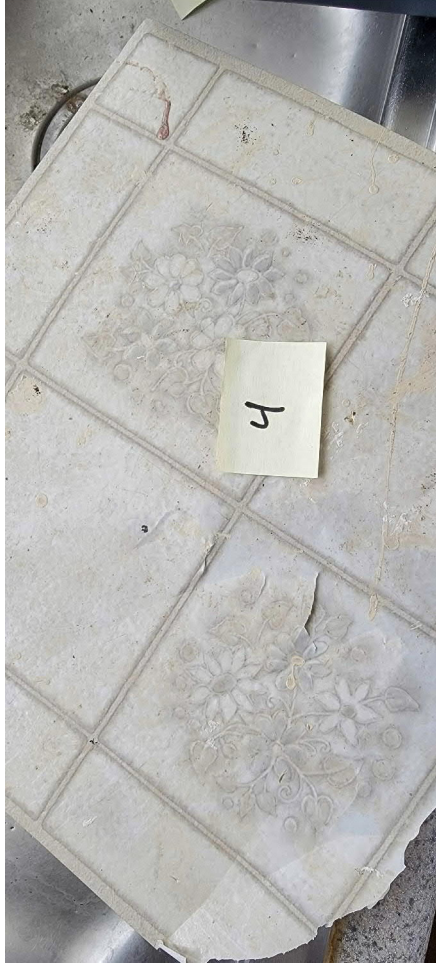
Photograph No. 1
HA-01: Red Brick Pattern Faux Wood Wall Paneling



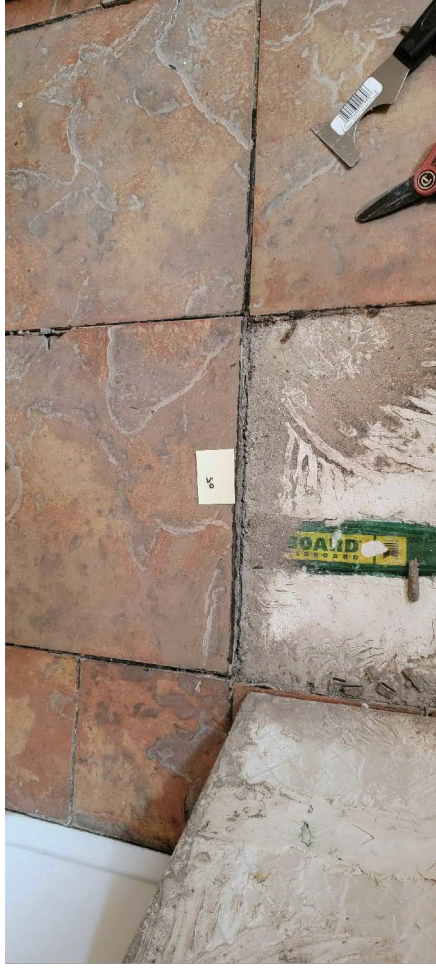
Photograph No. 2
HA-02: Brown Vinyl Sheet Flooring



Photograph No. 3
HA-03: Brown Carpet with Yellow Padding and Yellow Leveling Compound



Photograph No. 4
HA-04: White 12"x12" Floor Tile under Carpet



Photograph No. 5
HA-05: Red Ceramic 12"x12" Floor Tile with Black Grout and White Thinset



Photograph No. 6
HA-06: White Wallboard with Joint Compound



Photograph No. 7
HA-07: Black and Brown Weather Board underneath Exterior Siding

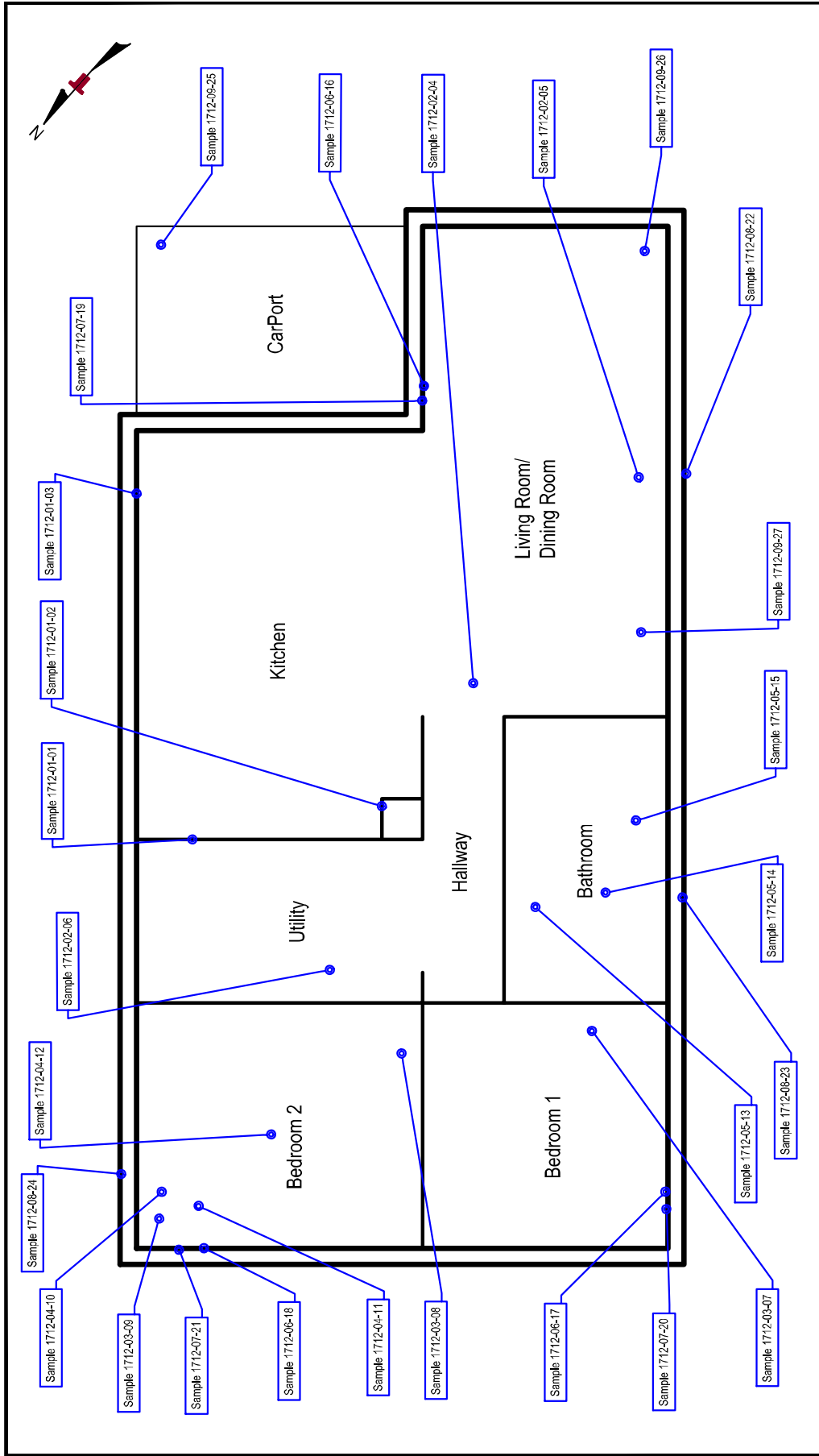


Photograph No. 8
HA-08: Grey Exterior Window Caulking



Photograph No. 9
HA-09: Black Roof Shingles with Black Tar Paper

APPENDIX D
EXHIBITS



<p>Terracon Consulting Engineers and Scientists NEW ORLEANS, LA 70123 524 ELMWOOD PARK BOULEVARD #170</p>	<p>SCALE: NOT TO SCALE PROJECT NO: ET217146B DATE: March 13, 2022</p>	<p>Bulk Sample Locations 1712 Causeway Blvd, Metairie, LA, 70001</p>	<p>EXHIBIT 1.0</p>
	<p>LEGEND Sample Location and ID</p> <p>Sample XXX-XX</p>		

APPENDIX E
CERTIFICATIONS

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that

Carlos J Arguello

Has complied with all requirements of the Louisiana Department of Environmental Quality
and is authorized to perform the duties of

Asbestos Inspector


Accreditation No. DI221486

AI No. 221486

Date of Issuance December 1, 2021

Expiration December 23, 2022

Failure to comply with all applicable provisions of La. R.S. 2025.E. (1)(a) and La. R.S. 2025.F. (2)(a)
may result in civil and/or criminal enforcement actions by the State.


Permit Support Services Division
Office of Environmental Services

JOHN BEL EDWARDS
GOVERNOR



CHUCK CARR BROWN, PH.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Read Receipt Requested

AI No. 211116
Activity No. ACC20210001
LELAP Lab ID # 05087
Accreditation Year FY 2022
Renewal due FY 2025

Mr. Dan Shelby
Eurofins EMLab P&K Houston
10900 Brittmoore Park Dr Ste G
Houston, Texas 77041

Re: Renewal Scope of Accreditation

Dear Mr. Shelby:

On June 17, 2021, the Louisiana Environmental Laboratory Accreditation Program (LELAP) received a renewal application for Accreditation.

The Louisiana Department of Environmental Quality's laboratory accreditation program, in accordance with Louisiana Administrative Code, Title 33, Part I, Subpart 3, Laboratory Accreditation, accredits this laboratory for Fiscal Year 2022. This accreditation does not constitute an endorsement of the suitability of the listed methods for any specific purpose. Accreditation of the environmental laboratory does not imply that a product, process, system, or person is approved by LELAP. The laboratory is accredited for the methods as identified on the application for accreditation; if the methods are partially identified on the application for accreditation, the laboratory is accredited for the versions listed on the current application or referenced in the laboratory standard operating procedure.

Louisiana Environmental Laboratory Accreditation Program (LELAP) accreditation is granted only for those methods/analytes for which "STATE" is indicated as the type of accreditation. Accreditation is dependent on the laboratory's successful ongoing compliance with regulations as outlined in the Louisiana Administrative Code, Title 33, Part I, Subpart 3, Laboratory Accreditation.

The accreditation certificate is the property of the State of Louisiana. Should your accreditation be suspended or revoked, your laboratory must return the certificate of accreditation to the department and delete any electronic copies until your accreditation status is restored.

LAC 33:I.5313.A requires that the laboratory report include all relevant information. Therefore, the certificate number shall be placed in the upper right corner of all laboratory reports. If the test report

Mr. Dan Shelby
Eurofins EMLab P&K Houston
Page 2 of 2

includes results of any test for which the laboratory is not accredited, the unaccredited results must be clearly identified as such.

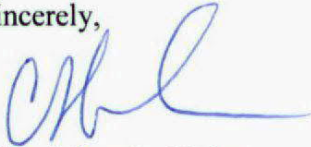
We request that you examine the scope of accreditation attachment for accuracy and completeness. If you find that an analyte for which you expected to be accredited is not listed, please examine your records to ensure that:

1. You have met the requirements for successful participation in proficiency test studies as outlined in LAC 33:I.4711.
2. In the case of accreditation by recognition, the requested analyte must be listed for the requested method and matrix on both the certificate issued by the Primary Accreditation Body *and* on the Louisiana application form.

If after reviewing this information, the scope and/or certificate are inaccurate, please notify us immediately.

If you have any questions, please contact your assigned assessor Jacob P. Byrd, Environmental Scientist at (225) 219-7585.

Sincerely,



Cheryl Sonnier Nolan
Administrator
Public Participation and Permit Support Services Division

25 June 2024
Date

CSN:KHW:jpb



STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

Is hereby granting a Louisiana Environmental Laboratory Accreditation to



**Eurofins EMLab P&K Houston
10900 Brittmoore Park Dr Ste G
Houston, Texas 77041**

**Agency Interest No. 211116
Activity No. ACC20210001**

According to the Louisiana Administrative Code, Title 33, Part I, Subpart 3, LABORATORY ACCREDITATION, the State of Louisiana formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed in the attachment.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part I, Subpart 3 requirements and acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part I. Please contact the Department of Environmental Quality, Louisiana Environmental Laboratory Accreditation Program (LELAP) to verify the laboratory's scope of accreditation and accreditation status.

Accreditation by the State of Louisiana is not an endorsement or a guarantee of validity of the data generated by the laboratory. Accreditation of the environmental laboratory does not imply that a product, process, system, or person is approved by LELAP. To be accredited initially and maintain accreditation, the laboratory agrees to participate in two single-blind, single-concentration PT studies, where available, per year for each field of testing for which it seeks accreditation or maintains accreditation as required in LAC 33:I.4711.

Cheryl Somnier Nolan
Administrator
Public Participation and Permit Support Services Division

Issued Date: 25 June 2021
Effective Date: July 1, 2021
Expiration Date: June 30, 2022
Certificate Number: 05087



STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

Effective Date: July 1, 2021

10900 Brittmoore Park Dr Ste G, Houston, Texas 77041

Certificate Number: 05087

Eurofins EMLab P&K Houston
AI Number: 211116
Activity No. ACC20210001
Expiration Date: June 30, 2022

Air Emissions

Analyte	Method Name	Method Code	Type	AB
NONE	NONE	NONE	NONE	NONE

Non Potable Water

Analyte	Method Name	Method Code	Type	AB
NONE	NONE	NONE	NONE	NONE

Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
1520 - Asbestos	EPA 600/R-93/116	10294583	NVLAP	LA

Biological Tissue

Analyte	Method Name	Method Code	Type	AB
NONE	NONE	NONE	NONE	NONE



PERMIT SUPPORT AND LELAP SECTION (PLS) ROUTING/APPROVAL SLIP
PUBLIC PARTICIPATION AND PERMIT SUPPORT SERVICES DIVISION



AI No.	211116	Alt. ID No.	05087	Date Rec'd	
Adv. RM Activity No.	ACC20210001			Emergency/Rush?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Subject/Company	Eurofins EMLab P&K Houston		Renewal Scope	Date Due	

PAAR
 LELAP
 PPG
 Other _____

Activity Type:

<input type="checkbox"/> Additional Information Request	<input checked="" type="checkbox"/> Lab Accreditation	<input type="checkbox"/> SOP # _____
<input type="checkbox"/> Letter of Response	<input type="checkbox"/> Scope Amend.-Reduction	<input type="checkbox"/> Form # _____
<input type="checkbox"/> Notif. to Parish Gov. Auth. of Apps Rec'd	<input checked="" type="checkbox"/> Scope Amend.-Addition	<input checked="" type="checkbox"/> Other: <u>Placeholder</u>
<input type="checkbox"/> Notification	<input type="checkbox"/> Scope Amend.-Combined Reduc/Add.	
<input type="checkbox"/> Report	<input type="checkbox"/> Scope Amend.-Correction	

Review / Approval	Date Received	Date Forwarded	Initials	Comments
Staff Assigned		06.22.21	JB	Cover Letter, Certificate, Scope
Supervisor	06/22/2021	06/23/2021	KHW	WAL
ES Manager	6-23-21	6-23-21	PB	reviewed
ES-Staff _____				
Other _____				
Administrator		CSW	6/25/21	
Assistant Secretary				
Secretary				

Comments

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 600122-0

Eurofins EMLab P&K

Houston, TX

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2021-04-01 through 2022-03-31

Effective Dates

A handwritten signature in blue ink, which appears to read "Peter S. Lamm".

For the National Voluntary Laboratory Accreditation Program



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Eurofins EMLab P&K
10900 Brittmoore Park Drive
Suite G
Houston, TX 77041
Urooj Sagheer
Phone: 281-940-2576
Email: urooj.sagheer@eurofinset.com
<http://www.emlab.com>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 600122-0

Bulk Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

A handwritten signature in blue ink, appearing to read "Urooj Sagheer". The signature is written in a cursive style.

For the National Voluntary Laboratory Accreditation Program