



Purchasing Department

209 Water Street
Johnson City, TN 37601
(423) 975-2716

ADDENDUM

TO: All Prospective Vendors

FROM: Debbie Dillon,
Director of Purchasing

SUBJECT: Addendum No. 3 – ITB # 6013
Access Road from James H. Quillen V.A. Medical Hospital to W. Market
Street (S.R. 34/U.S. 11E), TDOT PIN 102618.00

DATE: 03/04/2016

This is to announce the issuance of Addendum No. 3, which is an integral part of the construction documents for the above referenced Invitation to Bid:

SEE ATTACHED ADDENDUM No. 3

All other specifications remain the same. **Vendor to acknowledge receipt of this addendum by initialing and returning the addendum notice with the return Bid package or via facsimile if it has already been submitted.** Your un-opened response envelope can be returned to you for re-submittal upon request. Any questions please contact this office.

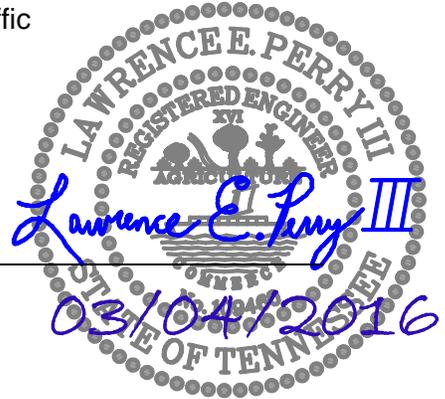
Attachments:

Addendum No. 3 – ITB # 6013

/dd



Public Works Department
Administration • Engineering • Environmental
Solid Waste • Storm Water • Street • Traffic



ADDENDUM

TO: All Prospective Bidders

FROM: Lawrence Perry
Project Manager

SUBJECT: Addendum No. 3 – ITB # 6013
Access Road from James H. Quillen V.A. Medical Hospital to W. Market
Street (S.R. 34/U.S. 11E), TDOT PIN 102618.00

DATE: 03/04/2016

Consider this addendum an integral part of the construction documents for the above referenced Invitation to Bid:

A consultant performed additional asbestos and lead based paint sampling on the roof and car wash located at Tract 08. The removal of this structure is included in the bid as TDOT Item No. 202-06.02, Removal of Buildings (Tract No. 8). The report on asbestos and lead based paint sampling is attached for bidders to view and consider for their estimate of this pay item. The samples taken for the latest report DID NOT show asbestos containing materials or lead based paint in the structure, roof or car wash. If anyone has any questions, please contact Lawrence Perry at 423-232-2962 or lperry@johnsoncitytn.org .

Attachments:

1. Report of Asbestos and Lead Paint Sampling by S & ME, Inc.

**Report of Asbestos and Lead Paint Sampling
Former Gas Station Property
1107 West Market Street
Johnson City, Washington County, Tennessee 37840
S&ME Project No. 4143-16-018**



Prepared for:
City of Johnson City
P.O. Box 2150
Johnson City, Tennessee 37605

Prepared by:
S&ME, Inc.
1413 Topside Road
Louisville, TN 37777

February 29, 2016



February 29, 2016

City of Johnson City
P.O. Box 2150
Johnson City, Tennessee 37605

Attention: Mr. Jim Culbert, Environmental Specialist

Reference: **Report of Pre-Demolition Asbestos and Lead Based Paint Sampling
Former Gas Station**
1107 West Market Street
Johnson City, Tennessee
S&ME Project No. 4143-16-018

Dear Mr. Culbert:

S&ME, Inc. (S&ME) is pleased to submit this report of pre-demolition asbestos and lead based paint sampling services at the former gas station located at 1107 West Market Street in Johnson City, Tennessee. The asbestos and lead based paint sampling services were conducted as outlined in S&ME Proposal No. 41-1600130R1 dated February 16, 2016.

Neither asbestos containing materials nor lead-based paint were detected in the samples collected for this limited assessment.

S&ME, Inc. appreciates this opportunity to work with you on this project and we look forward to our continued association. Please contact us at (865) 970-0003 if you have questions concerning this report.

Sincerely,

S&ME, Inc.

Emily M. Buckingham
Asbestos Inspector
A-I-68828-44122

Eric M. Solt, P.G.
Senior Reviewer



1.0 Background

The subject facility includes a one story building, formerly the 7 Star Stop gas station made up of a convenience store and attached car wash located at 1107 West Market Street in Johnson City, Tennessee. The building is scheduled for demolition. The building area to be demolished is approximately 4,000 square feet. S&ME was requested to evaluate the presence and quantities of asbestos and lead-based paint on the interior and exterior portions of the building.

2.0 Task I: Asbestos Containing Materials Sampling Services

2.1 Scope of Services

S&ME provided a Tennessee Department of Environment and Conservation (TDEC) and Environmental Protection Agency (EPA) accredited Asbestos Inspector to conduct the asbestos sampling of the referenced building on February 15, 2016 and February 23, 2016. Prior to sampling, the building interior and exterior was evaluated to identify homogeneous areas (HA) of suspect asbestos containing materials (ACM). A homogeneous sampling area is defined as an area of material of the same color, texture, and date of application.

Building materials were sampled in general accordance with the Asbestos Hazard Emergency Response Act (AHERA) protocol for sampling frequency and analysis. A total of twelve (12) suspect bulk asbestos samples were collected for analysis on February 15, and another four (4) suspect bulk asbestos samples were collected on February 23, 2016. Sampling of readily accessible materials was performed. Destructive sampling (e.g., intrusive sampling behind interior walls, exterior walls, or other concealed locations) was not performed. Additional sampling of areas not accessed during this evaluation may be warranted should renovation activities reveal materials not evaluated as part of this evaluation.

The car wash area was locked during the February 15th sampling and a taller ladder was needed to sample the roofing materials, thus S&ME completed sampling in these two areas on February 23, 2016.

2.2 Methods

The limited asbestos sampling was performed to comply with the National Emission Standards for Hazardous Air Pollutants (NESHAP) regulations (40 CFR 61 (M)) issued by the U.S. EPA as they pertain to requirements for an asbestos inspection prior to pre-demolition or renovation projects. This evaluation also complies with the TDEC requirements for asbestos abatement entities (Chapters 1200-01-20 and 1200-03-11-.02). TDEC regulations are equivalent to the NESHAP regulations regarding pre-demolition asbestos inspection requirements.

The asbestos sampling services involved identifying and collecting bulk samples from suspect ACM on interior and exterior portions of the building. The samples were documented on a chain of custody and



submitted for analysis to Environmental Hazards Services, LLC (EHS) in Richmond, Virginia, a National Voluntary Laboratory Accreditation (NVLAP# 101882-0) accredited asbestos analytical laboratory¹.

The material sampled was analyzed by EPA Method 600/R-93/116, Polarized Light Microscopy (PLM) utilizing dispersion staining techniques. PLM identifies asbestos content in a sample by identifying and indexing optical and mineralogical characteristics that are unique to one of six legally recognized asbestos minerals. Asbestos content is visually estimated and is reported as a percentage of the area of the particular sample analyzed. This technique is the method of analysis recommended by the EPA for asbestos identification in bulk samples.

2.3 Results

The ACM sampling included the bulk sampling and analysis of suspect ACM, which included the materials listed in Table 1 below. Of the bulk samples collected and analyzed from the subject building, asbestos in concentrations greater than one percent (>1%) was not detected in the sampled materials. Roofing materials were not sampled during the performance of this assessment and are assumed to be positive for asbestos containing materials. The bulk sample laboratory analytical results are provided in Appendix I.

Table 1 – Asbestos Sample Summary Results

| Sample # | Material Description | Friable/ Non-Friable | Location | Sample Results |
|-------------|--|-------------------------|---|----------------|
| 1107-01 A/B | Drywall, Tape, Joint Compound | Friable | Main Sales Floor | NAD |
| 1107-02 A/B | 2' x 2' White, Wormhole Patterned Ceiling Tile | Friable | Sales Floor, Restrooms, Cooler, Hallway | NAD |
| 1107-03 A/B | Black Cove Base with Yellow Glue | Non-Friable | Main Sales Floor | NAD |
| 1107-04 A/B | Fiberboard Paneling with Yellow Glue | Non-Friable | Main Sales Floor | NAD |
| 1107-05 A/B | 2' x 2' White, Solid Gypsum Ceiling Tile | Friable | Chemical Storage Room and Car Wash | NAD |
| 1107-06 A/B | Black Window Caulking | Non-Friable | Exterior Windows | NAD |
| 1107-07 A/B | 2' x 2' Solid White Ceiling Tiles | Friable | Car Wash Interior Ceiling | NAD |
| 1107-08 A/B | Roofing felt, mastic, and insulation (over metal deck) | Non-Friable | Roof | NAD |

NAD – No Asbestos Detected

¹ Accredited by the National Institute of Standards and Technology's National Voluntary Laboratory Accreditation Program (NVLAP).



3.0 Task II: Lead-Based Paint Sampling

3.1 Scope of Services

S&ME was requested to conduct a limited lead-based paint sampling of representative painted surfaces on the exterior of the subject buildings. A total of three (3) paint chip samples from differentiated surface colors and surface substrates of indoor and outdoor paint were collected during the assessment. The paint chip samples were analyzed for lead content and the results were reported as percent lead by weight.

3.2 Methods

The paint chip samples were recorded on a chain of custody and submitted to EHS in Richmond, Virginia, a National Lead Laboratory Accreditation Program (NLLAP) accredited lead analytical laboratory². The paint samples were analyzed for lead in accordance with EPA Method SW846 7000B.

3.3 Results

The EPA and United States Department of Housing and Urban Development (HUD) standard defined in Title X of the 1992 Housing and Community Development Act designates lead-based paint as 0.5% lead by weight. This facility is not considered a HUD regulated building. However, it is important to note that, unlike asbestos, the EPA and Occupational Safety and Health Administration (OSHA) does not publish a concentration that is considered "Lead-Based Paint." Lead-based paint is regulated to prevent occupational exposures in accordance with OSHA regulation 29 CFR 1926.62. OSHA does not define lead-based paint and requires worker protection controls for disturbance of coated materials that may contain any amount of lead.

Lead-based paint as defined by HUD definitions was not present in the samples collected. Likewise, the results indicated that the none of the samples contained lead above the analytical detection limits. Results are listed in Table 2 below. Laboratory analytical results are included in Appendix I.

Table 2 – Lead-Based Paint Sampling Results

| Sample # | Paint Color | Current Condition | Painted Surface Location | Lead Concentration (% by weight) |
|----------|-----------------|-------------------|--------------------------------|----------------------------------|
| 1107-01L | White over Blue | Good | Sales Floor Walls | <0.0036 |
| 1107-02L | Green | Good | Chemical Storage Room | <0.0061 |
| 1107-03L | White | Peeling | Car Wash Entrance/Exit Framing | <0.0053 |

² Accredited by the National Institute of Standards and Technology's National Lead Laboratory Accreditation Program (NLLAP).

4.0 Conclusions and Recommendations

4.1 Asbestos

S&ME did not identify asbestos containing materials in samples collected at the subject building.

As is the case with any asbestos inspection, materials that were not readily apparent or were located in concealed locations may not have been identified. If any material that is suspected to contain asbestos is discovered, and was not included in this report as a material identified and tested, that material should be evaluated for asbestos content before it is disturbed.

If non-sampled suspect materials are discovered during renovation that are similar to the sampled materials in appearance, age or use, they should be treated the same as the similar sampled materials.

4.2 Lead-Based Paint

The paint samples did not contained lead concentrations above detection limits, therefore the paint is not considered to be lead containing.

5.0 Limitations

This report is provided for the sole use of the City of Johnson City. Use of this report by any other parties will be at such party's sole risk, and S&ME, Inc. disclaims liability for any such use or reliance by third parties. The results presented in this report are indicative of conditions only during the time of the sampling and of the specific areas referenced.

5.1 Asbestos Sampling Limitations

Although PLM/Dispersion Staining (Method EPA 600/R-93/116) is the specified method for analysis of bulk material samples for asbestos under the EPA AHERA, there have been reports that this method may not identify asbestos when fiber sizes are extremely small or if they are bound in a resinous material. EPA recommends analyzing such materials (e.g., floor tile mastic, roof flashing, etc.) using Transmission Electron Microscopy (TEM) when PLM analysis does not detect asbestos in quantities greater than 1%. Current EPA regulations do not require this additional analysis and the decision to do so is left to the client.

This report is not intended for use as an asbestos removal specification. The quantities of ACM provided in this report are estimates for sample collection purposes and should not be used for asbestos abatement bidding purposes or any other cost estimating purposes. The Asbestos Abatement Contractor is responsible for verifying the quantities of ACM for asbestos abatement purposes.

It is not within the scope of this work to describe all appropriate precautions, safeguards and regulations relating to asbestos. This report is not intended for use as an asbestos abatement specification. Prior to asbestos abatement, S&ME recommends that an appropriately trained professional develop an abatement specification for such activities.



5.2 Lead-Based Paint Sampling Limitations

As is the case with lead-based paint inspections, surfaces that were not readily apparent or were located in concealed locations may not have been identified. If any additional coating that is suspected to be lead-based paint is discovered, and was not included in this report as a tested surface, it should be evaluated before it is disturbed.

The limited lead paint sampling was intended to identify those surfaces that contain normally detectible levels of lead in paint. No method of analysis or testing of paint can verify that there is no lead in paint. Such testing or analysis is always subject to a minimum detection limit that is greater than zero; therefore, it is not possible to determine that OSHA regulations will not apply based upon paint testing and/or analysis alone.

The lead containing paint inspection was not intended to and did not evaluate employee exposure to lead-based paints. For that, lead air monitoring is required. This report is not intended for guidance in complying with OSHA regulations or standards pertaining to lead in paint. It is not within the scope of this work to describe precautions, safeguards, and regulations relating to lead-containing paint. These services are available but were not included within the scope of work.

This report has been prepared in accordance with generally accepted practice for specific application to this project. The conclusions and/or recommendations contained in this report are based on our understanding of the applicable standards at the time this report was prepared. No other warranty, express or implied, is made.

The findings of the asbestos and lead paint evaluation are based largely on visual observations within the amount of time available. The findings do not warrant that all asbestos-containing materials and lead based paint have been identified; asbestos-containing materials and lead based paint could be present in areas not readily accessible to observation. Apparent homogeneous sampling areas may vary in actual asbestos content due to previous demolitions, maintenance, or related operations.

If additional suspect materials are found, our firm should be notified so that our findings can be reviewed for modification or verification.

Appendix I – Laboratory Analytical Results



Environmental Hazards Services, L.L.C.
 7469 Whitepine Rd
 Richmond, VA 23237
 Telephone: 800.347.4010

Asbestos Bulk Analysis Report

Report Number: 16-02-01824

Client: S&ME Inc. - Louisville
 1413 Topside Road
 Louisville, TN 37777

Received Date: 02/16/2016
 Analyzed Date: 02/16/2016
 Reported Date: 02/16/2016

Project/Test Address: 4143-16-018, 1107 W. Market St.; Johnson City, TN

Client Number:
 44-3087

Fax Number:
 865-970-2312

Laboratory Results

| Lab Sample Number | Client Sample Number | Layer Type | Lab Gross Description | Asbestos | Other Materials |
|-------------------|----------------------|--------------|---|----------|---|
| 16-02-01824-001 | 1107-01A | | White Powdery; Chalky; Brown Fibrous; Inhomogeneous | NAD | 12% Cellulose 88% Non-Fibrous |
| 16-02-01824-002 | 1107-01B | | White Powdery; Chalky; Brown Fibrous; Inhomogeneous | NAD | 15% Cellulose 85% Non-Fibrous |
| 16-02-01824-003 | 1107-02A | | Beige Fibrous; White Paint; Inhomogeneous | NAD | 65% Cellulose 20% Fibrous Glass 15% Non-Fibrous |
| 16-02-01824-004 | 1107-02B | | Beige Fibrous; White Paint; Inhomogeneous | NAD | 65% Cellulose 20% Fibrous Glass 15% Non-Fibrous |
| 16-02-01824-005A | 1107-03A | Cove Base | Black Rubbery Vinyl; Homogeneous | NAD | 100% Non-Fibrous |

Environmental Hazards Services, L.L.C

Client Number: 44-3087
 Project/Test Address: 4143-16-018, 1107 W. Market St.;
 Johnson City, TN

Report Number: 16-02-01824

| Lab Sample Number | Client Sample Number | Layer Type | Lab Gross Description | Asbestos | Other Materials |
|-------------------|----------------------|------------|---|----------|----------------------------------|
| 16-02-01824-005B | 1107-03A | Mastic | Dark Yellow Adhesive; Homogeneous | NAD | 100% Non-Fibrous |
| 16-02-01824-006A | 1107-03B | Cove Base | Black Rubbery Vinyl; Homogeneous | NAD | 100% Non-Fibrous |
| 16-02-01824-006B | 1107-03B | Mastic | Dark Yellow Adhesive; Homogeneous | NAD | 100% Non-Fibrous |
| 16-02-01824-007A | 1107-04A | Other * | Dark Brown Fibrous; White Paint-Like; Inhomogeneous | NAD | 80% Cellulose 20% Non-Fibrous |
| *Panel | | | | | |
| 16-02-01824-007B | 1107-04A | Mastic | Beige Rubbery Adhesive; Homogeneous | NAD | 4% Cellulose 96% Non-Fibrous |
| 16-02-01824-008A | 1107-04B | Other * | Dark Brown Fibrous; White Paint-Like; Inhomogeneous | NAD | 80% Cellulose 20% Non-Fibrous |
| *Panel | | | | | |
| 16-02-01824-008B | 1107-04B | Mastic | Beige Rubbery Adhesive; Homogeneous | NAD | 2% Cellulose 98% Non-Fibrous |

Environmental Hazards Services, L.L.C

Client Number: 44-3087

Report Number: 16-02-01824

Project/Test Address: 4143-16-018, 1107 W. Market St.;
Johnson City, TN

| Lab Sample Number | Client Sample Number | Layer Type | Lab Gross Description | Asbestos | Other Materials |
|-------------------|----------------------|------------|--|----------|----------------------------------|
| 16-02-01824-009 | 1107-05A | | Pale Gray Powdery; Brown Fibrous; Off-White Paint-Like; Inhomogeneous | NAD | 20% Cellulose 80% Non-Fibrous |
| 16-02-01824-010 | 1107-05B | | Pale Gray Powdery; Brown Fibrous; Off-White Paint-Like; Inhomogeneous | NAD | 20% Cellulose 80% Non-Fibrous |
| 16-02-01824-011 | 1107-06A | | Black Rubbery; Homogeneous | NAD | 100% Non-Fibrous |
| 16-02-01824-012 | 1107-06B | | Black Rubbery; Homogeneous | NAD | 100% Non-Fibrous |

Environmental Hazards Services, L.L.C

Client Number: 44-3087
Project/Test Address: 4143-16-018, 1107 W. Market St.;
Johnson City, TN

Report Number: 16-02-01824

| Lab Sample Number | Client Sample Number | Layer Type | Lab Gross Description | Asbestos | Other Materials |
|-------------------|----------------------|------------|-----------------------|----------|-----------------|
|-------------------|----------------------|------------|-----------------------|----------|-----------------|

QC Sample: 84-M22010-2
QC Blank: SRM 1866 Fiberglass
Reporting Limit: 1% Asbestos
Method: EPA Method 600/R-93/116, EPA Method 600/M4-82-020
Analyst: Katherine Charles Harris



Reviewed By Authorized Signatory:

Tasha Eaddy
QA/QC Clerk

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Each distinct component in an inhomogeneous sample was analyzed separately and reported as a composite. Results represent the analysis of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Service, L.L.C. California Certification #2319 NY ELAP #11714 NVLAP #101882-0 VELAP 460172. All information concerning sampling location, date, and time can be found on Chain-of-Custody. Environmental Hazards Services, L.L.C. does not perform any sample collection.

Environmental Hazards Services, L.L.C. recommends reanalysis by point count (for more accurate quantification) or Transmission Electron Microscopy (TEM), (for enhanced detection capabilities) for materials regulated by EPA NESHAP (National Emission Standards for Hazardous Air Pollutants) and found to contain less than ten percent (<10%) asbestos by polarized light microscopy (PLM). Both services are available for an additional fee.

400 Point Count Analysis, where noted, performed per EPA Method 600/R-93/116 with a Reporting Limit of 0.25%.

* All California samples analyzed by Polarized Light Microscopy, EPA Method 600/M4-82-020, Dec. 1982.

LEGEND: NAD = no asbestos detected

12812

ENVIRONMENTAL HAZARDS SERVICES, L.L.C.
7469 Whitepine Road Richmond, Virginia 23237 Phone (804) 275-4788 Fax (804) 275-4907

CHAIN OF CUSTODY FORM

Company Name: S&ME INC./Knoxville Branch
Address: 1413 Topside Road
City, State, Zip: Louisville, Tennessee 37777
EHS Client Account #: 44-3087A
Phone #: (865) 970-0003
P.O. #: 4143-16-018

Date: 2/15/2016
Contact Name: Emmy Buckingham
Sampler Name: Emmy Buckingham
Project #: 1107 W. Market St.
 Johnson City, TN
 4143-16-018

Fax #: 865-970-2312

| Sample Number | Sample Date & Time | Asbestos | | | | Lead | | | | Other Metals (Specify metals below) | | | | Indoor Air Quality | | | | Particulate: Total Nuisance (NIOSH 0500) | | Comments: | | | | | | |
|---------------|--------------------|----------------|-------------------|-----------------|-----------------|----------------------|-----|-----------|-------------|--|------|-------------------|-----------|--------------------|-------------|--------------|---------------------|--|-------|-----------|--------------|--------------|------|--|--|---------------|
| | | Bulk ID by PLM | (PCM) Fiber Count | PLM Gravimetric | TEM AHERA (Air) | TEM Chatfield (Bulk) | Air | Paint (%) | Paint (PPM) | Paint (mg/cm ²) | Soil | Wipe * (See Note) | TCLP (Pb) | Waste Water | TCLP RCRA 8 | Welding Fume | Toxic Metal Profile | Biocassette | Slide | | Surface Swab | Surface Tape | Bulk | Air Volume (L) OR Wipe Area (ft ²) OR Scrape Area (cm ²) | Respirable (NIOSH 0600) | |
| 1107-01A | 2/15/16 | X | | | | | | | | | | | | | | | | | | | | | | | Comments: Standard Turnaround Time Rush 24 Hour | |
| 1107-01B | | X | | | | | | | | | | | | | | | | | | | | | | | | Positive Stop |
| 1107-02A | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 1107-02B | | X | | | | | | | | | | | | | | | | | | | | | | | | Positive Stop |
| 1107-03A | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 1107-03B | | X | | | | | | | | | | | | | | | | | | | | | | | | Positive Stop |
| 1107-04A | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 1107-04B | | X | | | | | | | | | | | | | | | | | | | | | | | | Positive Stop |
| 1107-05A | | X | | | | | | | | | | | | | | | | | | | | | | | Positive Stop | |
| 1107-05B | | X | | | | | | | | | | | | | | | | | | | | | | | | Positive Stop |



Due Date:
 02/16/2016
 (Tuesday)
 AEM Inv

JMK

* Do wipe samples submitted meet ASTM E1792 requirements? Yes No

Released by: Emmy Buckingham
Received by: S. Nicollet
Released by:
Received by:

Date/Time: 2/15/2016 - 16:00
Date/Time: 2/16/16
Date/Time:
Date/Time:

1874

ENVIRONMENTAL HAZARDS SERVICES, L.L.C.
 7469 Whitepine Road Richmond, Virginia 23237 Phone (804) 275-4788 Fax (804) 275-4907

CHAIN OF CUSTODY FORM

Company Name: S&ME INC./Knoxville Branch Date: 2/15/2016
 Address: 1413 Topside Road Contact Name: Emmy Buckingham
 City, State, Zip: Louisville, Tennessee 37777 Sampler Name: Emmy Buckingham
 EHS Client Account #: 44-3087A Project #: 1107 W. Market St. Johnson City, TN
 Phone #: (865) 970-0003 Fax #: 865-970-2312 P.O. #: 4143-16-018
4143-16-018

| Sample Number | Sample Date & Time | Asbestos | | | | Lead | | | | Other Metals (Specify metals below) | | | | Indoor Air Quality | | | | Particulate: Total Nuisance (NIOSH 0500) <input type="checkbox"/> Respirable (NIOSH 0600) <input type="checkbox"/> | | Comments: | | | | |
|---------------|--------------------|----------------|-------------------|-----------------|-----------------|----------------------|-----|-----------|-------------|--|------|-------------------|-----------|--------------------|-------------|--------------|---------------------|--|-------|-----------|--------------|--------------|------|--|
| | | Bulk ID by PLM | (PCM) Fiber Count | PLM Gravimetric | TEM AHERA (Air) | TEM Chatfield (Bulk) | Air | Paint (%) | Paint (PPM) | Paint (mg/cm ²) | Soil | Wipe * (See Note) | TCLP (Pb) | Waste Water | TCLP RCRA 8 | Welding Fume | Toxic Metal Profile | Biocassette | Slide | | Surface Swab | Surface Tape | Bulk | Air Volume (L) OR Wipe Area (ft ²) OR Scrape Area (cm ²) |
| 1107-06A | 2/15/2016 X | | | | | | | | | | | | | | | | | | | | | | | Comments: Standard Turnaround Time Rush 24 Hour |
| 1107-06B | 2/15/2016 X | | | | | | | | | | | | | | | | | | | | | | | Positive Stop |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | |

* Do wipe samples submitted meet ASTM E1792 requirements? Yes No

Released by: Emmy Buckingham Signature: Emmy Buckingham Date/Time: 2/15/2016 16:00
 Received by: Spicole Signature: Spicole Date/Time: 2/16/16
 Released by: Signature: Date/Time:
 Received by: Signature: Date/Time:



Environmental Hazards Services, L.L.C.
 7469 Whitepine Rd
 Richmond, VA 23237
 Telephone: 800.347.4010

Asbestos Bulk Analysis Report

Report Number: 16-02-02820

Client: S&ME Inc. - Louisville
 1413 Topside Road
 Louisville, TN 37777

Received Date: 02/24/2016
 Analyzed Date: 02/25/2016
 Reported Date: 02/25/2016

Project/Test Address: 1107 West Market St.; Johnson City, TN

Client Number:
 44-3087

Fax Number:
 865-970-2312

Laboratory Results

| Lab Sample Number | Client Sample Number | Layer Type | Lab Gross Description | Asbestos | Other Materials |
|-------------------|----------------------|------------|---|----------|---|
| 16-02-02820-001 | 1107-07A | | Gray Powder; Homogeneous | NAD | 2% Cellulose 2% Fibrous Glass 96% Non-Fibrous |
| 16-02-02820-002 | 1107-07B | | Gray Powder; Homogeneous | NAD | 2% Cellulose 2% Fibrous Glass 96% Non-Fibrous |
| 16-02-02820-003 | 1107-08A | | Black Tar-Like; Brown Fibrous; Inhomogeneous | NAD | 27% Cellulose 11% Fibrous Glass 62% Non-Fibrous |
| 16-02-02820-004 | 1107-08B | | Black Tar-Like; Brown Fibrous; Inhomogeneous | NAD | 27% Cellulose 11% Fibrous Glass 62% Non-Fibrous |

Environmental Hazards Services, L.L.C

Client Number: 44-3087

Report Number: 16-02-02820

Project/Test Address: 1107 West Market St.; Johnson City, TN

| Lab Sample Number | Client Sample Number | Layer Type | Lab Gross Description | Asbestos | Other Materials |
|-------------------|----------------------|------------|-----------------------|----------|-----------------|
|-------------------|----------------------|------------|-----------------------|----------|-----------------|

QC Sample: 86-M22013-3

QC Blank: SRM 1866 Fiberglass

Reporting Limit: 1% Asbestos

Method: EPA Method 600/R-93/116, EPA Method 600/M4-82-020

Analyst: Christian H. Schaible

Reviewed By Authorized Signatory:



Tasha Eaddy
QA/QC Clerk

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Each distinct component in an inhomogeneous sample was analyzed separately and reported as a composite. Results represent the analysis of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Service, L.L.C. California Certification #2319 NY ELAP #11714 NVLAP #101882-0 VELAP 460172. All information concerning sampling location, date, and time can be found on Chain-of-Custody. Environmental Hazards Services, L.L.C. does not perform any sample collection.

Environmental Hazards Services, L.L.C. recommends reanalysis by point count (for more accurate quantification) or Transmission Electron Microscopy (TEM), (for enhanced detection capabilities) for materials regulated by EPA NESHAP (National Emission Standards for Hazardous Air Pollutants) and found to contain less than ten percent (<10%) asbestos by polarized light microscopy (PLM). Both services are available for an additional fee.

400 Point Count Analysis, where noted, performed per EPA Method 600/R-93/116 with a Reporting Limit of 0.25%.

* All California samples analyzed by Polarized Light Microscopy, EPA Method 600/M4-82-020, Dec. 1982.

LEGEND: NAD = no asbestos detected

4 PL M



Environmental Hazards Services, LLC
www.leadlab.com 7469 Whitepine Rd
(800)347-4010 Richmond, VA
(804)275-4907 (fax) 23237

Asbestos Chain-of-Custody

16-02-02820



Due Date:
02/25/2016
(Thursday)
AE M Inv

Company Name: **S&ME Knoxville Branch** Address: **1413 Topside Road** City/State/Zip: **Louisville, Tennessee 37777**

Phone: **(865) 970-0003** Fax: () Project Name / Testing Address: **1107 West Market St.** Acct. Number: **44-3087A**

City/State (Required): **Johnson City, TN** E-mail: **Emmy Buckingham <EBuckingham@smeinc.com>**

Collected by: **Marshall Bagley** Purchase Order Number: **4143-16-018**

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 | | | |
|-----|------------------|----------------|----------|----------------|-----------------|-----------------|-----|----------------------|----------------|---------|----------|----------|-------------------|----------------------|---|
| | | | PLM | PM10 Count 400 | PM10 Count 1000 | PLM NY Protocol | PCM | TEM Certified (Bulk) | TEMAHERA (Air) | Time On | Time Off | | Flow Rate (L/min) | Total Time (minutes) | Volume (Total Liters) |
| 1 | 1107-07A | 2/23/2016 | ✓ | | | | | | | | | | | | white solid ceiling tile in carwash |
| 2 | 1107-07B | 2/23/2016 | ✓ | | | | | | | | | | | | white solid ceiling tile in carwash |
| 3 | 1107-08A | 2/23/2016 | ✓ | | | | | | | | | | | | Black felt mastic over tan insulation on metal roof |
| 4 | 1107-08B | 2/23/2016 | ✓ | | | | | | | | | | | | Black felt mastic over tan insulation on metal roof |
| 5 | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

Released by: **Marshall Bagley**

Received by: **STONE**

Signature:

Signature:

Date/Time: 2/23/2016 - 1500

Date/Time: 2/24/16



Environmental Hazards Services, L.L.C.
 7469 Whitepine Rd
 Richmond, VA 23237
 Telephone: 800.347.4010

Lead Paint Chip Analysis Report

Report Number: 16-02-01822

Client: S&ME Inc. - Louisville
 1413 Topside Road
 Louisville, TN 37777

Received Date: 02/16/2016
 Analyzed Date: 02/16/2016
 Reported Date: 02/16/2016

Project/Test Address: 4143-16-018; 1107 W. Market St.; Johnson City, TN
 Collection Date: 02/15/2015

Client Number:
 44-3087

Laboratory Results

Fax Number:
 865-970-2312

| Lab Sample Number | Client Sample Number | Collection Location | Pb (ug/g) ppm | % Pb by Wt. | Narrative ID |
|-------------------|----------------------|---------------------|---------------|-------------|--------------|
| 16-02-01822-001 | 1107-01L | | <36 | <0.0036 | |
| 16-02-01822-002 | 1107-02L | | <61 | <0.0061 | |
| 16-02-01822-003 | 1107-03L | | <53 | <0.0053 | |

Environmental Hazards Services, L.L.C

Client Number: 44-3087

Report Number: 16-02-01822

Project/Test Address: 4143-16-018; 1107 W. Market St.; Johnson City, TN

| Lab Sample Number | Client Sample Number | Collection Location | Pb (ug/g) ppm | % Pb by Wt. | Narrative ID |
|-------------------|----------------------|---------------------|------------------|-------------|--------------|
|-------------------|----------------------|---------------------|------------------|-------------|--------------|

Method: EPA SW846 7000B

Reviewed By Authorized Signatory:



Deborah Britt
QA/QC Clerk

The HUD lead guidelines for lead paint chips are 0.50% by Weight, 5000 ppm, or 1.0 mg/cm². The Reporting Limit (RL) is 10.0 ug Total Pb. Paint chip area and results are calculated based on area measurements determined by the client. All internal quality control requirements associated with this batch were met, unless otherwise noted.

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Sample location, description, area, etc., was provided by the client. Results reported above in mg/cm³ are calculated based on area supplied by client. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Service, L.L.C. California Certification #2319 NY ELAP #11714.

| | | | |
|--------|----------------------------|----------------|-------------------------|
| LEGEND | Pb= lead | ug = microgram | ppm = parts per million |
| | ug/g = micrograms per gram | Wt. = weight | |
