

Asbestos Survey Report

H.013842 – Causeway Blvd. – Earhart Expressway]
1710 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 Blvd. – Earhart Expressway
1710 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 1710 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 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



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TABLE OF CONTENTS

1.0	INTRODUCTION	1
1.1	Project Objective.....	1
2.0	BUILDING DESCRIPTION	1
3.0	FIELD ACTIVITIES	2
3.1	Visual Assessment.....	2
3.2	Physical Assessment.....	2
3.3	Sample Collection.....	2
3.4	Sample Analysis	3
4.0	Regulatory Overview	3
5.0	Findings & RECOMMENDATIONS	5
6.0	GENERAL COMMENTS	6

APPENDIX A – Asbestos Survey Sample Summary

APPENDIX B – Laboratory Analytical Reports

APPENDIX C – Photograph Log

APPENDIX D – Exhibits

APPENDIX E – Certifications

ASBESTOS SURVEY REPORT
H.0138472 – Causeway Blvd. – Earhart Expressway
1710 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 1710 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 938-square foot, one-story, pier and beam building with wooden frame and wood siding and a shingle roof. Interior finishes largely consisted of gypsum board walls and ceilings with wood, carpet, or vinyl flooring.

Asbestos Survey Report

1710 S. Causeway Boulevard ■ Metairie, Louisiana

March 17, 2022 ■ Terracon Project No. ET217145B



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.

Fifty-four bulk samples were collected from eighteen 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.

Asbestos Survey Report

1710 S. Causeway Boulevard ■ Metairie, Louisiana

March 17, 2022 ■ Terracon Project No. ET217145B



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.

Asbestos Survey Report

1710 S. Causeway Boulevard ■ Metairie, Louisiana

March 17, 2022 ■ Terracon Project No. ET217145B



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%.

Asbestos Survey Report

1710 S. Causeway Boulevard ■ Metairie, Louisiana

March 17, 2022 ■ Terracon Project No. ET217145B



5.0 FINDINGS & RECOMMENDATIONS

5.1 Findings

5.1.1 Regulated Asbestos Containing Materials

Laboratory analysis of samples collected during this survey confirmed the following RACM:

- HA-04: Ceiling Texture associated with White Wood Ceiling Panel
- HA-08: Brown Vinyl Sheet Flooring with Fibrous Backing
- HA-09: White Vinyl Sheet Flooring
- HA-12: Beige Pattern Wall Sheeting
- HA-13: White Wallboard with Joint Compound

According to LDEQ and USEPA NESHAP regulations, friable ACM is considered RACM and is required to be removed prior to disturbance or demolition.

5.1.2 Special Conditions

Where laboratory analysis identified a flooring as non-ACM, but its associated mastic was ACM, both were considered Category I nonfriable, as separating the two materials in an abatement setting is impractical.

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

- HA-18: White Window Caulking

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.

5.2 Recommendations

As the results of this survey indicated the presence of RACM in connection with the structures, all sections of the AAC-2 (a) Form must be completed and submitted to LDEQ prior to renovation or demolition activities and an Asbestos Disposal Verification Form (ADVF) requested in accordance with the requirements of as indicated in LAC 33:III.5151 Subclause F.1.a. Upon

Asbestos Survey Report

1710 S. Causeway Boulevard ■ Metairie, Louisiana

March 17, 2022 ■ Terracon Project No. ET217145B



proper notification, the LDEQ will issue an ADVF to provide approval to begin demolition activities and to ensure that the ACM is removed and disposed of properly. A current AAC-2(a) form must be on site during all RACM removal activities.

Terracon recommends that the identified ACM be removed and disposed of by a Louisiana-licensed asbestos abatement contractor prior to any renovation activity that will disturb the asbestos containing materials identified.

Terracon recommends preparing specifications (Project Design) for ACM removal. The specifications should include the scope of work, personal protective equipment, work procedures, air monitoring, and documentation. Terracon should be retained to perform 3rd party air monitoring for the duration of asbestos removal activities.

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.

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.0138472 – Causeway Blvd. – Earhart Expressway
1704 Causeway Boulevard
Metairie, Louisiana
Terracon Project No. ET217145

HA	Material Description	Material Location	Condition	Sample Number	Lab Results	NESHAP Category	Estimated Quantity of ACM
01	Brown and Yellow Vinyl Sheet Flooring	Living Room	Significantly Damaged	01-01	None Detected	N/A	N/A
				01-02	None Detected		
				01-03	None Detected		
02	Black Paper Vapor Barrier under HA-01	Living Room	Significantly Damaged	02-04	None Detected	N/A	N/A
				02-05	None Detected		
				02-06	None Detected		
03	Black Mastic under HA-02	Living Room	Damaged	03-07	None Detected	N/A	N/A
				03-08	None Detected		
				03-09	None Detected		
04	White Wood Ceiling Panel With Ceiling Texture	Living Room	Significantly Damaged	04-10	None Detected	RACM	10 SF
				04-11	Ceiling Panel – None Detected Ceiling Texture – 2% Chrysotile		
				04-12	None Detected		
05	Yellow Vinyl Sheet Flooring	Bedroom 1&2	Damaged	05-13	None Detected	N/A	N/A
				05-14	None Detected		
				05-15	None Detected		
06	Green Patterned Vinyl Sheet Flooring	Bedroom 1	Damaged	06-16	None Detected	N/A	N/A
				06-17	None Detected		
				06-18	None Detected		
07	Yellow and Brown Vinyl Sheet Flooring	Bedroom 2	Damaged	07-19	None Detected	N/A	N/A
				07-20	None Detected		
				07-21	None Detected		

TABLE 1.0 (Continued)
ASBESTOS SURVEY SAMPLE SUMMARY
H.0138472 – Causeway Blvd. – Earhart Expressway
1704 Causeway Boulevard
Metairie, Louisiana

HA	Material Description	Material Location	Condition	Sample Number	Lab Results	NESHAP Category	Estimated Quantity of ACM
08	Brown Vinyl Sheet Flooring with Fibrous Backing	Utility Room	Significantly Damaged	08-22	15% Chrysotile	RACM	40 SF
				08-23	15% Chrysotile		
				08-24	15% Chrysotile		
09	White Vinyl Sheet Flooring with Black Mastic	Utility Room	Significantly Damaged	09-25	Sheet Flooring – 4% Chrysotile Mastic – None Detected	RACM	85 SF
				09-26	Sheet Flooring – 2% Chrysotile Mastic – None Detected		
				09-27	Sheet Flooring – 4% Chrysotile Mastic – None Detected		
10	Brown/White Pattern Vinyl Sheet Flooring	Utility Room	Significantly Damaged	10-28	None Detected	N/A	N/A
				10-29	None Detected		
				10-30	None Detected		
11	White Vinyl Wall Sheeting with Black Adhesive	Bathroom	Significantly Damaged	11-31	None Detected	N/A	N/A
				11-32	None Detected		
				11-33	None Detected		
12	Beige Pattern Wall Sheeting with Black Adhesive	Bathroom	Significantly Damaged	12-34	Wall Sheeting – 5% Chrysotile Mastic – None Detected	RACM	10 SF
				12-35	Wall Sheeting – 5% Chrysotile Mastic – None Detected		
				12-36	Wall Sheeting – 5% Chrysotile Mastic – None Detected		

TABLE 1.0 (Continued)
ASBESTOS SURVEY SAMPLE SUMMARY
H.0138472 – Causeway Blvd. – Earhart Expressway
1704 Causeway Boulevard
Metairie, Louisiana

HA	Material Description	Material Location	Condition	Sample Number	Lab Results	NESHAP Category	Estimated Quantity of ACM
13	White Wallboard with Joint Compound and Tape	Throughout	Significantly Damaged	13-37	Wallboard – None Detected Joint Compound – 2% Chrysotile Tape – None Detected Texture – 2% Chrysotile	RACM	80 SF
				13-38	Wallboard – None Detected Joint Compound – 2% Chrysotile Tape – None Detected Texture – 2% Chrysotile		
				13-39	Wallboard – None Detected Joint Compound – 2% Chrysotile Tape – None Detected Texture – 2% Chrysotile		
14	Green Water Barrier behind Wallboard	Bathroom	Damaged	14-40	None Detected	N/A	N/A
				14-41	None Detected		
				14-42	None Detected		
15	White Wallboard Ceiling with Spackle Texture	Kitchen Dining Room	Damaged	15-43	None Detected	N/A	N/A
				15-44	None Detected		
				15-45	None Detected		
16	Brown Exterior Siding	Exterior	Good	16-46	None Detected	N/A	N/A
				16-47	None Detected		
				16-48	None Detected		
17	Red Roof Shingles with Black Tar Paper	Roof	Good	17-49	None Detected	N/A	N/A
				17-50	None Detected		
				17-51	None Detected		
18	White Window Caulking	Exterior Windows	Significantly Damaged	18-52	<1% Chrysotile	N/A	N/A
				18-53	<1% Chrysotile		
				18-54	<1% Chrysotile		

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 3-1 -1710 S. Causeway Blvd
EML ID: 2873813

Approved by:

Dates of Analysis:
Asbestos PLM: 03-14-2022 to 03-16-2022



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 3-1 -1710 S. Causeway Blvd

EMLab ID#: 2873813

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

REPORT DATE: 03-16-2022

TOTAL SAMPLES ANALYZED: 54

SAMPLES >1% ASBESTOS: 13

PROJECT: ET217145B; H.013842- Parcel 3-1 -1710 S. Blvd
EMLab #ID: 2873813

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 %
1710-01-01	1	13784939	Brown	Sheet Flooring with Fibrous Backing	None Detected
1710-01-02	1	13784940	Brown	Sheet Flooring with Fibrous Backing	None Detected
1710-01-03	1	13784941	Brown	Sheet Flooring with Fibrous Backing	None Detected
1710-02-04	1	13784942	Black	Vapor Barrier	None Detected
1710-02-05	1	13784943	Black	Vapor Barrier	None Detected
1710-02-06	1	13784944	Black	Vapor Barrier	None Detected
1710-03-07	1	13784945	Black	Mastic with Tan Wood	None Detected
1710-03-08	1	13784946	Black	Mastic with Tan Wood	None Detected
1710-03-09	1	13784947	Black	Mastic with Tan Wood	None Detected
1710-04-10	1	13784948	Tan	Ceiling Tile with Pink Paint	None Detected
1710-04-11	1	13784949	Tan	Ceiling Tile with Pink Paint	None Detected
	2	13784949	Beige	Ceiling Texture with Pink Paint	2% Chrysotile
1710-04-12	1	13784950	Tan	Ceiling Tile with Pink Paint	None Detected
1710-05-13	1	13784951	Yellow	Sheet Flooring	None Detected
1710-05-14	1	13784952	Yellow	Sheet Flooring	None Detected
1710-05-15	1	13784953	Yellow	Sheet Flooring	None Detected
1710-06-16	1	13784954	Green	Flooring	None Detected
	2	13784954	Green	Flooring	None Detected
1710-06-17	1	13784955	Green	Flooring	None Detected
	2	13784955	Green	Flooring	None Detected
1710-06-18	1	13784956	Green	Flooring	None Detected
	2	13784956	Green	Flooring	None Detected
1710-07-19	1	13784957	Brown	Flooring	None Detected
1710-07-20	1	13784958	Brown	Flooring	None Detected
1710-07-21	1	13784959	Brown	Flooring	None Detected
1710-08-22	1	13784960	Brown	Sheet Flooring with Fibrous Backing	15% Chrysotile
1710-08-23	1	13784961	Brown	Sheet Flooring with Fibrous Backing	15% Chrysotile
1710-08-24	1	13784962	Brown	Sheet Flooring with Fibrous Backing	15% Chrysotile
1710-09-25	1	13784963	White	Floor Tile	4% Chrysotile
	2	13784963	Black	Mastic	None Detected



EMLab P&K

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: ET217145B; H.013842- Parcel 3-1 -1710 S. Blvd
EMLab #ID: 2873813

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 %
1710-09-26	1	13784964	White	Floor Tile	2% Chrysotile
	2	13784964	Black	Mastic	None Detected
1710-09-27	1	13784965	White	Floor Tile	4% Chrysotile
	2	13784965	Black	Mastic	None Detected
1710-10-28	1	13784966	Brown	/White Sheet Flooring with Fibrous Backing	None Detected
1710-10-29	1	13784967	Brown	/White Sheet Flooring with Fibrous Backing	None Detected
1710-10-30	1	13784968	Brown	/White Sheet Flooring with Fibrous Backing	None Detected
1710-11-31	1	13784969	Off-White	Semi-Fibrous Material (Wall Sheeting)	None Detected
	2	13784969	Green	Adhesive	None Detected
	3	13784969	Brown	Mastic with Brown Paper	None Detected
1710-11-32	1	13784970	Off-White	Semi-Fibrous Material (Wall Sheeting)	None Detected
	2	13784970	Green	Adhesive	None Detected
	3	13784970	Brown	Mastic with Brown Paper	None Detected
1710-11-33	1	13784971	Off-White	Semi-Fibrous Material (Wall Sheeting)	None Detected
	2	13784971	Green	Adhesive	None Detected
	3	13784971	Brown	Mastic with Brown Paper	None Detected
1710-12-34	1	13784972	Beige	Tile	5% Chrysotile
	2	13784972	Brown	Adhesive	None Detected
	3	13784972	Green	Adhesive	None Detected
	4	13784972	Brown	Mastic with Brown Paper	None Detected
1710-12-35	1	13784973	Beige	Tile	5% Chrysotile
	2	13784973	Brown	Adhesive	None Detected
	3	13784973	Green	Adhesive	None Detected
	4	13784973	Brown	Mastic with Brown Paper	None Detected
1710-12-36	1	13784974	Beige	Tile	5% Chrysotile
	2	13784974	Brown	Adhesive	None Detected
	3	13784974	Green	Adhesive	None Detected
	4	13784974	Brown	Mastic with Brown Paper	None Detected

PROJECT: ET217145B; H.013842- Parcel 3-1 -1710 S. Blvd
EMLab #ID: 2873813

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 %
1710-13-37	1	13784975	White	Drywall with Brown Paper	None Detected
	2	13784975	White	Joint Compound	2% Chrysotile
	3	13784975	Cream	Tape	None Detected
	4	13784975	White	Texture	2% Chrysotile
	5	13784975	Brown	Mastic	None Detected
1710-13-38	1	13784976	White	Drywall with Brown Paper	None Detected
	2	13784976	White	Joint Compound	2% Chrysotile
	3	13784976	Cream	Tape	None Detected
	4	13784976	White	Texture	2% Chrysotile
	5	13784976	Brown	Mastic	None Detected
	6	13784976	Green	Adhesive	None Detected
	7	13784976	Black	Semi-Fibrous Material	None Detected
1710-13-39	1	13784977	White	Drywall with Brown Paper	None Detected
	2	13784977	White	Joint Compound	2% Chrysotile
	3	13784977	Cream	Tape	None Detected
	4	13784977	White	Texture	2% Chrysotile
	5	13784977	Brown	Mastic	None Detected
	6	13784977	Green	Adhesive	None Detected
	7	13784977	Black	Semi-Fibrous Material	None Detected
1710-14-40	1	13784978	Brown	Fibrous Material	None Detected
	2	13784978	Green	Compound with Green Paint	None Detected
1710-14-41	1	13784979	Brown	Fibrous Material	None Detected
	2	13784979	Green	Compound with Green Paint	None Detected
1710-14-42	1	13784980	Brown	Fibrous Material	None Detected
	2	13784980	Green	Compound with Green Paint	None Detected
1710-15-43	1	13784981	Light Gray	Drywall with Brown Paper	None Detected
	2	13784981	White	Ceiling Texture with White Paint	None Detected
1710-15-44	1	13784982	Light Gray	Drywall with Brown Paper	None Detected
	2	13784982	White	Ceiling Texture with White Paint	None Detected

PROJECT: ET217145B; H.013842- Parcel 3-1 -1710 S. Blvd **EMLab #ID:** 2873813

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 %
1710-15-45	1	13784983	Light Gray	Drywall with Brown Paper	None Detected
	2	13784983	White	Ceiling Texture with White Paint	None Detected
1710-16-46	1	13784984	Black	Non-Fibrous Material with Brown Pebbles	None Detected
	2	13784984	Black	Mastic	None Detected
	3	13784984	Brown	Fibrous Material	None Detected
1710-16-47	1	13784985	Black	Non-Fibrous Material with Brown Pebbles	None Detected
	2	13784985	Black	Mastic	None Detected
	3	13784985	Brown	Fibrous Material	None Detected
1710-16-48	1	13784986	Black	Non-Fibrous Material with Brown Pebbles	None Detected
	2	13784986	Black	Mastic	None Detected
	3	13784986	Brown	Fibrous Material	None Detected
1710-17-49	1	13784987	Black	Roofing Shingle with Brown Pebbles	None Detected
	2	13784987	Brown	Roofing Tar Paper	None Detected
1710-17-50	1	13784988	Black	Roofing Shingle with Brown Pebbles	None Detected
	2	13784988	Brown	Roofing Tar Paper	None Detected
1710-17-51	1	13784989	Black	Roofing Shingle with Brown Pebbles	None Detected
	2	13784989	Brown	Roofing Tar Paper	None Detected
1710-18-52	1	13784990	White	Window Glazing	< 1% Chrysotile
1710-18-53	1	13784991	White	Window Glazing	< 1% Chrysotile
1710-18-54	1	13784992	White	Window Glazing	< 1% Chrysotile

Client: Terracon - New Orleans
 C/O: Adam McEvoy
 Re: ET217145B; H.013842- Parcel 3-1 -1710 S.
 Causeway Blvd

Date of Sampling: 03-11-2022
 Date of Receipt: 03-14-2022
 Date of Report: 03-16-2022

ASBESTOS PLM REPORT**Total Samples Submitted:** 54**Total Samples Analyzed:** 54**Total Samples with Layer Asbestos Content > 1%:** 13**Location: 1710-01-01, Vinyl Sheet Flooring Brown and Yellow**

Lab ID-Version‡: 13784939-1

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

Location: 1710-01-02, Vinyl Sheet Flooring Brown and Yellow

Lab ID-Version‡: 13784940-1

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

Location: 1710-01-03, Vinyl Sheet Flooring Brown and Yellow

Lab ID-Version‡: 13784941-1

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

Location: 1710-02-04, Black Paper Under Sheet Flooring

Lab ID-Version‡: 13784942-1

Sample Layers	Asbestos Content
Black Vapor Barrier	ND
Composite Non-Asbestos Content:	65% Cellulose
Sample Composite Homogeneity:	Good

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 C/O: Adam McEvoy
 Re: ET217145B; H.013842- Parcel 3-1 -1710 S.
 Causeway Blvd

Date of Sampling: 03-11-2022
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 Date of Report: 03-16-2022

ASBESTOS PLM REPORT**Location: 1710-02-05, Black Paper Under Sheet Flooring**

Lab ID-Version‡: 13784943-1

Sample Layers	Asbestos Content
Black Vapor Barrier	ND
Composite Non-Asbestos Content:	65% Cellulose
Sample Composite Homogeneity:	Good

Location: 1710-02-06, Black Paper Under Sheet Flooring

Lab ID-Version‡: 13784944-1

Sample Layers	Asbestos Content
Black Vapor Barrier	ND
Composite Non-Asbestos Content:	65% Cellulose
Sample Composite Homogeneity:	Good

Location: 1710-03-07, Black Mastic Under Black Paper Floor Layer

Lab ID-Version‡: 13784945-1

Sample Layers	Asbestos Content
Black Mastic with Tan Wood	ND
Composite Non-Asbestos Content:	35% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 1710-03-08, Black Mastic Under Black Paper Floor Layer

Lab ID-Version‡: 13784946-1

Sample Layers	Asbestos Content
Black Mastic with Tan Wood	ND
Composite Non-Asbestos Content:	35% Cellulose
Sample Composite Homogeneity:	Moderate

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 Causeway Blvd

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 Date of Report: 03-16-2022

ASBESTOS PLM REPORT**Location: 1710-03-09, Black Mastic Under Black Paper Floor Layer**

Lab ID-Version‡: 13784947-1

Sample Layers	Asbestos Content
Black Mastic with Tan Wood	ND
Composite Non-Asbestos Content:	35% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 1710-04-10, Wood Ceiling Sheeting

Lab ID-Version‡: 13784948-1

Sample Layers	Asbestos Content
Tan Ceiling Tile with Pink Paint	ND
Composite Non-Asbestos Content:	80% Cellulose
Sample Composite Homogeneity:	Good

Location: 1710-04-11, Wood Ceiling Sheeting

Lab ID-Version‡: 13784949-1

Sample Layers	Asbestos Content
Tan Ceiling Tile with Pink Paint	ND
Beige Ceiling Texture with Pink Paint	2% Chrysotile
Composite Non-Asbestos Content:	75% Cellulose
Sample Composite Homogeneity:	Poor

Location: 1710-04-12, Wood Ceiling Sheeting

Lab ID-Version‡: 13784950-1

Sample Layers	Asbestos Content
Tan Ceiling Tile with Pink Paint	ND
Composite Non-Asbestos Content:	80% Cellulose
Sample Composite Homogeneity:	Good

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 Date of Report: 03-16-2022

ASBESTOS PLM REPORT**Location: 1710-05-13, Yellow Vinyl Sheet Flooring**

Lab ID-Version‡: 13784951-1

Sample Layers	Asbestos Content
Yellow Sheet Flooring	ND
Composite Non-Asbestos Content:	5% Glass Fibers
Sample Composite Homogeneity:	Good

Location: 1710-05-14, Yellow Vinyl Sheet Flooring

Lab ID-Version‡: 13784952-1

Sample Layers	Asbestos Content
Yellow Sheet Flooring	ND
Composite Non-Asbestos Content:	5% Glass Fibers
Sample Composite Homogeneity:	Good

Location: 1710-05-15, Yellow Vinyl Sheet Flooring

Lab ID-Version‡: 13784953-1

Sample Layers	Asbestos Content
Yellow Sheet Flooring	ND
Composite Non-Asbestos Content:	5% Glass Fibers
Sample Composite Homogeneity:	Good

Location: 1710-06-16, Green Patterned Vinyl Sheet Flooring

Lab ID-Version‡: 13784954-1

Sample Layers	Asbestos Content
Green Flooring	ND
Green Flooring	ND
Composite Non-Asbestos Content:	20% Cellulose
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT**Location: 1710-06-17, Green Patterned Vinyl Sheet Flooring**

Lab ID-Version‡: 13784955-1

Sample Layers	Asbestos Content
Green Flooring	ND
Green Flooring	ND
Composite Non-Asbestos Content:	20% Cellulose
Sample Composite Homogeneity:	Good

Location: 1710-06-18, Green Patterned Vinyl Sheet Flooring

Lab ID-Version‡: 13784956-1

Sample Layers	Asbestos Content
Green Flooring	ND
Green Flooring	ND
Composite Non-Asbestos Content:	20% Cellulose
Sample Composite Homogeneity:	Good

Location: 1710-07-19, Brown and Yellow Vinyl Sheet Flooring

Lab ID-Version‡: 13784957-1

Sample Layers	Asbestos Content
Brown Flooring	ND
Composite Non-Asbestos Content:	25% Cellulose
Sample Composite Homogeneity:	Good

Location: 1710-07-20, Brown and Yellow Vinyl Sheet Flooring

Lab ID-Version‡: 13784958-1

Sample Layers	Asbestos Content
Brown Flooring	ND
Composite Non-Asbestos Content:	25% Cellulose
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT**Location: 1710-07-21, Brown and Yellow Vinyl Sheet Flooring**

Lab ID-Version‡: 13784959-1

Sample Layers	Asbestos Content
Brown Flooring	ND
Composite Non-Asbestos Content:	25% Cellulose
Sample Composite Homogeneity:	Good

Location: 1710-08-22, Vinyl Sheet Flooring - Brown

Lab ID-Version‡: 13784960-1

Sample Layers	Asbestos Content
Brown Sheet Flooring with Fibrous Backing	15% Chrysotile
Composite Non-Asbestos Content:	2% Cellulose
Sample Composite Homogeneity:	Good

Location: 1710-08-23, Vinyl Sheet Flooring - Brown

Lab ID-Version‡: 13784961-1

Sample Layers	Asbestos Content
Brown Sheet Flooring with Fibrous Backing	15% Chrysotile
Composite Non-Asbestos Content:	2% Cellulose
Sample Composite Homogeneity:	Good

Location: 1710-08-24, Vinyl Sheet Flooring - Brown

Lab ID-Version‡: 13784962-1

Sample Layers	Asbestos Content
Brown Sheet Flooring with Fibrous Backing	15% Chrysotile
Composite Non-Asbestos Content:	2% Cellulose
Sample Composite Homogeneity:	Good

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 Date of Report: 03-16-2022

ASBESTOS PLM REPORT**Location: 1710-09-25, Vinyl Sheet Flooring - White**

Lab ID-Version‡: 13784963-1

Sample Layers	Asbestos Content
White Floor Tile	4% Chrysotile
Black Mastic	ND
Sample Composite Homogeneity:	Moderate

Location: 1710-09-26, Vinyl Sheet Flooring - White

Lab ID-Version‡: 13784964-1

Sample Layers	Asbestos Content
White Floor Tile	2% Chrysotile
Black Mastic	ND
Sample Composite Homogeneity:	Moderate

Location: 1710-09-27, Vinyl Sheet Flooring - White

Lab ID-Version‡: 13784965-1

Sample Layers	Asbestos Content
White Floor Tile	4% Chrysotile
Black Mastic	ND
Sample Composite Homogeneity:	Moderate

Location: 1710-10-28, Vinyl Sheet Flooring - Brown/White Pattern

Lab ID-Version‡: 13784966-1

Sample Layers	Asbestos Content
Brown/White Sheet Flooring with Fibrous Backing	ND
Composite Non-Asbestos Content:	12% Cellulose 3% Glass Fibers
Sample Composite Homogeneity:	Good

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 Causeway Blvd

Date of Sampling: 03-11-2022
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 Date of Report: 03-16-2022

ASBESTOS PLM REPORT**Location: 1710-10-29, Vinyl Sheet Flooring - Brown/White Pattern**

Lab ID-Version‡: 13784967-1

Sample Layers	Asbestos Content
Brown/White Sheet Flooring with Fibrous Backing	ND
Composite Non-Asbestos Content:	12% Cellulose 3% Glass Fibers
Sample Composite Homogeneity:	Good

Location: 1710-10-30, Vinyl Sheet Flooring - Brown/White Pattern

Lab ID-Version‡: 13784968-1

Sample Layers	Asbestos Content
Brown/White Sheet Flooring with Fibrous Backing	ND
Composite Non-Asbestos Content:	12% Cellulose 3% Glass Fibers
Sample Composite Homogeneity:	Good

Location: 1710-11-31, White - Vinyl Wall Sheeting and Adhesive, Black

Lab ID-Version‡: 13784969-1

Sample Layers	Asbestos Content
Off-White Semi-Fibrous Material (Wall Sheeting)	ND
Green Adhesive	ND
Brown Mastic with Brown Paper	ND
Composite Non-Asbestos Content:	30% Cellulose
Sample Composite Homogeneity:	Poor

Location: 1710-11-32, White - Vinyl Wall Sheeting and Adhesive, Black

Lab ID-Version‡: 13784970-1

Sample Layers	Asbestos Content
Off-White Semi-Fibrous Material (Wall Sheeting)	ND
Green Adhesive	ND
Brown Mastic with Brown Paper	ND
Composite Non-Asbestos Content:	30% Cellulose
Sample Composite Homogeneity:	Poor

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 Causeway Blvd

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 Date of Report: 03-16-2022

ASBESTOS PLM REPORT**Location: 1710-11-33, White - Vinyl Wall Sheeting and Adhesive, Black**

Lab ID-Version‡: 13784971-1

Sample Layers	Asbestos Content
Off-White Semi-Fibrous Material (Wall Sheeting)	ND
Green Adhesive	ND
Brown Mastic with Brown Paper	ND
Composite Non-Asbestos Content:	30% Cellulose
Sample Composite Homogeneity:	Poor

Location: 1710-12-34, Beige Patterned - Vinyl Wall Sheeting and Adhesive, Black

Lab ID-Version‡: 13784972-1

Sample Layers	Asbestos Content
Beige Tile	5% Chrysotile
Brown Adhesive	ND
Green Adhesive	ND
Brown Mastic with Brown Paper	ND
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Poor

Location: 1710-12-35, Beige Patterned - Vinyl Wall Sheeting and Adhesive, Black

Lab ID-Version‡: 13784973-1

Sample Layers	Asbestos Content
Beige Tile	5% Chrysotile
Brown Adhesive	ND
Green Adhesive	ND
Brown Mastic with Brown Paper	ND
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Poor

Location: 1710-12-36, Beige Patterned - Vinyl Wall Sheeting and Adhesive, Black

Lab ID-Version‡: 13784974-1

Sample Layers	Asbestos Content
Beige Tile	5% Chrysotile
Brown Adhesive	ND
Green Adhesive	ND
Brown Mastic with Brown Paper	ND
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Poor

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 Causeway Blvd

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 Date of Report: 03-16-2022

ASBESTOS PLM REPORT

**Location: 1710-13-37, Gypsum Board and Joint Compound and Drywall Paper Strip
 White**

Lab ID-Version‡: 13784975-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper	ND
White Joint Compound	2% Chrysotile
Cream Tape	ND
White Texture	2% Chrysotile
Brown Mastic	ND
Composite Non-Asbestos Content:	20% Cellulose
Sample Composite Homogeneity:	Poor

**Location: 1710-13-38, Gypsum Board and Joint Compound and Drywall Paper Strip
 White**

Lab ID-Version‡: 13784976-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper	ND
White Joint Compound	2% Chrysotile
Cream Tape	ND
White Texture	2% Chrysotile
Brown Mastic	ND
Green Adhesive	ND
Black Semi-Fibrous Material	ND
Composite Non-Asbestos Content:	20% Cellulose
Sample Composite Homogeneity:	Poor

**Location: 1710-13-39, Gypsum Board and Joint Compound and Drywall Paper Strip
 White**

Lab ID-Version‡: 13784977-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper	ND
White Joint Compound	2% Chrysotile
Cream Tape	ND
White Texture	2% Chrysotile
Brown Mastic	ND
Green Adhesive	ND
Black Semi-Fibrous Material	ND
Composite Non-Asbestos Content:	20% Cellulose
Sample Composite Homogeneity:	Poor

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Client: Terracon - New Orleans
C/O: Adam McEvoy
Re: ET217145B; H.013842- Parcel 3-1 -1710 S.
Causeway Blvd

Date of Sampling: 03-11-2022
Date of Receipt: 03-14-2022
Date of Report: 03-16-2022

ASBESTOS PLM REPORT

Location: 1710-14-40, Green Water Barrier Behind Gypsum Board

Lab ID-Version‡: 13784978-1

Sample Layers	Asbestos Content
Brown Fibrous Material	ND
Green Compound with Green Paint	ND
Composite Non-Asbestos Content:	75% Cellulose
Sample Composite Homogeneity:	Moderate

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 C/O: Adam McEvoy
 Re: ET217145B; H.013842- Parcel 3-1 -1710 S.
 Causeway Blvd

Date of Sampling: 03-11-2022
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 Date of Report: 03-16-2022

ASBESTOS PLM REPORT**Location: 1710-14-41, Green Water Barrier Behind Gypsum Board**

Lab ID-Version‡: 13784979-1

Sample Layers	Asbestos Content
Brown Fibrous Material	ND
Green Compound with Green Paint	ND
Composite Non-Asbestos Content:	75% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 1710-14-42, Green Water Barrier Behind Gypsum Board

Lab ID-Version‡: 13784980-1

Sample Layers	Asbestos Content
Brown Fibrous Material	ND
Green Compound with Green Paint	ND
Composite Non-Asbestos Content:	75% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 1710-15-43, Gypsum Ceiling, Spackle Texture - White

Lab ID-Version‡: 13784981-1

Sample Layers	Asbestos Content
Light Gray Drywall with Brown Paper	ND
White Ceiling Texture with White Paint	ND
Composite Non-Asbestos Content:	25% Cellulose 1% Glass Fibers
Sample Composite Homogeneity:	Poor

Location: 1710-15-44, Gypsum Ceiling, Spackle Texture - White

Lab ID-Version‡: 13784982-1

Sample Layers	Asbestos Content
Light Gray Drywall with Brown Paper	ND
White Ceiling Texture with White Paint	ND
Composite Non-Asbestos Content:	25% Cellulose 1% Glass Fibers
Sample Composite Homogeneity:	Poor

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 3-1 -1710 S.
 Causeway Blvd

Date of Sampling: 03-11-2022
 Date of Receipt: 03-14-2022
 Date of Report: 03-16-2022

ASBESTOS PLM REPORT**Location: 1710-15-45, Gypsum Ceiling, Spackle Texture - White**

Lab ID-Version‡: 13784983-1

Sample Layers	Asbestos Content
Light Gray Drywall with Brown Paper	ND
White Ceiling Texture with White Paint	ND
Composite Non-Asbestos Content:	25% Cellulose 1% Glass Fibers
Sample Composite Homogeneity:	Poor

Location: 1710-16-46, Exterior Siding - Brown

Lab ID-Version‡: 13784984-1

Sample Layers	Asbestos Content
Black Non-Fibrous Material with Brown Pebbles	ND
Black Mastic	ND
Brown Fibrous Material	ND
Composite Non-Asbestos Content:	50% Cellulose
Sample Composite Homogeneity:	Poor

Location: 1710-16-47, Exterior Siding - Brown

Lab ID-Version‡: 13784985-1

Sample Layers	Asbestos Content
Black Non-Fibrous Material with Brown Pebbles	ND
Black Mastic	ND
Brown Fibrous Material	ND
Composite Non-Asbestos Content:	50% Cellulose
Sample Composite Homogeneity:	Poor

Location: 1710-16-48, Exterior Siding - Brown

Lab ID-Version‡: 13784986-1

Sample Layers	Asbestos Content
Black Non-Fibrous Material with Brown Pebbles	ND
Black Mastic	ND
Brown Fibrous Material	ND
Composite Non-Asbestos Content:	50% Cellulose
Sample Composite Homogeneity:	Poor

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 3-1 -1710 S.
 Causeway Blvd

Date of Sampling: 03-11-2022
 Date of Receipt: 03-14-2022
 Date of Report: 03-16-2022

ASBESTOS PLM REPORT**Location: 1710-17-49, Roof Shingles and Paper Underneath**

Lab ID-Version‡: 13784987-1

Sample Layers	Asbestos Content
Black Roofing Shingle with Brown Pebbles	ND
Brown Roofing Tar Paper	ND
Composite Non-Asbestos Content:	20% Cellulose 3% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 1710-17-50, Roof Shingles and Paper Underneath

Lab ID-Version‡: 13784988-1

Sample Layers	Asbestos Content
Black Roofing Shingle with Brown Pebbles	ND
Brown Roofing Tar Paper	ND
Composite Non-Asbestos Content:	20% Cellulose 3% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 1710-17-51, Roof Shingles and Paper Underneath

Lab ID-Version‡: 13784989-1

Sample Layers	Asbestos Content
Black Roofing Shingle with Brown Pebbles	ND
Brown Roofing Tar Paper	ND
Composite Non-Asbestos Content:	20% Cellulose 3% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 1710-18-52, White Window Caulking

Lab ID-Version‡: 13784990-1

Sample Layers	Asbestos Content
White Window Glazing	< 1% Chrysotile
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 3-1 -1710 S.
Causeway Blvd

Date of Sampling: 03-11-2022
Date of Receipt: 03-14-2022
Date of Report: 03-16-2022

ASBESTOS PLM REPORT

Location: 1710-18-53, White Window Caulking

Lab ID-Version‡: 13784991-1

Sample Layers	Asbestos Content
White Window Glazing	< 1% Chrysotile
Sample Composite Homogeneity: Good	

Location: 1710-18-54, White Window Caulking

Lab ID-Version‡: 13784992-1

Sample Layers	Asbestos Content
White Window Glazing	< 1% Chrysotile
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".

Report for:

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

Regarding: Project: ET217145B; H.013842- Parcel 3-1 -1710 S. Causeway Blvd
EML ID: 2873813

Approved by:

Dates of Analysis:
Asbestos PLM: 03-14-2022 to 03-16-2022



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.

Sample Number	Sample Location	HA Description (Color, Dimensions, Descriptor, then Type)	HA General Location	Estimated Quantity	Condition*	
1710-01-01	✓	Vinyl sheet Flooring Brown & yellow	Living Room	SF ²	G D SD	
1710-01-02				160		
1710-01-03						
1710-02-04	✓	Black paper under sheet flooring	"	"	G D SD	
1710-02-05						"
1710-02-06						"
1710-03-07	✓	Black Mastic under Black paper floor layer	"	"	G D SD	
1710-03-08						"
1710-03-09						"
1710-04-10	✓	Wood ceiling sheathing	"	SF ²	G D SD	
1710-04-11				< 10		
1710-04-12						
1710-05-13	Bed 1	Yellow Vinyl sheet Flooring	Room Bed 1 & 2 room	305	G D SD	
1710-05-14	Bed 2					
1710-05-15	Bed 2					
1710-06-16	✓	Green patterned Vinyl sheet Flooring	Bed room 1	150	G D SD	
1710-06-17						
1710-06-18						
1710-07-19	✓	Brown & yellow Vinyl sheet Flooring	Bed room 2	150	G D SD	
1710-07-20						
1710-07-21						

New Orleans: 524 Elmwood Park Blvd., Ste. 170, New Orleans, LA 70123 (504) 818 3638

Sample Number	Sample Location	HA Description (Color, Dimensions, Descriptor, then Type)	HA General Location	Estimated Quantity	Condition*
1710 1710-08-22		Vinyl sheet Flooring - Brown	utility	SF 2 4000 40	G D SD
1710-08-23					
1710-08-24					
1710-09-25		" - white	"	85	G D SD
1710-09-26					
1710-09-27					
1710-10-28		" - Brown/ - white pattern	"	40	G D SD
1710-10-29					
1710-10-30					
1710-11-31		white - Vinyl wall sheeting + Adhesive, Black	BATH Room	20	G D SD
1710-11-32					
1710-11-33					
1710-12-34		beige patterned - Vinyl wall sheeting + Adhesive, Black	"	< 10	G D SD
1710-12-35					
1710-12-36					
1710-13-37	BR	Gypsum board + Joint compound + Drywall paper strip white -	"	80	G D SD
1710-13-38	Kitchen				
1710-13-39	"				
1710-14-40		(green) Water barrier behind gypsum board	"	80	G D SD
1710-14-41					
1710-14-42					



002873813

Lab Use Only:

Select a Laboratory:

Location:

Page 4 of

New Orleans: 524 Elmwood Park Blvd., Ste. 170, New Orleans, LA 70123 (504) 818 3638

Sample Number	Sample Location	HA Description (Color, Dimensions, Descriptor, then Type)	HA General Location	Estimated Quantity	Condition ¹	
1710-15-43		Gypsum Ceiling, Spackle texture - white	Kitchen/ Dining	5F ²		
1710-15-44				200	G (D) SD	
1710-15-45						
1710-16-46		Exterior siding - Brown	EXT	6000		
1710-16-47						G (D) SD
1710-16-48						
1710-17-49		roof shingles + paper underneath	ROOF	1000		
1710-17-50						G (D) SD
1710-17-51						
1710-18-52		White window caulking	EXT Windows	< 5		
1710-18-53						G (D) SD
1710-18-54						
					G (D) SD	
					G (D) SD	
					G (D) SD	

APPENDIX C
PHOTOGRAPH LOG



Photograph No. 1

HA-01: Brown and Yellow Vinyl Sheet Flooring
& HA-02: Black Paper Vapor Barrier under HA-01



Photograph No. 2

HA-03: Black Mastic under HA-01



Photograph No. 3

HA-04: White Wood Ceiling Panel with Ceiling Texture



Photograph No. 4

HA-05: Yellow Vinyl Sheet Flooring



Photograph No. 5
HA-06: Green Pattern Vinyl Sheet Flooring



Photograph No. 6
HA-07: Yellow and Brown Pattern Vinyl Sheet Flooring



Photograph No. 7
HA-08: Brown Vinyl Sheet Flooring with Fibrous Backing
& HA-09: White Vinyl Sheet Flooring with Black Mastic



Photograph No. 8
HA-10: Brown/White Pattern Vinyl Sheet Flooring



Photograph No. 9
HA-11: White Vinyl Wall Sheeting with Black Adhesive



Photograph No. 10
HA-12: Beige Pattern Wall Sheeting with Black Adhesive



Photograph No. 11
HA-13: White Wallboard with Joint Compound and Tape



Photograph No. 12
HA-14: Green Water Barrier Behind Wallboard



Photograph No. 13
HA-15: White Wallboard Ceiling with Spackle Texture



Photograph No. 14
HA-16: Brown Exterior Siding

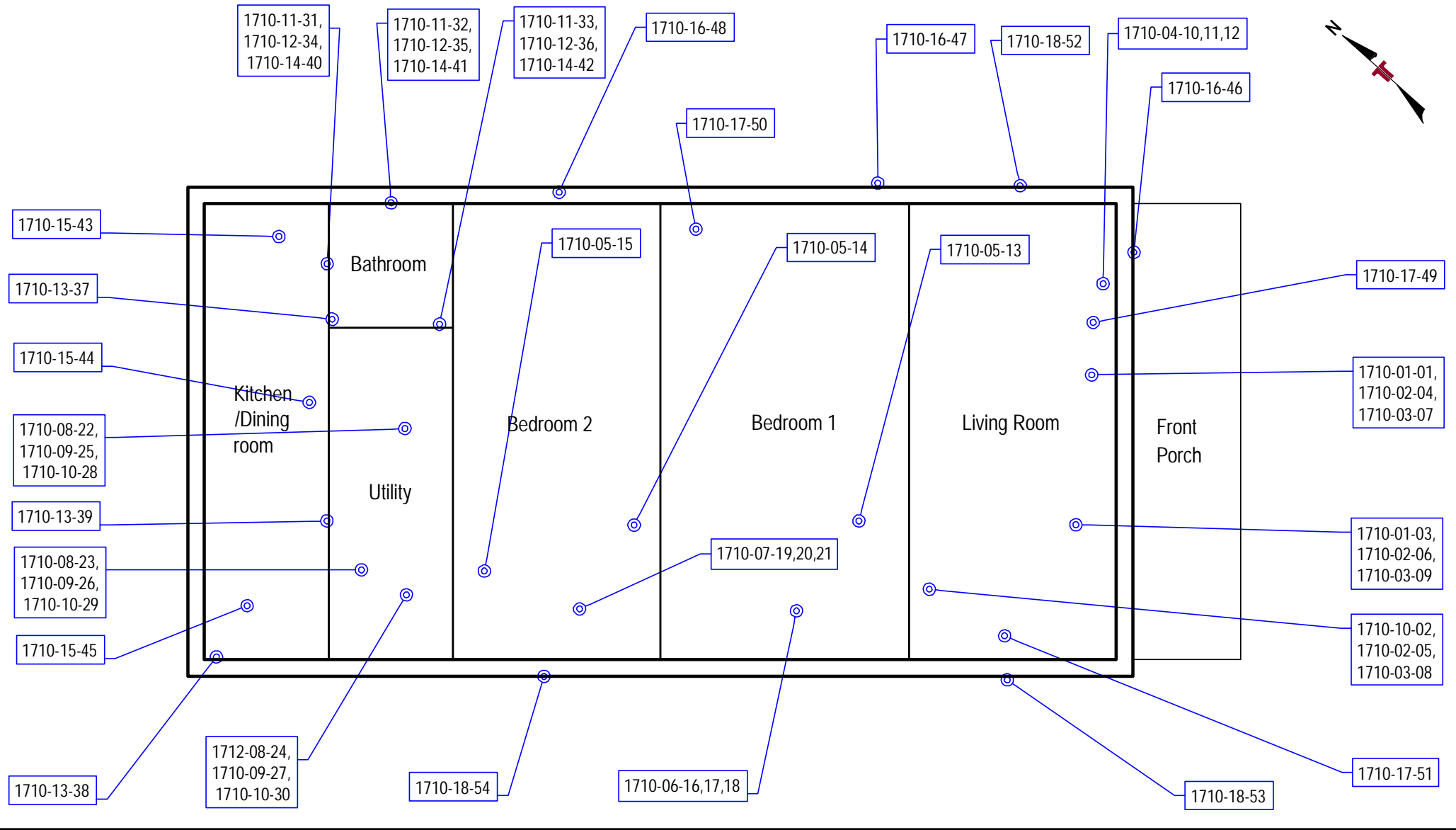


Photograph No. 15
HA-17: Red Roof Shingles with Black Tar Paper



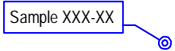
Photograph No. 16
HA-18: White Window Caulking

APPENDIX D
EXHIBITS



LEGEND

Sample Location and ID



Terracon

Consulting Engineers and Scientists

524 ELMWOOD PARK BOULEVARD #170

NEW ORLEANS, LA 70123

SCALE: NOT TO SCALE

PROJECT NO: ET217145B

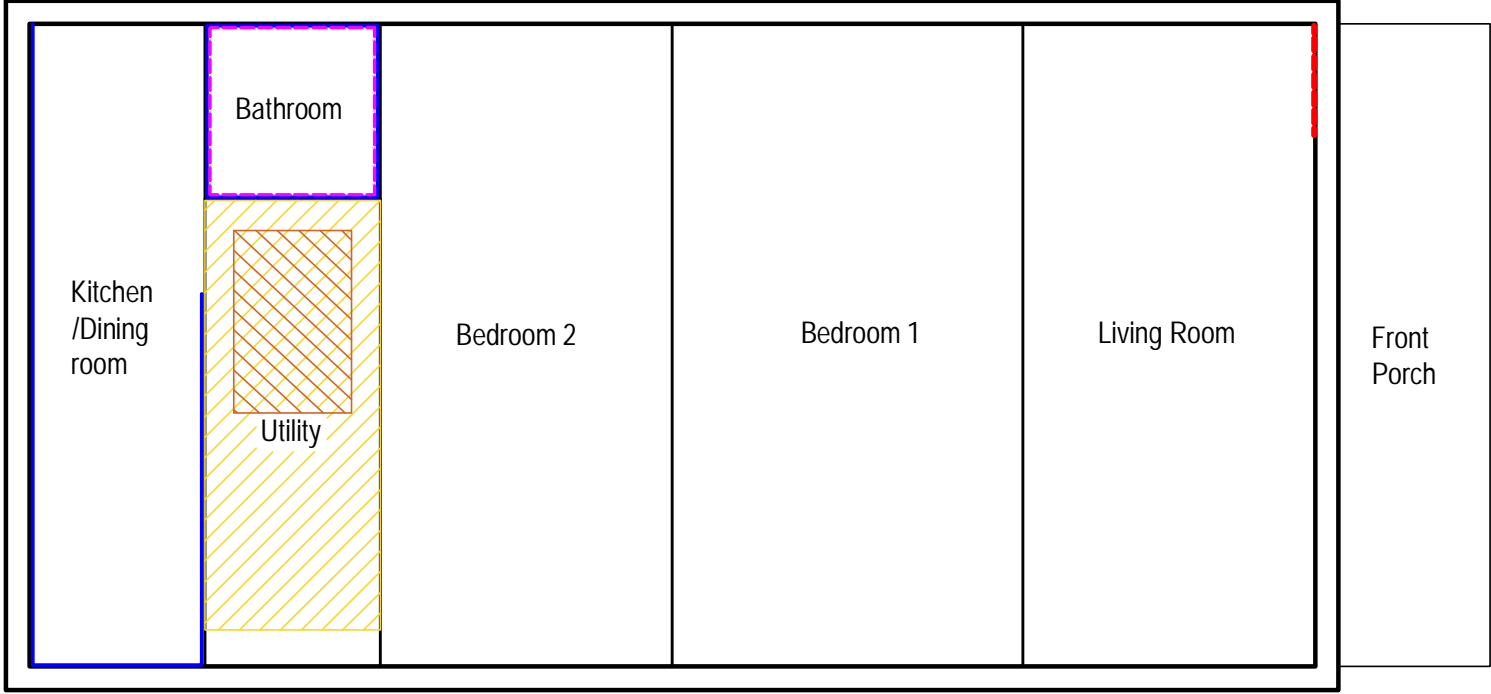
DATE: March 2022

Bulk Sample Locations






1710 Causeway Blvd.
Metairie, LA 70001


EXHIBIT

1.0



LEGEND

-  HA-04: CEILING TEXTURE ASSOCIATED WITH WHITE WOOD CEILING PANEL
-  HA-12: BEIGE PATTERN WALL SHEETING
-  HA-08: BROWN VINYL SHEET FLOORING WITH FIBROUS BACKING
-  HA-13: WHITE WALLBOARD WITH JOINT COMPOUND
-  HA-09: WHITE VINYL SHEET FLOORING

 Consulting Engineers and Scientists <small>524 ELMWOOD PARK BOULEVARD #170 NEW ORLEANS, LA 70123</small>	SCALE: NOT TO SCALE	Asbestos-Containing Materials Locations 1710 Causeway Blvd. Metairie, LA 70001	EXHIBIT
	PROJECT NO: ET217145B		2.0
	DATE: March 2022		

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



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.

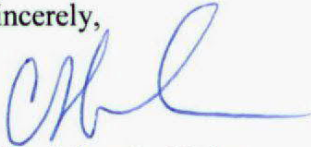
We request that you examine the scope of accreditation attachment for accuracy and completeness. If you find that an analyte for which you expected to be accredited is not listed, please examine your records to ensure that:

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 Brittmoores 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.

A handwritten signature in blue ink, appearing to read "Cheryl".

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 Communique 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