



LIMITED ASBESTOS SURVEY

**Existing Residence Building
513 E. State Rd 114
Levelland, TX 79336**

Project No. 21-DEA701A

Prepared For:

**7B Building and Development
13105 Dover
Lubbock, Texas 79424**

Prepared by:

**GEOSCIENCE ENGINEERS, LLC
Dallas, Texas**

June 2021



Project No. 21-DEA701A

June 25, 2021

7B Building and Development
13105 Dover
Lubbock, Texas

ASBESTOS SURVEY

Existing Residence Building
513 E. State Rd 114
Levelland, TX 79336

This report presents the results of an Asbestos Survey performed at the site of the above referenced location.

At the request of our client, our firm subcontracted an independent asbestos laboratory to conduct an Asbestos Survey on the existing building. A copy of the Asbestos Survey is attached to this report. The conclusions and recommendations contained herein describe conditions present at the time of this survey and pertain only to areas that were observed. This study was not designed for any purposes beyond those stated.

We appreciate the opportunity to be of assistance on this project. Please feel free to contact us if you have any questions or if we can be of further service.

Respectfully,

Geoscience Engineers, LLC
Firm Reg # F-11285

Syed S. Afsar, P.E.
Project Engineer



LOFLIN ENVIRONMENTAL SERVICES, INC.

June 25, 2021

Geoscience Engineers, LLC
2712 Satsuma Drive, Suite 400
Dallas, Texas 75229

Attention: Mr. Syed Afsar

**Subject: Report of Limited Asbestos Survey
"Residence Building"
513 E. State Rd. 114 – Levelland, Texas
Loflin Environmental Services, Project No. 200-21-336**

Dear Mr. Afsar,

Attached are the results for a limited asbestos survey, performed on June 22, 2021 at the above referenced address. The purpose of this work was to identify the presence and quantity of asbestos containing materials associated with the structure and assess those materials that may be disturbed during renovation or demolition.

Visual observation of the structure revealed various linoleum floorings, joint compound with associated sheet rock, wall texture, ceiling texture and asphalt roofing shingle with mastic as materials suspected of containing asbestos. Representative samples of the suspect materials were collected in general accordance with Texas DSHS regulations and submitted to **LOFLIN's** Houston laboratory for asbestos analysis. All were analyzed using Polarized Light Microscopy (PLM) coupled with dispersion staining in accordance with EPA's "Method For The Determination Of Asbestos In Bulk Samples" EPA 600/R/R-93/116, July 1993.

Based on laboratory analysis, the following materials were found to contain asbestos.

- **Tan Linoleum Flooring was found to contain 28-30% Chrysotile asbestos. The asbestos containing linoleum flooring was observed in the Laundry Room and Closet/Old Bathroom Areas of the residence, totaling approximately 300 square feet.**

Based on laboratory analysis, one of the wall texture samples was found to contain 1-2% Chrysotile asbestos. The sample was selected for additional analysis utilizing a more detailed method called the Point Count Method. The Point Count Method is recommended by the EPA for a more accurate quantification of materials found to have low concentrations of asbestos using Polarized Light Microscopy (PLM). After analyzing the sample using the Point Count method, the sample was found to contain .75% Chrysotile asbestos. According to EPA and Texas Asbestos Health Protection Rules (TAHPR) standards, any material with concentrations that are found to contain 1.0% percent asbestos or less, is not considered asbestos containing. Therefore, the wall texture is not considered asbestos containing.

Based on laboratory analysis, the ceiling texture, wall texture and joint compound was found to contain <1% Chrysotile asbestos. According to EPA and Texas Asbestos Health Protection Rules (TAHPR) standards, any material with concentrations that are found to contain 1.0% percent asbestos or less, is not considered asbestos containing.

Loflin Environmental Services, Inc. appreciates this opportunity to provide these testing services. If you have any questions concerning this report or the work performed please contact us.

*Sincerely,
Loflin Environmental Service, Inc.*



*Matthew Songster
Texas DSHS Inspector #603867*



NVLAP 10-2044
TDH Lab 30-0031

**Report of Bulk Sample Analysis
For Asbestos Identification**
Polarized Light Microscopy (PLM)
EPA 600/R-93/116, July 1994

Client: GEOSCIENCE ENGINEERING
Client Address: 2712 SATSUMA, STE. 400, DALLAS, TX 75229
Project No: 200-21-336PC
Project Name: 513 E. STATE RD. 114, LEVELLAND, TX

Date Received: 06/23/2021
Date Analyzed: 06/24/2021
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Lab Number	Field Number	Sample Description (Components)	Sample Location	Asbestos Detected	Additional Constituents
L338352	1	WHITE, POWDERY NONHOM (CEILING TEXTURE)		<1% CHRYSOTILE	CALCITE, QUARTZ, MICA, OTHER
		WHITE, CHALKY (SHEET ROCK)		NONE DETECTED	5% CELLULOSE OTHER
L338353	2	WHITE, POWDERY NONHOM (CEILING TEXTURE)		<1% CHRYSOTILE	CALCITE, QUARTZ, MICA, OTHER
		WHITE, POWDERY (JOINT COMPOUND)		<1% CHRYSOTILE	CALCITE, QUARTZ, MICA, OTHER
		WHITE, CHALKY (SHEET ROCK)		NONE DETECTED	5% CELLULOSE OTHER
L338354	3	WHITE, POWDERY NONHOM (CEILING TEXTURE)		<1% CHRYSOTILE	CALCITE, QUARTZ, MICA, OTHER
		WHITE, POWDERY (JOINT COMPOUND)		<1% CHRYSOTILE	CALCITE, QUARTZ, MICA, OTHER
		WHITE, CHALKY (SHEET ROCK)		NONE DETECTED	5% CELLULOSE OTHER

Laboratory Manager

*Asbestos-containing materials - The type and percentage of various fibrous components was determined by the microscopist in accordance with the U.S. Environmental Protection Agency's "Interim Method for the Determination of Asbestos in Bulk Insulation Samples", as found in 40 CFR, Part 763, Subpart E, Appendix E and the "Method For The Determination Of Asbestos In Bulk Samples" EPA 600/R-93/116, July 1993.

Departures from the test method: None

The above test report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

Analysis results on this test report pertain only to those materials tested.

Disclaimers: Asbestos content is quantified using Calibrated Visual Estimate. PLM analysis has been known to be inaccurate for materials with low concentrations of asbestos. Negative PLM results cannot be guaranteed. LES recommends using TEM analysis for materials reported as <1% or none detected.

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NVLAP 10-2044
TDH Lab 30-0031

**Report of Bulk Sample Analysis
For Asbestos Identification**

Polarized Light Microscopy (PLM)
EPA 600/R-93/116, July 1994

Client: GEOSCIENCE ENGINEERING
Client Address: 2712 SATSUMA, STE. 400, DALLAS, TX 75229
Project No: 200-21-336PC
Project Name: 513 E. STATE RD. 114, LEVELLAND, TX

Date Received: 06/23/2021

Date Analyzed: 06/24/2021

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Lab Number	Field Number	Sample Description (Components)	Sample Location	Asbestos Detected	Additional Constituents
L338355	4	BEIGE, POWDERY NONHOM (WALL TEXTURE)		.75% CHRYSOTILE (POINT COUNTED)	CALCITE, QUARTZ, MICA, OTHER
		BEIGE, POWDERY (JOINT COMPOUND)		<1% CHRYSOTILE	CALCITE, QUARTZ, MICA, OTHER
		WHITE, CHALKY (SHEET ROCK)		NONE DETECTED	5% CELLULOSE OTHER
L338356	5	BEIGE, POWDERY NONHOM (WALL TEXTURE)		<1% CHRYSOTILE	CALCITE, QUARTZ, MICA, OTHER
		BEIGE, POWDERY (JOINT COMPOUND)		<1% CHRYSOTILE	CALCITE, QUARTZ, MICA, OTHER
		WHITE, CHALKY (SHEET ROCK)		NONE DETECTED	5% CELLULOSE OTHER
L338357	6	BEIGE, POWDERY NONHOM (WALL TEXTURE)		<1% CHRYSOTILE	CALCITE, QUARTZ, MICA, OTHER
		BEIGE, POWDERY (JOINT COMPOUND)		<1% CHRYSOTILE	CALCITE, QUARTZ, MICA, OTHER
		WHITE, CHALKY (SHEET ROCK)		NONE DETECTED	5% CELLULOSE OTHER

Laboratory Manager

*Asbestos-containing materials - The type and percentage of various fibrous components was determined by the microscopist in accordance with the U.S. Environmental Protection Agency's "Interim Method for the Determination of Asbestos in Bulk Insulation Samples", as found in 40 CFR, Part 763, Subpart E, Appendix E and the "Method For The Determination Of Asbestos In Bulk Samples" EPA 600/R-93/116, July 1993.

Departures from the test method: None

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TDH Lab 30-0031

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Lab Number	Field Number	Sample Description (Components)	Sample Location	Asbestos Detected	Additional Constituents
L338358*	7	TAN, ELASTIC NONHOM (LINOLEUM)		NONE DETECTED	OTHER
		BEIGE, FIBROUS (BACKING)		NONE DETECTED	55% CELLULOSE OTHER
		GREEN, ELASTIC (LINOLEUM)		NONE DETECTED	OTHER
		WHITE, FIBROUS (BACKING)		28-30% CHRYSOTILE	25% CELLULOSE OTHER
L338359*	8	TAN, ELASTIC NONHOM (LINOLEUM)		NONE DETECTED	OTHER
		BEIGE, FIBROUS (BACKING)		NONE DETECTED	55% CELLULOSE OTHER
		GREEN, ELASTIC (LINOLEUM)		NONE DETECTED	OTHER
		WHITE, FIBROUS (BACKING)		28-30% CHRYSOTILE	25% CELLULOSE OTHER

Laboratory Manager

*Asbestos-containing materials - The type and percentage of various fibrous components was determined by the microscopist in accordance with the U.S. Environmental Protection Agency's "Interim Method for the Determination of Asbestos in Bulk Insulation Samples", as found in 40 CFR, Part 763, Subpart E, Appendix E and the "Method For The Determination Of Asbestos In Bulk Samples" EPA 600/R-93/116, July 1993.
Departures from the test method: None
The above test report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.
Analysis results on this test report pertain only to those materials tested.
Disclaimers: Asbestos content is quantified using Calibrated Visual Estimate. PLM analysis has been known to be inaccurate for materials with low concentrations of asbestos. Negative PLM results cannot be guaranteed. LES recommends using TEM analysis for materials reported as <1% or none detected. This report may not be reproduced, except in full, without written approval by LES



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TDH Lab 30-0031

**Report of Bulk Sample Analysis
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EPA 600/R-93/116, July 1994

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Client Address: 2712 SATSUMA, STE. 400, DALLAS, TX 75229
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Project Name: 513 E. STATE RD. 114, LEVELLAND, TX

Date Received: 06/23/2021
Date Analyzed: 06/24/2021
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Lab Number	Field Number	Sample Description (Components)	Sample Location	Asbestos Detected	Additional Constituents
L338360*	9	TAN, ELASTIC NONHOM (LINOLEUM)		NONE DETECTED	OTHER
		BEIGE, FIBROUS (BACKING)		NONE DETECTED	55% CELLULOSE OTHER
		GREEN, ELASTIC (LINOLEUM)		NONE DETECTED	OTHER
		WHITE, FIBROUS (BACKING)		28-30% CHRYBOTILE	25% CELLULOSE OTHER
L338361	10	TAN, ELASTIC NONHOM (LINOLEUM)		NONE DETECTED	OTHER
		BEIGE, FIBROUS (BACKING)		NONE DETECTED	55% CELLULOSE OTHER
		BEIGE, GUMMY (MASTIC)		NONE DETECTED	OTHER

Laboratory Manager

*Asbestos-containing materials - The type and percentage of various fibrous components was determined by the microscopist in accordance with the U.S. Environmental Protection Agency's "Interim Method for the Determination of Asbestos in Bulk Insulation Samples", as found in 40 CFR, Part 763, Subpart E, Appendix E and the "Method For The Determination Of Asbestos In Bulk Samples" EPA 600/R-93/116, July 1993.

Departures from the test method: None

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Lab Number	Field Number	Sample Description (Components)	Sample Location	Asbestos Detected	Additional Constituents
L338362	11	TAN, ELASTIC NONHOM (LINOLEUM)		NONE DETECTED	OTHER
		BEIGE, FIBROUS (BACKING)		NONE DETECTED	55% CELLULOSE OTHER
		BEIGE, GUMMY (MASTIC)		NONE DETECTED	OTHER
L338363	12	TAN, ELASTIC NONHOM (LINOLEUM)		NONE DETECTED	OTHER
		BEIGE, FIBROUS (BACKING)		NONE DETECTED	55% CELLULOSE OTHER
		BEIGE, GUMMY (MASTIC)		NONE DETECTED	OTHER
L338364	13	BLACK, FIBROUS NONHOM (ROOF SHINGLES)		NONE DETECTED	35% CELLULOSE TAR
		BLACK, TARRY (ROOF SHINGLES)		NONE DETECTED	35% GLASS FIBERS TAR, AGGREGATE

Laboratory Manager

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Departures from the test method: **None**

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NVLAP 10-2044
TDH Lab 30-0031

Loflin Environmental Services, Inc. 2020 Montrose Blvd., Houston, Texas 77006
(713) 521-3300 Fax (713)523-0829

Report of Bulk Sample Analysis For Asbestos Identification

Polarized Light Microscopy (PLM)
EPA 600/R-93/116, July 1994

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Client Address: 2712 SATSUMA, STE. 400, DALLAS, TX 75229
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Lab Number	Field Number	Sample Description (Components)	Sample Location	Asbestos Detected	Additional Constituents
L338365	14	BLACK, FIBROUS NONHOM (ROOF SHINGLES)		NONE DETECTED	35% CELLULOSE TAR
		BLACK, TARRY (ROOF SHINGLES)		NONE DETECTED	35% GLASS FIBERS TAR, AGGREGATE
L338366	15	BLACK, FIBROUS NONHOM (ROOF SHINGLES)		NONE DETECTED	35% CELLULOSE TAR
		BLACK, TARRY (ROOF SHINGLES)		NONE DETECTED	35% GLASS FIBERS TAR, AGGREGATE

Laboratory Manager

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Departures from the test method: **None**

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