ASBESTOS SAMPLING REPORT
Lafayette Connector
400 Mudd Ave., 425 Sampson St., & 212 First St.
Lafayette, LA

Prepared for:
Louisiana Department of
Transportation and Development
Right of Way Division
P.O. Box 3648
Lafayette, Louisiana

Prepared on:
October 22, 2021

SEMS Project #553-0032

Prepared by:
Ioannis Petikas
Industrial Hygiene Division Manager
ASBESTOS INSPECTION REPORT

Lafayette Connector
400 Mudd Ave., 425 Sampson St., & 212 First St.
Lafayette, Louisiana

October 22, 2021

Prepared for

Louisiana Department of
Transportation and Development
Right of Way Division
P.O. Box 3648
Lafayette, Louisiana

By

1725 N. Hearne Avenue, Building F
Shreveport, Louisiana 71107
(318) 779-0763

SEMS Field Inspector:  
Austin Leopold  
Certified Asbestos Inspector #21189864

Report Written & Submitted By:  
Ioannis Petikas  
Industrial Hygiene Division Manager
1.0 INTRODUCTION

Southern Environmental Management and Specialties (SEMS) was retained by the Louisiana Department of Transportation and Development to conduct asbestos sampling at the properties located at 400 Mudd Avenue, 425 Sampson Street, and 212 First Street in Lafayette, Louisiana.

SEMS completed the following scope of work:

➢ Completed an asbestos inspection of the structures to determine the presence and extent of asbestos-containing materials;

➢ Conducted the asbestos inspection survey in accordance with all applicable federal and state regulations;

➢ Submitted a comprehensive asbestos survey report

2.0 PROCEDURE

Bulk samples were taken from suspected asbestos-containing materials from the areas requested to be sampled and sent to CA Labs for analysis. Asbestos can only be positively identified using microscopical techniques. The samples collected in this survey were analyzed using Polarized Light Microscopy (PLM).

3.0 SAMPLE ANALYSIS

During the inspection, a total of forty-eight (48) samples, with layers, were taken. Located in Appendix A are photographs of the homogenous materials sampled during the inspection.

The analysis procedure followed for asbestos determination was conducted following EPA guidelines and Method 600/R-93/116. Based on these guidelines, suspect materials are not considered asbestos-containing materials (ACM) if the results of the samples collected are determined to have asbestos in amounts of 1% or less. Those materials analyzed and determined to contain greater than 1% are considered ACM.
4.0 SAMPLE RESULTS

The table below summarizes the sample results from the analysis. Any samples in bold red indicate positive identification of greater than 1% asbestos containing.

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Material Description</th>
<th>Location</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>DO-21-286-001</td>
<td>Black shingle, black tar</td>
<td>Exterior – NW</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-002</td>
<td>Black shingle, black tar</td>
<td>Exterior – West</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-003</td>
<td>Black shingle, black tar</td>
<td>Exterior – SW</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-004</td>
<td>Sheetrock, compound, tape</td>
<td>Teller’s Desk – SW</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-005</td>
<td>Sheetrock, compound, tape</td>
<td>Office area – NE</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-006</td>
<td>Sheetrock, compound, tape</td>
<td>Breakroom – SW</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-007</td>
<td>Floor tile, yellow mastic</td>
<td>Lobby – North</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-008</td>
<td>Floor tile, yellow mastic</td>
<td>Lobby – North</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-009</td>
<td>Floor tile, yellow mastic</td>
<td>Lobby – North</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-010</td>
<td>Floor tile, yellow mastic</td>
<td>North Storage – NE</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-011</td>
<td>Floor tile, yellow mastic</td>
<td>Bathroom – NW</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-012</td>
<td>Floor tile, yellow mastic</td>
<td>Bathroom – North</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-013</td>
<td>Ceiling tile – rough</td>
<td>Lobby – West</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-014</td>
<td>Ceiling tile – rough</td>
<td>Office area – South</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-015</td>
<td>Ceiling tile – rough</td>
<td>Break room – SE</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-016</td>
<td>Ceiling tile – smooth</td>
<td>South Storage – West</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-017</td>
<td>Ceiling tile – smooth</td>
<td>South Storage – South</td>
<td>None Detected</td>
</tr>
<tr>
<td>DO-21-286-018</td>
<td>Ceiling tile – smooth</td>
<td>South Storage – East</td>
<td>None Detected</td>
</tr>
<tr>
<td>SA-21-287-001</td>
<td>Ceiling tile</td>
<td>Master Bedroom – West</td>
<td>None Detected</td>
</tr>
<tr>
<td>SA-21-287-002</td>
<td>Ceiling tile</td>
<td>Master Bedroom – Center</td>
<td>None Detected</td>
</tr>
<tr>
<td>Sample ID</td>
<td>Material Description</td>
<td>Location</td>
<td>Result</td>
</tr>
<tr>
<td>--------------</td>
<td>------------------------------</td>
<td>------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>SA-21-287-003</td>
<td>Ceiling tile</td>
<td>Bathroom</td>
<td>None Detected</td>
</tr>
<tr>
<td>SA-21-287-004</td>
<td>Sheetrock and compound</td>
<td>Kitchen – North</td>
<td>None Detected</td>
</tr>
<tr>
<td>SA-21-287-005</td>
<td>Sheetrock and compound</td>
<td>Kitchen – North</td>
<td>None Detected</td>
</tr>
<tr>
<td>SA-21-287-006</td>
<td>Sheetrock and compound</td>
<td>Kitchen – North</td>
<td>None Detected</td>
</tr>
<tr>
<td>SA-21-287-007</td>
<td>Linoleum and brown mastic</td>
<td>Living room – South</td>
<td>None Detected</td>
</tr>
<tr>
<td>SA-21-287-008</td>
<td>Linoleum and brown mastic</td>
<td>Living room – West</td>
<td>None Detected</td>
</tr>
<tr>
<td>SA-21-287-009</td>
<td>Linoleum and brown mastic</td>
<td>Living room – East</td>
<td>None Detected</td>
</tr>
<tr>
<td>SA-21-287-010</td>
<td>Linoleum and yellow mastic</td>
<td>Addition closet</td>
<td>None Detected</td>
</tr>
<tr>
<td>SA-21-287-011</td>
<td>Linoleum and yellow mastic</td>
<td>Addition closet</td>
<td>None Detected</td>
</tr>
<tr>
<td>SA-21-287-012</td>
<td>Linoleum and yellow mastic</td>
<td>Addition closet</td>
<td>None Detected</td>
</tr>
<tr>
<td>FS-21-287-001</td>
<td>Ceiling tile</td>
<td>Living room</td>
<td>None Detected</td>
</tr>
<tr>
<td>FS-21-287-002</td>
<td>Ceiling tile</td>
<td>Sitting room</td>
<td>None Detected</td>
</tr>
<tr>
<td>FS-21-287-003</td>
<td>Ceiling tile</td>
<td>Front Bedroom</td>
<td>None Detected</td>
</tr>
<tr>
<td>FS-21-287-004</td>
<td>Sheetrock, compound, tape</td>
<td>Foyer – NW</td>
<td>3% Chrysotile</td>
</tr>
<tr>
<td>FS-21-287-005</td>
<td>Sheetrock, compound, tape</td>
<td>Sitting room – SE</td>
<td>3% Chrysotile</td>
</tr>
<tr>
<td>FS-21-287-006</td>
<td>Sheetrock, compound, tape</td>
<td>Front Bedroom – NW</td>
<td>3% Chrysotile</td>
</tr>
<tr>
<td>FS-21-287-007</td>
<td>Linoleum and yellow mastic</td>
<td>Kitchen – North</td>
<td>None Detected</td>
</tr>
<tr>
<td>FS-21-287-008</td>
<td>Linoleum and yellow mastic</td>
<td>Kitchen – NE</td>
<td>None Detected</td>
</tr>
<tr>
<td>FS-21-287-009</td>
<td>Linoleum and yellow mastic</td>
<td>Kitchen – East</td>
<td>None Detected</td>
</tr>
<tr>
<td>FS-21-287-010</td>
<td>Linoleum and tan mastic</td>
<td>Master Bathroom – North</td>
<td>23% Chrysotile</td>
</tr>
<tr>
<td>FS-21-287-011</td>
<td>Linoleum and tan mastic</td>
<td>Master Bathroom – North</td>
<td>23% Chrysotile</td>
</tr>
<tr>
<td>FS-21-287-012</td>
<td>Linoleum and tan mastic</td>
<td>Master Bathroom – South</td>
<td>23% Chrysotile</td>
</tr>
<tr>
<td>FS-21-287-013</td>
<td>Linoleum and tan mastic</td>
<td>Hall Bath – North</td>
<td>23% Chrysotile</td>
</tr>
<tr>
<td>Sample ID</td>
<td>Material Description</td>
<td>Location</td>
<td>Result</td>
</tr>
<tr>
<td>------------</td>
<td>---------------------------</td>
<td>-------------------------</td>
<td>----------------</td>
</tr>
<tr>
<td>FS-21-287-014</td>
<td>Linoleum and tan mastic</td>
<td>Hall Bath – North</td>
<td>23% Chrysotile</td>
</tr>
<tr>
<td>FS-21-287-015</td>
<td>Linoleum and tan mastic</td>
<td>Hall Bath – South</td>
<td>23% Chrysotile</td>
</tr>
<tr>
<td>FS-21-287-016</td>
<td>Fibrous insulation</td>
<td>Attic above Living room</td>
<td>None Detected</td>
</tr>
<tr>
<td>FS-21-287-017</td>
<td>Fibrous insulation</td>
<td>Attic above Living room</td>
<td>None Detected</td>
</tr>
<tr>
<td>FS-21-287-018</td>
<td>Fibrous insulation</td>
<td>Attic above Living room</td>
<td>None Detected</td>
</tr>
</tbody>
</table>

From the results above, the sheetrock compound and two different linoleum floors are positive for asbestos at 212 First Street. None of the samples collected at 400 Mudd Avenue or 425 Sampson Street are positive for asbestos.

Because the structure is to be demolished, SEMS recommends the following:

- **Floor Tile & Mastic**

  The floor tile and mastic are Category I non-friable asbestos-containing materials. The floor tile and mastic would need to be removed by a licensed abatement contractor prior to demolition.

- **Texture Material and Joint Compound (Walls & Ceilings)**

  The texture material and joint compound are Category I non-friable asbestos-containing materials. This material will have to be removed by a licensed abatement contractor prior to demolition.

Copies of the laboratory analytical results are included in Appendix B. Sample location drawings are included in Appendix C and the inspector’s certification certificate is included in Appendix D.

### 5.0 STANDARD OF CARE

Services performed by SEMS are conducted in a manner consistent with state-of-the-industry practices, recognizing that even the most comprehensive sampling may not detect all the areas exceeding the evaluation criteria in the structure/building. Therefore, SEMS cannot act as an insurer or certify that the site is free of asbestos. No expressed or implied representation or warranty is included, except that the services were performed within the limit of the scope of work authorized by the client and the encountered site conditions.

### 6.0 APPENDICES

- A. Photographs
- B. Laboratory Analytical Results
- C. Sample Location Drawings
- D. Certifications
APPENDIX A
PHOTOGRAPHS
<table>
<thead>
<tr>
<th>400 Mudd Ave – Office Area</th>
<th>400 Mudd Ave – South Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>400 Mudd Ave - Breakroom</td>
<td>400 Mudd Ave - Bathroom</td>
</tr>
<tr>
<td>400 Mudd Ave - HM 4</td>
<td>400 Mudd Ave - HM 5</td>
</tr>
<tr>
<td>---------------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>400 Mudd Ave - HM 6</td>
<td>425 Sampson St – Front</td>
</tr>
</tbody>
</table>
425 Sampson St - Side

425 Sampson St – Living Room

425 Sampson St - Kitchen

425 Sampson St – Bedroom 1
<table>
<thead>
<tr>
<th>425 Sampson St – Bedroom 1 Bathroom</th>
<th>425 Sampson St – Master Bathroom</th>
</tr>
</thead>
<tbody>
<tr>
<td>425 Sampson St – Master Bedroom</td>
<td>425 Sampson St - Addition</td>
</tr>
<tr>
<td>Location</td>
<td>HM</td>
</tr>
<tr>
<td>----------</td>
<td>----</td>
</tr>
<tr>
<td>425 Sampson St</td>
<td>HM 1</td>
</tr>
</tbody>
</table>

Page 7
<table>
<thead>
<tr>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>212 First St – Foyer</td>
<td></td>
</tr>
<tr>
<td>212 First St – Living room</td>
<td></td>
</tr>
<tr>
<td>212 First St - Kitchen</td>
<td></td>
</tr>
<tr>
<td>212 First St – Master bedroom</td>
<td></td>
</tr>
<tr>
<td>212 First St – Master Bathroom</td>
<td>212 First St – Sitting room</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>---------------------------</td>
</tr>
<tr>
<td>212 First St – Hall Bath</td>
<td>212 First St – Front Bedroom</td>
</tr>
<tr>
<td>212 First St – HM 1</td>
<td>212 First St – HM 2</td>
</tr>
<tr>
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<tr>
<td><img src="image1.jpg" alt="Image" /></td>
<td><img src="image2.jpg" alt="Image" /></td>
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<tr>
<td>212 First St – HM 3</td>
<td>212 First St – HM 4</td>
</tr>
<tr>
<td><img src="image3.jpg" alt="Image" /></td>
<td><img src="image4.jpg" alt="Image" /></td>
</tr>
<tr>
<td>212 First St – HM 5</td>
<td>212 First St – HM 6</td>
</tr>
</tbody>
</table>
APPENDIX B
ANALYTICAL DATA
## Chain of Custody

### Client Information
- **Client Name:** SEMS, Inc.
- **Client Address:** 1725 N. Hearne Ave., Building F, Shreveport, LA 71107
- **Phone number:** 318-799-0763
- **Fax number:** 225-924-2004
- **Project Number:** 533-0031
- **Contact:** Ioannis Petikas

### Billing Information
- **Billing Address:** SEMS, Inc., 11628 S. Choctaw Drive, Baton Rouge, LA 70815
- **Send Reports to:** L2 First St., Lafayette

### Results
- **VIA:** EMAIL
- **Material Matrix:** Air / Bulk / Water
- **Asbestos:** Please call ahead for availability of all rush and/or after hours samples.

### Analysis Table

<table>
<thead>
<tr>
<th>TEM</th>
<th>TA Time</th>
<th>PLM</th>
<th>TA Time</th>
<th>Optical / IAQ</th>
<th>TA Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHERA</td>
<td>4 hour</td>
<td>Interim</td>
<td>8 hour</td>
<td>tape/bulk/swab</td>
<td>4 hour</td>
</tr>
<tr>
<td>EPA Level II</td>
<td>8 hour</td>
<td>Interim</td>
<td>16 hour</td>
<td>air-o-cell cassettes</td>
<td>16 hour</td>
</tr>
<tr>
<td>Drinking Water</td>
<td>24 hour</td>
<td>AHERA</td>
<td>3 days</td>
<td>Anderson cultures</td>
<td>24 hour</td>
</tr>
<tr>
<td>Wipe</td>
<td>2 days</td>
<td>Point Count (NESHAPS)</td>
<td>5 days</td>
<td>Bacteria cultures</td>
<td>3 days</td>
</tr>
<tr>
<td>Micro-vac</td>
<td>3 days</td>
<td></td>
<td>2 days</td>
<td>PCM: NIOSH 7400</td>
<td>5-10 days</td>
</tr>
<tr>
<td>NIOSH 7402</td>
<td>5 days</td>
<td></td>
<td>3 days</td>
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<td>5 days</td>
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<tr>
<td>Chattfield Bulk</td>
<td></td>
<td></td>
<td>3 days</td>
<td></td>
<td>5 days</td>
</tr>
</tbody>
</table>

### Lead Time
- **Matrix:** Paint Chips, Soil, Air, Wipes, Wastewater, TCLP
- **TA Time:** 8 hour, 1 day, 2 days, 3 days, 5 days, 6-10 days

### Sample Information

<table>
<thead>
<tr>
<th>Sample Number</th>
<th>Sample Location</th>
<th>Sample Date/Time</th>
<th>Sample Volume (L)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Signature
- **Signature / Date / Time:** 10/14/2017 10:00

### Custody Information
- **Samples relinquished:**
  - **Signature / Date / Time:** 10/14/2017 10:00

### Revisions
- **Revision 2** 3/12/01 Page 1
<table>
<thead>
<tr>
<th>Location</th>
<th>Category</th>
<th>Assesment</th>
<th>Material</th>
<th>Photo</th>
<th>Sample ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master Bath</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kitchen</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W, N</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Front Bedroom</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S, E, S</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Family Room</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Living Room</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Summary:**
- Master Bath: Yellow valve floor
- Kitchen: Silver, with leper
- Front Bedroom: Silver floor
- Family Room: Yellow tile

**Date:** 1-2-12
**Log:** Asbestos Inspection Log
<table>
<thead>
<tr>
<th>Location</th>
<th>Assessment Category</th>
<th>Facility Category</th>
<th>Migration Description</th>
<th>Material Description</th>
<th>Photo ID</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ASBESTOS INSPECTION LOG**

**Facility:**

**Location:**

**Date:** 10-14-21

**Page:** 7 of 2
Analysis and Method

Summary of polarizing light microscopy (PLM / Stereomicroscopy bulk asbestos analysis) using the methods described in 40CFR Part 763 Appendix E to Subpart E (Interim and EPA 600 / R-93 / 116 (Improved). The sample is first viewed with the aid of stereomicroscopy. Numerous liquid slide preparations are created for analysis under the polarized microscope where identifications and quantifications are performed. Calibrated liquid refractive oils are used as liquid mounting medium. These oils are used for identification (dispersion staining). A calibrated visual estimation is reported, should any asbestiform mineral be present. Other techniques such as acid washing are used in conjunction with refractive oils for detection of smaller quantities of asbestos. All asbestos percentages are based on calibrated visual estimation traceable to NIST standards for regulated of asbestos. Traceability to measurement and calibration is achieved by using known amounts and types of asbestos from standards where analyst and laboratory accuracy are measured. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 0.50% (well above the laboratory definition of trace).

Discussion

Vermiculite containing samples may have trace amounts of actinolite-tremolite, where not found be PLM should be analyzed using TEM methods and / or water separation techniques. Suspected actinolite/vermiculite presence will be indicated through the sample comment section of this report.

Fibrous talc containing samples may even contain a related asbestos fiber known as anthophyllite. Under certain conditions the same fiber may actually contain both talc and anthophyllite (a phenomenon called intergrowth). Again, TEM detection methods are recommended. CA Labs PLM report comments will denote suspected amounts of asbestiform anthophyllite with talc, where further analysis is recommended.

Some samples (floor tiles, surfacings, etc.) may contain fibers too small to be detectable by PLM analysis and should be analyzed by TEM bulk protocols.

A "trace asbestos" will be reported if the analyst observes far less than 1% asbestos. CA Labs defines "trace asbestos" as a few fibers detected by the analyst in several preparations and will indicate as such under these circumstances.

Quantification of <1% will actually be reported as <=1% (allowable variance close to 1% is high). Such results are ideal for point counting, and the technique is mandatory for friable samples (NESHAP, Nov. 1990 and clarification letter 8 May 1991) under 1% percent asbestos and the "trace asbestos". In order to make all initial PLM reports issued from CA Labs NESHAP compliant, all <1% asbestos results (except floor tiles) will be point counted at no additional charge.

Qualifications

CA Labs is accredited by the National Voluntary Accreditation Program (NVLAP) for selected test methods for airborne fiber analysis (TEM), and for bulk asbestos fiber analysis (PLM). All analysts have a college degree in a natural science (geology, biology, or environmental science) or are recognized by a state professional board in one these disciplines. Extensive in-house training programs are used to augment education background of the analyst. The group leader of polarized light has received supplemental McCrone Research training for asbestos identification. This report is not covered by the scope of AIHA accreditation. Analysis performed at CA Labs, LLC 12232 Industriplex, Suite 32 Baton Rouge, LA 70809.
## Overview of Project Sample Material Containing Asbestos

<table>
<thead>
<tr>
<th>Customer Project:</th>
<th>212 First St. Lafayette</th>
<th>CA Labs Project #:</th>
<th>CBR21107112</th>
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</thead>
<tbody>
<tr>
<td>Sample #</td>
<td>Layer #</td>
<td>Analysts Physical Description of Subsample</td>
<td>Asbestos type / calibrated visual estimate percent</td>
</tr>
<tr>
<td>FS-21-287-004</td>
<td>004-1</td>
<td>Tan Surfaced Tan Compound</td>
<td>3% Chrysotile</td>
</tr>
<tr>
<td>FS-21-287-004-2</td>
<td>004-2</td>
<td>Tan Compound (beneath tape)</td>
<td>3% Chrysotile</td>
</tr>
<tr>
<td>FS-21-287-005</td>
<td>005-1</td>
<td>Yellow Surfaced Tan Compound</td>
<td>3% Chrysotile</td>
</tr>
<tr>
<td>FS-21-287-005-2</td>
<td>005-2</td>
<td>Tan Compound (beneath tape)</td>
<td>3% Chrysotile</td>
</tr>
<tr>
<td>FS-21-287-006</td>
<td>006-1</td>
<td>Tan Surfaced Tan Compound</td>
<td>3% Chrysotile</td>
</tr>
<tr>
<td>FS-21-287-006-2</td>
<td>006-2</td>
<td>Tan Compound (beneath tape)</td>
<td>3% Chrysotile</td>
</tr>
<tr>
<td>FS-21-287-010</td>
<td>010-1</td>
<td>Yellow Linoleum</td>
<td>23% Chrysotile</td>
</tr>
<tr>
<td>FS-21-287-011</td>
<td>011-1</td>
<td>Yellow Linoleum</td>
<td>23% Chrysotile</td>
</tr>
</tbody>
</table>

### Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

- ca - carbonate
- gypsum - gypsum
- bs - binder
- or - organic
- ma - matrix
- ms - mica
- ve - vermiculite
- ot - other
- pe - perlite
- qu - quartz
- fg - fiberglass
- mw - mineral wool
- wo - wollastinite
- ta - talc
- sy - synthetic
- ce - cellulose
- br - brucite
- ka - kaolin (clay)

This report relates to the items tested. This report is not to be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST, AIHA LAP, LLC, or any other agency of the federal government. This report may not be reproduced except in full without written permission from CA Labs. These results are submitted pursuant to CA Labs' current terms and sale, condition of sale, including the company’s standard warranty and limitations of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, CA Labs will store the samples for a period of ninety (90) days before discarding. A shipping or handling fee may be assessed for the return of any samples.
Overview of Project Sample Material Containing Asbestos

<table>
<thead>
<tr>
<th>Sample #</th>
<th>Layer #</th>
<th>Analysts Physical Description of Subsample</th>
<th>Asbestos type / calibrated visual estimate percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>FS-21-287-012</td>
<td>012-1</td>
<td>Yellow Linoleum</td>
<td>23% Chrysotile</td>
</tr>
<tr>
<td>FS-21-287-013</td>
<td>013-1</td>
<td>Tan Linoleum</td>
<td>23% Chrysotile</td>
</tr>
<tr>
<td>FS-21-287-014</td>
<td>014-1</td>
<td>Tan Linoleum</td>
<td>23% Chrysotile</td>
</tr>
<tr>
<td>FS-21-287-015</td>
<td>015-1</td>
<td>Tan Linoleum</td>
<td>23% Chrysotile</td>
</tr>
</tbody>
</table>

Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

- ca - carbonate
- gypsum - gypsum
- bi - binder
- or - organic
- ma - matrix
- mica - mica
- ve - vermiculite
- ot - other
- pe - perlite
- qu - quartz
- fg - fiberglass
- mw - mineral wool
- wo - wollastonite
- ta - talc
- sy - synthetic
- ce - cellulose
- br - brucite
- ka - kaolin (clay)

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### Polarized Light Asbestiform Materials Characterization

**Customer Info:**
**Attn:** Ioannis Petikas  
**SEMS, Inc**  
11628 S Choctaw Drive  
Baton Rouge, LA 70815

**Customer Project:**  
212 First St. Lafayette

**CA Labs Project #:**  
CBR21107112

**Phone #**  
225-924-2002

**Fax #**  
225-924-2004

**Sample #**  
Com Layer Analysts Physical Description of Subsample Homo Asbestos type / calibrated visual Non-asbestos fiber Non-fibrous type

<table>
<thead>
<tr>
<th>Sample #</th>
<th>Comment</th>
<th>Layer</th>
<th>Physical Description of Subsample</th>
<th>Homogeneous (Y/N)</th>
<th>Asbestos type / calibrated visual estimate percent</th>
<th>Non-asbestos fiber type / percent</th>
<th>Non-fibrous type / percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>FS-21-287-001</td>
<td>001-1</td>
<td>White Surfacing</td>
<td>Y None Detected</td>
<td>100% ce</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FS-21-287-002</td>
<td>002-1</td>
<td>White Surfacing</td>
<td>Y None Detected</td>
<td>100% ce</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FS-21-287-003</td>
<td>003-1</td>
<td>White Surfacing</td>
<td>Y None Detected</td>
<td>100% ce</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>FS-21-287-004</td>
<td>004-1</td>
<td>Tan Surfaced Tan Compound</td>
<td>N 3% Chrysotile</td>
<td>97% mi,bi,ca</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Analysis Method:** Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)  
**Preparation Method:** HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

**Approved Signatories:**

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers  
2. Fire Damage no significant fiber damages effecting fibrous percentages  
3. Actinolite in association with Vermiculite  
4. Layer not analyzed - attached to previous positive layer and contamination is suspected  
5. Not enough sample to analyze  
6. Anthophyllite in association with Fibrous Talc  
7. Contamination suspected from other building materials  
8. Favorable scenario for water separation on vermiculite for possible analysis by another method  
9. < 1% Result point counted positive  
10. TEM analysis suggested
Polarized Light Asbestiform Materials Characterization

Customer Info: Attn: Ioannis Petikas
SEMS, Inc
11628 S Choctaw Drive
Baton Rouge, LA 70815

Customer Project: 212 First St. Lafayette
CA Labs Project #: CBR21107112

Turnaround Time: 24 Hours
Date: 10/15/2021
Samples Received: 10/15/2021
Date Of Sampling: 10/14/2021
Purchase Order #: 533-0032

Sample # Com Layer Analysts Physical Description of Subsample Homogeneous (Y/N) Asbestos type / calibrated visual estimate percent Non-asbestos fiber type / percent Non-fibrous type / percent

004-2 Tan Compound (beneath tape) Y 3% Chrysotile 97% mi,ca

004-3 White Drywall with Paper N None Detected 10% ce 90% qu,gy

FS-21-287-005 Yellow Surfaced Tan Compound N 3% Chrysotile 97% mi,bi,ca

005-2 Tan Compound (beneath tape) Y 3% Chrysotile 97% mi,ca

005-3 White Drywall with Paper N None Detected 10% ce 90% qu,gy

FS-21-287-006 Tan Surfaced Tan Compound N 3% Chrysotile 97% mi,bi,ca

006-2 Tan Compound (beneath tape) Y 3% Chrysotile 97% mi,ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

Approved Signatories:

Chris Williams
Analyst

Senior Analyst Alicia Stretz

Laboratory Director Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1%. Result point counted positive
10. TEM analysis suggested
## Polarized Light Asbestiform Materials Characterization

<table>
<thead>
<tr>
<th>Sample #</th>
<th>Comment</th>
<th>Layer #</th>
<th>Analysts Physical Description of Subsample</th>
<th>Homogeneity (Y/N)</th>
<th>Asbestos type / calibrated visual estimate percent</th>
<th>Non-asbestos fiber type / percent</th>
<th>Non-fibrous type / percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>006-3</td>
<td>White Drywall with Paper</td>
<td>N</td>
<td>None Detected</td>
<td></td>
<td></td>
<td>10% ce</td>
<td>90% qu,gy</td>
</tr>
<tr>
<td>FS-21-287-007</td>
<td></td>
<td></td>
<td>Yellow Linoleum</td>
<td>Y</td>
<td>None Detected</td>
<td>20% ce</td>
<td>80% qu,ma</td>
</tr>
<tr>
<td>007-2</td>
<td>Tan Mastic</td>
<td>Y</td>
<td>None Detected</td>
<td></td>
<td></td>
<td>100% qu,bi</td>
<td></td>
</tr>
<tr>
<td>FS-21-287-008</td>
<td></td>
<td></td>
<td>Yellow Linoleum</td>
<td>Y</td>
<td>None Detected</td>
<td>20% ce</td>
<td>80% qu,ma</td>
</tr>
<tr>
<td>008-2</td>
<td>Tan Mastic</td>
<td>Y</td>
<td>None Detected</td>
<td></td>
<td></td>
<td>100% qu,bi</td>
<td></td>
</tr>
<tr>
<td>FS-21-287-009</td>
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<td></td>
<td>Yellow Linoleum</td>
<td>Y</td>
<td>None Detected</td>
<td>20% ce</td>
<td>80% qu,ma</td>
</tr>
<tr>
<td>009-2</td>
<td>Tan Mastic</td>
<td>Y</td>
<td>None Detected</td>
<td></td>
<td></td>
<td>100% qu,bi</td>
<td></td>
</tr>
</tbody>
</table>

**Analysis Method:** Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)

**Preparation Method:** HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

**Approved Signatories:**

Chris Williams
Analyst

Alicia Stretz
Senior Analyst

Chris Williams
Laboratory Director

Approved Signatories:

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages affecting fibrous percentages
3. Asbestos in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1%. Result point counted positive
10. TEM analysis suggested
**Polarized Light Asbestiform Materials Characterization**

**Customer Info:**

**SEMS, Inc**  
11628 S Choctaw Drive  
Baton Rouge, LA 70815

**Attn:** Ioannis Petikas

**Phone #** 225-924-2002  
**Fax #** 225-924-2004

**Sample #**  
**Comment**  
**Layer #**  
**Analysts Physical Description of Subsample**  
**Homo- geneous (Y/N)**  
**Asbestos type / calibrated visual estimate percent**  
**Non-asbestos fiber type / percent**  
**Non-fibrous type / percent**

<table>
<thead>
<tr>
<th>Sample #</th>
<th>Comment</th>
<th>Layer #</th>
<th>Analysts Physical Description of Subsample</th>
<th>Homogeneous (Y/N)</th>
<th>Asbestos type / calibrated visual estimate percent</th>
<th>Non-asbestos fiber type / percent</th>
<th>Non-fibrous type / percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>FS-21-287-010</td>
<td>010-1</td>
<td>Yellow Linoleum</td>
<td>Y</td>
<td>23% Chrysotile</td>
<td>77% qu,ma</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>010-2</td>
<td>Tan Mastic</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FS-21-287-011</td>
<td>011-1</td>
<td>Yellow Linoleum</td>
<td>Y</td>
<td>23% Chrysotile</td>
<td>77% qu,ma</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>011-2</td>
<td>Tan Mastic</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FS-21-287-012</td>
<td>012-1</td>
<td>Yellow Linoleum</td>
<td>Y</td>
<td>23% Chrysotile</td>
<td>77% qu,ma</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>012-2</td>
<td>Tan Mastic</td>
<td>Y</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>FS-21-287-013</td>
<td>013-1</td>
<td>Tan Linoleum</td>
<td>Y</td>
<td>23% Chrysotile</td>
<td>77% qu,ma</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Analysis Method:** Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)  
**Preparation Method:** HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

**Approved Signatories:**

- Chris Williams  
  Analyst

- Alicia Stretz  
  Senior Analyst

- Chris Williams  
  Laboratory Director

---

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9. < 1% Result point counted positive
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## Polarized Light Asbestiform Materials Characterization

### Sample Information

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<thead>
<tr>
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<th>Layer #</th>
<th>Analysts Physical Description of Subsample</th>
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<th>Non-asbestos fiber type / percent</th>
<th>Non-fibrous type / percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>013-2</td>
<td>4</td>
<td>Tan Mastic</td>
<td>Y</td>
<td></td>
<td>23% Chrysotile</td>
<td></td>
<td>77% qu,ma</td>
</tr>
<tr>
<td>FS-21-287-014</td>
<td></td>
<td>014-1 Tan Linoleum</td>
<td>Y</td>
<td></td>
<td>23% Chrysotile</td>
<td></td>
<td>77% qu,ma</td>
</tr>
<tr>
<td>014-2</td>
<td>4</td>
<td>Tan Mastic</td>
<td>Y</td>
<td></td>
<td>23% Chrysotile</td>
<td></td>
<td>77% qu,ma</td>
</tr>
<tr>
<td>FS-21-287-015</td>
<td></td>
<td>015-1 Tan Linoleum</td>
<td>Y</td>
<td></td>
<td>23% Chrysotile</td>
<td></td>
<td>77% qu,ma</td>
</tr>
<tr>
<td>015-2</td>
<td>4</td>
<td>Tan Mastic</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FS-21-287-016</td>
<td></td>
<td>016-1 Brown Fibrous Insulation</td>
<td>Y</td>
<td>None Detected</td>
<td>100% fg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FS-21-287-017</td>
<td></td>
<td>017-1 Brown Fibrous Insulation</td>
<td>Y</td>
<td>None Detected</td>
<td>100% fg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Analysis Method

Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)

### Preparation Method

HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

### Approved Signatories

- Chris Williams
- Alicia Stretz
- Chris Williams

---

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested
Polarized Light Asbestiform Materials Characterization

Customer Info: Attn: Ioannis Petikas
SEMS, Inc
11628 S Choctaw Drive
Baton Rouge, LA 70815

Customer Project: 212 First St. Lafayette
CA Labs Project #: CBR21107112

Turnaround Time: 24 Hours
Date: 10/15/2021
Samples Received: 10/15/2021
Date Of Sampling: 10/14/2021
Purchase Order #: 533-0032

Sample # Comment Layer # Analysts Physical Description of Subsample Homogeneous (Y/N) Asbestos type / calibrated visual estimate percent Non-asbestos fiber type / percent Non-fibrous type / percent

FS-21-287-018 018-1 Brown Fibrous Insulation Y None Detected 100% fg

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

Approved Signatories:

Chris Williams Analyst
6. Anthophyllite in association with Fibrous Talc
Alicia Stretz Senior Analyst
7. Contamination suspected from other building materials
Chris Williams Laboratory Director
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1%. Result point counted positive
10. TEM analysis suggested

---

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
Chain of Custody

Client Name: SEMS, Inc.
Client Address: 1725 N. Hearne Ave.
Building F
Shreveport, LA 71107

phone number: 318-799-0763
fax number: 225-924-2004
Project Number: 533.0632

CA Labs job # CBR 21107663
Billing Address: SEMS, Inc.
(if different) 11628 S. Choctaw Drive
Baton Rouge, LA 70815

Send Reports to:
Project Name: L3-3x3 Connector - 400 Mudd Ave

Reports Results VIA: EMAIL X FAX VERBAL

Total # Samples Submitted: 1
Total # Samples to be Analyzed: 1

Material Matrix:
Air / Bulk / Water

Asbestos: please call ahead for availability of all rush and/or after hours samples.

<table>
<thead>
<tr>
<th>TEM</th>
<th>TA Time</th>
<th>PLM</th>
<th>TA Time</th>
<th>Optical / IAQ</th>
<th>TA Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Circle analysis and TA time</td>
<td></td>
<td>Circle analysis and TA time</td>
<td>2 hour</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AHERA</td>
<td>4 hour</td>
<td>Improved</td>
<td>4 hour</td>
<td>tape/bulk/swab</td>
<td>4 hour</td>
</tr>
<tr>
<td>EPA Level II</td>
<td>8 hour</td>
<td>Interim</td>
<td>8 hour</td>
<td>Cyclex-c cassettes</td>
<td>8 hour</td>
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<tr>
<td>Drinking Water</td>
<td>16 hour</td>
<td></td>
<td>16 hour</td>
<td>Air-o-cell cassettes</td>
<td>16 hour</td>
</tr>
<tr>
<td>Wipe</td>
<td>24 hour</td>
<td>AHERA</td>
<td></td>
<td>Anderson cultures</td>
<td>24 hour</td>
</tr>
<tr>
<td>Micro-vac</td>
<td>2 days</td>
<td></td>
<td>2 days</td>
<td>Bulk/swab cultures</td>
<td>2 days</td>
</tr>
<tr>
<td>NIOSH 7402</td>
<td>3 days</td>
<td>Point Count</td>
<td>3 days</td>
<td>Bacteria cultures</td>
<td>3 days</td>
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<tr>
<td>Chattfield Bulk</td>
<td>5 days</td>
<td>(NESHAPS)</td>
<td>5 days</td>
<td>PCM: NIOSH 7400</td>
<td>5-10 days</td>
</tr>
</tbody>
</table>

Lead: Circle analysis and TA time

Matrix: Paint Chips Soil Air Wipes Wastewater TCLP
TA Time: 8 hour 1 day 2 days 3 days 5 days 6-10 days

Sample Information:

<table>
<thead>
<tr>
<th>Sample Number</th>
<th>Sample Location</th>
<th>Sample Date/Time</th>
<th>Sample Volume (L)</th>
</tr>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Data/wordpro/forms\ChainofCustody.wnp Revision 2 3/12/01 Page 1

Custody Information:
Samples relinquished: Signature / Date / Time
Samples received: Signature / Date / Time

Samples relinquished: Signature / Date / Time
Samples received: Signature / Date / Time

1:00 PM
10-13-2021
<table>
<thead>
<tr>
<th>Location</th>
<th>Category</th>
<th>Asbestos Category</th>
<th>Asbestos Frability</th>
<th>Material Description</th>
<th>Sample ID</th>
<th>Photo</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE 1/2x1/2 Hall fl.</td>
<td>4</td>
<td>Gray 12x12</td>
<td>3</td>
<td>For 12x12 Fl Fl</td>
<td>000</td>
<td>000</td>
</tr>
<tr>
<td>Lobby North</td>
<td>3</td>
<td>Gray 12x12</td>
<td>3</td>
<td>For 12x12 Fl Fl</td>
<td>000</td>
<td>000</td>
</tr>
<tr>
<td>SW East</td>
<td>2</td>
<td>12x12</td>
<td>2</td>
<td>South of wood floor</td>
<td>000</td>
<td>000</td>
</tr>
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Date: 10-13-21
Page 1 of 2

ASBESTOS INSPECTION LOG
<table>
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<tr>
<th>Location</th>
<th>Assessment</th>
<th>Category</th>
<th>Fidelity</th>
<th>Material Description</th>
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<td>North East</td>
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</table>

**Summary:**

- **Inspected by:** [Signature]
- **Date:** [Date]
- **Facility:** Location: [Facility Location]
- **Location:** [Location Details]
Analysis and Method
Summary of polarizing light microscopy (PLM / Stereomicroscopy bulk asbestos analysis) using the methods described in 40CFR Part 763 Appendix E to Subpart E (Interim and EPA 600 / R-93 / 116 (Improved). The sample is first viewed with the aid of stereomicroscopy. Numerous liquid slide preparations are created for analysis under the polarized microscope where identifications and quantifications are performed. Calibrated liquid refractive oils are used as liquid mounting medium. These oils are used for identification (dispersion staining). A calibrated visual estimation is reported, should any asbestiform mineral be present. Other techniques such as acid washing are used in conjunction with refractive oils for detection of smaller quantities of asbestos. All asbestos percentages are based on calibrated visual estimation traceable to NIST standards for regulated of asbestos. Traceability to measurement and calibration is achieved by using known amounts and types of asbestos from standards where analyst and laboratory accuracy are measured. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 0.50% (well above the laboratory definition of trace).

Discussion
Vermiculite containing samples may have trace amounts of actinolite-tremolite, where not found be PLM should be analyzed using TEM methods and / or water separation techniques. Suspected actinolite/vermiculite presence will be indicated through the sample comment section of this report.

Fibrous talc containing samples may even contain a related asbestos fiber known as anthophyllite. Under certain conditions the same fiber may actually contain both talc and anthophyllite (a phenomenon called intergrowth). Again, TEM detection methods are recommended. CA Labs PLM report comments will denote suspected amounts of asbestiform anthophyllite with talc, where further analysis is recommended.

Some samples (floor tiles, surfacings, etc.) may contain fibers too small to be detectable by PLM analysis and should be analyzed by TEM bulk protocols.

A "trace asbestos" will be reported if the analyst observes far less than 1% asbestos. CA Labs defines "trace asbestos" as a few fibers detected by the analyst in several preparations and will indicate as such under these circumstances.

Quantification of <1% will actually be reported as <=1% (allowable variance close to 1% is high). Such results are ideal for point counting, and the technique is mandatory for friable samples (NESHAP, Nov. 1990 and clarification letter 8 May 1991) under 1% percent asbestos and the "trace asbestos". In order to make all initial PLM reports issued from CA Labs NESHAP compliant, all <1% asbestos results (except floor tiles) will be point counted at no additional charge.

Qualifications
CA Labs is accredited by the National Voluntary Accreditation Program (NVLAP) for selected test methods for airborne fiber analysis (TEM), and for bulk asbestos fiber analysis (PLM). All analysts have a college degree in a natural science (geology, biology, or environmental science) or are recognized by a state professional board in one these disciplines. Extensive in-house training programs are used to augment education background of the analyst. The group leader of polarized light has received supplemental McCrone Research training for asbestos identification. This report is not covered by the scope of AIHA accreditation. Analysis performed at CA Labs, LLC 12232 Industriplex, Suite 32 Baton Rouge, LA 70809.
Overview of Project Sample Material Containing Asbestos

Customer Project: Lafayette Connector 400 Mudd Ave.  
CA Labs Project #: CBR21107063

<table>
<thead>
<tr>
<th>Sample #</th>
<th>Layer #</th>
<th>Analysts Physical Description of Subsample</th>
<th>Asbestos type / calibrated visual estimate percent</th>
<th>List of Affected Building Material Types</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
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</tr>
</tbody>
</table>

No Asbestos Detected.

Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

cb - carbonate  
gypsum - gypsum  
b - binder  
or - organic  
ma - matrix  
m - mica  
v - vermiculite  
oc - other  
pf - perlite  
qu - quartz  
g - fiberglass  
mmw - mineral wool  
w - wollastonite  
ta - talc  
sy - synthetic  
ce - cellulose  
br - brucite  
ka - kaolin (clay)

This report relates to the items tested. This report is not to be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST, AIHA LAP, LLC, or any other agency of the federal government. This report may not be reproduced except in full without written permission from CA Labs. These results are submitted pursuant to CA Labs’ current terms and sale, condition of sale, including the company’s standard warranty and limitations of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, CA Labs will store the samples for a period of ninety (90) days before discarding. A shipping or handling fee may be assessed for the return of any samples.
### Polarized Light Asbestiform Materials Characterization

**Customer Info:**

**Attn:** Ioannis Petikas  
**SEMS, Inc**  
11628 S Choctaw Drive  
Baton Rouge, LA 70815  

**Phone #:** 225-924-2002  
**Fax #:** 225-924-2004  

**Customer Project:** Lafayette Connector  
400 Mudd Ave.  

**CA Labs Project #:** CBR21107063  

**Date:** 10/14/2021  
**Turnaround Time:** 24 hr  
**Samples Received:** 10/13/2021  
**Date Of Sampling:** 10/13/2021  
**Purchase Order #:** 533-0032

<table>
<thead>
<tr>
<th>Sample #</th>
<th>Comment</th>
<th>Layer #</th>
<th>Analysts Physical Description of Subsample</th>
<th>Homogeneous (Y/N)</th>
<th>Asbestos type / calibrated visual estimate percent</th>
<th>Non-asbestos fiber type / percent</th>
<th>Non-fibrous type / percent</th>
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<tr>
<td>OO-21-286-001</td>
<td>001-1</td>
<td>Black Shingle</td>
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<td>15% fg</td>
<td>85% qu, bi</td>
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<tr>
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<td>85% qu, bi</td>
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<tr>
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<td>85% qu, bi</td>
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<td>15% fg</td>
<td>85% qu, bi</td>
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</tbody>
</table>

**Analysis Method:** Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)  
**Preparation Method:** HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

---

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers  
2. Fire Damage no significant fiber damages effecting fibrous percentages  
3. Actinolite in association with Vermiculite  
4. Layer not analyzed - attached to previous positive layer and contamination is suspected  
5. Not enough sample to analyze  
6. Anthophyllite in association with Fibrous Talc  
7. Contamination suspected from other building materials  
8. Favorable scenario for water separation on vermiculite for possible analysis by another method  
9. < 1%: Result point counted positive  
10. TEM analysis suggested

**Approved Signatories:**  
Zo Andriampenomanana  
Senior Analyst  
Alicia Stretz  
Laboratory Director  
Chris Williams
Polarized Light Asbestiform Materials Characterization

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<th>Non-fibrous type / percent</th>
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<td>Tape</td>
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<td>None Detected</td>
<td></td>
<td>100% qu, mi, ca</td>
<td></td>
<td></td>
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<tr>
<td>004-3</td>
<td></td>
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<td></td>
<td>10% ce</td>
<td>90% qu, gy</td>
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<tr>
<td>OO-21-286-005</td>
<td>White Drywall with Paper</td>
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<td>None Detected</td>
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<td>005-1</td>
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<tr>
<td>005-2</td>
<td>Tape</td>
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<td>None Detected</td>
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<tr>
<td>005-3</td>
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<td>90% qu, gy</td>
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<td>None Detected</td>
<td></td>
<td>100% qu, mi, ca</td>
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</table>

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

Approved Signatories:
- Zo Andriampenomanana, Analyst
- Alicia Stretz, Senior Analyst
- Chris Williams, Laboratory Director

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
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5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested
## Polarized Light Asbestiform Materials Characterization

### Customer Info
- **Attorney:** Ioannis Petikas
- **Address:** 11628 S Choctaw Drive
  - Baton Rouge, LA 70815
- **Phone:** 225-924-2002
- **Fax:** 225-924-2004

### Customer Project
- **Project:** Lafayette Connector
  - 400 Mudd Ave.
  - Date: 10/14/2021
  - Turnaround Time: 24 hr
  - Samples Received: 10/13/2021
  - Date Of Sampling: 10/13/2021

### CA Labs Project #
- **Project #:** CBR21107063
- **Order #:** 533-0032

### Sampling Information

<table>
<thead>
<tr>
<th>Sample #</th>
<th>Comment</th>
<th>Layer #</th>
<th>Analysts Physical Description of Subsample</th>
<th>Homogeneous (Y/N)</th>
<th>Asbestos Type / Calibrated Visual Estimate Percent</th>
<th>Non-asbestos Fiber Type / Percent</th>
<th>Non-fibrous Type / Percent</th>
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<tbody>
<tr>
<td>006-3</td>
<td>White Drywall with Paper</td>
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<td>10% ce</td>
<td>90% qu, gy</td>
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<tr>
<td>007-1</td>
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<td>100% qu, bi</td>
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### Analysis Method
- **Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)**
- **Preparation Method:** HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

### Approved Signatories
- **Zo Andriampenomanana**
  - Analyst
  - CA Labs Project #:
  - 006-2
  - 007-1
  - 008-1
  - 009-1
  - 009-2

- **Alicia Stretz**
  - Senior Analyst
  - CA Labs Project #:
  - 006-2
  - 007-1
  - 008-1
  - 009-1
  - 009-2

- **Chris Williams**
  - Laboratory Director
  - CA Labs Project #:
  - 006-2
  - 007-1
  - 008-1
  - 009-1
  - 009-2

---

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages affecting fibrous percentages
3. Actinolite in association with Vermiculite
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7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested
## Polarized Light Asbestiform Materials Characterization

### Customer Info:
**Attn:** Ioannis Petikas  
**SEMS, Inc**  
11628 S Choctaw Drive  
Baton Rouge, LA 70815  
**Phone:** 225-924-2002  
**Fax:** 225-924-2004

### Customer Project:
**Lafayette Connector**  
400 Mudd Ave.

### CA Labs Project #:
CBR21107063

### Turnaround Time:
24 hr

### Date:
10/14/2021

### Samples Received:
10/13/2021

### Purchase Order #:
533-0032

### Analysis Method:
Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)

### Preparation Method:
HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / beck line method.

### Approved Signatories:
- **Zo Andriampenomanana**  
  Analyst
- **Alicia Stretz**  
  Senior Analyst
- **Chris Williams**  
  Laboratory Director

### Sample Details:
<table>
<thead>
<tr>
<th>Sample #</th>
<th>Component</th>
<th>Layer #</th>
<th>Analysts Physical Description of Subsample</th>
<th>Homogeneous (Y/N)</th>
<th>Asbestos type / calibrated visual estimate percent</th>
<th>Non-asbestos fiber type / percent</th>
<th>Non-fibrous type / percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>OO-21-286-010</td>
<td>010-1</td>
<td>Gray Floor Tile</td>
<td>Y None Detected</td>
<td>100% qu, ma, ca</td>
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<td>100% qu, bi</td>
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<tr>
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<td>013-1</td>
<td>White Surfacing</td>
<td>Y None Detected</td>
<td>100% qu, bi, ca</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

---

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
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<th>Non-asbestos fiber type / percent</th>
<th>Non-fibrous type / percent</th>
</tr>
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<tbody>
<tr>
<td>013-2</td>
<td>Tan Ceiling Tile</td>
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<td>80% ce</td>
<td>20% qu, ma, pe</td>
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<td>None Detected</td>
<td>80% ce</td>
<td>20% qu, ma, pe</td>
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<td>015-2</td>
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<td>80% ce</td>
<td>20% qu, ma, pe</td>
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<td>016-2</td>
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<td>None Detected</td>
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</tr>
</tbody>
</table>

**Analysis Method:** Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)

**Preparation Method:** HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

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**Approved Signatories:**

- Zo Andriampenomanana
- Senior Analyst
- Agricultural Stretz
- Laboratory Director
- Chris Williams
Polarized Light Asbestiform Materials Characterization

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<th>Non-fibrous type / percent</th>
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<td>Y</td>
<td>None Detected</td>
<td>100% qu, pe, bi</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>017-2</td>
<td>Brown Ceiling Tile</td>
<td>Y</td>
<td>None Detected</td>
<td>100% ce</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OO-21-286-018</td>
<td>018-1</td>
<td>White Surfacing</td>
<td>Y</td>
<td>None Detected</td>
<td>100% qu, pe, bi</td>
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<td></td>
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<tr>
<td></td>
<td>018-2</td>
<td>Brown Ceiling Tile</td>
<td>Y</td>
<td>None Detected</td>
<td>100% ce</td>
<td></td>
<td></td>
</tr>
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Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

Approved Signatories:

Zo Andriampenomanana
Analyst

Alicia Stretz
Senior Analyst

Chris Williams
Laboratory Director
Chain of Custody

Client Name: SENS, Inc.
Client Address: 1725 N. Hearne Ave. Building F
                Shreveport, LA 71107
phone number: 318-799-0763
fax number: 225-924-2004
Project Number: 533-0032

CA Labs Job # CBR 2110713
Billing Address: SENS, Inc.
                11628 S. Choctaw Drive
                Baton Rouge, LA 70815
                225-924-2002
Send Reports to: Project Name: 475 Sampson Ave.
Reports Results VIA: EMAIL X FAX VERBAL

Total # Samples Submitted: 12 Total # Samples to be Analyzed: 12
Material Matrix:
Air / Bulk Water

Asbestos:
please call ahead for availability of all rush and/or after hours samples.

<table>
<thead>
<tr>
<th>TEM</th>
<th>TA Time</th>
<th>PLM</th>
<th>TA Time</th>
<th>Optical / IAQ</th>
<th>TA Time</th>
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<tbody>
<tr>
<td>Circle analysis and TA time</td>
<td></td>
<td>Circle analysis and TA time</td>
<td>2 hour</td>
<td>Allergen Particle: 2 hour</td>
<td></td>
</tr>
<tr>
<td>AHERA</td>
<td>4 hour</td>
<td>Improved</td>
<td>4 hour</td>
<td>VTL</td>
<td>4 hour</td>
</tr>
<tr>
<td>EPA Level II</td>
<td>8 hour</td>
<td>Interim</td>
<td>8 hour</td>
<td>Cyclex-d cassettes 8 hour</td>
<td></td>
</tr>
<tr>
<td>Drinking Water</td>
<td>16 hour</td>
<td>16 hour</td>
<td>16 hour</td>
<td>Air-o-cell cassettes 16 hour</td>
<td></td>
</tr>
<tr>
<td>Wipe</td>
<td>24 hour</td>
<td>AHERA 24 hour</td>
<td></td>
<td>Anderson cultures 24 hour</td>
<td></td>
</tr>
<tr>
<td>Micro-vac</td>
<td>2 days</td>
<td>Point Count - (NESHAPS)</td>
<td>5 days</td>
<td>PCM: NIOSH 7400 5-10 days</td>
<td></td>
</tr>
<tr>
<td>NIOSH 7402</td>
<td>3 days</td>
<td></td>
<td>3 days</td>
<td>Bacteria cultures 3 days</td>
<td></td>
</tr>
<tr>
<td>Chatfield Bulk</td>
<td>5 days</td>
<td></td>
<td>5 days</td>
<td>Wastewater 5 days</td>
<td>6-10 days</td>
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</table>

Lead:
Circle analysis and TA time

Matrix:
Paint Chips Soil Air Wipes Wastewater TCLP
TA Time: 8 hour 1 day 2 days 3 days 5 days 6-10 days

Sample Information:

<table>
<thead>
<tr>
<th>Sample Number:</th>
<th>Sample Location:</th>
<th>Sample Date/Time:</th>
<th>Sample Volume (L)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
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<tr>
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</tbody>
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Sample Information:

Sample Number: Sample Location: Sample Date/Time: Sample Volume (L)

<table>
<thead>
<tr>
<th>Sample Number:</th>
<th>Sample Location:</th>
<th>Sample Date/Time:</th>
<th>Sample Volume (L)</th>
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<tbody>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Date: 3/12/01

Custody Information:
Samples relinquished: 10/14/01 17:10
Signature / Date / Time
Samples received: 10/15/01 8:00 AM
Signature / Date / Time
Samples relinquished:  
Signature / Date / Time
Samples received:  
Signature / Date / Time
<table>
<thead>
<tr>
<th>Location</th>
<th>Category</th>
<th>Material Description</th>
<th>Facility ID</th>
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</thead>
<tbody>
<tr>
<td>Aisle 1</td>
<td>Category</td>
<td>Assessor</td>
<td>Assessment</td>
</tr>
<tr>
<td>Living Room</td>
<td>South</td>
<td>East</td>
<td>Location</td>
</tr>
<tr>
<td>Kitchen North</td>
<td>West</td>
<td>East</td>
<td>Location</td>
</tr>
<tr>
<td>B-Refuse</td>
<td>Center</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outside Bonan</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Analysis and Method

Summary of polarizing light microscopy (PLM / Stereomicroscopy bulk asbestos analysis) using the methods described in 40CFR Part 763 Appendix E to Subpart E (Interim and EPA 600 / R-93 / 116 (Improved). The sample is first viewed with the aid of stereomicroscopy. Numerous liquid slide preparations are created for analysis under the polarized microscope where identifications and quantifications are performed. Calibrated liquid refractive oils are used as liquid mounting medium. These oils are used for identification (dispersion staining). A calibrated visual estimation is reported, should any asbestiform mineral be present. Other techniques such as acid washing are used in conjunction with refractive oils for detection of smaller quantities of asbestos. All asbestos percentages are based on calibrated visual estimation traceable to NIST standards for regulated of asbestos. Traceability to measurement and calibration is achieved by using known amounts and types of asbestos from standards where analyst and laboratory accuracy are measured. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 0.50% (well above the laboratory definition of trace).

Discussion

Vermiculite containing samples may have trace amounts of actinolite-tremolite, where not found be PLM should be analyzed using TEM methods and/or water separation techniques. Suspected actinolite/vermiculite presence will be indicated through the sample comment section of this report.

Fibrous talc containing samples may even contain a related asbestos fiber known as anthophyllite. Under certain conditions the same fiber may actually contain both talc and anthophyllite (a phenomenon called intergrowth). Again, TEM detection methods are recommended. CA Labs PLM report comments will denote suspected amounts of asbestiform anthophyllite with talc, where further analysis is recommended.

Some samples (floor tiles, surfacings, etc.) may contain fibers too small to be detectable by PLM analysis and should be analyzed by TEM bulk protocols.

A "trace asbestos" will be reported if the analyst observes far less than 1% asbestos. CA Labs defines "trace asbestos" as a few fibers detected by the analyst in several preparations and will indicate as such under these circumstances.

Quantification of <1% will actually be reported as <=1% (allowable variance close to 1% is high). Such results are ideal for point counting, and the technique is mandatory for friable samples (NESHAP, Nov. 1990 and clarification letter 8 May 1991) under 1% percent asbestos and the "trace asbestos". In order to make all initial PLM reports issued from CA Labs NESHAP compliant, all <1% asbestos results (except floor tiles) will be point counted at no additional charge.

Qualifications

CA Labs is accredited by the National Voluntary Accreditation Program (NVLAP) for selected test methods for airborne fiber analysis (TEM), and for bulk asbestos fiber analysis (PLM). All analysts have a college degree in a natural science (geology, biology, or environmental science) or are recognized by a state professional board in one these disciplines. Extensive in-house training programs are used to augment education background of the analyst. The group leader of polarized light has received supplemental McCrone Research training for asbestos identification. This report is not covered by the scope of AIHA accreditation. Analysis performed at CA Labs, LLC 12232 Industriplex, Suite 32 Baton Rouge, LA 70809.
Overview of Project Sample Material Containing Asbestos

Customer Project: 425 Sampson Ave
CA Labs Project #: CBR21107113

No Asbestos Detected.

Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

- ca - carbonate
- gypsum - gypsum
- bi - binder
- or - organic
- ma - matrix
- mi - mica
- ve - vermiculite
- ot - other
- pe - perlite
- qu - quartz
- fg - fiberglass
- mw - mineral wool
- wo - wollastonite
- ta - talc
- sy - synthetic
- ce - cellulose
- br - brucite
- ka - kaolin (clay)

This report relates to the items tested. This report is not to be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST, AIHA LAP, LLC, or any other agency of the federal government. This report may not be reproduced except in full without written permission from CA Labs. These results are submitted pursuant to CA Labs' current terms and sale, condition of sale, including the company's standard warranty and limitations of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, CA Labs will store the samples for a period of ninety (90) days before discarding. A shipping or handling fee may be assessed for the return of any samples.
Polarized Light Asbestiform Materials Characterization

Customer Info: Attn: Ioannis Petikas
SEMS, Inc
11628 S Choctaw Drive
Baton Rouge, LA 70815
Phone # 225-924-2002
Fax # 225-924-2004

Customer Project: 425 Sampson Ave
CA Labs Project #: CBR21107113

Turnaround Time: 24 Hours
Date: 10/18/2021
Samples Received: 10/15/2021
Date Of Sampling: 10/14/2021
Purchase Order #: 533-0032

<table>
<thead>
<tr>
<th>Sample #</th>
<th>Comment</th>
<th>Layer #</th>
<th>Analysts Physical Description of Subsample</th>
<th>Homogeneous (Y/N)</th>
<th>Asbestos type / calibrated visual estimate percent</th>
<th>Non-asbestos fiber type / percent</th>
<th>Non-fibrous type / percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>SA-21-287-001</td>
<td>Y</td>
<td>None Detected</td>
<td>100% qu,ma,bi</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SA-21-287-002</td>
<td>Y</td>
<td>None Detected</td>
<td>10% fg, 40% ce, 50% qu,pe,ma</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SA-21-287-003</td>
<td>Y</td>
<td>None Detected</td>
<td>100% qu,ma,bi</td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>SA-21-287-004</td>
<td>N</td>
<td>None Detected</td>
<td>100% qu,mi,bi,ca</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-181111
LELAP #03069

SEMS, Inc
425 Sampson Ave
CBR21107113

CA Labs Project #: CBR21107113

John Grout
Senior Analyst
Chris Williams

Approved Signatories:

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1%. Result point counted positive
10. TEM analysis suggested
# Polarized Light Asbestiform Materials Characterization

**Customer Info:**

<table>
<thead>
<tr>
<th>Customer Project:</th>
<th>CA Labs Project #:</th>
</tr>
</thead>
<tbody>
<tr>
<td>425 Sampson Ave</td>
<td>CBR21107113</td>
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**Date:**

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<th>Date Of Sampling:</th>
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<tr>
<td>10/14/2021</td>
<td>533-0032</td>
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**Homogeneous (Y/N):**

<table>
<thead>
<tr>
<th>Subsample</th>
<th>Asbestos type / calibrated visual estimate percent</th>
<th>Non-asbestos fiber type / percent</th>
<th>Non-fibrous type / percent</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Sample #</th>
<th>Comment</th>
<th>Layer #</th>
<th>Analysts Physical Description of Subsample</th>
<th>Homogeneous (Y/N)</th>
<th>Asbestos type / calibrated visual estimate percent</th>
<th>Non-asbestos fiber type / percent</th>
<th>Non-fibrous type / percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>004-2</td>
<td>None Detected</td>
<td>10% ce</td>
<td>90% qu,gy</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>005-2</td>
<td>None Detected</td>
<td>10% ce</td>
<td>90% qu,gy</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>006-2</td>
<td>None Detected</td>
<td>10% ce</td>
<td>90% qu,gy</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>007-1</td>
<td>None Detected</td>
<td>3% fg</td>
<td>87% qu,ma,ca</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>007-2</td>
<td>None Detected</td>
<td>10% ce</td>
<td>100% qu,bi</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**Analysis Method:** Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)

**Preparation Method:** HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

**Approved Signatories:**

- John Grout, Senior Analyst
- Alicia Stretz, Laboratory Director
- Chris Williams, Laboratory Director

---

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7. Contamination suspected from other building materials
8. Favorable scenario for water separation on Vermiculite for possible analysis by another method
9. < 1%. Result point counted positive
10. TEM analysis suggested
Polarized Light Asbestiform Materials Characterization

Customer Info: Attn: Ioannis Petikas
SEMS, Inc
11628 S Choctaw Drive
Baton Rouge, LA 70815

Phone #: 225-924-2002
Fax #: 225-924-2004

Customer Project: CA Labs Project #:
425 Sampson Ave
CBR21107113

Turnaround Time: Date: Samples Received:
24 Hours 10/18/2021 10/15/2021
Date Of Sampling: 10/14/2021
Purchase Order #: 533-0032

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<tr>
<th>Sample #</th>
<th>Comment</th>
<th>Layer #</th>
<th>Analysts Physical Description of Subsample</th>
<th>Homogeneous (Y/N)</th>
<th>Asbestos type / calibrated visual estimate percent</th>
<th>Non-asbestos fiber type / percent</th>
<th>Non-fibrous type / percent</th>
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<tbody>
<tr>
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<td>Y</td>
<td>None Detected</td>
<td>3% fg</td>
<td>10% ce</td>
<td>87% qu,ma,ca</td>
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<tr>
<td>SA-21-287-009</td>
<td>Y</td>
<td>None Detected</td>
<td>3% fg</td>
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<tr>
<td>SA-21-287-010</td>
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<td>10% ce</td>
<td>85% qu,ma,ca</td>
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<tr>
<td>SA-21-287-011</td>
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<td>None Detected</td>
<td>5% fg</td>
<td>10% ce</td>
<td>85% qu,ma,ca</td>
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<td></td>
</tr>
</tbody>
</table>

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

Approved Signatories:

John Grout
Senior Analyst
Alicia Stretz
Laboratory Director

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

SEMS, Inc
11628 S Choctaw Drive
Baton Rouge, LA 70815
Phone 225-924-2002
Fax 225-924-2004

Approved Signatories:

John Grout
Senior Analyst
Alicia Stretz
Laboratory Director

CA Labs Project #: CBR21107113

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1%. Result point counted positive
10. TEM analysis suggested
Polarized Light Asbestiform Materials Characterization

Customer Info:          Customer Project:          CA Labs Project #:        
SEIMS, Inc             425 Sampson Ave           CBR21107113
11628 S Choctaw Drive  
Baton Rouge, LA 70815  

Phone # 225-924-2002   Fax # 225-924-2004  

Asbestos type /   Non-asbestos fiber   Non-fibrous type   
 calibrated visual type / percent percent percent
Percent Estimate

<table>
<thead>
<tr>
<th>Sample #</th>
<th>Comment</th>
<th>Layer #</th>
<th>Analysts Physical Description of Subsample</th>
<th>Homogeneous (Y/N)</th>
<th>Asbestos type / calibrated visual estimate percent</th>
<th>Non-asbestos fiber type / percent</th>
<th>Non-fibrous type / percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>011-2</td>
<td>Y</td>
<td></td>
<td>Yellow Mastic</td>
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<td>None Detected</td>
<td>100% qu,bi</td>
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<tr>
<td>SA-21-287-012</td>
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<td></td>
<td>Green Linoleum</td>
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<td>None Detected</td>
<td>5% fg</td>
<td>85% qu,ma,ca</td>
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<tr>
<td>012-2</td>
<td>Y</td>
<td></td>
<td>Yellow Mastic</td>
<td></td>
<td>None Detected</td>
<td>100% qu,bi</td>
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<tr>
<td>012-3</td>
<td>Y</td>
<td></td>
<td>Gray Linoleum</td>
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<td>85% qu,ma,ca</td>
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<tr>
<td>012-4</td>
<td>Y</td>
<td></td>
<td>Yellow Mastic</td>
<td></td>
<td>None Detected</td>
<td>100% qu,bi</td>
<td></td>
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</tbody>
</table>

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

Approved Signatories:

John Grout, Senior Analyst  
Alicia Stretz, Laboratory Director  
Chris Williams, Laboratory Director

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7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested
APPENDIX C
SAMPLE LOCATION DRAWINGS
OBSERVED MATERIALS

<table>
<thead>
<tr>
<th>Flooring</th>
<th>Ceiling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carpet</td>
<td>Ceiling Tile</td>
</tr>
<tr>
<td>Ceiling Tile</td>
<td>Carpet</td>
</tr>
<tr>
<td>Linoleum (Positive)</td>
<td>Ceiling Tile</td>
</tr>
<tr>
<td>Carpet</td>
<td>Ceiling Tile</td>
</tr>
<tr>
<td>Linoleum (Negative)</td>
<td>Carpet</td>
</tr>
<tr>
<td>Ceiling Tile</td>
<td>Linoleum (Negative)</td>
</tr>
</tbody>
</table>
400 Mudd Ave.

Sample Locations

00-21-286-???
Negative for Asbestos

00-21-286-???
Positive for Asbestos

NOTE: No Asbestos Containing Materials found on this Inspection.

400 Mudd Avenue
Lafayette, LA 70501
OBSERVED MATERIALS

Flooring
Ceiling

425 Sampson
Lafayette, LA 70501

Master
Ceiling Tile
Laminate

Wood
Laminate

Wood
Laminate

Bed 1

Living

Wood
Laminate over
Linoleum

Wood
Laminate

Laminate over
Linoleum

Wood
Laminate

Laminate

Wood
Laminate

Laminate

Wood
Linoleum

Laminate

Wood
Laminate

533-0032
Sample Locations

00-21-286-??? Negative for Asbestos
00-21-286-??? Positive for Asbestos

NOTE: No Asbestos Containing Materials found on this Inspection.

425 Sampson
Lafayette, LA 70501

DOTD LAFAYETTE CONNECTOR

425 Sampson
Lafayette, LA 70501

Project No: 533-0032
Checked By
GC 10-19-21
Approved By

Rev. #: Date:
Rev. #: Date:

10-19-21

SEMS Inc.
APPENDIX D
CERTIFICATION
NAME: Austin Leopold
CERT: Inspector
ACCREDITATION #:21189864
VALID: 8/26/2021 - 9/28/2022
CERT: Contractor/Supervisor
ACCREDITATION #:2S189864
VALID: 8/26/2021 - 9/21/2022
AI #: 189864   MD