



SIERRA ENVIRONMENTAL GROUP, INC.

September 22, 2015

Mr. Dennis Zimmer
City of Dayton
Department of Building Services/Division of Housing Inspection
P.O. Box 22
371 West 2nd Street, Room 324
Dayton, OH 45402

Re: Comprehensive Pre-Demolition Asbestos Inspection
Vacant Residence
1165 Linda Vista Avenue
Dayton, Ohio 45405
Sierra Project Number: MCLB.001

Dear Mr. Zimmer:

On September 10, 2015, Mr. Chuck Callahan and Mr. Todd Taylor (Ohio Department of Health Certified Asbestos Hazard Evaluation Specialists #ES31960, #ES32139 respectively) of Sierra Environmental Group, Inc. (Sierra) visited the vacant residence located at 1165 Linda Vista Avenue in Dayton, Ohio. The purpose of this visit was to conduct a comprehensive asbestos inspection of the specified residence scheduled for demolition. This inspection process includes a visual inspection, as well as, the collection and analyses of samples from suspect asbestos-containing materials.

During the survey, the samples were collected utilizing sampling methods outlined in current EPA Guidance Documents. Each sample was collected and placed in a clean, sealable container and labeled with a unique sample identification number. Pertinent information was recorded on a Bulk Sample Log Sheet, including sample identification number, date of inspection, name of inspector, building name, a brief description and location of the sample, and the type of material sampled (e.g., thermal insulation, fireproofing, acoustical plaster). The samples were submitted to an analytical laboratory and analyzed for asbestos content by polarized-light microscopy (PLM) and dispersion staining (Method Reference: EPA-600/R-93/116). This analytical method, which the EPA currently recommends for the determination of asbestos in bulk samples of suspect materials, can be used for qualitative identification of six morphologically different types of asbestos fibers: chrysotile, amosite, crocidolite, anthophyllite, tremolite, and actinolite asbestos.

The method specifies that the asbestos content in a bulk sample shall be estimated and reported as a finite percentage (rounded to the nearest percentage) within the range of 0 to 100. The result of the bulk sample analysis is reported in a standard written laboratory report. This report includes the client's name, the project number, the laboratory identification number, the sample number assigned to the bulk sample upon receipt at the laboratory, and the field number assigned to the bulk sample upon collection on site. If the bulk sample contains more than one distinct layer of material, each layer is analyzed separately. The composition of the bulk sample is reported in percentages of asbestos (i.e., chrysotile, amosite, or other) and non-asbestos (i.e., cellulose, fiberglass, or other) components. The results of the sample analyses can be found on the laboratory report enclosed and Table 1.

Sierra collected samples from wall and ceiling systems, flooring materials, roofing materials, window glaze, heat shield, blown-in insulation and duct insulation. Three (3) asbestos-containing materials were identified within the residence scheduled for demolition (Table -2 Asbestos Inventory). The cost to remove the Regulated Asbestos-Containing Materials (RACM) from this site prior to demolition would be \$34,210.00. These costs have been estimated and are based on local wage rates and do not include prevailing wage rates. These costs do not include specifications, permits, contractor oversight or third party monitoring.

Sierra made every effort to locate suspect asbestos-containing materials that may be concealed; however, suspect asbestos-containing materials which may be located behind hard plaster walls or ceilings, hard walled chases, under flooring or sub-

flooring, under building contents, etc., were not assessed or quantified. If through demolition suspect materials are discovered that were not sampled during the initial site visit; Sierra should be notified to document any additional samples that may be required and handled accordingly.

This report is prepared to assist the Montgomery County Land Reutilization Corporation, City of Dayton, construction managers and asbestos abatement contractors in locating asbestos-containing materials. This report is not intended as a bidding document or project specifications.

Enclosed are the following Sierra documents: 1) Table 1-Bulk Sample Data Summary; 2) Table 2-Asbestos Inventory; 3) Table 3-Cost Estimate; 4) Laboratory Report; 5) Site Photographs; 6) Inspector's Certification. If we can be of further assistance on this or any other project, do not hesitate to call us at (513) 542-5323.

Sincerely,

SIERRA ENVIRONMENTAL GROUP, INC.



Todd Taylor
Operations Manager

Attachments



TABLE 1: BULK SAMPLE DATA SUMMARY

| SAMPLE DESCRIPTION (Material Type) | SAMPLE LOCATION | HOMO AREA # | SAMPLE I.D. NO. | ASBESTOS CONTENT | FRIABLE/ NONFRIABLE |
|---|------------------------|--------------------|------------------------|-------------------------|--------------------------------|
| The following samples were collected from the vacant residence located at 1165 Linda Vista Avenue, Dayton, Ohio. | | | | | |
| Skim coat of hard wall plaster (Surfacing, >5,000 sf) | Bedroom #1 | 1 | 1-1 | None Detected | Nonfriable |
| Skim coat of hard ceiling plaster (Surfacing, >5,000 sf) | Bedroom #1 | 1 | 1-2 | None Detected | Nonfriable |
| Skim coat of hard wall plaster (Surfacing, >5,000 sf) | Bathroom, 1st floor | 1 | 1-3 | None Detected | Nonfriable |
| Skim coat of hard ceiling plaster (Surfacing, >5,000 sf) | Bathroom, 1st floor | 1 | 1-4 | None Detected | Nonfriable |
| Skim coat of hard wall plaster (Surfacing, >5,000 sf) | Basement stairwell | 1 | 1-5 | None Detected | Nonfriable |
| Skim coat of hard ceiling plaster (Surfacing, >5,000 sf) | Basement stairwell | 1 | 1-6 | None Detected | Nonfriable |
| Skim coat of hard wall plaster (Surfacing, >5,000 sf) | Kitchen | 1 | 1-7 | None Detected | Nonfriable |
| Brown coat of hard wall plaster (Surfacing, >5,000 sf) | Bedroom #1 | 2 | 2-1 | None Detected | Nonfriable |
| Brown coat of hard ceiling plaster (Surfacing, >5,000 sf) | Bedroom #1 | 2 | 2-2 | *1.1% Chrysotile | Nonfriable |
| Brown coat of hard wall plaster (Surfacing, >5,000 sf) | Bathroom, 1st floor | 2 | 2-3 | Stopped Analysis | Nonfriable |
| Brown coat of hard ceiling plaster (Surfacing, >5,000 sf) | Bathroom, 1st floor | 2 | 2-4 | Stopped Analysis | Nonfriable |
| Brown coat of hard wall plaster (Surfacing, >5,000 sf) | Basement stairwell | 2 | 2-5 | Stopped Analysis | Nonfriable |
| Brown coat of hard ceiling plaster (Surfacing, >5,000 sf) | Basement stairwell | 2 | 2-6 | Stopped Analysis | Nonfriable |
| Brown coat of hard wall plaster (Surfacing, >5,000 sf) | Kitchen | 2 | 2-7 | Stopped Analysis | Nonfriable |
| Textured ceiling (Surfacing, <5,000 sf) | Living room | 3 | 3-1 | None Detected | Nonfriable |
| Textured wall (Surfacing, <5,000 sf) | Living room | 3 | 3-2 | None Detected | Nonfriable |
| Textured ceiling (Surfacing, <5,000 sf) | Dining room | 3 | 3-3 | None Detected | Nonfriable |

Table 1-1

TABLE 1: BULK SAMPLE DATA SUMMARY

| SAMPLE DESCRIPTION (Material Type) | SAMPLE LOCATION | HOMO AREA # | SAMPLE I.D. NO. | ASBESTOS CONTENT | FRIABLE/ NONFRIABLE |
|---|------------------------|--------------------|------------------------|---------------------------------|--------------------------------|
| Textured wall (Surfacing, <5,000 sf) | Dining room | 3 | 3-4 | None Detected | Nonfriable |
| Textured wall (Surfacing, <5,000 sf) | Hallway | 3 | 3-5 | None Detected | Nonfriable |
| Drywall (Miscellaneous) | Kitchen | 4 | 4-1 | None Detected | Nonfriable |
| Drywall (Miscellaneous) | Bedroom #2 | 4 | 4-2 | None Detected | Nonfriable |
| Joint compound (Miscellaneous) | Kitchen | 5 | 5-1 | None Detected | Nonfriable |
| Joint compound (Miscellaneous) | Bedroom #2 | 5 | 5-2 | None Detected | Nonfriable |
| Window glaze (Miscellaneous) | Dining room | 6 | 6-1 | None Detected | Friable |
| Window glaze (Miscellaneous) | Living room | 6 | 6-2 | None Detected | Friable |
| Duct insulation (Thermal System Insulation) | Basement | 7 | 7-1 | 80% Chrysotile | Friable |
| Heat shield (Thermal System Insulation) | Basement | 8 | 8-1 | 50% Amosite & 10% Chrysotile | Friable |
| Green sheet flooring (Miscellaneous) | Bathroom, 2nd floor | 9 | 9-1 | None Detected | Nonfriable |
| Green sheet flooring (Miscellaneous) | Bathroom, 2nd floor | 9 | 9-2 | None Detected | Nonfriable |
| Brown sheet flooring (Miscellaneous) | Rear room, 2nd floor | 10 | 10-1 | None Detected | Nonfriable |
| Brown sheet flooring (Miscellaneous) | Rear room, 2nd floor | 10 | 10-2 | None Detected | Nonfriable |
| White blown-in insulation (Miscellaneous) | Attic | 11 | 11-1 | None Detected | Friable |
| White blown-in insulation (Miscellaneous) | Attic | 11 | 11-2 | None Detected | Friable |
| Black and white asphalt roof shingle (Miscellaneous) | Exterior | 12 | 12-1 | None Detected | Nonfriable |

Table 1-2

TABLE 1: BULK SAMPLE DATA SUMMARY

| SAMPLE DESCRIPTION (Material Type) | SAMPLE LOCATION | HOMO AREA # | SAMPLE I.D. NO. | ASBESTOS CONTENT | FRIABLE/ NONFRIABLE |
|---|------------------------|--------------------|------------------------|-------------------------|--------------------------------|
| Black and white asphalt roof shingle (Miscellaneous) | Exterior | 12 | 12-2 | None Detected | Nonfriable |
| Window glaze (Miscellaneous) | Basement | 13 | 13-1 | None Detected | Friable |
| Window glaze (Miscellaneous) | Basement | 13 | 13-2 | None Detected | Friable |
| Brown sheet flooring (Miscellaneous) | Basement rear room | 14 | 14-1 | None Detected | Nonfriable |
| Brown sheet flooring (Miscellaneous) | Basement rear room | 14 | 14-2 | None Detected | Nonfriable |

*Quantified By PLM Point Count Method

TABLE 2 - ASBESTOS INVENTORY

| Location | Type ACM | Material Description | Amt. of Material (approx.) |
|----------|----------|----------------------|----------------------------|
|----------|----------|----------------------|----------------------------|

The following asbestos-containing materials are located in the vacant residence located at 1165 Linda Vista Avenue, Dayton.

| | | | |
|-----------------------|------|---|----------|
| Entire residence | RACM | Hard wall and ceiling plaster | 5,210 sf |
| Basement | RACM | Duct insulation | 30 sf |
| Basement | RACM | Duct insulation debris | 40 sf |
| Basement | RACM | Heat shield | 15 sf |
| Basement to 2nd floor | RACM | Duct insulation (concealed behind hard wall and ceiling plaster) | 50 sf |

Table 2-1

TABLE 3 - COST ESTIMATE

| Location | Type ACM | Material Description | Cost for abatement (approx.) |
|----------|-------------|-------------------------|------------------------------------|
|----------|-------------|-------------------------|------------------------------------|

The following asbestos-containing materials are located in the vacant residence located at 1165 Linda Vista Avenue, Dayton, Ohio.

| | | | |
|-----------------------|------|---|-------------|
| Entire residence | RACM | Hard wall and ceiling plaster | \$31,260.00 |
| Basement | RACM | Duct insulation | \$600.00 |
| Basement | RACM | Duct insulation debris | \$800.00 |
| Basement | RACM | Heat shield | \$300.00 |
| Basement to 2nd floor | RACM | Duct insulation (concealed behind hard wall and ceiling plaster) | \$1,250.00 |

CERTIFICATE OF ANALYSIS

Client: Sierra Environmental Group Inc
1041 Straight Street
Cincinnati OH 45214

Report Date: 9/16/2015
Report No.: 373860
Project: 1165 Linda Vista
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

| | | | | |
|-------------------------|--|--|---------------|-------------------------------|
| Lab No.: 5737318 | Description / Location: Tan Plaster | | | |
| Client No.: 1-1 | | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | None Detected | None Detected | 100 |

| | | | | |
|-------------------------|--|--|---------------|-------------------------------|
| Lab No.: 5737319 | Description / Location: Tan Plaster | | | |
| Client No.: 1-2 | | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | None Detected | None Detected | 100 |

| | | | | |
|-------------------------|--|--|---------------|-------------------------------|
| Lab No.: 5737320 | Description / Location: Tan Plaster | | | |
| Client No.: 1-3 | | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | None Detected | None Detected | 100 |

| | | | | |
|-------------------------|--|--|---------------|-------------------------------|
| Lab No.: 5737321 | Description / Location: Tan Plaster | | | |
| Client No.: 1-4 | | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | None Detected | None Detected | 100 |

Accreditations:

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

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Analytical Method:

US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments:

Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By:

L. Price

Approved By:



Date: 9/16/2015

Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

| | | | |
|----------------|---|---------------------|------------------|
| Client: | Sierra Environmental Group Inc 1041 Straight Street Cincinnati OH 45214 | Report Date: | 9/16/2015 |
| | | Report No.: | 373860 |
| | | Project: | 1165 Linda Vista |
| | | Project No.: | MCLB.001 |

BULK SAMPLE ANALYSIS SUMMARY

| | | | | |
|--------------------|---------------|--|---------------|-------------------------------|
| Lab No.: | 5737322 | Description / Location: | Tan Plaster | |
| Client No.: | 1-5 | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | None Detected | None Detected | 100 |

| | | | | |
|--------------------|---------------|--|---------------|-------------------------------|
| Lab No.: | 5737323 | Description / Location: | Tan Plaster | |
| Client No.: | 1-6 | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | None Detected | None Detected | 100 |

| | | | | |
|--------------------|---------------|--|---------------|-------------------------------|
| Lab No.: | 5737324 | Description / Location: | Tan Plaster | |
| Client No.: | 1-7 | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | None Detected | None Detected | 100 |

| | | | | |
|--------------------|---------------|--|---------------|-------------------------------|
| Lab No.: | 5737325 | Description / Location: | Brown Plaster | |
| Client No.: | 2-1 | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | Trace | Hair | 100 |

Accreditations: NIST-NVLAP No. 101165-0 NY-DOH No. 11021 AIHA-LAP, LLC No. 100188

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy. (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: L. Price

Date: 9/16/2015

CERTIFICATE OF ANALYSIS

Client: Sierra Environmental Group Inc
1041 Straight Street
Cincinnati OH 45214

Report Date: 9/16/2015
Report No.: 373860
Project: 1165 Linda Vista
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

| | | | |
|-------------------------|--|--|-------------|
| Lab No.: 5737326 | Description / Location: Brown Plaster | | |
| Client No.: 2-2 | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> |
| PC 1.1 | Chrysotile | Trace | Hair |
| | | | PC 98.9 |

| | | | |
|-------------------------|--|--|---------------------|
| Lab No.: 5737327 | Description / Location: Sample Not Analyzed | | |
| Client No.: 2-3 | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> |
| | Sample Not Analyzed | | Sample Not Analyzed |

| | | | |
|-------------------------|--|--|---------------------|
| Lab No.: 5737328 | Description / Location: Sample Not Analyzed | | |
| Client No.: 2-4 | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> |
| | Sample Not Analyzed | | Sample Not Analyzed |

| | | | |
|-------------------------|--|--|---------------------|
| Lab No.: 5737329 | Description / Location: Sample Not Analyzed | | |
| Client No.: 2-5 | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> |
| | Sample Not Analyzed | | Sample Not Analyzed |

Accreditations: **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analysis Performed By: L. Price

Date: 9/16/2015

CERTIFICATE OF ANALYSIS

| | | | |
|----------------|---|---------------------|------------------|
| Client: | Sierra Environmental Group Inc 1041 Straight Street Cincinnati OH 45214 | Report Date: | 9/16/2015 |
| | | Report No.: | 373860 |
| | | Project: | 1165 Linda Vista |
| | | Project No.: | MCLB.001 |

BULK SAMPLE ANALYSIS SUMMARY

| | | | | |
|--------------------|---------------------|--|---------------------|-------------------------------|
| Lab No.: | 5737330 | Description / Location: | Sample Not Analyzed | |
| Client No.: | 2-6 | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| | Sample Not Analyzed | | Sample Not Analyzed | |

| | | | | |
|--------------------|---------------------|--|---------------------|-------------------------------|
| Lab No.: | 5737331 | Description / Location: | Sample Not Analyzed | |
| Client No.: | 2-7 | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| | Sample Not Analyzed | | Sample Not Analyzed | |

| | | | | |
|--------------------|---------------|--|---------------|-------------------------------|
| Lab No.: | 5737332 | Description / Location: | White Texture | |
| Client No.: | 3-1 | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | None Detected | None Detected | 100 |

| | | | | |
|--------------------|---------------|--|---------------|-------------------------------|
| Lab No.: | 5737333 | Description / Location: | White Texture | |
| Client No.: | 3-2 | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | None Detected | None Detected | 100 |

Accreditations: **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

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Analysis Performed By: L. Price

Date: 9/16/2015

CERTIFICATE OF ANALYSIS

| | | | |
|----------------|---|---------------------|------------------|
| Client: | Sierra Environmental Group Inc 1041 Straight Street Cincinnati OH 45214 | Report Date: | 9/16/2015 |
| | | Report No.: | 373860 |
| | | Project: | 1165 Linda Vista |
| | | Project No.: | MCLB.001 |

BULK SAMPLE ANALYSIS SUMMARY

| | | | | |
|--------------------|---------------|--|---------------|-------------------------------|
| Lab No.: | 5737334 | Description / Location: | White Texture | |
| Client No.: | 3-3 | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | None Detected | None Detected | 100 |

| | | | | |
|--------------------|---------------|--|---------------|-------------------------------|
| Lab No.: | 5737335 | Description / Location: | White Texture | |
| Client No.: | 3-4 | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | None Detected | None Detected | 100 |

| | | | | |
|--------------------|---------------|--|---------------|-------------------------------|
| Lab No.: | 5737336 | Description / Location: | White Texture | |
| Client No.: | 3-5 | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | None Detected | None Detected | 100 |

| | | | | |
|--------------------|---------------|--|-----------------------|-------------------------------|
| Lab No.: | 5737337 | Description / Location: | White/Brown Sheetrock | |
| Client No.: | 4-1 | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | 12 | Cellulose | 88 |

Accreditations: **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analysis Performed By: L. Price

Date: 9/16/2015

CERTIFICATE OF ANALYSIS

Client: Sierra Environmental Group Inc
1041 Straight Street
Cincinnati OH 45214

Report Date: 9/16/2015
Report No.: 373860
Project: 1165 Linda Vista
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

| | | | | |
|-------------------------|--|--|-------------|-------------------------------|
| Lab No.: 5737338 | Description / Location: White/Brown Sheetrock | | | |
| Client No.: 4-2 | | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | 10 | Cellulose | 90 |

| | | | | |
|-------------------------|---|--|---------------|-------------------------------|
| Lab No.: 5737339 | Description / Location: White Joint Compound | | | |
| Client No.: 5-1 | | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | None Detected | None Detected | 100 |

| | | | | |
|-------------------------|---|--|---------------|-------------------------------|
| Lab No.: 5737340 | Description / Location: White Joint Compound | | | |
| Client No.: 5-2 | | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | None Detected | None Detected | 100 |

| | | | | |
|-------------------------|--|--|---------------|-------------------------------|
| Lab No.: 5737341 | Description / Location: White/Off-White Glazing | | | |
| Client No.: 6-1 | | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | None Detected | None Detected | 100 |

Accreditations: **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy. (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: L. Price

Date: 9/16/2015

CERTIFICATE OF ANALYSIS

| | | | |
|----------------|---|---------------------|------------------|
| Client: | Sierra Environmental Group Inc 1041 Straight Street Cincinnati OH 45214 | Report Date: | 9/16/2015 |
| | | Report No.: | 373860 |
| | | Project: | 1165 Linda Vista |
| | | Project No.: | MCLB.001 |

BULK SAMPLE ANALYSIS SUMMARY

| | | | | |
|--------------------|---------------|--|-------------------------|-------------------------------|
| Lab No.: | 5737342 | Description / Location: | White/Off-White Glazing | |
| Client No.: | 6-2 | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | None Detected | None Detected | 100 |

| | | | | |
|--------------------|-------------|--|------------------|-------------------------------|
| Lab No.: | 5737343 | Description / Location: | White/Green Tape | |
| Client No.: | 7-1 | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| 80 | Chrysotile | None Detected | None Detected | 20 |

| | | | | |
|--------------------|-------------|--|---------------------|-------------------------------|
| Lab No.: | 5737344 | Description / Location: | Grey/White Transite | |
| Client No.: | 8-1 | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| 50 | Amosite | None Detected | None Detected | 40 |
| 10 | Chrysotile | | | |

Accreditations: **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: L. Price

Date: 9/16/2015

CERTIFICATE OF ANALYSIS

| | | | |
|----------------|---|---------------------|------------------|
| Client: | Sierra Environmental Group Inc 1041 Straight Street Cincinnati OH 45214 | Report Date: | 9/16/2015 |
| | | Report No.: | 373860 |
| | | Project: | 1165 Linda Vista |
| | | Project No.: | MCLB.001 |

BULK SAMPLE ANALYSIS SUMMARY

| | | | | |
|--------------------|---------------|--|-------------------------------------|-------------------------------|
| Lab No.: | 5737345 | Description / Location: | Grey/White/Tan Vinyl Sheet Flooring | |
| Client No.: | 9-1 | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | 20 | Cellulose | 80 |

| | | | | |
|--------------------|---------------|--|---------------|-------------------------------|
| Lab No.: | 5737345 | Description / Location: | Yellow Mastic | |
| Client No.: | 9-1 | | | Layer No.: 2 |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | None Detected | None Detected | 100 |

| | | | | |
|--------------------|---------------|--|-------------------------------------|-------------------------------|
| Lab No.: | 5737346 | Description / Location: | Grey/White/Tan Vinyl Sheet Flooring | |
| Client No.: | 9-2 | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | 15 | Cellulose | 85 |

| | | | | |
|--------------------|---------------|--|---------------|-------------------------------|
| Lab No.: | 5737346 | Description / Location: | Yellow Mastic | |
| Client No.: | 9-2 | | | Layer No.: 2 |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | None Detected | None Detected | 100 |

| | | | |
|------------------------|---|-------------------------|---------------------------------|
| Accreditations: | NIST-NVLAP No. 101165-0 | NY-DOH No. 11021 | AIHA-LAP, LLC No. 100188 |
| | <i>This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government This report shall not be reproduced except in full, without written approval of the laboratory.</i> | | |

Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy. (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-fibrous organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: L. Price

Date: 9/16/2015

CERTIFICATE OF ANALYSIS

Client: Sierra Environmental Group Inc
1041 Straight Street
Cincinnati OH 45214

Report Date: 9/16/2015
Report No.: 373860
Project: 1165 Linda Vista
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

| | | | | |
|-------------------------|---|--|-------------|-------------------------------|
| Lab No.: 5737347 | Description / Location: Tan/Black Vinyl Sheet Flooring | | | |
| Client No.: 10-1 | | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | 60 | Cellulose | 40 |

| | | | | |
|-------------------------|---|--|-------------|-------------------------------|
| Lab No.: 5737348 | Description / Location: Tan/Black Vinyl Sheet Flooring | | | |
| Client No.: 10-2 | | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | 60 | Cellulose | 40 |

| | | | | |
|-------------------------|---|--|--------------|-------------------------------|
| Lab No.: 5737349 | Description / Location: White Insulation | | | |
| Client No.: 11-1 | | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | 90 | Mineral Wool | 10 |

| | | | | |
|-------------------------|---|--|--------------|-------------------------------|
| Lab No.: 5737350 | Description / Location: White Insulation | | | |
| Client No.: 11-2 | | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | 85 | Mineral Wool | 15 |

Accreditations: **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: L. Price

Date: 9/16/2015

CERTIFICATE OF ANALYSIS

| | | | |
|----------------|---|---------------------|------------------|
| Client: | Sierra Environmental Group Inc 1041 Straight Street Cincinnati OH 45214 | Report Date: | 9/16/2015 |
| | | Report No.: | 373860 |
| | | Project: | 1165 Linda Vista |
| | | Project No.: | MCLB.001 |

BULK SAMPLE ANALYSIS SUMMARY

| | | | | |
|--------------------|---------------|--|--------------------|-------------------------------|
| Lab No.: | 5737351 | Description / Location: | Grey/Black Shingle | |
| Client No.: | 12-1 | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | 20 | Fibrous Glass | 80 |

| | | | | |
|--------------------|---------------|--|--------------------|-------------------------------|
| Lab No.: | 5737352 | Description / Location: | Grey/Black Shingle | |
| Client No.: | 12-2 | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | 30 | Fibrous Glass | 70 |

| | | | | |
|--------------------|---------------|--|-------------------|-------------------------------|
| Lab No.: | 5737353 | Description / Location: | White/Tan Glazing | |
| Client No.: | 13-1 | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | None Detected | None Detected | 100 |

| | | | | |
|--------------------|---------------|--|-------------------|-------------------------------|
| Lab No.: | 5737354 | Description / Location: | White/Tan Glazing | |
| Client No.: | 13-2 | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | None Detected | None Detected | 100 |

Accreditations: **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: L. Price

Date: 9/16/2015

CERTIFICATE OF ANALYSIS

Client: Sierra Environmental Group Inc
1041 Straight Street
Cincinnati OH 45214

Report Date: 9/16/2015
Report No.: 373860
Project: 1165 Linda Vista
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5737355 **Description / Location:** Tan/Black Vinyl Sheet Flooring
Client No.: 14-1

| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
|-------------------|---------------|--|-------------|-------------------------------|
| None Detected | None Detected | 60 | Cellulose | 40 |

Lab No.: 5737356 **Description / Location:** Tan/Brown/Black Vinyl Sheet Flooring
Client No.: 14-2

| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
|-------------------|---------------|--|-------------|-------------------------------|
| None Detected | None Detected | 60 | Cellulose | 40 |

Accreditations:

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

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Analytical Method:

US EPA 600/R-93/116 by Polarized Light Microscopy. (ELAP 198.1 where applicable)

Comments:

Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By:

L. Price

Date: 9/16/2015

Chain of Custody

-Bulk Asbestos -

| | | |
|---|--|---------------------------------------|
| Contact Information | | Project Number: <u>MCLB.001</u> |
| Client Company: <u>Sierco</u> | Office Address: <u>1041 Straight St.</u> | Project Name: <u>1165 Linda Vista</u> |
| City, State, Zip: <u>Cinc. OH 45214</u> | Fax Number: _____ | Primary Contact: <u>T. Taylor</u> |
| Email Address: <u>tt.sierco@hsc.net</u> | Office Phone: _____ | Cell Phone: _____ |

PLM Instructions:

- PLM: Bulk Asbestos Building Materials EPA 600 R-93/116, 1993
- PLM: Bulk Asbestos Building Materials EPA 600 M-4/82-020, 1982
- PLM: Bulk Asbestos Building Materials NIOSH 9002, 1985
- PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.1, 2002
- PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.6, 2010
- TEM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.4, 2009

| | |
|---|--|
| <ul style="list-style-type: none"> <input type="checkbox"/> PLM: Point Counting <ul style="list-style-type: none"> <input type="checkbox"/> PC: via ELAP 198.1 <input type="checkbox"/> PC: 400 Points <input type="checkbox"/> PC: 800 Points * <input type="checkbox"/> PC: 1600 Points * <input type="checkbox"/> PLM: Instructions for Multi-Layered Samples <ul style="list-style-type: none"> <input type="checkbox"/> Analyze and Report All Separable Layers per EPA 600 <input type="checkbox"/> Report Composite for Drywall Systems per NESHAP <input type="checkbox"/> Report All Layers and Composite Where Applicable <input type="checkbox"/> Only Analyze and Report Specifically Noted Layer | <ul style="list-style-type: none"> <input checked="" type="checkbox"/> PLM: Analyze Until Positive (Positive Stop) <ul style="list-style-type: none"> <input type="checkbox"/> AUP: by Homogenous Area as Noted <input type="checkbox"/> AUP: by Material Type as Noted <input type="checkbox"/> PLM: NOB via 198.6 <ul style="list-style-type: none"> <input type="checkbox"/> PLM: Friable via EPA 600 2.3 <input type="checkbox"/> If <1% by PLM, to TEM via 198.4 * <input type="checkbox"/> If <1% by PLM, Hold for Instructions <input type="checkbox"/> PLM: Non-Building Material *** (Dust, Wipe, Tape) <ul style="list-style-type: none"> <input type="checkbox"/> Soil or Vermiculite Analysis <input type="checkbox"/> CARB 435 |
|---|--|

Special Instructions: _____

* Additional charge and turnaround may be required ** Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory

Turnaround Time

Preliminary Results Requested Date: _____

Verbal Email Fax

10 Day 5 Day 3 Day 2 Day 1 Day* 12 Hour** 6 Hour** RUSH**

* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***

39

Chain of Custody

| | | |
|--|---------------------------|-------------|
| Relinquished (Name/Organization): <u>[Signature]</u> | Date: <u>9-10-15</u> | Time: _____ |
| Received (Name / iATL): _____ | Date: _____ | Time: _____ |
| Sample Login (Name / iATL): _____ | Date: <u>9/15/15</u> | Time: _____ |
| Analysis (Name(s) / iATL): <u>LSP</u> | Date: <u>9-16-15</u> | Time: _____ |
| QA/QC Review (Name / iATL): _____ | Date: <u>9-16-15</u> | Time: _____ |
| Archived / Released: _____ | QA/QC InterLAB Use: _____ | Date: _____ |

Celebrating 25 years...one sample at a time
www.iatl.com

RECEIVED

SEP 11 2015

E-MAILED iATL - BY [Signature]

9/16

Asbestos Chain-of-Custody

~ For Lab Use Only ~

Company Name: Sierra Environmental Group, Inc. Address: 1041 Straight Street City/State/Zip: Cincinnati, OH 45214
 Phone: (513) 542-5323 Fax: () _____ E-mail: tsierra@fuse.net
 Project Name / Testing Address: MCLB, ext-1165 Linda Vista City/State (Required): _____
 Collected by: Todd Taylor Purchase Order Number _____

Turn Around Times : 1 - Day 2 - Day 3 - Day Same Day (Must Call Ahead) Weekend (Must Call Ahead)

If no TAT is specified, sample(s) will be processed and charged as 3-day TAT.

| No. | Client Sample ID | Date Collected | ASBESTOS | | | | | | AIR | | | Volume (Total Liters) | COMMENTS |
|-----|------------------|----------------|---------------------|-------------------|-------------------|--------------|---------------------|----------------|---------|----------|-------------------|-----------------------|------------------------|
| | | | PL1000 (Count 1000) | PL500 (Count 500) | PL250 (Count 250) | PM N Process | PM (Infield) (Bals) | TEM ALBKA (AP) | Time On | Time Off | Flow Rate (l/min) | | |
| 1 | 1-1 | 9-16-15 | - | - | - | - | - | - | - | - | 5737318 | 5737319 | Shy at 1 position |
| 2 | 1-2 | | - | - | - | - | - | - | - | - | 5737320 | 5737321 | ↓ Shy at 1 position |
| 3 | 1-3 | | - | - | - | - | - | - | - | - | 5737322 | 5737323 | |
| 4 | 1-4 | | - | - | - | - | - | - | - | - | 5737324 | 5737325 | |
| 5 | 1-5 | | - | - | - | - | - | - | - | - | 5737326 | 5737327 | |
| 6 | 1-6 | | - | - | - | - | - | - | - | - | 5737327 | 5737328 | |
| 7 | 1-7 | | - | - | - | - | - | - | - | - | 5737329 | 5737330 | |
| 8 | 2-1 | | - | - | - | - | - | - | - | - | 5737331 | 5737332 | |
| 9 | 2-2 | | - | - | - | - | - | - | - | - | 5737333 | 5737334 | |
| 10 | 2-3 | | - | - | - | - | - | - | - | - | 5737335 | 5737336 | |

Released By: T. Taylor Signature: [Signature] Date: _____
 Received By: _____ Signature: _____ Date: _____

Asbestos Chain-of-Custody

~ For Lab Use Only ~

Company Name Sierra Environmental Group, Inc. Address 1041 Straight Street City/State/Zip Cincinnati, OH 45214
 Phone (513) 542-5323 Fax () E-mail tsierra@sierra.net
 Project Name / Testing Address: ALC 603, 3rd City/State (Required):
 Collected by Todd Taylor Purchase Order Number

Turn Around Times : *If no TAT is specified, sample(s) will be processed and charged as 3-day TAT.*
 ___ 1 - Day ___ 2 - Day 2 3 - Day ___ Same Day (Must Call Ahead) ___ Weekend (Must Call Ahead)

| No. | Client Sample ID | Date Collected | ASBESTOS | | | | | | AIR | | | COMMENTS | |
|-----|------------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|------------------|-------------------|------------------|-----------------------|----------|--|
| | | | PM 1 (hour 40) | PM 2 (hour 100) | PM 3 (hour 200) | PM 4 (hour 400) | PM 5 (hour 800) | PM 6 (hour 1600) | Flow Rate (L/min) | Total Time (min) | Volume (Total Liters) | | |
| 1 | 2-4 | 9-10-05 | - | - | - | - | - | - | - | 5737328 | | | Sky at 1 st position Sky at 1 st position |
| 2 | 2-5 | | - | - | - | - | - | - | - | 5737329 | | | |
| 3 | 2-6 | | - | - | - | - | - | - | - | 5737330 | | | |
| 4 | 2-7 | | - | - | - | - | - | - | - | 5737331 | | | |
| 5 | 3-1 | | - | - | - | - | - | - | - | 5737332 | | | |
| 6 | 3-2 | | - | - | - | - | - | - | - | 5737333 | | | |
| 7 | 3-3 | | - | - | - | - | - | - | - | 5737334 | | | |
| 8 | 3-4 | | - | - | - | - | - | - | - | 5737335 | | | |
| 9 | 3-5 | | - | - | - | - | - | - | - | 5737336 | | | |
| 10 | 4-1 | | - | - | - | - | - | - | - | 5737337 | | | |

Prepared by: Taylor
 Date: 9/10/05

Submitted by: Taylor
 Date: 9/10/05

Lab Use
 Lab Use

Asbestos Chain-of-Custody

~ For Lab Use Only ~

Company Name: Sierra Environmental Group, Inc. Address: 1941 Straight Street City/State/Zip: Cincinnati, OH 45214
 Phone: (513) 542-5323 Fax: () _____ E-mail: tsierra@sierraenv.com
 Project Name / Testing Address: Alcoba, MI City/State (Required): _____
 Collected by: Todd Taylor Purchase Order Number _____

Turn Around Times : *If no TAT is specified, sample(s) will be processed and charged as 3-day TAT.*

1 - Day _____ 2 - Day _____ 3 - Day _____ Same Day (Must Call Ahead) _____ Weekend (Must Call Ahead) _____

| No. | Client Sample ID | Date Collected | ASBESTOS | | | | | | AIR | | | Volume (Total Liters) | COMMENTS |
|-----|------------------|--------------------------------------|----------|----------------|----------------|------------|----|----------------------|----------------|---------|----------|-----------------------|-------------------|
| | | | PM | PM (cont. air) | PM (cont. air) | PM & P8000 | PM | TCM (method (Balls)) | TCM ALBERA (M) | Time On | Time Off | | |
| 1 | 4-2 | 9-10-15 | - | - | - | - | - | - | - | - | - | 5737338 | Sk at 1' positive |
| 2 | 5-1 | <div style="font-size: 2em;">↓</div> | - | - | - | - | - | - | - | - | - | 5737339 | Sk at 1' positive |
| 3 | 5-2 | | - | - | - | - | - | - | - | - | - | 5737340 | Sk at 1' positive |
| 4 | 6-1 | | - | - | - | - | - | - | - | - | - | 5737341 | Sk at 1' positive |
| 5 | 6-2 | | - | - | - | - | - | - | - | - | - | 5737342 | Sk at 1' positive |
| 6 | 7-1 | | - | - | - | - | - | - | - | - | - | 5737343 | Sk at 1' positive |
| 7 | 8-1 | | - | - | - | - | - | - | - | - | - | 5737344 | Sk at 1' positive |
| 8 | 9-1 | | - | - | - | - | - | - | - | - | - | 5737345 | Sk at 1' positive |
| 9 | 9-2 | | - | - | - | - | - | - | - | - | - | 5737346 | Sk at 1' positive |
| 10 | 10-1 | | - | - | - | - | - | - | - | - | - | 5737347 | Sk at 1' positive |

Prepared By: _____
 Checked By: _____

Asbestos Chain-of-Custody

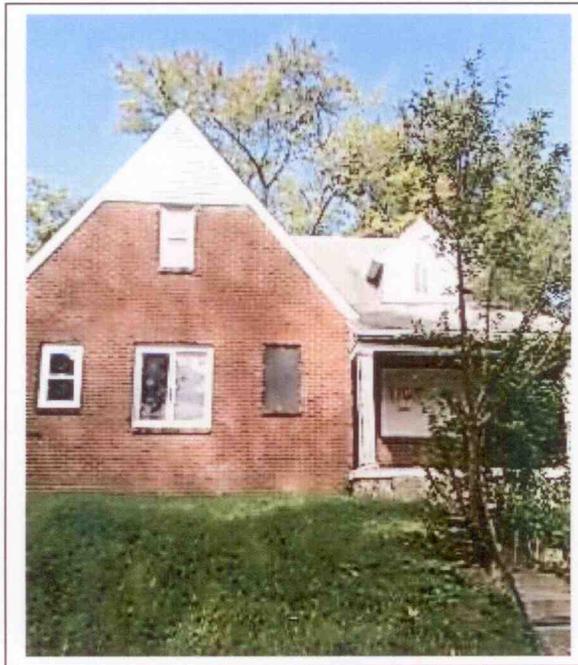
~ For Lab Use Only ~

Company Name: Sierra Environmental Group, Inc. Address: 1041 Straight Street City/State/Zip: Cincinnati, OH 45214
 Phone: (513) 542-5323 Fax: () E-mail: lsierref@sierra.net
 Project Name / Testing Address: Alcoba, OH City/State (Required): _____
 Collected by: Todd Taylor Purchase Order Number _____

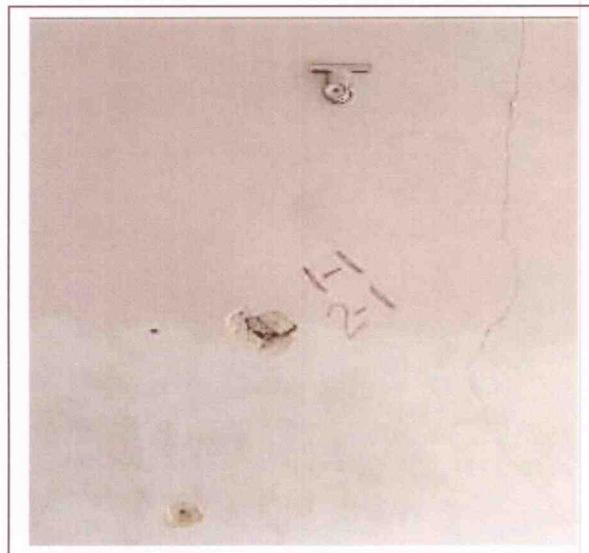
Turn Around Times : *If no TAT is specified, sample(s) will be processed and charged as 3-day TAT.*
 1 - Day _____ 2 - Day _____ 3 - Day _____ Same Day (Must Call Ahead) _____ Weekend (Must Call Ahead) _____

| No. | Client Sample ID | Date Collected | ASBESTOS | | | | | | AIR | | | Volume (Total Liters) | COMMENTS |
|-----|------------------|----------------|----------|----------------|------------|----|-------------------|---------------|---------|----------|------------------|-----------------------|-------------------|
| | | | PM | PM (cont. 100) | PM & P100s | PM | PM (total) (Bulk) | PM ALBKA (No) | Time On | Time Off | Flow Rate (mhd) | | |
| 1 | 10-2 | 9-10-15 | - | | | | | | | | | 5737348 | Sp at 1' position |
| 2 | 11-1 | | - | | | | | | | | | 5737349 | Sp at 1' position |
| 3 | 11-2 | | - | | | | | | | | | 5737350 | Sp at 1' position |
| 4 | 12-1 | | - | | | | | | | | | 5737351 | Sp at 1' position |
| 5 | 12-2 | | - | | | | | | | | | 5737352 | Sp at 1' position |
| 6 | 13-1 | | - | | | | | | | | | 5737353 | Sp at 1' position |
| 7 | 13-2 | | - | | | | | | | | | 5737354 | Sp at 1' position |
| 8 | 14-1 | | - | | | | | | | | | 5737355 | Sp at 1' position |
| 9 | 14-2 | | - | | | | | | | | | 5737356 | Sp at 1' position |
| 10 | | | | | | | | | | | | | |

Revised By: _____ Date: _____
 Printed By: _____ Date: _____



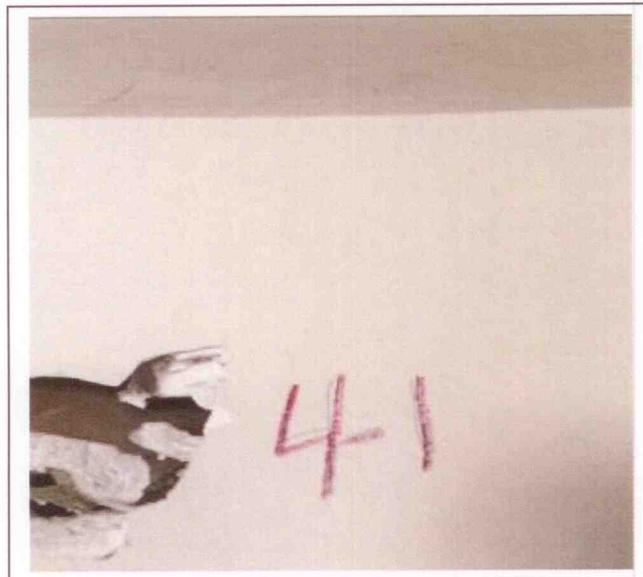
1165 Linda Vista Avenue, Dayton, Ohio 45405



HA #1 & #2 – Hard wall and ceiling plaster



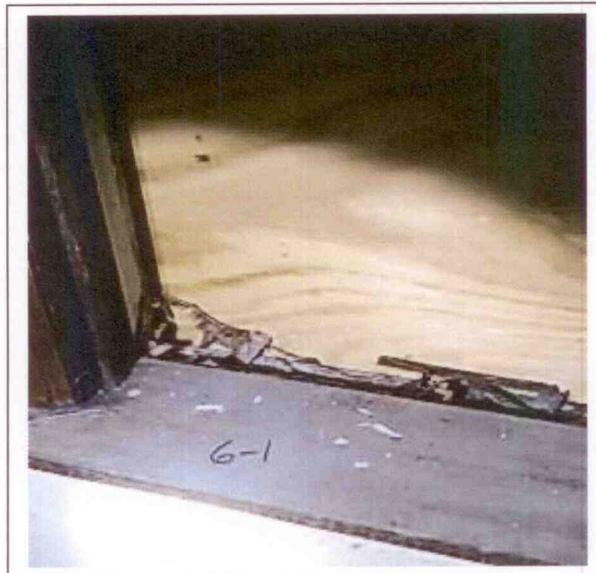
HA #3 – Textured ceiling



HA #4 - Drywall



HA #5 – Joint compound



HA #6 – Window glaze



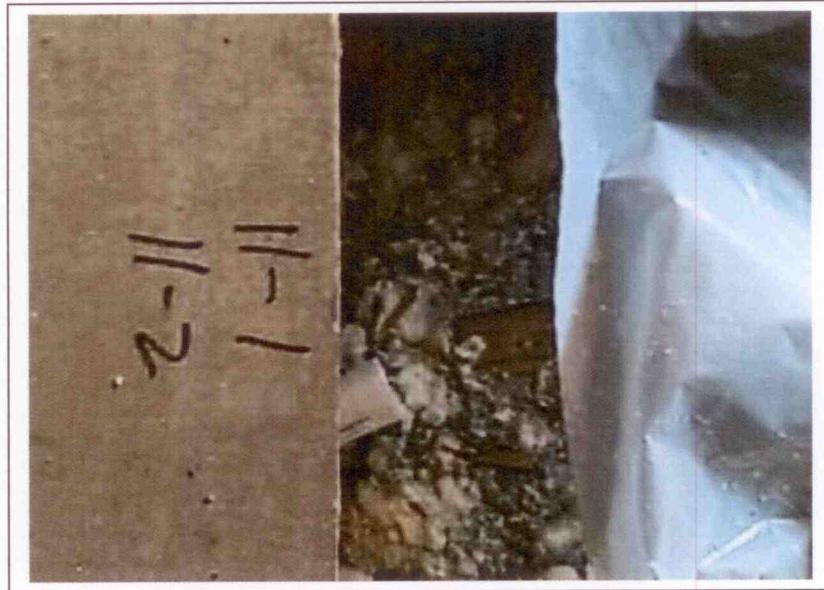
HA #7 & #8 – Duct insulation and heat shield



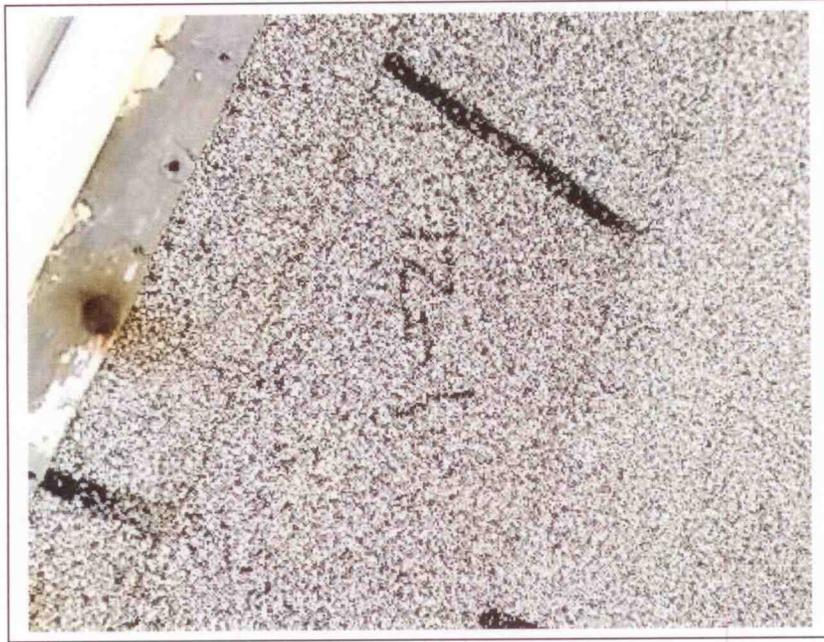
HA #9 – Green sheet flooring



HA #10 – Brown sheet flooring



HA #11 – Blown-in insulation



HA #12 – Black and white asphalt roof shingle



HA #13 - Window glaze, metal windows



HA #14 – Brown sheet flooring



OHIO DEPARTMENT OF HEALTH

246 North High Street
Columbus, Ohio 43215

614/466-3543
www.odh.ohio.gov

John R. Kasich/Governor

Richard Hodges/Director of Health

October 23, 2014

Charles F Callahan
Sierra Environmental Group, Inc.
1041 Straight Street
Cincinnati OH 45214

RE: Asbestos Hazard Evaluation Specialist
Certification Number: ES31960
Expiration Date: 10/20/2015

Dear Charles F Callahan:

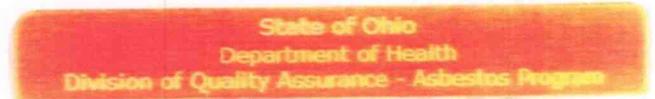
This letter and enclosed certification card approves your request to be certified as an Asbestos Hazard Evaluation Specialist. You must present your card upon request at any project site while performing duties. Copies of cards are not acceptable as proof of certification.

This certification may be revoked by the Director of Health for violation of any of the requirements of 3701-34 of the Ohio Administrative Code.

If you have any questions, please call Charlene W. Valentine, Licensure Specialist, at 614-644-0226.

Sincerely,

David Holston, Chief
Environmental Abatement Section
Bureau of Information and Operational Support
Division of Quality Assurance



Asbestos Hazard Evaluation Specialist



Charles F Callahan
Sierra Environmental Group, Inc.
1041 Straight Street
Cincinnati OH 45214

DOB: 11/07/1969

Certification Number **ES31960** Expiration Date **10/20/2015**

This certification is issued pursuant to Chapter 3710 of the Revised Code and 3701-34 of the Ohio Administrative Code. Certification Card is not valid if altered.

OHIO DEPARTMENT OF HEALTH

614/468-3513
www.odh.ohio.gov

Richard Rugges/Director of Health

May 12, 2015

Todd E. Taylor
Sierra Environmental Group, Inc.
1041 Straight Street
Cincinnati OH 45214

RE: Asbestos Hazard Evaluation Specialist
Certification Number: ES32139
Expiration Date: 05/19/2016

Dear Todd E Taylor:

This letter and enclosed certification card approves your request to be certified as an Asbestos Hazard Evaluation Specialist. You must present your card upon request at any project site while performing duties. Copies of cards are not acceptable as proof of certification.

This certification may be revoked by the Director of Health for violation of any of the requirements of 3701-34 of the Ohio Administrative Code.

If you have any questions, please call Kathy Butcher, Licensure Specialist, at 614-644-0226.

Sincerely,


Bill Robbins, Section Chief
Bureau of Licensure Operations
Office of Health Assurance and Licensing

State of Ohio
Department of Health
Asbestos Program

Asbestos Hazard Evaluation Specialist



Todd E Taylor
Sierra Environmental Group, Inc.
1041 Straight Street
Cincinnati OH 45214

Certification Number: **ES32139** Expiration Date: **05/19/2016**

DOB: 07/23/1967

This certification is subject to Chapter 3710 of the Ohio Administrative Code.