

September 16, 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
2106 Victoria Avenue
Dayton, Ohio
Sierra Project Number: MCLB.001

Dear Mr. Zimmer:

On September 8, 2015, Mr. Todd Taylor (Ohio Department of Health Certified Asbestos Hazard Evaluation Specialist #ES32139) of Sierra Environmental Group, Inc. (Sierra) visited the vacant residence located at 2106 Victoria 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, ceiling tiles, roofing materials, window glaze, duct insulation, cementitious siding and blown-in insulation. Three (3) asbestos-containing materials were identified within this residence scheduled for demolition (Table -2 Asbestos Inventory). The cost to remove the Regulated Asbestos-Containing Materials (RACM) and Category II asbestos-containing materials from this site prior to demolition would be \$9,650.00. 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 2106 Victoria Avenue, Dayton, Ohio. | | | | | |
| Skim coat of hard wall plaster (Surfacing, >5,000 sf) | Living room | 1 | 1-1 | None Detected | Nonfriable |
| Skim coat of hard ceiling plaster (Surfacing, >5,000 sf) | Living room | 1 | 1-2 | None Detected | Nonfriable |
| Skim coat of hard wall plaster (Surfacing, >5,000 sf) | Dining room | 1 | 1-3 | None Detected | Nonfriable |
| Skim coat of hard ceiling plaster (Surfacing, >5,000 sf) | Dining room | 1 | 1-4 | None Detected | Nonfriable |
| Skim coat of hard wall plaster (Surfacing, >5,000 sf) | Front left bedroom, 2nd floor | 1 | 1-5 | None Detected | Nonfriable |
| Skim coat of hard ceiling plaster (Surfacing, >5,000 sf) | Front left bedroom, 2nd floor | 1 | 1-6 | None Detected | Nonfriable |
| Skim coat of hard wall plaster (Surfacing, >5,000 sf) | Stairwell to 2nd floor | 1 | 1-7 | None Detected | Nonfriable |
| Brown coat of hard wall plaster (Surfacing, >5,000 sf) | Living room | 2 | 2-1 | None Detected | Nonfriable |
| Brown coat of hard ceiling plaster (Surfacing, >5,000 sf) | Living room | 2 | 2-2 | None Detected | Nonfriable |
| Brown coat of hard wall plaster (Surfacing, >5,000 sf) | Dining room | 2 | 2-3 | None Detected | Nonfriable |
| Brown coat of hard ceiling plaster (Surfacing, >5,000 sf) | Dining room | 2 | 2-4 | None Detected | Nonfriable |
| Brown coat of hard wall plaster (Surfacing, >5,000 sf) | Front left bedroom, 2nd floor | 2 | 2-5 | None Detected | Nonfriable |
| Brown coat of hard ceiling plaster (Surfacing, >5,000 sf) | Front left bedroom, 2nd floor | 2 | 2-6 | None Detected | Nonfriable |
| Brown coat of hard wall plaster (Surfacing, >5,000 sf) | Stairwell to 2nd floor | 2 | 2-7 | None Detected | Nonfriable |
| Drywall, pink (Miscellaneous) | Bathroom, 2nd floor | 3 | 3-1 | None Detected | Nonfriable |
| Drywall, pink (Miscellaneous) | Bathroom, 2nd floor | 3 | 3-2 | None Detected | Nonfriable |
| Joint compound (Miscellaneous) | Bathroom, 2nd floor | 4 | 4-1 | 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 |
|--|-----------------------------------|--------------------|------------------------|-------------------------|--------------------------------|
| Joint compound (Miscellaneous) | Bathroom, 2nd floor | 4 | 4-2 | None Detected | Nonfriable |
| Window glaze (Miscellaneous) | Exterior 1st floor | 5 | 5-1 | *3.1% Chrysotile | Friable |
| Window glaze (Miscellaneous) | Exterior 2nd floor | 5 | 5-2 | Stopped Analysis | Friable |
| 2'x2' Suspended ceiling tile with holes and fissures (Miscellaneous) | Kitchen | 6 | 6-1 | None Detected | Friable |
| 2'x2' Suspended ceiling tile with holes and fissures (Miscellaneous) | Kitchen | 6 | 6-2 | None Detected | Friable |
| 2'x2' Suspended ceiling tile with holes and fissures (Miscellaneous) | Kitchen | 6 | 6-3 | None Detected | Friable |
| Drywall, white (Miscellaneous) | Kitchen | 7 | 7-1 | None Detected | Nonfriable |
| Drywall, white (Miscellaneous) | Kitchen | 7 | 7-2 | None Detected | Nonfriable |
| Joint compound (Miscellaneous) | Kitchen | 8 | 8-1 | None Detected | Nonfriable |
| Joint compound (Miscellaneous) | Kitchen | 8 | 8-2 | None Detected | Nonfriable |
| Duct insulation (Thermal System Insulation) | Kitchen | 9 | 9-1 | 70% Chrysotile | Friable |
| 12"x12" Tan sticky back floor tile (Miscellaneous) | Kitchen | 10 | 10-1 | None Detected | Nonfriable |
| 12"x12" Tan sticky back floor tile (Miscellaneous) | Kitchen | 10 | 10-2 | None Detected | Nonfriable |
| Cementitious siding (Miscellaneous) | Exterior | 11 | 11-1 | 20% Chrysotile | Nonfriable |
| Blown-in insulation (Miscellaneous) | Front right bedroom, 2nd floor | 12 | 12-1 | None Detected | Friable |
| Blown-in insulation (Miscellaneous) | Front right bedroom, 2nd floor | 12 | 12-2 | None Detected | Friable |

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 | 13 | 13-1 | None Detected | Nonfriable |
| Black and white asphalt roof shingle (Miscellaneous) | Exterior | 13 | 13-2 | 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 2106 Victoria Avenue, Dayton. | | | |
| Exterior residence & garage | II | Window glaze | 15 windows |
| Exterior residence | II | Cementitious siding (under vinyl siding) | 1,950 sf |
| Basement | RACM | Duct insulation | 15 sf |
| Basement to the 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 2106 Victoria Avenue, Dayton, Ohio. | | | |
| Exterior residence & garage | II | Window glaze | \$2,250.00 |
| Exterior residence | II | Cementitious siding (under vinyl siding) | \$5,850.00 |
| Basement | RACM | Duct insulation | \$300.00 |
| Basement to the 2nd floor | RACM | Duct insulation (concealed behind hard wall and ceiling plaster) | \$1,250.00 |

Table 3-1

CERTIFICATE OF ANALYSIS

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

Report Date: 9/12/2015
Report No.: 373609
Project: 2106 Victoria Ave.
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5734041 **Description / Location:** White 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.: 5734042 **Description / Location:** White 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.: 5734043 **Description / Location:** White 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.: 5734044 **Description / Location:** White 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**

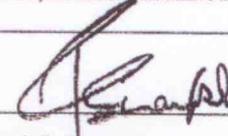
*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

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: V. Smith

Approved By:



Frank E. Ehrenfeld III

Date: 9/12/2015

CERTIFICATE OF ANALYSIS

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

Report Date: 9/12/2015
Report No.: 373609
Project: 2106 Victoria Ave.
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

| | | | | |
|-------------------------|--|--|---------------|-------------------------------|
| Lab No.: 5734045 | Description / Location: White 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.: 5734046 | Description / Location: White 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.: 5734047 | Description / Location: White 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.: 5734048 | Description / Location: Tan 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 | 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: V. Smith

Date: 9/12/2015

CERTIFICATE OF ANALYSIS

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

Report Date: 9/12/2015
Report No.: 373609
Project: 2106 Victoria Ave.
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5734049 **Description / Location:** Tan Plaster
Client No.: 2-2

| <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.: 5734050 **Description / Location:** Tan Plaster
Client No.: 2-3

| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
|-------------------|---------------|--|-------------|-------------------------------|
| None Detected | None Detected | Trace | Hair | 100 |

Lab No.: 5734051 **Description / Location:** Tan Plaster
Client No.: 2-4

| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
|-------------------|---------------|--|-------------|-------------------------------|
| None Detected | None Detected | Trace | Hair | 100 |

Lab No.: 5734052 **Description / Location:** Grey Plaster
Client No.: 2-5

| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
|-------------------|---------------|--|-------------|-------------------------------|
| None Detected | None Detected | 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: V. Smith

Date: 9/12/2015

CERTIFICATE OF ANALYSIS

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

Report Date: 9/12/2015
Report No.: 373609
Project: 2106 Victoria Ave.
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5734053 **Description / Location:** Tan Plaster
Client No.: 2-6

| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
|-------------------|---------------|--|-------------|-------------------------------|
| None Detected | None Detected | Trace | Hair | 100 |

Lab No.: 5734054 **Description / Location:** Tan Plaster
Client No.: 2-7

| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
|-------------------|---------------|--|-------------|-------------------------------|
| None Detected | None Detected | Trace | Hair | 100 |

Lab No.: 5734055 **Description / Location:** Brown/White Sheetrock
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 | 25 | Cellulose | 75 |

Lab No.: 5734056 **Description / Location:** Brown/White Sheetrock
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 | 15 | Cellulose | 85 |

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: V. Smith

Date: 9/12/2015

CERTIFICATE OF ANALYSIS

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

Report Date: 9/12/2015
Report No.: 373609
Project: 2106 Victoria Ave.
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

| | | | | |
|-------------------------|---|--|---------------|-------------------------------|
| Lab No.: 5734057 | Description / Location: White Joint Compound | | | |
| 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 | None Detected | None Detected | 100 |

| | | | | |
|-------------------------|---|--|---------------|-------------------------------|
| Lab No.: 5734058 | Description / Location: White Joint Compound | | | |
| 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 | None Detected | None Detected | 100 |

| | | | | |
|-------------------------|---|--|---------------|-------------------------------|
| Lab No.: 5734059 | Description / Location: Green/Grey Glazing | | | |
| Client No.: 5-1 | | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| PC 3.1 | Chrysotile | None Detected | None Detected | PC 96.9 |

| | | | | |
|-------------------------|--|--|---------------------|-------------------------------|
| Lab No.: 5734060 | Description / Location: Sample Not Analyzed | | | |
| Client No.: 5-2 | | | | |
| <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 | |

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: V. Smith

Date: 9/12/2015

CERTIFICATE OF ANALYSIS

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

Report Date: 9/12/2015
Report No.: 373609
Project: 2106 Victoria Ave.
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

| | | | | |
|-------------------------|---|--|--------------|-------------------------------|
| Lab No.: 5734061 | Description / Location: White/Tan Ceiling Tile | | | |
| 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 | 40 | Cellulose | 40 |
| | | 20 | Mineral Wool | |

| | | | | |
|-------------------------|---|--|--------------|-------------------------------|
| Lab No.: 5734062 | Description / Location: White/Tan Ceiling Tile | | | |
| 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 | 40 | Cellulose | 40 |
| | | 20 | Mineral Wool | |

| | | | | |
|-------------------------|---|--|--------------|-------------------------------|
| Lab No.: 5734063 | Description / Location: White/Tan Ceiling Tile | | | |
| Client No.: 6-3 | | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | 40 | Cellulose | 40 |
| | | 20 | Mineral Wool | |

| | | | | |
|-------------------------|--|--|-------------|-------------------------------|
| Lab No.: 5734064 | Description / Location: Brown/White Sheetrock | | | |
| Client No.: 7-1 | | | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
| None Detected | None Detected | 5 | Cellulose | 95 |

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: V. Smith

Date: 9/12/2015

CERTIFICATE OF ANALYSIS

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

Report Date: 9/12/2015
Report No.: 373609
Project: 2106 Victoria Ave.
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5734065 **Description / Location:** Brown/White Sheetrock
Client No.: 7-2

| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
|-------------------|---------------|--|-------------|-------------------------------|
| None Detected | None Detected | 5 | Cellulose | 95 |

Lab No.: 5734066 **Description / Location:** White Joint Compound
Client No.: 8-1

| <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.: 5734067 **Description / Location:** White Joint Compound
Client No.: 8-2

| <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.: 5734068 **Description / Location:** Grey Fibrous
Client No.: 9-1

| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
|-------------------|-------------|--|-------------|-------------------------------|
| 70 | Chrysotile | Trace | Cellulose | 30 |

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

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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: V. Smith

Date: 9/12/2015

CERTIFICATE OF ANALYSIS

| | | | |
|----------------|---|---------------------|--------------------|
| Client: | Sierra Environmental Group Inc 1041 Straight Street Cincinnati OH 45214 | Report Date: | 9/12/2015 |
| | | Report No.: | 373609 |
| | | Project: | 2106 Victoria Ave. |
| | | Project No.: | MCLB.001 |

BULK SAMPLE ANALYSIS SUMMARY

| | | | |
|--------------------|---------------|--|-------------------------------|
| Lab No.: | 5734069 | Description / Location: | Tan Floor Tile |
| Client No.: | 10-1 | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> |
| None Detected | None Detected | None Detected | None Detected |
| | | | <u>% Non-Fibrous Material</u> |
| | | | 100 |

| | | | | | |
|--------------------|---------------|--|------------------------------------|-------------------|-------------------------------|
| Lab No.: | 5734069 | Description / Location: | Brown/Tan Mastic Leveling Compound | Layer No.: | 2 |
| 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 | None Detected | None Detected | | 100 |

| | | | |
|--------------------|---------------|--|-------------------------------|
| Lab No.: | 5734070 | Description / Location: | Tan Floor Tile |
| Client No.: | 10-2 | | |
| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> |
| None Detected | None Detected | None Detected | None Detected |
| | | | <u>% Non-Fibrous Material</u> |
| | | | 100 |

| | | | | | |
|--------------------|---------------|--|------------------------------------|-------------------|-------------------------------|
| Lab No.: | 5734070 | Description / Location: | Brown/Tan Mastic Leveling Compound | Layer No.: | 2 |
| 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 | None Detected | None Detected | | 100 |

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

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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: V. Smith

Date: 9/12/2015

CERTIFICATE OF ANALYSIS

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

Report Date: 9/12/2015
Report No.: 373609
Project: 2106 Victoria Ave.
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5734071 **Description / Location:** White/Tan Transite
Client No.: 11-1

| <u>% Asbestos</u> | <u>Type</u> | <u>% Non-Asbestos Fibrous Material</u> | <u>Type</u> | <u>% Non-Fibrous Material</u> |
|-------------------|-------------|--|---------------|-------------------------------|
| 20 | Chrysotile | None Detected | None Detected | 80 |

Lab No.: 5734072 **Description / Location:** Black Insulation
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 | 50 | Mineral Wool | 40 |
| | | 10 | Cellulose | |

Lab No.: 5734073 **Description / Location:** Black Insulation
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 | 40 | Mineral Wool | 40 |
| | | 20 | Cellulose | |

Lab No.: 5734074 **Description / Location:** Grey/Black Shingle
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 | 15 | Cellulose | 85 |

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

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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: V. Smith

Date: 9/12/2015

CERTIFICATE OF ANALYSIS

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

Report Date: 9/12/2015
Report No.: 373609
Project: 2106 Victoria Ave.
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

| | | | | |
|-------------------------|---|--|-------------|-------------------------------|
| Lab No.: 5734075 | Description / Location: Grey/Black Shingle | | | |
| 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 | 15 | Cellulose | 85 |

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

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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: V. Smith

Date: 9/12/2015

Chain of Custody

-Bulk Asbestos -

| | |
|--|--|
| Contact Information | |
| Client Company: <u>Sierra</u> | Project Number: <u>MCLB.001</u> |
| Office Address: <u>1041 Straight St.</u> | Project Name: <u>2106 Victoria Ave</u> |
| City, State, Zip: <u>Cinc. OH 45214</u> | Primary Contact: <u>T. Taylor</u> |
| Fax Number: _____ | Office Phone: _____ |
| Email Address: <u>tt@sierra@hsc.net</u> | 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

PLM: Point Counting
 PC: via ELAP 198.1
 PC: 400 Points
 PC: 800 Points *
 PC: 1600 Points *

PLM: Instructions for Multi-Layered Samples
 Analyze and Report All Separable Layers per EPA 600
 Report Composite for Drywall Systems per NESHAP
 Report All Layers and Composite Where Applicable
 Only Analyze and Report Specifically Noted Layer

PLM: Analyze Until Positive (Positive Stop)
 AUP: by Homogenous Area as Noted
 AUP: by Material Type as Noted
 PLM: NOB via 198.6
 PLM: Friable via EPA 600 2.3
 If <1% by PLM, to TEM via 198.4 *
 If <1% by PLM, Hold for Instructions

PLM: Non-Building Material*** (Dust, Wipe, Tape)
 Soil or Vermiculite Analysis
 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 35

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***

Chain of Custody

| | | | |
|---|---------------------------|-----------------|--------------|
| Relinquished (Name/Organization): <u>Sierra</u> | Date: <u>9-8-15</u> | RECEIVED | |
| Received (Name / iATL): _____ | Date: _____ | Time: _____ | |
| Sample Login (Name / iATL): _____ | Date: <u>9/9/15</u> | Time: _____ | |
| Analysis (Name(s) / iATL): _____ | Date: <u>9/12/15</u> | Time: _____ | SEP - 9 2015 |
| QA/QC Review (Name / iATL): <u>[Signature]</u> | Date: _____ | Time: _____ | |
| Archived / Released: _____ | QA/QC InterLAB Use: _____ | Date: _____ | Time: _____ |

IATL BY

EMAILED

9-14

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: MELB, 001-2106 Victoria Ave. (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 | | | COMMENTS | |
|-----|------------------|----------------|----------|--------------|--------------|-------------|-------------------|------------|-------------------|----------------------|-----------------------|----------------------------------|----------------------------------|
| | | | PM | PM (Post 40) | PM & Postcol | PM (Pre 40) | TEMC Method (Bak) | TEMC (Bak) | Flow Rate (L/min) | Total Time (minutes) | Volume (Total Liters) | | |
| 1 | 1-1 | 9-8-15 | - | - | - | - | - | - | - | 5734041 | 5734041 | Stop at 1 st position | |
| 2 | 1-2 | ↓ | - | - | - | - | - | - | - | 5734042 | 5734042 | ↓ | |
| 3 | 1-3 | | - | - | - | - | - | - | - | 5734043 | 5734043 | | |
| 4 | 1-4 | | - | - | - | - | - | - | - | 5734044 | 5734044 | | |
| 5 | 1-5 | | - | - | - | - | - | - | - | 5734045 | 5734045 | | |
| 6 | 1-6 | | - | - | - | - | - | - | - | 5734046 | 5734046 | | |
| 7 | 1-7 | | - | - | - | - | - | - | - | 5734047 | 5734047 | | Stop at 1 st position |
| 8 | 2-1 | | - | - | - | - | - | - | - | 5734048 | 5734048 | | ↓ |
| 9 | 2-2 | | - | - | - | - | - | - | - | 5734049 | 5734049 | | |
| 10 | 2-3 | | - | - | - | - | - | - | - | 5734050 | 5734050 | | |

Released by: T. Taylor Signature: *Taylor* Date/Time:
 Received by: *AK* Signature: *AK* Date/Time:

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: () 552-5323 E-mail: tsierra@fuge.net
 Project Name / Testing Address: McLB, ool- 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 _____ Weekend (Must Call Ahead) _____

| No. | Client Sample ID | Date Collected | ASBESTOS | | | | | | AIR | | | COMMENTS | |
|-----|------------------|----------------|----------|-------------------|--------------|----|------------------|-------------|---------|----------|-------------------|----------|-------------------|
| | | | PM | PM Post Count 400 | PM N Process | PM | TM (Half) (Bals) | TM AIR (CA) | Time On | Time Off | Flow Rate (l/min) | | Total Time (mins) |
| 1 | 2-4 | 9-8-15 | - | - | - | - | - | - | - | - | 5734051 | | |
| 2 | 2-5 | ↓ | - | - | - | - | - | - | - | - | 5734052 | | |
| 3 | 2-6 | | - | - | - | - | - | - | - | - | 5734053 | | |
| 4 | 2-7 | | - | - | - | - | - | - | - | - | 5734054 | | |
| 5 | 3-1 | | - | - | - | - | - | - | - | - | 5734055 | | Sk at ↓ positive |
| 6 | 3-2 | | - | - | - | - | - | - | - | - | 5734056 | | Sk at ↓ positive |
| 7 | 4-1 | | - | - | - | - | - | - | - | - | 5734057 | | Sk at ↓ positive |
| 8 | 4-2 | | - | - | - | - | - | - | - | - | 5734058 | | Sk at ↓ positive |
| 9 | 5-1 | | - | - | - | - | - | - | - | - | 5734059 | | Sk at ↓ positive |
| 10 | 5-2 | | - | - | - | - | - | - | - | - | 5734060 | | Sk at ↓ positive |

Released By: T. Taylor Signature: cker
 Received By: _____ Signature: _____

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@huse.net
 Project Name / Testing Address: MCLB, 001- 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 | | | COMMENTS | |
|-----|------------------|----------------|----------|---------------------|---------------|----|------------------------|------------------|---------|----------|-------------------|----------|----------------------------------|
| | | | PM | PM (Print Count 40) | PM N Protocol | PM | TEMC (airfield (bulk)) | TEMA (ERA (air)) | Time On | Time Off | Flow Rate (l/min) | | Total Time (minutes) |
| 1 | 6-1 | 9-8-15 | - | - | - | - | - | - | - | - | 5734061 | 5734061 | Stop at 1 st position |
| 2 | 6-2 | ----- | - | - | - | - | - | - | - | - | 5734062 | 5734062 | ↓ |
| 3 | 6-3 | | - | - | - | - | - | - | - | - | 5734063 | 5734063 | Stop at 1 st position |
| 4 | 7-1 | | - | - | - | - | - | - | - | - | 5734064 | 5734064 | Stop at 1 st position |
| 5 | 7-2 | | - | - | - | - | - | - | - | - | 5734065 | 5734065 | ↓ |
| 6 | 8-1 | | - | - | - | - | - | - | - | - | 5734066 | 5734066 | Stop at 1 st position |
| 7 | 8-2 | | - | - | - | - | - | - | - | - | 5734067 | 5734067 | ↓ |
| 8 | 9-1 | | - | - | - | - | - | - | - | - | 5734068 | 5734068 | ↓ |
| 9 | 10-1 | | - | - | - | - | - | - | - | - | 5734069 | 5734069 | Stop at 1 st position |
| 10 | 10-2 | | ✓ | - | - | - | - | - | - | - | 5734070 | 5734070 | ↓ |

Released by: T. Taylor Signature: dec Date/Time:
 Received by: Signature: Date/Time:

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@huse.net

Project Name / Testing Address: MCLB, 001- City/State (Required): _____

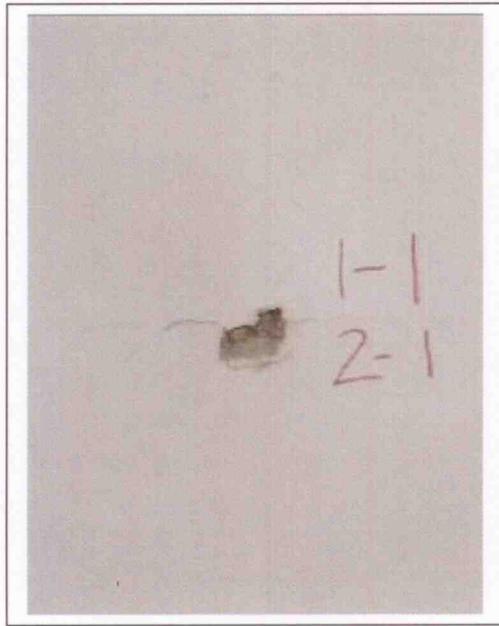
Collected by: Todd Taylor Purchase Order Number _____
 Turn Around Times: **If no TAT is specified, sample(s) will be processed and charged as 3-day TAT.**
 1 - Day _____ 2 - Day 2 3 - Day _____ Same Day (Must Call Ahead) _____ Weekend (Must Call Ahead) _____

| No. | Client Sample ID | Date Collected | ASBESTOS | | | | | | AIR | | | Volume (Total Liters) | COMMENTS |
|-----|------------------|----------------|----------|----------------|----------------|-----|----------------------|----------------|---------|----------|-------------------|-----------------------|--------------------------------|
| | | | PLM | PLM (Cont 100) | PLM S Protocol | PLM | TEM (Asbestos Ballo) | TEM AHERA (As) | Time On | Time Off | Flow Rate (L/min) | | |
| 1 | 11-1 | 9-8-15 | - | | | | | | | | 5734071 | 5734071 | Sp at 1 st position |
| 2 | 12-1 | ↓ | - | | | | | | | | 5734072 | 5734072 | Sp at 1 st position |
| 3 | 12-2 | | - | | | | | | | | | 5734073 | 5734073 |
| 4 | 13-1 | ↓ | - | | | | | | | | 5734074 | 5734074 | Sp at 1 st position |
| 5 | 13-2 | | - | | | | | | | | | 5734075 | 5734075 |
| 6 | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | |

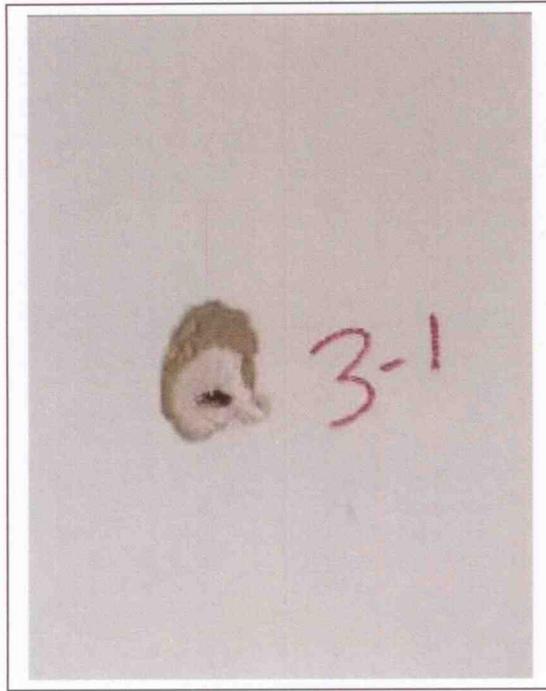
Released by: T. Taylor Signature: [Signature] Date/Time: _____
 Received by: _____ Signature: _____ Date/Time: _____



2106 Victoria Avenue, Dayton, Ohio 45406



HA #1 & #2 Hard wall and ceiling plaster



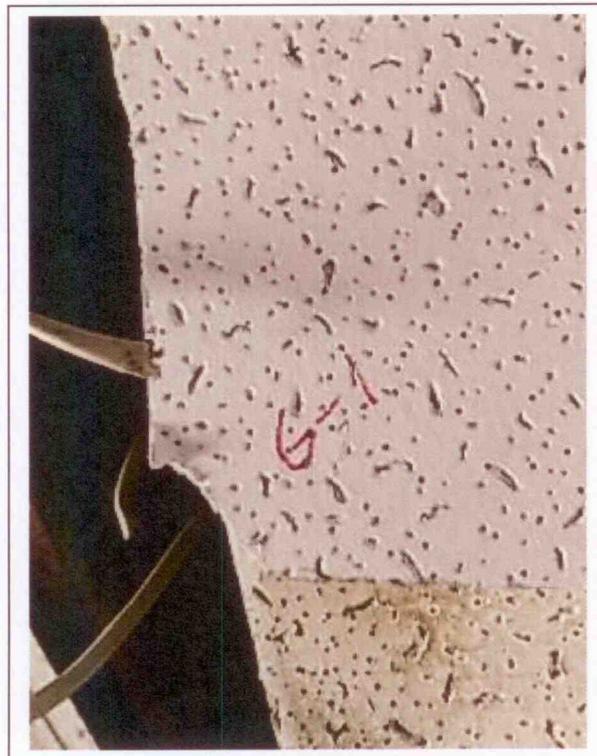
HA #3 - Drywall



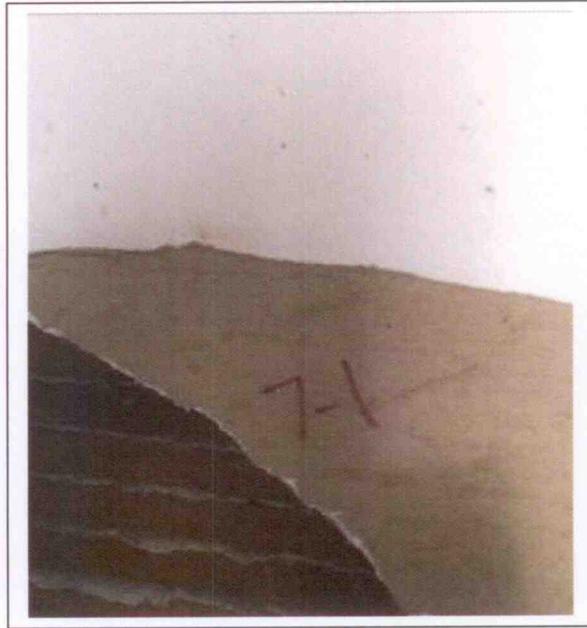
HA #4 - Joint compound



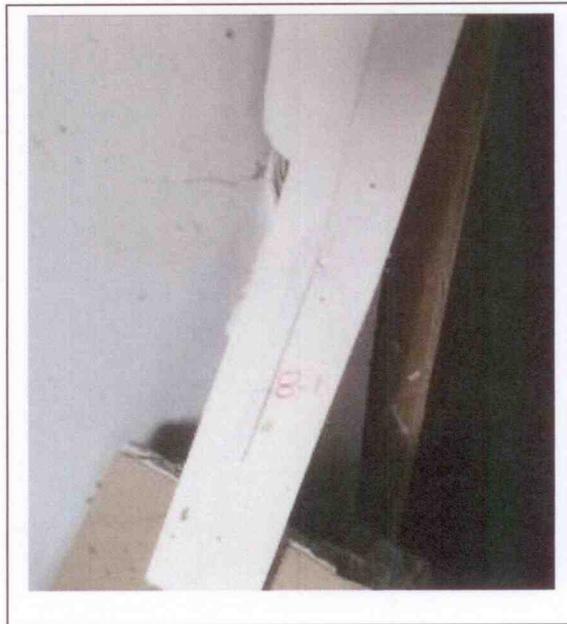
HA #5 – Window glaze



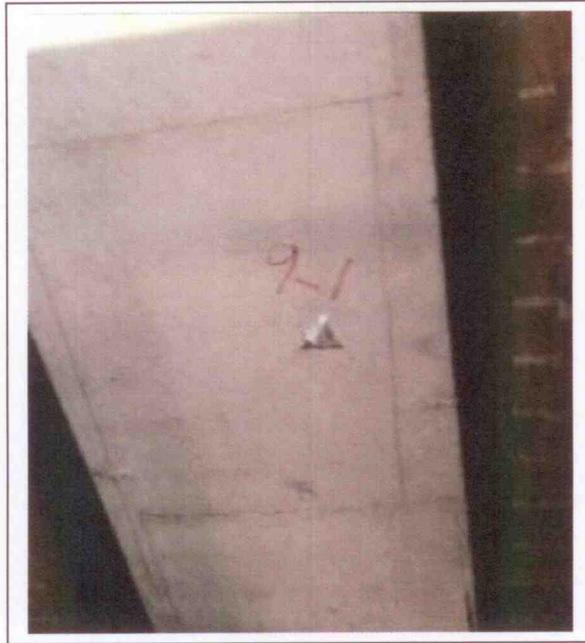
HA #6 – 2'x2' Suspended ceiling tile with holes and fissures



HA #7 – Drywall, white



HA #8 – Joint compound



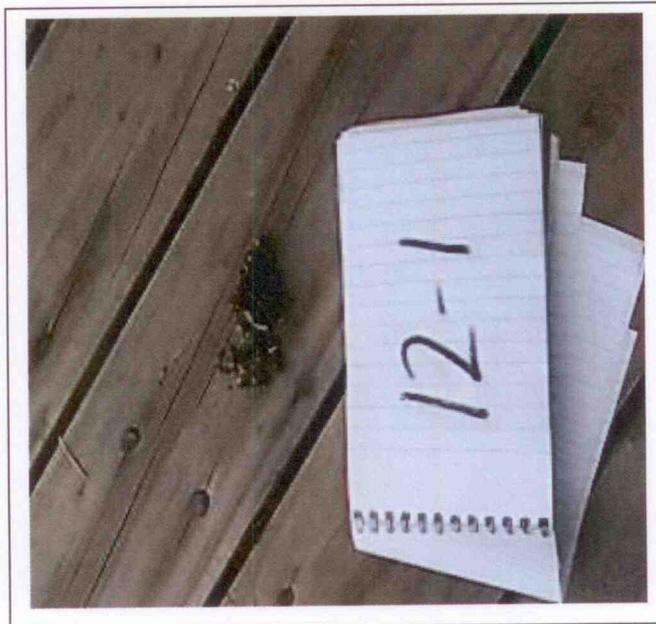
HA #9 – Duct insulation



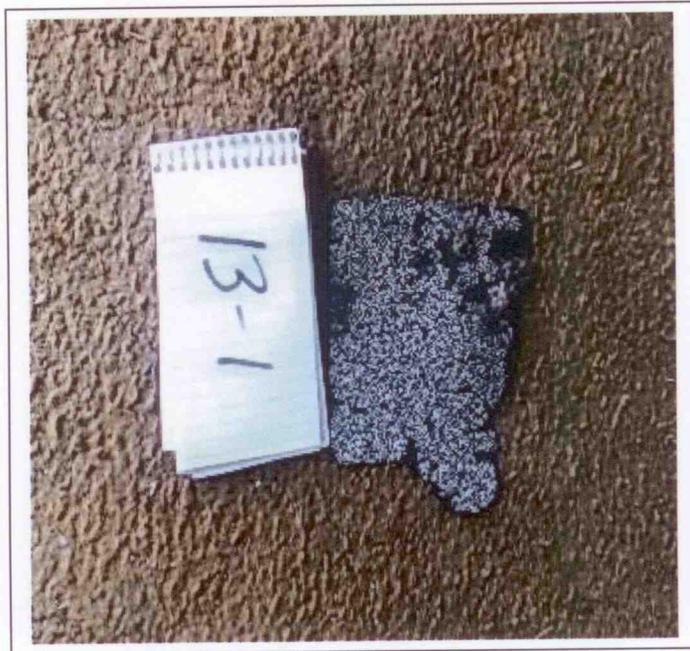
HA #10 – 12"x12" Tan sticky back floor tile



HA #11 – Cementitious siding under vinyl siding



HA #12 – Blown-in insulation



HA #13 – Black and white asphalt shingles

OHIO DEPARTMENT OF HEALTH

614/466-5513

www.odh.ohio.gov

Richard Hanger, 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. Certification card is not valid without the Ohio Administrative Code.