

March 23, 2018

Louisiana Department of Transportation and Development  
1201 Capital Access Road  
Baton Rouge, Louisiana 70804

Attn: Ms. Radha Kumar  
P: (225) 242-4554  
E: Radha.Kumar@la.gov

Re: **Asbestos Survey Report**  
Detached Garage and Detached Shed  
103 Company Canal Road  
Bourg, Louisiana  
Terracon Project No. ET187062  
State Project No. H.001498

Dear Ms. Kumar:

The purpose of this report is to present the results of an asbestos survey performed on March 20, 2018, at the above referenced structure in Bourg, Louisiana. This survey was conducted in general accordance with the Task Order Number 6. We understand this survey was requested due to the planned demolition of the structure.

No suspect asbestos containing materials (ACM) were identified. Please refer to the attached report for details.

Terracon Consultants, Inc. appreciates the opportunity to provide this service to the Louisiana Department of Transportation and Development. If you have any questions regarding this report, please contact the undersigned at (504)818-3638.

Sincerely,  
**Terracon Consultants, Inc.**



Michael V. Milano  
LDEQ Asbestos Inspector (AI# 188143)



Zack L. Dial, P.E.  
Office Manager

# Asbestos Survey Report

Detached Garage and Detached Shed  
103 Company Canal Road  
Bourg, Louisiana

March 23, 2018

Terracon Project No. ET187062

State Project No. H.001498



**Prepared for:**

Louisiana Department of Transportation and Development  
Baton Rouge, Louisiana

**Prepared by:**

Terracon Consultants, Inc.  
New Orleans, Louisiana

[terracon.com](http://terracon.com)

**Terracon**

Environmental



Facilities



Geotechnical



Materials

## TABLE OF CONTENTS

<b>1.0</b>	<b>INTRODUCTION</b> .....	<b>1</b>
	1.1 Project Objective.....	1
<b>2.0</b>	<b>BUILDING DESCRIPTION</b> .....	<b>1</b>
<b>3.0</b>	<b>FIELD ACTIVITIES</b> .....	<b>2</b>
	3.1 Visual Assessment .....	2
	3.2 Physical Assessment.....	2
	3.3 Sample Collection.....	2
	3.4 Sample Analysis .....	<b>Error! Bookmark not defined.</b>
<b>4.0</b>	<b>REGULATORY OVERVIEW</b> .....	<b>2</b>
<b>5.0</b>	<b>FINDINGS AND RECOMMENDATIONS</b> .....	<b>4</b>
<b>6.0</b>	<b>GENERAL COMMENTS</b> .....	<b>4</b>

## APPENDICES

APPENDIX A	Certification
APPENDIX B	Photographs

## **EXECUTIVE SUMMARY**

A summary of findings is provided below. It should be recognized that details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

Terracon Consultants, Inc. (Terracon) conducted an asbestos survey for the Louisiana Department of Transportation and Development (LDOTD) of the detached garage and detached shed located at 103 Company Canal Road in Bourg, Louisiana. It is our understanding that LDOTD is planning to demolish the structures. The purpose of this survey was to identify and sample suspect asbestos-containing materials (ACM) and provide information regarding the identity, location, condition and approximate quantities of ACM in building components.

The survey was conducted on March 20, 2018, by Mr. Michael V. Milano, a Louisiana Department of Environmental Quality (LDEQ) certified Asbestos Inspector, in general accordance with the sampling protocols established in Environmental Protection Agency (EPA) 40 Code of Federal Regulations (CFR) 763. No suspect ACM were identified during the survey; therefore, no samples were collected.

Please refer to the attached report for details. Photographs are included in Appendix B.

**ASBESTOS SURVEY REPORT**  
**Detached Garage and Detached Shed**  
**103 Company Canal Road**  
**Bourg Louisiana**  
**Terracon Project No. ET187062**  
**March 26, 2018**

## **1.0 INTRODUCTION**

Terracon Consultants, Inc. (Terracon) conducted an asbestos survey for the Louisiana Department of Transportation and Development (LDOTD) of the vacant residential structure located at 103 Company Canal Road in Bourg, Louisiana. The survey was conducted on March 20, 2018, by Mr. Michael V. Milano, a LDEQ certified Asbestos Inspector, in accordance with the Task Order Number 6. Interior and exterior building components were surveyed and homogeneous areas of suspect asbestos-containing materials (ACM) were visually identified and documented. Suspect ACM samples were collected in general accordance with the sampling protocols outlined in Environmental Protection Agency (EPA) 40 Code of Federal Regulations (CFR) 763, Asbestos Hazard Emergency Response Act, (AHERA). No suspect ACM were identified during the survey; therefore, no samples were collected.

### **1.1 Project Objective**

We understand this asbestos survey was requested due to the planned demolition of the structure. EPA regulation 40 CFR 61, Subpart M, National Emission Standards for Hazardous Air Pollutants (NESHAP) and Louisiana Administrative Code (LAC) Title 33, Part III, Section 5151, prohibits the release of asbestos fibers to the atmosphere during renovation or demolition activities. The EPA NESHAP and LDEQ regulations requires that potentially regulated asbestos-containing building materials be identified, classified and quantified prior to planned disturbances or demolition activities.

## **2.0 BUILDING DESCRIPTION**

The detached garage is a wood-framed structure with a gabled metal roof and a slab-on-grade foundation. The exterior walls were vinyl siding installed on wooden planks. No interior finishes were observed. The detached shed, located on the west side of the property, is a wood-framed gabled metal roof and a slab-on-grade foundation. Exterior walls were vinyl siding installed on wooden planks. Interior components were unfinished concrete and painted plywood.

### **3.0 FIELD ACTIVITIES**

The survey was conducted by Mr. Michael V. Milano, a LDEQ certified Asbestos Inspector. A copy of Mr. Milano's Asbestos Inspector certificate is attached in Appendix D. The survey was conducted in general accordance with the sample collection protocols established in EPA regulation 40 CFR 763, 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 structure to identify homogeneous areas of suspect ACM. A homogeneous area consists of building materials that appear similar throughout in terms of color, texture with consideration of the date of application. The interior and exterior assessment was conducted throughout visually accessible areas of the structure. Building materials identified as concrete, glass, wood, masonry, metal or rubber were not considered suspect ACM.

#### **3.2 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 which 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, No suspect ACM were identified during the survey; therefore, no samples were collected.

### **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. Friable ACM is a material containing more than 1% asbestos that, when dry, can be crumbled, pulverized or reduced to powder by hand pressure.

The asbestos NESHAP regulation classifies ACM as either Regulated Asbestos Containing Material (RACM), Category I non-friable ACM or Category II non-friable ACM. 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. All friable ACM is considered regulated asbestos containing material (RACM). 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-

## Asbestos Survey Report

103 Company Canal Road Bourg, Louisiana  
March 26, 2018 ■ Terracon Project No. ET187062



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 (LDEQ) 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 must be performed by accredited individuals: asbestos surveys, asbestos abatement, monitoring for airborne asbestos, and project design.

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 facility 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 which disturbs RACM 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 which could disturb ACM, and specifies work practices and precautions which employers must follow when engaging in each class of regulated work.

## **5.0 FINDINGS AND RECOMMENDATIONS**

No suspect ACM were identified during this survey.

LDEQ requires an Asbestos Abatement Notification Form AAC-2 be submitted prior to all demolitions, even those that do not contain asbestos.

It should be noted that suspect materials, other than those identified during this survey may exist within the structure. Should suspect materials other than those which 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.

## **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 structure. 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 LDOTD 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, expressed or implied is made.

**APPENDIX A**  
**CERTIFICATION**

**STATE OF LOUISIANA**  
**DEPARTMENT OF ENVIRONMENTAL QUALITY**

certifies that

***Michael Milano***

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

**ASBESTOS INSPECTOR**

Accreditation No. 8I188143

AI No. 188143

Date of Issuance 7/26/2017

Expiration 9/23/2018

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.

Christopher Mangum  
Permit Support Services Division  
Office of Environmental Services

**APPENDIX B**  
**PHOTOGRAPHS**



**Photograph No. 1**  
Exterior view of the detached garage.



**Photograph No. 2**  
Interior view of the detached garage.



**Photograph No. 3**  
Exterior view of the detached shed.



**Photograph No. 4**  
Interior view of the detached shed.