

Asbestos Inspection Report

Residential Structure

9632 Lockhart Road

Denham Springs, Louisiana

April 28, 2023

Terracon Project No.EH237063



Prepared for:

Louisiana Department of Transportation and
Development
Baton Rouge, Louisiana

2822 O'Neal Lane
Baton Rouge, Louisiana 70816
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Nationwide
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April 28, 2023

Louisiana Department of Transportation and Development
Room S-337
1201 Capitol Access Road
Baton Rouge, Louisiana 70802

Attn: Ms. Radha Kumar

RE: Asbestos Inspection Report
Residential Structure
9632 Lockhart Road
Denham Springs, Louisiana
Terracon Project No. EH237063

Dear Ms. Kumar:

This report presents the results of the asbestos inspection of the residential property, located at 9632 Lockhart Road in Denham Springs, Louisiana. The scope of the services provided is described in the Right of Way Consultant Task Order number 8 for LA 1026: Roundabout at Eden Church Road, State Project number H.012348, Asbestos Surveying & Testing Services effective March 28, 2022.

Asbestos-containing materials were identified as part of these services.

We appreciate the opportunity to be of service to you on this project. If there are any questions regarding this report or if we may be of further assistance, please do not hesitate to contact us.

Sincerely,
Terracon Consultants, Inc.

A handwritten signature in black ink, appearing to read "Jeremiah Garms".

Jeremiah Garms
Senior Staff Industrial Hygienist

A handwritten signature in black ink, appearing to read "Zack L. Dial".

Zack L. Dial, P.E.
Office Manager

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1.0 INTRODUCTION

Department of Transportation and Development retained Terracon Consultants, Inc. (Terracon) to conduct an asbestos inspection of the structure, located at 9632 Lockhart Road in Denham Springs, Louisiana.

Terracon’s representative, Jeremiah Garms, a Louisiana Department Environmental Quality (LDEQ) accredited asbestos inspector (accreditation number OI140570) conducted the asbestos inspection on April 19, 2023.

2.0 PROJECT OBJECTIVES

We understand this asbestos inspection was requested due to the planned demolition of the designated structure. The objective of this inspection was to identify the presence, quantity, and location of asbestos-containing materials (ACM) as required by the United States Environmental Protection Agency (USEPA) regulation 40 CFR 61, Subpart M, National Emission Standards for Hazardous Air Pollutants (NESHAP) and the Louisiana Environmental Regulatory Code (ERC) Title 33, Part III, Section 5151 (Chapter 51). NESHAP and Chapter 51 both prohibit the release of asbestos fibers to the atmosphere during renovation or demolition activities and require that potentially regulated asbestos-containing building materials be identified, classified and quantified prior to planned disturbances or demolition/renovation activities.

Building Description

BUILDING INFORMATION	
Address	9632 Lockhart Road, Baton Rouge, Louisiana
Building Square Footage (Approx.)	2,348 ft ²
Roof Type	Pitched roof with shingles and felt paper
Number of Floors	1
PROJECT AREA OR BUILDING CONSTRUCTION	
Flooring Substrate	Concrete slab
Flooring Finishes	Ceramic floor tiles with grout, wood floor tiles, sheet flooring, and concrete
Interior Wall Finishes	Wallboard system drywall and Wainscot
Ceiling Finishes	Wallboard system drywall

2.1 Site Limitations and Inaccessible Areas

The interior and exterior building components were surveyed, and homogeneous areas of suspect ACM were visually identified and documented. Although reasonable effort was made to survey accessible suspect materials, additional suspect but un-sampled materials could be located in walls, in voids, or in other concealed areas. Should additional un-sampled suspect materials be identified in these areas, the materials should be assumed to contain asbestos until sampling and analysis can be performed.

2.2 Standard of Care

This scope of work 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 the Client 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.

3.0 ASBESTOS INSPECTION

3.1 Field Activities

The asbestos inspection was conducted by Mr. Jeremiah Garms, a LDEQ accredited asbestos inspector. A copy of the inspector's accreditation certificate is included in Appendix E. The inspection was performed 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.

3.1.1 Visual Assessment

Our inspection activities began with visual observation of the interior and exterior of the building proposed for renovation 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. The interior assessment was conducted throughout visually accessible areas of the building. Building materials identified as glass, wood, metal, or rubber were not considered suspect ACM.

Terracon lifted floor coverings and inspected above the ceiling in several areas of the structures and to observe areas of additional suspect materials; however, as Terracon could not assess all void spaces within walls and ceilings or beneath all floor coverings, there may be isolated areas of additional suspect material may be present in the structure. Select photographs of representative homogenous material pictures are included in Appendix B.

3.1.2 Physical Assessment

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

3.1.3 Sample Collection

Based on results of the visual observation, bulk samples of suspect ACM were collected in general accordance with the sampling protocols outlined in 40 CFR Part 763, Subpart E (AHERA). 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.

The selection of sample locations and frequency of sampling were based on Terracon's observations and the assumption that like materials in the same area are homogeneous in content. The materials and sample locations are included in Appendix D.

3.2 Sample Analysis

Bulk samples were submitted under chain of custody to EMSL Analytical, Inc. of Baton Rouge, Louisiana (NVLAP Accreditation No 200375-0; LELAP Accreditation No 01950) for analysis by polarized light microscopy with dispersion staining techniques per EPA methodology (40 CFR 763, Subpart E). The laboratory analytical report is included in Appendix C.

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.

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 in excess of the established 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%.

5.0 FINDINGS

5.1 Category I Non-Friable Materials

Laboratory analysis confirmed the following asbestos-containing Category I non-friable materials:

- HA-04: Black floor tile and associated mastic (under HA-03, tile size undetermined)

According to LDEQ and USEPA NESHAP regulations, asbestos-containing resilient floor coverings that are removed by using dry ice, heat, wet methods, and chemicals where the tiles or sheeting are removed intact (with only minor tears or minor breakage) are not considered regulated asbestos-containing materials (RACM). Additionally, asbestos containing mastic used to attach resilient flooring to the floor surface that are removed by chemical or other means that results in the asbestos fibers in Asbestos-Containing Waste Material (ACWM) being bound within a macro substrate and cannot reasonably become airborne unless further forces are applied are also not considered RACM. However, asbestos containing resilient sheet flooring and associated mastic that is scraped, sanded, abraded, bead blasted, cut, ground, crumbled, pulverized, or reduced to a powder by any means, including hand and mechanical equipment is considered a RACM.

5.2 Category II Non-Friable Materials

Laboratory analysis confirmed the following asbestos-containing Category II non-friable materials:

- HA-07: Wallboard texture
- HA-08: Wallboard system and texture (Texture is positive only, could not separate)
- HA-14: Exterior white window caulk

According to LDEQ and USEPA NESHAP regulations, Category II nonfriable ACM is any material, excluding Category I nonfriable ACM, that when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure. Category II nonfriable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material during demolition operations are considered RACM and are required to be abated prior to disturbance or demolition.

5.3 Regulated Asbestos Containing Materials

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

- HA-03: Pebble pattern sheet flooring
- HA-06: White popcorn ceiling

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

6.0 RECOMMENDATIONS

The results of this inspection indicated the presence of Category I Non-friable, Category II Non-friable ACM, and RACM. Based on the quantity and location of these materials, the identified ACM will be impacted by demolition activities and made into RACM in quantities in excess of the established regulatory thresholds.

Therefore, Terracon recommends these materials should be removed and disposed by a Louisiana-licensed asbestos abatement contractor prior disturbance. This would require that all sections of the AAC-2 (a) Form must be completed and submitted to LDEQ prior to renovation or demolition activities and Asbestos Disposal Verification Form(s) (ADVF) requested in accordance with the requirements of as indicated in LAC 33:III.5151 Subclause F.1.a. An ADVF is required for each load of RACM disposed. Upon proper notification, the LDEQ will issue the requested ADVF(s) 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.

Contractors performing renovation work should be advised of the locations of materials containing asbestos and their responsibilities with respect to protection of employee exposures to asbestos found in the OSHA Asbestos standard for construction (29 CFR 1926.1101).

Terracon recommends preparing abatement specifications as a guidance for ACM removal activities. 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 inspection may exist within the building. If additional but un-sampled suspect ACMs are revealed during renovation or demolition activities, the material(s) must be assumed to contain asbestos and treated as such unless sampled by an accredited inspector and laboratory analysis determines otherwise.

7.0 RELIANCE

This report is for the exclusive use by the Louisiana Department of Transportation and Development (Client) for the project being discussed. Reliance by any other party on this report is prohibited without written authorization of Terracon and the Client. Reliance on this report by the Client and all authorized parties will be subject to the terms, conditions, and limitations stated in the proposal, this report, and Terracon's Agreement for Services. The limitations of liability defined in Terracon's Agreement for Services are the aggregate limit of Terracon's liability to the Client.

Appendix A

Asbestos Sample Summary

**APPENDIX A
ASBESTOS SAMPLE SUMMARY
RESIDENTIAL STRUCTURE
9632 Lockhart Road
Denham Springs, Louisiana**



HA	Material Description	Material Location	Condition	Friable?	Sample Number	% and Type of Asbestos ¹	Classification ²	Estimated Quantity ³
01	Black roofing shingles	Roof	Good	No	RF3-01-01	ND	NA	NA
					RF3-01-02	ND		
					RF3-01-03	ND		
02	Grey exterior brick mortar	Exterior	Good	No	MA3-02-04	ND	NA	NA
					MA3-02-05	ND		
					MA3-02-06	ND		
03	Pebble pattern sheet flooring	Kitchen and Breakfast nook	Good	Yes	FC1-03-07	Sheet Flooring – 3% Chrysotile	RACM	800 SF
					FC1-03-08	Sheet Flooring – 2% Chrysotile		
					FC1-03-09	Sheet Flooring – 2% Chrysotile		
04	Black floor tile with associated mastic under HA-3	Kitchen and Breakfast nook	Good	No	FT5-04-10	Floor Tile – ND Mastic – 4% Chrysotile	CAT I	800 SF
					FT5-04-11	Floor Tile – ND Mastic – 4% Chrysotile		
					FT5-04-12	Floor Tile – ND Mastic – 4% Chrysotile		
05	Marbled square shaped floor covering with adhesive	Laundry room	Good	No	FC1-05-13	ND	NA	NA
					FC1-05-14	ND		
					FC1-05-15	ND		
06	White popcorn ceiling	Throughout	Good	Yes	WB5-06-16	Popcorn Ceiling – 5% Chrysotile	RACM	2,350 SF
					WB5-06-17	Popcorn Ceiling – 5% Chrysotile		
					WB5-06-18	Popcorn Ceiling – 5% Chrysotile		
					WB5-06-19	Popcorn Ceiling – 5% Chrysotile		
					WB5-06-20	Popcorn Ceiling – 5% Chrysotile		
					WB5-06-21	Popcorn Ceiling – 5% Chrysotile		
WB5-06-22	Popcorn Ceiling – 5% Chrysotile							
07	Wallboard texture only	Throughout (Except Kitchen and Breakfast nook)	Good	Yes	WB3-07-23	Texture – 6% Chrysotile	CAT II	2,200 SF
					WB3-07-24	Texture – 6% Chrysotile		
					WB3-07-25	Texture – 6% Chrysotile		
					WB3-07-26	Texture – 6% Chrysotile		
					WB3-07-27	Texture – 6% Chrysotile		
					WB3-07-28	Texture – 6% Chrysotile		
WB3-07-29	Texture – 6% Chrysotile							

¹ ND = None Detected; NA-PS = Not Analyzed, Positive Stop; PT CT = 400 Point Count Analysis Performed; C = Chrysotile; AM = Amosite

² Cat I NF = Category I Non-friable ACM; Cat II NF = Category II Non-friable ACM; RACM = Regulated ACM

³ SF = Square Feet; LF = Linear Feet; Quantities are approximate. Contractor must verify.

BOLDFACE = Homogeneous area is Confirmed ACM

**APPENDIX A
ASBESTOS SAMPLE SUMMARY
RESIDENTIAL STRUCTURE
9632 Lockhart Road
Denham Springs, Louisiana**



HA	Material Description	Material Location	Condition	Friable?	Sample Number	% and Type of Asbestos ⁴	Classification ⁵	Estimated Quantity ⁶
08	Wallboard system with texture (Could not separate)	Throughout (Except Kitchen and Breakfast nook)	Good	No	WB4-08-30	Texture – 6% Chrysotile Drywall - ND	CAT II	2,200 SF
					WB4-08-31	Texture – 6% Chrysotile Drywall - ND		
					WB4-08-32	Texture – 6% Chrysotile Drywall - ND		
09	Mastic associated with 3"x36" wood floor strips	Hallway	Good	No	MG5-09-33	ND	NA	NA
					MG5-09-34	ND		
					MG5-09-35	ND		
10	12"x12" Grey floor tile with associated mastic	Bathroom #2	Good	No	FT2-10-36	ND	NA	NA
					FT2-10-37	ND		
					FT2-10-38	ND		
11	Yellow sheet flooring with adhesive (Under HA-10)	Bathroom #2	Good	Yes	FC1-11-39	ND	NA	NA
					FC1-11-40	ND		
					FC1-11-41	ND		
12	12"x12" Beige ceramic shower tile with grout and thinset	Bathroom #2	Good	No	FT5-12-42	ND	NA	NA
					FT5-12-43	ND		
					FT5-12-44	ND		
13	12"x12" White and grey floor tile with associated mastic	Bathroom #3	Good	No	FT2-13-45	ND	NA	NA
					FT2-13-46	ND		
					FT2-13-47	ND		
14	White window and door caulk	Doors and windows	Good	No	CA1-14-48	Caulk – 5% Chrysotile	CAT II	225 LF
					CA1-14-49	Caulk – 5% Chrysotile		
					CA1-14-50	Caulk – 5% Chrysotile		
15	Black roofing shingles with felt paper	Shed roof	Good	No	RF8-15-51	ND	NA	NA
					RF8-15-52	ND		
					RF8-15-53	ND		

⁴ ND = None Detected; NA-PS = Not Analyzed, Positive Stop; PT CT = 400 Point Count Analysis Performed; C = Chrysotile; AM = Amosite

⁵ Cat I NF = Category I Non-friable ACM; Cat II NF = Category II Non-friable ACM; RACM = Regulated ACM

⁶ SF = Square Feet; LF = Linear Feet; Quantities are approximate. Contractor must verify.

BOLDFACE = Homogeneous area is Confirmed ACM

Appendix B

Photographs

Client

Department of Transportation and Development
1201 Capitol Access Road
Baton Rouge, Louisiana 70802

Project

Residential Structure
9632 Lockhart Road
Denham Springs, Louisiana

Project Number: EH237063



Photo #1: HA-1: Black roofing shingles (from House)



Photo #2: HA-2: Grey exterior brick mortar



Photo #3: HA-3: Pebbled pattern sheet flooring



Photo #4: HA-4: Black floor tile with associated mastic (Under HA-3)



Photo #5: HA-5: Marbled square shaped floor covering with adhesive



Photo #6: HA-6: White popcorn ceiling

Client

Department of Transportation and Development
1201 Capitol Access Road
Baton Rouge, Louisiana 70802

Project

Residential Structure
9632 Lockhart Road
Denham Springs, Louisiana

Project Number: EH237063



Photo #7: HA-7: Wallboard texture (only)



Photo #8: HA-8: Wallboard system with texture (could not separate texture)

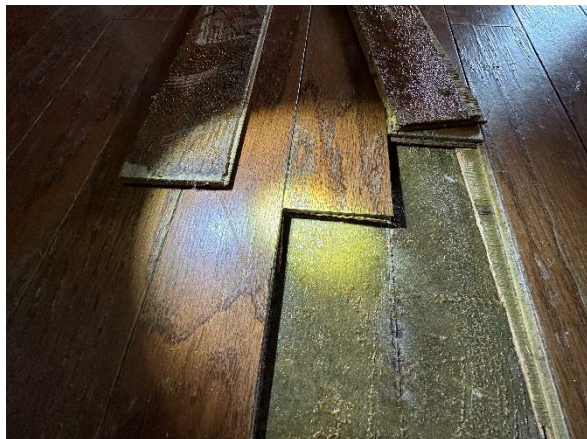


Photo #9: HA-9: Mastic associated with 3"x36" wood flooring

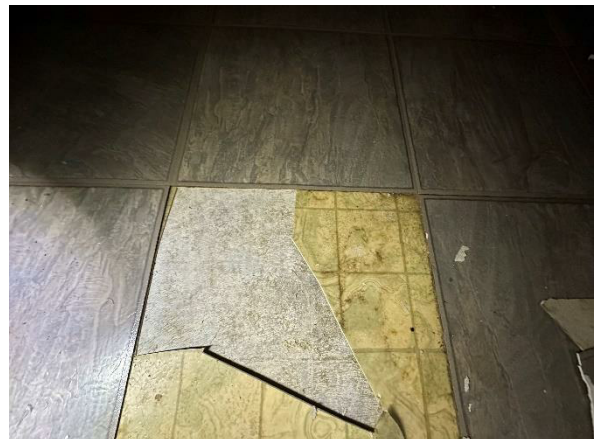


Photo #10: HA-10: 12"x12" Grey floor tile with associated mastic

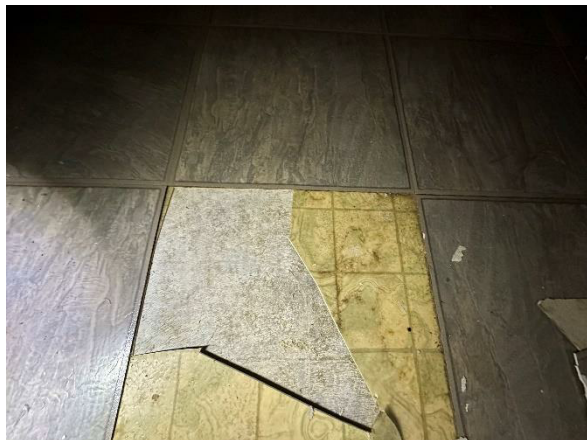


Photo #11: HA-11: Yellow sheet flooring with adhesive (Under HA-10)

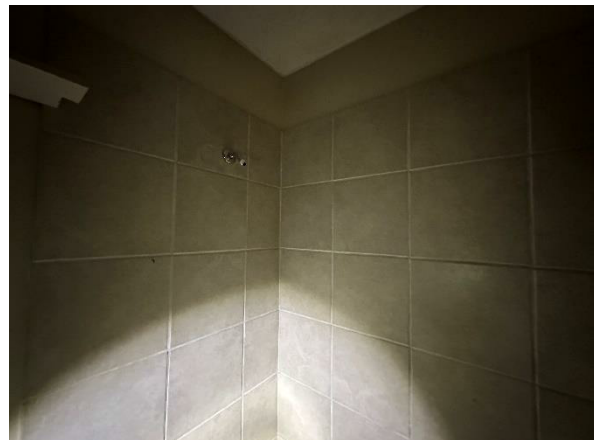


Photo #12: HA-12: 12"x12" Beige ceramic shower tile with grout and thinset

Client

Department of Transportation and Development
1201 Capitol Access Road
Baton Rouge, Louisiana 70802

Project

Residential Structure
9632 Lockhart Road
Denham Springs, Louisiana

Project Number: EH237063



Photo #13: HA-13: 12"x12" White and grey floor tile with associated mastic (used on countertop)



Photo #14: HA-14: White window caulk



Photo #15: HA-15: Black roofing shingles and felt paper associated with detached shed



Photo #16: View of shed



Photo #17: View of shed interior



Photo #18: View of shed roof from the interior

Appendix C

Asbestos Laboratory Analytical Results



EMSL Analytical, Inc.

18369 Petroleum Drive Baton Rouge, LA 70809
Tel/Fax: (225) 755-1920 / (225) 755-1989
<http://www.EMSL.com> / batonrougelab@emsl.com

EMSL Order: 252301908
Customer ID: AQTE62
Customer PO: EH237063
Project ID:

Attention: Jerry Garms
Terracon Consultants, Inc.
2822 - B O'Neal Lane
Baton Rouge, LA 70816

Phone: (225) 305-9095
Fax: (225) 344-6346
Received Date: 04/19/2023 12:37 PM
Analysis Date: 04/21/2023 - 04/24/2023
Collected Date: 04/19/2023

Project: DOTD-9632 Lockhart Road/EH237063

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
RF3-1-1 252301908-0001	Roof - Black Roofing Shingles	Black Non-Fibrous Homogeneous	HA: 1	100% Non-fibrous (Other)	None Detected
RF3-1-2 252301908-0002	Roof - Black Roofing Shingles	Black Non-Fibrous Homogeneous	HA: 1	100% Non-fibrous (Other)	None Detected
RF3-1-3 252301908-0003	Roof - Black Roofing Shingles	Black Non-Fibrous Homogeneous	HA: 1	100% Non-fibrous (Other)	None Detected
MA3-2-4 252301908-0004	Exterior - Grey Brick Mortar	Gray Non-Fibrous Homogeneous	HA: 2	100% Non-fibrous (Other)	None Detected
MA3-2-5 252301908-0005	Exterior - Grey Brick Mortar	Gray Non-Fibrous Homogeneous	HA: 2	100% Non-fibrous (Other)	None Detected
MA3-2-6 252301908-0006	Exterior - Grey Brick Mortar	Gray Non-Fibrous Homogeneous	HA: 2	100% Non-fibrous (Other)	None Detected
FC1-3-7 252301908-0007	Breakfast Nook - Pebbled Pattern Sheet flooring (Top Layer)	Brown/Tan Non-Fibrous Homogeneous	HA: 3	97% Non-fibrous (Other)	3% Chrysotile
FC1-3-8 252301908-0008	Breakfast Nook - Pebbled Pattern Sheet flooring (Top Layer)	Brown/Tan Non-Fibrous Homogeneous	HA: 3	98% Non-fibrous (Other)	2% Chrysotile
FC1-3-9 252301908-0009	Kitchen - Pebbled Pattern Sheet flooring (Top Layer)	Brown/Tan Non-Fibrous Homogeneous	HA: 3	98% Non-fibrous (Other)	2% Chrysotile
FT5-4-10-Floor Tile 252301908-0010	Breakfast Nook - Black floor tile w/Mastic under HA-3	Gray Non-Fibrous Homogeneous	HA: 4	100% Non-fibrous (Other)	None Detected
FT5-4-10-Adhesive/Mastic 252301908-0010A	Breakfast Nook - Black floor tile w/Mastic under HA-3	Black/Yellow Non-Fibrous Heterogeneous	HA: 4	96% Non-fibrous (Other)	4% Chrysotile
FT5-4-11-Floor Tile 252301908-0011	Breakfast Nook - Black floor tile w/Mastic under HA-3	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 04/24/2023 13:01:36



EMSL Analytical, Inc.

18369 Petroleum Drive Baton Rouge, LA 70809

Tel/Fax: (225) 755-1920 / (225) 755-1989

<http://www.EMSL.com> / batonrougelab@emsl.com

EMSL Order: 252301908
Customer ID: AQTE62
Customer PO: EH237063
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
HA: 4					
FT5-4-11-Adhesive/Mastic 252301908-0011A	Breakfast Nook - Black floor tile w/Mastic under HA-3	Black/Yellow Non-Fibrous Heterogeneous		96% Non-fibrous (Other)	4% Chrysotile
HA: 4					
FT5-4-12-Floor Tile 252301908-0012	Kitchen - Black floor tile w/Mastic under HA-3	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: 4					
FT5-4-12-Adhesive/Mastic 252301908-0012A	Kitchen - Black floor tile w/Mastic under HA-3	Black/Yellow Non-Fibrous Heterogeneous		96% Non-fibrous (Other)	4% Chrysotile
HA: 4					
FC1-5-13 252301908-0013	Laundry Rm - Marbled Square shaped floor covering w/Adhesive	Tan Non-Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (Other)	None Detected
HA: 5					
FC1-5-14 252301908-0014	Laundry Rm - Marbled Square shaped floor covering w/Adhesive	Tan Non-Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (Other)	None Detected
HA: 5					
FC1-5-15 252301908-0015	Laundry Rm - Marbled Square shaped floor covering w/Adhesive	Tan Non-Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (Other)	None Detected
HA: 5					
WB5-6-16 252301908-0016	Kitchen - White Popcorn Ceiling	White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
HA: 6					
WB5-6-17 252301908-0017	Breakfast Nook - White Popcorn Ceiling	White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
HA: 6					
WB5-6-18 252301908-0018	Bedroom #4 - White Popcorn Ceiling	White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
HA: 6					
WB5-6-19 252301908-0019	Bedroom #3 - White Popcorn Ceiling	White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
HA: 6					
WB5-6-20 252301908-0020	Hallway - White Popcorn Ceiling	White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
HA: 6					
WB5-6-21 252301908-0021	Bedroom #1 - White Popcorn Ceiling	White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
HA: 6					
WB5-6-22 252301908-0022	Dining Room - White Popcorn Ceiling	White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
HA: 6					

Initial report from: 04/24/2023 13:01:36



EMSL Analytical, Inc.

18369 Petroleum Drive Baton Rouge, LA 70809

Tel/Fax: (225) 755-1920 / (225) 755-1989

<http://www.EMSL.com> / batonrougelab@emsl.com

EMSL Order: 252301908
Customer ID: AQTE62
Customer PO: EH237063
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
WB3-7-23 252301908-0023	Dining Room - Wallboard Texture (Only)	White Non-Fibrous Homogeneous	HA: 7	94% Non-fibrous (Other)	6% Chrysotile
WB3-7-24 252301908-0024	Hallway - Wallboard Texture (Only)	White Non-Fibrous Homogeneous	HA: 7	94% Non-fibrous (Other)	6% Chrysotile
WB3-7-25 252301908-0025	Dining Room - Wallboard Texture (Only)	White Non-Fibrous Homogeneous	HA: 7	94% Non-fibrous (Other)	6% Chrysotile
WB3-7-26 252301908-0026	Hallway - Wallboard Texture (Only)	White Non-Fibrous Homogeneous	HA: 7	94% Non-fibrous (Other)	6% Chrysotile
WB3-7-27 252301908-0027	Bedroom #4 - Wallboard Texture (Only)	White Non-Fibrous Homogeneous	HA: 7	94% Non-fibrous (Other)	6% Chrysotile
WB3-7-28 252301908-0028	Bedroom #3 - Wallboard Texture (Only)	White Non-Fibrous Homogeneous	HA: 7	94% Non-fibrous (Other)	6% Chrysotile
WB3-7-29 252301908-0029	Bedroom #1 - Wallboard Texture (Only)	White Non-Fibrous Homogeneous	HA: 7	94% Non-fibrous (Other)	6% Chrysotile
WB4-8-30-Texture 252301908-0030	Hallway - Wallboard System and Texture	Tan Non-Fibrous Homogeneous	HA: 8	94% Non-fibrous (Other)	6% Chrysotile
WB4-8-30-Drywall 252301908-0030A	Hallway - Wallboard System and Texture	Gray Non-Fibrous Homogeneous	HA: 8	100% Non-fibrous (Other)	None Detected
WB4-8-31-Texture 252301908-0031	Hallway - Wallboard System and Texture	Tan Non-Fibrous Homogeneous	HA: 8	94% Non-fibrous (Other)	6% Chrysotile
WB4-8-31-Drywall 252301908-0031A	Hallway - Wallboard System and Texture	Gray Non-Fibrous Homogeneous	HA: 8	100% Non-fibrous (Other)	None Detected
WB4-8-32-Texture 252301908-0032	Bedroom #4 - Wallboard System and Texture	Tan Non-Fibrous Homogeneous	HA: 8	94% Non-fibrous (Other)	6% Chrysotile
WB4-8-32-Drywall 252301908-0032A	Bedroom #4 - Wallboard System and Texture	Gray Non-Fibrous Homogeneous	HA: 8	100% Non-fibrous (Other)	None Detected
MG5-9-33 252301908-0033	Dining Room - Mastic Associated w/3x36 wood floor strips	Yellow Non-Fibrous Homogeneous	HA: 9	100% Non-fibrous (Other)	None Detected

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EMSL Order: 252301908
Customer ID: AQTE62
Customer PO: EH237063
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
MG5-9-34 252301908-0034	Hallway - Mastic Associated w/3x36 wood floor strips	Yellow Non-Fibrous Homogeneous	HA: 9	100% Non-fibrous (Other)	None Detected
MG5-9-35 252301908-0035	Hallway - Mastic Associated w/3x36 wood floor strips	Yellow Non-Fibrous Homogeneous	HA: 9	100% Non-fibrous (Other)	None Detected
Ft2-10-36 252301908-0036	Bathroom #2 - 12x12 Grey floor tile w/Associated Mastic	Gray/Tan Non-Fibrous Homogeneous	HA: 10	100% Non-fibrous (Other)	None Detected
Ft2-10-37 252301908-0037	Bathroom #2 - 12x12 Grey floor tile w/Associated Mastic	Gray/Tan Non-Fibrous Homogeneous	HA: 10	100% Non-fibrous (Other)	None Detected
Ft2-10-38 252301908-0038	Bathroom #2 - 12x12 Grey floor tile w/Associated Mastic	Gray/Tan Non-Fibrous Homogeneous	HA: 10	100% Non-fibrous (Other)	None Detected
FC1-11-39 252301908-0039	Bathroom #2 - Yellow Sheet flooring w/Adhesive (Under HA-10)	Tan Non-Fibrous Homogeneous	HA: 11	100% Non-fibrous (Other)	None Detected
FC1-11-40 252301908-0040	Bathroom #2 - Yellow Sheet flooring w/Adhesive (Under HA-10)	Tan Non-Fibrous Homogeneous	HA: 11	100% Non-fibrous (Other)	None Detected
FC1-11-41 252301908-0041	Bathroom #2 - Yellow Sheet flooring w/Adhesive (Under HA-10)	Tan Non-Fibrous Homogeneous	HA: 11	100% Non-fibrous (Other)	None Detected
FT5-12-42-Brick 252301908-0042	Bathroom #2 - 12x12 Beige Ceramic Shower tile w/Grout & Thinset	Red Non-Fibrous Homogeneous	HA: 12	100% Non-fibrous (Other)	None Detected
FT5-12-42-Mortar 252301908-0042A	Bathroom #2 - 12x12 Beige Ceramic Shower tile w/Grout & Thinset	Gray Non-Fibrous Homogeneous	HA: 12	100% Non-fibrous (Other)	None Detected
FT5-12-43-Brick 252301908-0043	Bathroom #2 - 12x12 Beige Ceramic Shower tile w/Grout & Thinset	Red Non-Fibrous Homogeneous	HA: 12	100% Non-fibrous (Other)	None Detected
FT5-12-43-Mortar 252301908-0043A	Bathroom #2 - 12x12 Beige Ceramic Shower tile w/Grout & Thinset	Gray Non-Fibrous Homogeneous	HA: 12	100% Non-fibrous (Other)	None Detected
FT5-12-44-Brick 252301908-0044	Bathroom #2 - 12x12 Beige Ceramic Shower tile w/Grout & Thinset	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 04/24/2023 13:01:36



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EMSL Order: 252301908
Customer ID: AQTE62
Customer PO: EH237063
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
HA: 12					
FT5-12-44-Mortar 252301908-0044A	Bathroom #2 - 12x12 Beige Ceramic Shower tile w/Grout & Thinset	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: 12					
FT2-13-45 252301908-0045	Bathroom #3 - 12x12 White & Grey floor tile w/Mastic (Used on Countertop)	Gray/White/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: 13					
FT2-13-46 252301908-0046	Bathroom #3 - 12x12 White & Grey floor tile w/Mastic (Used on Countertop)	Gray/White/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: 13					
FT2-13-47 252301908-0047	Bathroom #3 - 12x12 White & Grey floor tile w/Mastic (Used on Countertop)	Gray/White/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: 13					
CA1-14-48 252301908-0048	Exterior Windows - White Window Caulk	Tan/White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
HA: 14					
CA1-14-49 252301908-0049	Exterior Windows - White Window Caulk	Tan/White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
HA: 14					
CA1-14-50 252301908-0050	Exterior Windows - White Window Caulk	Tan/White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
HA: 14					
RF3-15-51 252301908-0051	Shed - Black Roofing Shingles and felt Paper Associated w/Shed	Red/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: 15					
RF3-15-52 252301908-0052	Shed - Black Roofing Shingles and felt Paper Associated w/Shed	Red/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: 15					
RF3-15-53 252301908-0053	Shed - Black Roofing Shingles and felt Paper Associated w/Shed	Red/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: 15					



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EMSL Order: 252301908

Customer ID: AQTE62

Customer PO: EH237063

Project ID:

Analyst(s)

Victoria Atkins (62)

Martiana Beach, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Baton Rouge, LA NVLAP Lab Code 200375-0, LELAP 01950, TX 300238

Initial report from: 04/24/2023 13:01:36



Asbestos Bulk Sample Log & Chain of Custody

1908

Lab Use Only:

Lab Name: EMSL

Terracon Billing Office: Bates Rouge

Phone No. 225-305-9095

Page 6 of 3

Project Name: DOTD - 9632 Lockhart Road
 Project Address: 9632 Lockhart Road
 Site/Building: N/A
 Project Number: EH237063
 City/State / Zip: Daham Springs LA
 Project Manager: Jerry Garms
 Email Results To: Jerry.garms@terracon.com

HA	Sample Number	Sample Location	HA Description (Color, Dimensions, Descriptor, then Type)	HA General Location/Notes	Condition ¹	Friable ²	Estimated Quantity
1	RF3-1-1	Roof	Black Roofing Shingles	Roof	⊙ ^D SD	Y ¹⁰	8900 SP/LF/ Units
	RF3-1-2	↓					
	RF3-1-3	↓					
2	MA3-2-1	Exterior	Grey Brick Mortar	Exterior	⊙ ^D SD	Y ¹⁰	800 SP/LF/ Units
	MA3-2-5	↓					
	MA3-2-6	↓					
3	FC1-3-7	Breakfast Nook	Rebbed Sheet Flooring Pattern (Top Layer)	Kitchen Breakfast Nook	⊙ ^D SD	Y ¹⁰	800 SP/LF/ Units
	3-8	↓					
	3-9	↓					
4	FTS-4-10	Breakfast Nook	Black Floor tile w/ Mastic under HA-3	Kitchen Breakfast Nook	⊙ ^D SD	Y ¹⁰	800 SP/LF/ Units
	4-11	↓					
	4-12	↓	(Could not determine size)				
5	FC1-S-13	Laundry Room	2 Marbled Square shaped Floor covering w/ Adhesive	Laundry Room	⊙ ^D SD	DN	175 SP/LF/ Units
	S-14	↓					
	S-15	↓					

Sampling Date: 4-19-23
 Collector's Signature: Jeremiah Garms
 Date/Time: 4-19-23 11:27 AM
 Requisitioned by: [Signature]
 Date/Time: 4-19-23
 Analysis: PLM EPA 900/R-99/116
 Turnaround Time: 6 Hrs - 24 Hrs - 2 Days - 3 Days - 5 Days - Other
 Positive Stop: Number of samples: 53

¹ G = Good (no damage); D = Damaged (<25% localized); or SD = Significantly Damaged (>10% distributed or >25% localized); F = Friable NF = Non-Friable

Wack JA



Asbestos Bulk Sample Log & Chain of Custody

Lab Use Only:

1908

Lab Name: EMSL

Terracon Billing Office: CostaBeige

Phone No. 205-205-9095

Page 2 of 3

HA	Sample Number	Sample Location	HA Description (Color, Dimensions, Descriptor, then Type)	HA General Location/Notes	Condition ¹	Friable ²	Estimated Quantity
6	WBS-6-16	Kitchen	White Popcorn Ceiling	Throughout	G D SD	N	2900 SF/LF/ Units
	6-17	Breakfast Nook					
	6-18	Bedroom #4					
	6-19	Bedroom #3					
	6-20	Hallway					
	6-21	Bedroom #1					
6	6-22	Dining Room	↓	↓	G D SD	Y/N	SF/LF/ Units
	6-23	_____					
	6-24	_____					
7	WBS-7-23	Dining Room	Wallboard Texture (Only)	Throughout	G D SD	Y/N	SF/LF/ Units
	7-24	Hallway					
	7-25	Dining Room					
	7-26	Hallway					
	7-27	Bedroom #4					
	7-28	Bedroom #3					
7	7-29	Bedroom #1	↓	↓	G D SD	Y/N	SF/LF/ Units
	7-30	_____					
	7-31	_____					
8	WBS-8-30	Hallway	Wallboard System and Texture		G D SD	Y/N	SF/LF/ Units
	8-31	Hallway					
	8-32	Bedroom #4					

¹ G = Good (no damage); D = Damaged (<10% distributed or <2.5% localized); or SD = Significantly Damaged (>10% distributed or >25% localized); F = Friable NF = Non-Friable



Asbestos Bulk Sample Log & Chain of Custody

1908

Lab Use Only:

Lab Name: EMSL

Terracon Billing Office: *Baton Rouge*

Phone No. *225-305-9095*

Page *3* of *3*

HA	Sample Number	Sample Location	HA Description (Color, Dimensions, Descriptor, then Type)	HA General Location/Notes	Condition?	Friable?	Estimated Quantity
9	MGS-9-33	Dining Room	* Mastic Associated w/ 3x36 wood floorstrips	Hallway	D SD	Y/N	100 SF/LF/ Units
	9-34	Hallway					
	9-35	Hallway					
10	FTD-10-36	Bathroom #2	12x12 Grey floor tile w/ Associated Mastic	Bathroom #2	D SD	Y/N	200 SF/LF/ Units
	10-37						
	10-38						
11	FC1-11-39	Bathroom #2	Yellow sheet flooring w/ Adhesive (Under HA-10)	Bathroom #2	D SD	Y/N	200 SF/LF/ Units
	11-40						
	11-41						
12	FTS-12-42	Bathroom #2	12x12 Beige Shower tile w/ Grout & Thinset	Bathroom #2	D SD	Y/N	750 SF/LF/ Units
	12-43						
	12-44						
13	FTD-13-45	Bathroom #3	12x12 White & Grey floor tile w/ Mastic (used on Counter top)	Bathroom #3	D SD	Y/N	50 SF/LF/ Units
	13-46						
	13-47						
14	CA1-14-48	Exterior Windows	White Window Caulk	Exterior Windows	D SD	Y/N	75 SF/LF/ Units
	14-49						
	14-50						
15	RFS-15-51	Shed	Black Roofing Shingles and felt paper Associated w/ Shed	Shed Roof	D SD	Y/N	250 SF/LF/ Units
	15-52						
	15-53						

Appendix D

Exhibits

PROJECT: DOTD - 9632 Lockhart Road

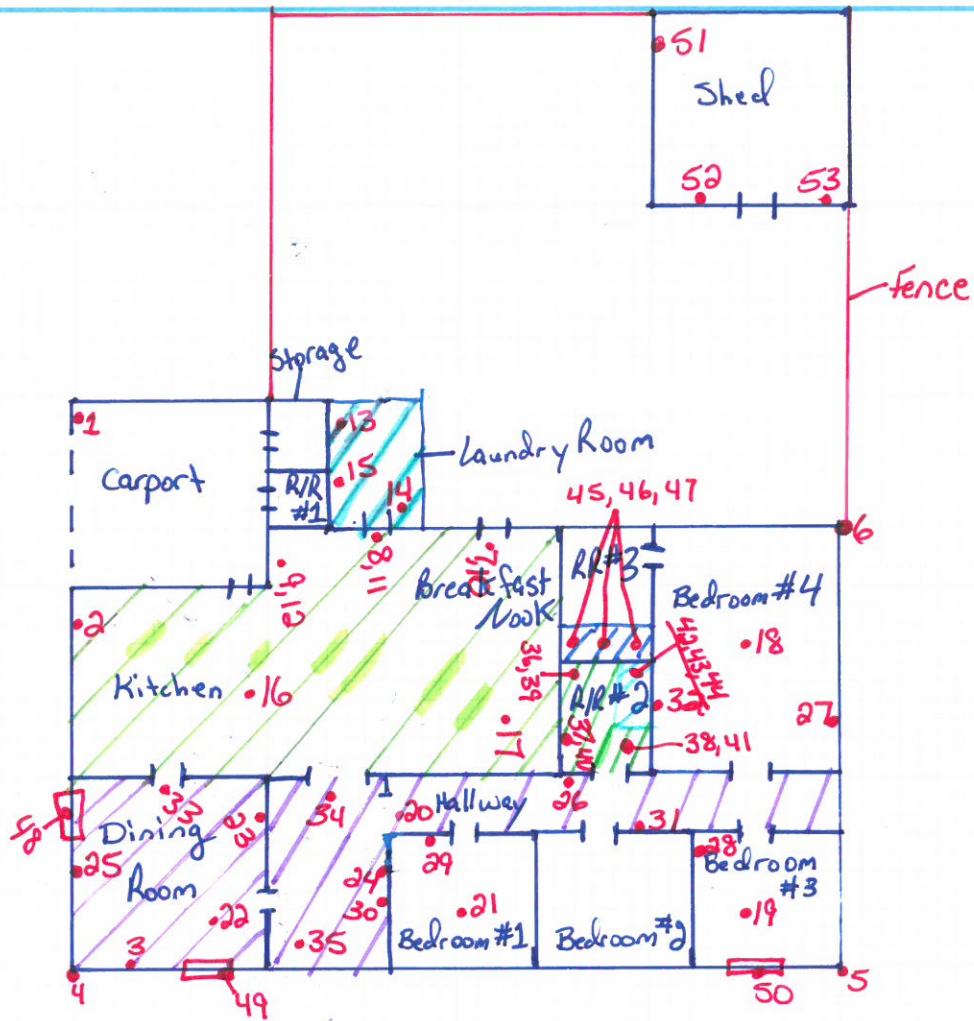
Page 1 of 1

JOB NO. EH237063

Date 4-19-23

Comp. By JG

CHECKED BY: _____



- = HA-3 + HA-4
- = HA-5
- = HA-9
- = HA-10 + HA-11
- = HA-12
- = HA-13

Appendix E

Personnel and Laboratory Accreditations

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that

Jeremiah A Garms

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

Asbestos Inspector

Accreditation No. OI140570

AI No. 140570

Date of Issuance October 25, 2022

Expiration October 21, 2023

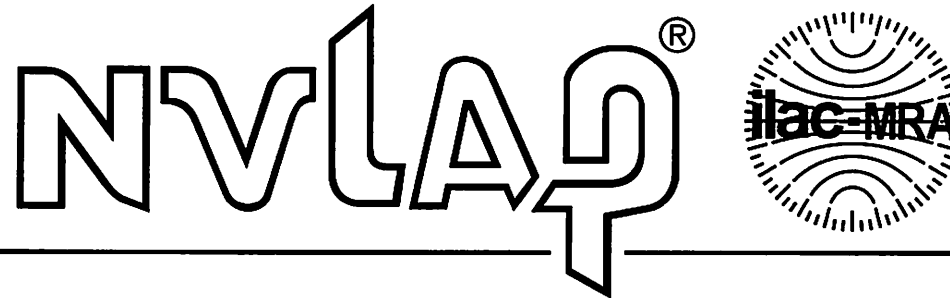
Failure to comply with all applicable provisions of La. R.S. 2025.E. (1)(a) and La. R.S. 2025.F. (2)(a)
may result in civil and/or criminal enforcement actions by the State.

Charles Finley

Permit Support Services Division
Office of Environmental Services

LOUISIANA

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200375-0

EMSL Analytical, Inc.
Baton Rouge, LA

*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).*

2023-01-01 through 2023-12-31

Effective Dates



For the National Voluntary Laboratory Accreditation Program

A handwritten signature in black ink, appearing to read 'David S. Haman', is written over a horizontal line.

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

EMSL Analytical, Inc.
18369 Petroleum Drive
Baton Rouge, LA 70809
Mr. Jamie Laginess
Phone: 225-755-1920
Email: jlaginess@emsl.com
<http://www.emsl.com>

ASBESTOS FIBER ANALYSIS

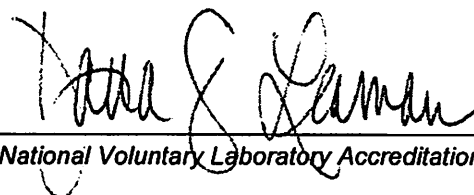
NVLAP LAB CODE 200375-0

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

Airborne Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.



For the National Voluntary Laboratory Accreditation Program



**STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY**

Is hereby granting a Louisiana Environmental Laboratory Accreditation to



**EMSL Analytical Inc
18369 Petroleum Dr
Baton Rouge, Louisiana 70809**

**Agency Interest No. 205208
Activity No. ACC20220001**

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.

Tonya Landry
Administrator
Public Participation and Permit Support Services Division

Issued Date: 6/27/2022

Effective Date: July 1, 2022

Expiration Date: June 30, 2023

Certificate Number: 01950



STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

Effective Date: July 1, 2022

18369 Petroleum Dr, Baton Rouge, Louisiana 70809

Certificate Number: 01950

EMSL Analytical Inc
AI Number: 205208
Activity No. ACC20220001
Expiration Date: June 30, 2023

Air Emissions

Analyte	Method Name	Method Code	Type	AB
1520 - Asbestos	40 CFR Part 763, Subpart E, Appendix A (Mandatory TEM)	2062	ISO 17025	NVLAP
100683 - Fungal - Direct Examination (Air)	EMSL Micro-SOP-201	9321	State	A2LA
1075 - Lead	NIOSH 7082, Rev.2	90012230	State	A2LA

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
100095 - Asbestos in Bulk Insulation	40 CFR 763, Subpart E, Appendix E (Section 1.PLM)	2004	ISO 17025	NVLAP
100681 - Fungal - Direct Examination (Bulk)	EMSL Micro-SOP-200	9322	State	A2LA
100682 - Fungal - Direct Examination (Surface)	EMSL Micro-SOP-200	9322	State	A2LA
1075 - Lead	EPA 3050	10135203	NLLAP	A2LA
1075 - Lead	EPA 7000	10157401	NLLAP	A2LA
1520 - Asbestos	EPA 600/R-93/116	10294583	ISO 17025	NVLAP

Biological Tissue

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