Asbestos & Lead-Based Paint Assessment Report
Whitmire Town Hall
Whitmire, South Carolina
S&ME Project No. 4261-18-009

PREPARED FOR:
Newberry County
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Newberry, SC 29108
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PREPARED BY:
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February 5, 2018

ASSESSMENT PERFORMED BY:
Bobby McAllister & Travis Knight, CHMM, CIEC
SCDHEC Lic. #BI-01429 & BI-00885
Assessment date: January 24, 2018

February 5, 2018

Newberry County
1301 College Street
Newberry, South Carolina 29108

Attention: Mr. Ervin West
ewest@newberrycounty.net

Reference: **Asbestos & Lead-Based Paint Assessment**
Whitmire Town Hall
210 Main Street
Whitmire, South Carolina
S&ME Project No. 4261-18-009

Dear Mr. West:

S&ME, Inc. (S&ME) is pleased to provide the enclosed report detailing our asbestos and lead-based paint assessment at the referenced site. The purpose of the assessment was to identify, to the extent feasible, potential asbestos-containing materials (ACMs) and lead-based paint (LBP) associated with the structures which are scheduled for renovations and demolition. Our services were performed in general accordance with S&ME Proposal No. 42-1800004, dated January 3, 2018 and the Master Services Agreement between S&ME and Newberry County dated March 25, 2011. The following report includes the project background, sampling and analysis procedures, findings and results, and conclusions and recommendations as necessary.

This report is provided for the use of the client. 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 assessment and of the specific areas referenced.

We appreciate the opportunity to provide you with our industrial hygiene/environmental services. If you have any questions concerning this report, please call us at (803) 561-9024.

Sincerely,

S&ME, Inc.

Travis Knight, CHMM, CIEC
Asbestos Building Inspector
(SCDHEC Lic. No. BI-00885)

Tom Behnke, P.G., CHMM
Environmental Services Manager
(SCDHEC Lic. No. MP-00004)

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Executive Summary

S&ME conducted an asbestos and lead-based paint assessment of the Whitmire Town Hall located at 210 Main Street in Whitmire, South Carolina on January 24, 2018. The building consists of a two-story masonry structure that contains various offices and storage rooms. A single story garage building with a stucco exterior is attached on the northeast end of the Town Hall. The purpose of the assessment was to identify asbestos-containing materials (ACMs) and lead-based paint coatings associated with the structures prior to renovations and demolition activities.

The Town Hall building is a two-story wood frame structure with stucco over masonry exterior. The building consists of Town Clerk, Police Department, Mayors Office and Public Works Office. The attached garage building is a single-story wood framed structure that is used as storage space. The Town Hall building contains approximately 4,269 square feet of interior space. The attached garage building contains approximately 4,000 square feet of space. The subject building was occupied at the time of the assessment. We understand that renovations are planned for the Town Hall and the attached garage building will be demolished.

Asbestos

The asbestos assessment was performed in general accordance with the South Carolina Department of Health and Environmental Control (SCDHEC) Regulation 61-86.1, *Standards of Performance for Asbestos Projects* effective May 27, 2011 and with the National Emission Standards for Hazardous Air Pollutants (NESHAP) and the Asbestos Hazard Emergency Response Act (AHERA). The

The asbestos assessment included the bulk sampling and analysis of suspect ACMs from the subject building. The suspect materials identified in the building consist of various styles of vinyl floor tiles and floor tile mastic, linoleum, spray-applied ceiling texture, suspended ceiling tiles, drywall, drywall joint compound, plaster and skim coat, two styles of duct sealant, sink coating, exterior stucco and roofing materials.

The Environmental Protection Agency (EPA) and SCDHEC define materials as asbestos-containing if an asbestos content of greater than one percent (>1%) is detected in a representative sample. *Asbestos, in concentrations greater than one percent, was identified as a result of the assessment.* Below is a summary of ACMs identified in the structures:

Table E-1 Town Hall ACM Summary

Material	[1]Material Location	[2]Type	Asbestos Type & Percent	[3]Condition	[4]Approx. Quantity
12-inch gray vinyl floor tile & Black mastic	North side corridor and Police Department	Misc.	Chrysotile 3%	Good, NF	280 SF
Black vinyl floor tile	Beneath vinyl floor tile in lobby and carpet in clerk's office	Misc.	Chrysotile 10%	Good, NF	250 SF

Material	[1]Material Location	[2]Type	Asbestos Type & Percent	[3]Condition	[4]Approx. Quantity
Tan/Black floor tile mastic	Beneath self-adhesive tile in women's restroom.	Misc.	Chrysotile 5%	Good, NF	15 LF

NF = Non-friable F = Friable SF = Square feet LF = Linear feet

[1]Refer to Appendix I for specific sample locations.

[2]Type: Misc. = Miscellaneous Surf. = Surfacing TSI = Thermal System Insulation

[3]Cond = Condition: Good, Damaged or Significantly Damaged

[4]Quantities are approximate and should not be used for cost estimates or bidding purposes.

Table E-2 Garage Building ACM Summary

Material	Material Location	Type	Asbestos Type & Percent	Condition	*Approx. Quantity
No Asbestos-Containing Materials Identified.					

Lead-Based Paint

Painted surfaces throughout the interior and exterior of the subject buildings were considered suspect and analyzed for lead content. The coated surfaces exceeding the SCDHEC disposal criteria of 0.7 milligrams per square centimeter (mg/cm^2) were considered lead-based paint for the purpose of this assessment. The below tested surfaces exceeded the 0.7 mg/cm^2 threshold.

- Gray metal door to old jail area (Town Hall);
- Tan wooden door located under the stairway in the lobby (Town Hall).

Destructive actions to paint containing detectable levels of lead (*e.g.* paint preparation, component removal, demolition, sanding, grinding, burning, etc.) may require the contractor to comply with the standards of the OSHA regulations 29 CFR 1926.62 (Lead in Construction), including but not limited to training, initial exposure monitoring, the use of personal protective equipment, and medical surveillance. The determination of OSHA applicability is the responsibility of the contractor and dependent upon the paint condition and the planned treatment of the finishes.

This summary is for convenience only and should not be relied upon without first reading the full contents of this report, including appended materials.

1.0 Introduction

Newberry County retained S&ME to conduct an asbestos and lead-based paint assessment of the Whitmire Town Hall building located at 210 Main Street in Whitmire, South Carolina. The assessment was performed by Travis Knight, CHMM, CIEC and Bobby McAllister of S&ME on January 24, 2018. Mr. Knight and Mr. McAllister are Asbestos Building Inspectors licensed by the South Carolina Department of Health and Environmental Control (SCDHEC). An Asbestos-Containing Material (ACM) is defined by State and Federal regulations as a building material containing greater than one percent (>1%) of one of the six asbestos minerals regulated by the Environmental Protection Agency (EPA) and the Occupational Safety and Health Administration (OSHA).

This Asbestos and Lead-Based Paint Assessment was performed in general accordance with S&ME Proposal No. 42-1800004, dated January 3, 2018 and SCDHEC Regulation 61-86.1.

Demolition and renovation activities in public and commercial buildings are regulated by OSHA, EPA and SCDHEC. The EPA and SCDHEC require asbestos assessments, conducted by licensed individuals, prior to renovation and/or demolition projects. Code 40 of Federal Regulations Part 61, Subpart M, Final Rule, National Emissions Standards for Hazardous Air Pollutants (NESHAP) and SCDHEC Regulation 61-86.1 require asbestos assessments, followed by the proper removal, and disposal of ACM that is affected by renovation or demolition. The identification of ACMs will aid in the prevention of occupational exposures and/or environmental releases of airborne asbestos. Identification of ACM is also required by OSHA 1926.1101. The EPA, OSHA and SCDHEC define ACM as materials containing greater than one (1) percent asbestos in a representative sample. However, OSHA also regulates materials containing less than or equal to one percent asbestos.

2.0 Asbestos Assessment

2.1 Purpose

The purpose of the asbestos assessment was to identify the presence and quantity of asbestos-containing materials associated with the interior and exterior of the subject buildings prior to renovation and demolition activities. The identification of ACMs will aid in the prevention of occupational exposures and/or environmental releases of airborne asbestos. Identification of ACMs also complies with Title 40 Code of the Federal Regulations, part 61, and State Regulation 61-86.1 enforced by the SCDHEC, along with Title 29 Code of Federal Regulations, part 1926 enforced by OSHA.

2.2 Site Description

The Town Hall building is a two-story wood frame structure with stucco over masonry exterior. The building consists of Town Clerk, Police Department, Mayors Office and Public Works Office. The attached garage building is a single-story wood frame structure and is used as storage space. The Town Hall building contains approximately 4,269 square feet of interior space. The attached garage building contains approximately 4,000 square feet of space. The subject building was occupied at the time of the assessment. We understand that renovations are planned for Town Hall and the attached garage building will be demolished.

The following sections describe the assessment procedures used, results of the suspect ACMs sampled and analyzed, and conclusions and recommendations regarding the subject site as related to ACMs.

2.3 Investigative Procedures and Analysis

A visual assessment of the referenced structures was performed to determine the homogeneous areas (HAs) of suspect ACMs. Based on EPA definitions used in the Asbestos Hazard Emergency Response Act (AHERA), 40 CFR 763, an HA of suspect asbestos-containing building material has the same color and texture and is thought to be installed within the same timeframe. S&ME assessed the interior and exterior of the building, including roofing materials for suspect ACMs, including thermal system insulation (TSI), surfacing materials, and miscellaneous materials. Significant destructive investigative techniques and sampling were not performed as part of this assessment. Consequently, the possibility exists that suspect materials were not detected in inaccessible areas such as flooring overlays, pipe chases, locked rooms, or wall voids or in areas deemed unsafe to enter by the asbestos inspectors. If additional suspect materials are discovered during future renovation or demolition activities, bulk samples should be collected and analyzed for asbestos content.

Suspect flooring materials identified in the building consist of two colors of 12-inch vinyl floor tiles and associated mastics and linoleum. Suspect surfacing materials consisted of limited plaster walls and joint compound associated with the drywall wall systems. Additional suspect ACMs that were observed and sampled include vinyl baseboard and mastic, suspended ceiling tiles, drywall, two colors of sealant on fiberglass HVAC duct insulation, texture ceiling, exterior stucco and roofing materials.

A sampling strategy was developed to provide representative samples of suspect asbestos-containing materials in accordance with OSHA, SCDHEC and EPA. Bulk samples were then extracted from suspect ACMs and recorded on a chain of custody record and submitted to an asbestos laboratory. The samples were submitted to EMSL Analytical's laboratory in Pineville, North Carolina for analysis via the following methods.

Polarized Light Microscopy (PLM)
The suspect materials were analyzed by trained microscopists using PLM techniques coupled with dispersion staining in accordance with EPA Test Method Title 40 Code of Federal Regulations, Chapter I (1-1-87 edition), Part 763, Subpart F-APPENDIX A. This method identifies asbestos mineral fibers based on six optical characteristics: morphology, birefringence, refractive index, extinction angle, sign of elongation and dispersion staining colors. The laboratory analysis reports the specific type of asbestos identified (there are six asbestos minerals) and the percentage of asbestos present.

Transmission Electron Microscopy (TEM)
In accordance with SCDHEC Regulation 61-86.1, Transmission Electron Microscopy (TEM) confirmation analysis is required to be performed on one sample of any non-friable organically bound material (NOB) that tests negative via PLM analysis. The TEM analysis was performed using EPA 600 Method in accordance with ASTM E2356.

Both the PLM and the TEM laboratories are accredited by the National Voluntary Laboratory Accreditation Program (NVLAP), which is administered by the National Institute of Standards and Technology.

2.4 Assessment

Identified ACMs were assessed based on the observed condition (good, damaged or significantly damaged) and potential for disturbance. Identified ACMs were also categorized based on the EPA's NESHAP regulation categories. A friable ACM is classified as an ACM that can be crumbled to a powder by moderate hand pressure. A non-friable ACM is classified as either Category I or Category II non-friable ACM. Category I and Category II non-friable ACMs are distinguished from each other by their fiber release potential when damaged. Generally, Category I non-friable ACM, which by definition includes intact asbestos-containing roofing materials, gaskets, packing, and resilient floor coverings is less likely to become friable and release fibers in a damaged state. Category II non-friable ACM include all other non-friable ACMs excluding Category I that have a high probability of being rendered friable during removal activities or demolition. All Friable ACM, Category I non-friable ACM that has become friable, Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting or abrading, or Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations are considered to be a Regulated Asbestos-Containing Material (RACM).

2.5 Findings and Results

The asbestos assessments conducted on January 24, 2018 included the quantification and random bulk sampling of various suspect asbestos-containing materials located on the interior and exterior of the subject buildings. Of the representative materials sampled and analyzed during this assessment, asbestos in concentrations >1% was identified in the following materials summarized below. Photographs of general site conditions are presented in **Appendix II**.

Table 2-1 Town Hall ACM Summary

Material	[1]Material Location	[2]Type	Asbestos Type & Percent	[3]Condition	[4]Approx. Quantity
12-inch gray vinyl floor tile & Black mastic	North side corridor and Police Department	Misc.	Chrysotile 3%	Good, NF	280 SF
Black vinyl floor tile	Beneath vinyl floor tile in lobby and carpet in clerk's office	Misc.	Chrysotile 10%	Good, NF	250 SF
Tan/Black floor tile mastic	Beneath self-adhesive tile in women's restroom.	Misc.	Chrysotile 5%	Good, NF	15 SLF

NF = Non-friable F = Friable SF = Square feet LF = Linear feet

[1]Refer to Appendix I for specific sample locations.

[2]Type: Misc. = Miscellaneous Surf. = Surfacing TSI = Thermal System Insulation

[3]Cond = Condition: Good, Damaged or Significantly Damaged

[4]Quantities are approximate and should not be used for cost estimates or bidding purposes.

Table 2-2 Garage Building ACM Summary

Material	Material Location	Type	Asbestos Type & Percent	Condition	*Approx. Quantity
No Asbestos-Containing Materials Identified.					

A material with an asbestos content less than or equal to one percent is not classified as an ACM applicable to EPA and SCDHEC; however, trace levels of asbestos (less than one percent) in a material is subject to OSHA regulatory requirements in 29 CFR 1926.1101, to include, but not limited to, worker protection, using wet methods, proper clean-up, use of proper tools/equipment, engineering controls, etc.

In accordance with SCDHEC Regulation 61-86.1, TEM analysis was performed on one sample of each of the non-friable, organically-bound (NOB) materials that displayed a result of no asbestos detected or less than 1% asbestos via PLM analysis. NOBs consist of materials such as vinyl floor tiles, vinyl baseboards and mastics. Please refer to Table I-I in **Appendix I** for more detail regarding which samples of NOB materials were submitted for TEM analysis. The TEM analysis confirmed that no asbestos is present in the samples that were analyzed at concentrations >1%.

Photographs of site conditions are provided in **Appendix II**. The laboratory reports are provided in **Appendix IV.**

3.0 Lead-Based Paint Assessment

3.1 Investigative Procedures

The lead-based paint assessment was conducted for compliance with the SCDHEC limit of 0.7 milligrams (mg) of lead per square centimeter (cm^2) of painted surface for lead-based paint coated waste. SCDHEC, Health Division defines lead-based paint as a coating containing lead in quantities ≥0.7 mg/cm^2 (SCDHEC, Health Division definition #4-53-1320f). Any coated surfaces meeting or exceeding the SCDHEC limit of 0.7 mg/cm^2 were considered lead-based paint for the purpose of this assessment.

OSHA does not recognize a threshold level of lead for definition purposes, only the presence or absence of lead. The current OSHA regulations recognize an airborne action level of thirty micrograms of lead per cubic meter of air (30 $\mu g/m^3$) during an eight-hour day and a permissible exposure level of fifty micrograms per cubic meter (50 $\mu g/m^3$).

Representative covered building components and surfaces were analyzed utilizing a Niton XLp-300A X-Ray Fluorescence (XRF) spectrum analyzer (serial #95004). The suspect painted finishes were selected based on the color of the topcoat and the underlying paint layers and/or the substrate on which it was applied. The possibility exists that lead-based paint finishes are present in inaccessible areas not tested such as pipe chases, wall voids, etc.

Attached in **Appendix III** is a summary of the paint readings analyzed by the XRF spectrum lead analyzer. The XRF summary provides the sample numbers, sample location, component, substrate, paint color, condition, and results.

3.2 Findings and Results

Coated surfaces throughout the interior and exterior of the subject structures were tested for the presence of lead-based paint. Coated surfaces meeting or exceeding the SCDHEC limit of 0.7 milligrams of lead per square centimeter (0.7 mg/cm^2) were considered lead-based paint for the purpose of this assessment. The below tested surfaces exceeded the 0.7 mg/cm^2.

- Gray metal door at the entrance to the old jail of the Town Hall Building (2.7 mg/cm^2);
- Tan wooden door located beneath the stairway in the lobby of the Town Hall Building (6.6 mg/cm^2).

4.0 Conclusions and Recommendations

The asbestos and lead-based paint assessment conducted on the Whitmire Town Hall located at 210 Main Street in Whitmire, South Carolina identified the presence of asbestos-containing materials and lead-based paint. Our findings and conclusions are summarized below.

4.1 Asbestos Conclusions

The asbestos assessment identified the presence of asbestos-containing materials in the Town Hall building as follows:

- *12-inch Gray vinyl floor tiles and associated black mastic* (3% chrysotile) located in the Police Department and north corridor – Refer to Photograph 3. The asbestos-containing vinyl floor tiles and associated black mastic are Category I non-friable materials in good dondition. Approxiamtely 280 square feet of the floor tiles and black mastic is estimated to be present.
- *Black vinyl floor tiles* (10% chrysotile) located beneath the 12-inch dark gray vinyl floor tile in the lobby and beneath the carpeting in the clerks office – Refer to Photograph 4. The asbestos-containing vinyl floor tiles are Category I non-friable materials in good condition. Approximately 250 square feet of the floor tiles are estimated to be present.
- *Tan/black mastic* (4% chrysotile) located beneath the self-adhesive floor tiles in the women's restrooms – Refer to Photograph 5. The asbestos-containing mastic is a Category I non-friable material in good condition. Approximately 15 square feet of black mastic is estimated to be present.
- No asbestos-containing materials were identified in the Garage Building.

S&ME recommends proper removal and disposal of the ACMs by a licensed asbestos abatement contractor, prior to activities that may disturb an ACM. State and Federal regulations should be carefully considered in order to verify compliance before any actions are initiated that may disturb an ACM. If additional suspect ACMs not included in this report are discovered and will be disturbed by the renovation/demolition activities, bulk samples must be collected by a licensed asbestos inspector and analyzed for asbestos content, prior to disturbance of the suspect material(s).

Asbestos removal requires written notification to SCDHEC, specific removal procedures, proper transportation, and disposal per state and federal regulations. The identification and proper removal of ACM prior to demolition or renovation will aid in the prevention of occupational exposures and/or environmental releases of airborne asbestos. If ACMs are managed in place, OSHA requirements apply to employees that may contact or disturb ACMs, including maintenance and custodial workers.

In accordance with SCDHEC Regulation 61-86.1, project air monitoring must be performed by a SCDHEC licensed air sampler in conjunction with the removal of regulated asbestos materials (e.g. friable materials or non-friable materials rendered friable) that exceed the classification of a Small Project or are not regulated exterior removals. SCDHEC also requires a written project design when 3,000 square feet (or greater) of regulated ACMs are removed from a structure.

4.2 Lead-Based Paint Conclusions

The following coatings exceed the SCDHEC 0.7 mg/cm^2 limit for lead-based paint:

- Gray metal door at the entrance to the old jail in the Town Hall Building (2.7 mg/cm^2);
- Tan wooden door located beneath the stairway in the lobby in the Town Hall Building (6.6 mg/cm^2)

The client is advised that OSHA does not recognize a threshold level of lead for definition purposes, only the presence or absence of lead. Consequently, the OSHA regulations governing worker protection for lead-based paint may apply to work practices including the disturbance of paint systems with detectable levels of lead. Destructive actions (sanding, burning, demolition, component removal, paint preparation) to the lead-containing paint surfaces will require the contractor comply with the standards of OSHA, including but not limited to initial exposure monitoring, the use of personal protective equipment, and medical surveillance.

SCDHEC Regulation 61-107.19 permits demolition materials painted with lead-based paint (≥ 0.7 mg/cm^2) to be disposed in a permitted Class Two (C&D) or Class Three Subtitle D, Municipal Solid Waste (MSW) landfill.

Accumulations of paint waste (chips, dust, or flakes) must be tested by the Toxicity Characteristic Leaching Procedure (TCLP) to determine if the waste is classified as hazardous, which requires disposal in a Subtitle C (hazardous waste) landfill. Lead waste, at a minimum, must be disposed in a Class Two or Three landfill.

5.0 Limitations

This report is provided for the sole use of the Client. Use of this report by any other parties will be at such party's sole risk, and S&ME 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 period and of the specific areas referenced. Under no circumstances is this report to be used as a bidding document, or as a project design or specification for removal of ACM.

S&ME performed the services in accordance with generally accepted practices of reputable environmental consultants undertaking similar studies at the same time and in the same geographical area. S&ME has endeavored to meet this standard of care. No other warranty, expressed or implied, is intended or made with respect to this report or S&ME's services. Users of this report should consider the scope and limitations related to these services when developing opinions as to risks associated with the site. Additional limitations to our survey are as follows:

- Significant destructive sampling was not performed during the asbestos assessment. Additional suspect ACMs may be present in inaccessible locations such as in wall voids, pipe chases or flooring overlays. Consequently, if additional suspect materials are discovered during future renovation or demolition activities, bulk samples must be collected and analyzed for asbestos content.

- Portions of the subject building are finished with carpeting. Our assessment included observations under the carpeting in random locations; however, the complete removal of the carpeting would be necessary to account for any additional suspect ACMs that may be present.

- Portions of both subject building are finished with a suspended ceiling. Our assessment included observations above the ceiling in random locations; however, the complete removal of the ceiling and grid would be necessary to account for any additional suspect ACMs that may be present.

- The roofing system of the two-story portion of the Town Hall building was not included in this assessment as no renovations are planned at this time. Consequently, if the roofing system associated with the two-story portion of the Town Hall building is to be disturbed during future renovation or demolition activities, bulk samples must be collected and analyzed for asbestos content.

Appendices

Appendix I – Summary of Asbestos Sampling

Summary of Asbestos Sampling

Project Name:	Whitmire Town Hall	**Project Number:**	4261-18-009
Location:	Whitmire, South Carolina	**Sampling Date(s):**	January 24, 2018

Table I-I – Summary of Asbestos Sampling

HOMOGENEOUS AREA | **SAMPLE DATA**

HA Area	Material Description	Material Location	Quantity	[1]Cat (F/I/II)	[2]Type	[3]Condition / Potential for Disturbance	Sample Number	Sample Location	Percent and Type Asbestos
Town Hall									
FT1	**12-inch Gray vinyl floor tile and black mastic**	**Police Department and corridor**	**280 SF**	**I**	**Misc.**	**Good/Low**	**FT-1**	**Police Department**	**Tile – 3% Chrysotile**
									Mastic – 3% Chrysotile
							FT-2	**North side corridor**	**Tile – 3% Chrysotile**
									Mastic – 4% Chrysotile
							[4]FT-3	**South side corridor**	**Positve Stop**
									Positive Stop
LN1	Gray Linoleum	Hallway and office closet	120 SF	NA	Misc.	NA/NA	LN-1	Hallway	NAD
							LN-2	Hallway	Linoleum - NAD
									Mastic - NAD
							[4]LN-3	Office closet	Linoleum - NAD
									Mastic - NAD
TC1	Textured Ceiling	Throughout 1st Floor, police department, and stair well.	1,100 SF	NA	Surf.	NA/NA	TC-1	Police department	NAD
							TC-2	1st Floor Corridor	NAD
							TC-3	Stairwell	NAD
							TC-4	Office	NAD
							TC-5	Back ceiling clerk's office	NAD
DW1	Drywall		850 SF	NA	Misc.	NA/NA	DW-1	Hallway	NAD
							DW-2	Hallway	NAD

Summary of Asbestos Sampling

Project Name:	Whitmire Town Hall	**Project Number:**	4261-18-009
Location:	Whitmire, South Carolina	**Sampling Date(s):**	January 24, 2018

HOMOGENEOUS AREA **SAMPLE DATA**

HA Area	Material Description	Material Location	Quantity	[1]Cat (F/I/II)	[2]Type	[3]Condition / Potential for Disturbance	Sample Number	Sample Location	Percent and Type Asbestos
		Hallway, women's restroom and 2nd floor east wall					DW-3	Women's restroom	NAD
JC1	Joint Compound	Hallway, women's restroom and 2nd floor east wall	850 SF	NA	Surf.	NA/NA	JC-1	Hallway	NAD
							JC-2	Hallway	NAD
							JC-3	Women's restroom	NAD
							JC-4	2nd floor – east wall	NAD
							JC-5	2nd floor – east wall	NAD
FT2	12-inch Dark gray vinyl floor tile and mastic	Lobby and clerk's offfice	50 SF	NA	Misc.	NA/NA	FT-4	Lobby at clerk's office	Tile - NAD
									Mastic – NAD
							FT-5	Lobby at clerk's office	Tile – NAD
									Mastic - <1% Chrysotile
							[4]FT-6	Lobby at clerk's office	Tile – NAD
									Mastic – 0.71% Chrysotile
FT3	**Black VCT and mastic**	**Lobby beneath VCT and clerk's office beneath carpet**	**250 SF**	**I**	**Misc.**	**Good/Low**	**FT-7**	**Lobby beneath VCT**	**Tile – 10% Chrysotile**
									Mastic - <1% Chrysotile
							FT-8	**Clerk's office – beneath carpet**	**Tile – 8% Chrysotile**
									Mastic - <1% Chrysoitle
							[4]FT-9		**Postive Stop**

Summary of Asbestos Sampling

Project Name:	Whitmire Town Hall	**Project Number:**	4261-18-009
Location:	Whitmire, South Carolina	**Sampling Date(s):**	January 24, 2018

HOMOGENEOUS AREA **SAMPLE DATA**

HA Area	Material Description	Material Location	Quantity	[1]Cat (F/I/II)	[2]Type	[3]Condition / Potential for Disturbance	Sample Number	Sample Location	Percent and Type Asbestos
								Clearks office – beneath carpet	**Mastic – 0.77% Chrysotile**
FT4	**12-inch Gray self adhesive tile, mastic and leveler**	**Women's restroom**	**15 SF**	**I**	**Misc.**	**Good/Low**	**FT-10**	**Women's restroom**	**Tile – NAD**
									Mastic – 3% Chrysotile
									Leveller - NAD
							FT-11	**Women's restroom**	**Tile – NAD**
									Mastic – 4% Chrysotile
									Leveller - NAD
							[4]FT-12	**Women's restroom**	**Tile - NAD**
									Postive Stop
									Leveller - NAD
PL1	Plaster	Attic	750 SF	NA	Surf.	NA/NA	PL-1	Attic	Skim coat - NAD
									Rough coat - NAD
							PL-2	Attic	Skim coat - NAD
									Rough coat - NAD
							PL-3	Attic	Skim coat - NAD
									Rough coat - NAD
DM1	Black duct mastic	Jail	50 LF	NA	Misc.	NA/NA	DM-1	Jail	NAD
							DM-2	Jail	NAD
							[4]DM-3	Jail	NAD
DM2	White duct mastic	Jail	15 LF	NA	Misc.	NA/NA	DM-4	Jail	NAD

Summary of Asbestos Sampling

Project Name:	Whitmire Town Hall	**Project Number:**	4261-18-009
Location:	Whitmire, South Carolina	**Sampling Date(s):**	January 24, 2018

HOMOGENEOUS AREA **SAMPLE DATA**

HA Area	Material Description	Material Location	Quantity	[1]Cat (F/I/II)	[2]Type	[3]Condition / Potential for Disturbance	Sample Number	Sample Location	Percent and Type Asbestos
							DM-5	Jail	NAD
							[4]DM-6	Jail	NAD
CT1	2'x4' Ceiling tile	2nd floor ceilings	800 SF	NA	Misc.	NA/NA	CT-1	2nd Floor	NAD
							CT-2	2nd Floor	NAD
							CT-3	2nd Floor	NAD
Garage Building									
FT1	12-inch white vinyl floor tile and mastic	Central area of garage	558 SF	NA	Misc.	NA/NA	FT-1	Bay door	Tile - NAD
									Mastic - NAD
							FT-2	Center by wall	Tile - NAD
									Mastic - NAD
							[4]FT-3	by cabinet	Tile - NAD
									Mastic - NAD
FT2	12-inch Pink vinyl floor tile and mastic	Central area of garage	100 SF	NA	Misc.	NA/NA	FT-4	Bay door	Tile – NAD
									Mastic – NAD
							FT-5	Center by wall	Tile – NAD
									Mastic – NAD
							[4]FT-6	By cabinet	Tile – NAD
									Mastic - NAD
LN1	Tan square pattern linoleum and mastic	South side of garage	330 SF	NA	Misc.	NA/NA	LN-1	Restroom	Linoleum - NAD
									Mastic - NAD
							LN-2	Hallway	Linoleum - NAD
									Mastic - NAD
							[4]LN-3	Main area	Linoleum - NAD
									Mastic - NAD
PL1	Plaster	Water heater closet	80 SF	NA	Surf.	NA/NA	PL-1	Water heater closet	Skim coat - NAD

Summary of Asbestos Sampling

Project Name:	Whitmire Town Hall	**Project Number:**	4261-18-009
Location:	Whitmire, South Carolina	**Sampling Date(s):**	January 24, 2018

HOMOGENEOUS AREA **SAMPLE DATA**

HA Area	Material Description	Material Location	Quantity	[1]Cat (F/I/II)	[2]Type	[3]Condition / Potential for Disturbance	Sample Number	Sample Location	Percent and Type Asbestos
									Rough coat - NAD
							PL-2	Water heater closet	Skim coat - NAD
									Rough coat - NAD
							PL-3	Water heater closet	Skim coat - NAD
									Rough coat - NAD
TC1	Textured ceiling and joint compound	Central room, break room and restroom	620 SF	NA	Surf.	NA/NA	TC-1	Central room – break room	Texture – NAD
									JC – NAD
							TC-2	Central room – break room	Texture – NAD
									JC – NAD
							TC-3	Restroom	Texture – NAD
									JC – NAD
DW1	Drywall	Central room, break room and restroom	620 SF	NA	Misc.	NA/NA	DW-1	Central room – break room	NAD
							DW-2	Central room – break room	NAD
							DW-3	Restroom	NAD
SC1	White sink coating	Double sink in central room of garage	Double Sink	NA	Misc.	NA/NA	SC-1	Central room - sink	NAD
							SC-2	Central room - sink	NAD
							[4]SC-3	Central room - sink	NAD
SC2	Black sink coating	South side sink in garage	Double Sink	NA	Misc.	NA/NA	SC-4	South side	NAD
							SC-5	South side	NAD
							[4]SC-6	South side	NAD
SO1	Stucco			NA	Surf.	NA/NA	SO-1	South east side	NAD

Summary of Asbestos Sampling

Project Name:	Whitmire Town Hall	**Project Number:**	4261-18-009
Location:	Whitmire, South Carolina	**Sampling Date(s):**	January 24, 2018

HOMOGENEOUS AREA **SAMPLE DATA**

HA Area	Material Description	Material Location	Quantity	[1]Cat (F/I/II)	[2]Type	[3]Condition / Potential for Disturbance	Sample Number	Sample Location	Percent and Type Asbestos
		Exterior of garage building and town hall	112,500 SF				SO-2	South side	NAD
							SO-3	North east side	NAD
							SO-4	North side	NAD
							SO-5	North west side	NAD
							SO-6	North side	NAD
							SO-7	North east side	NAD
RF1	Asphalt rolled roof	North garage	3,000 SF	NA	Misc.	NA/NA	RF-1	North Garage	Roofing – NAD
							RF-2	North Garage	Felt - NAD
									Roofing – NAD
							[4]RF-3	North Garage	Felt - NAD
									Roofing – NAD
RF2	Cloth rolled roof	South garage	1,218 SF	NA	Misc.	NA/NA	RF-4	South Garage	NAD
							RF-5	South Garage	NAD
							[4]RF-6	South Garage	NAD

Abbreviations and Hazard Assessment Key

In accordance with the EPA and SCDHEC, a confirmed ACM is assigned a hazard assessment based on its present condition and potential for disturbance. The hazard assessment is used as a tool for prioritization in remedial actions regarding any identified ACM(s). The following key exhibits the criteria that compose the hazard assessment.

Present Condition

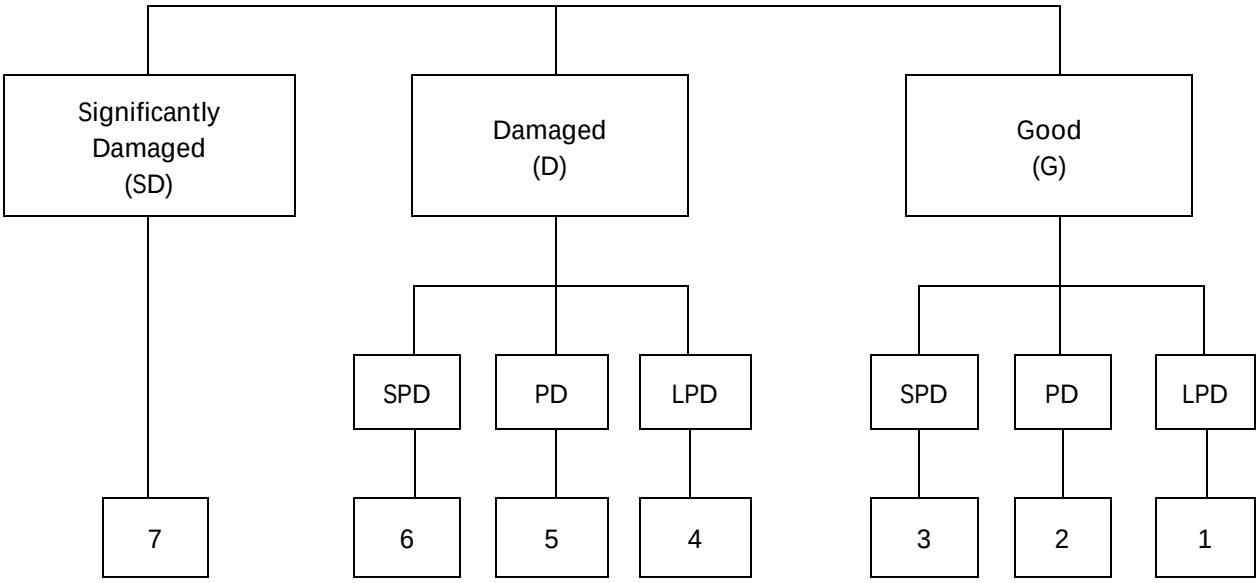
F = Friable
NF = Non-friable

G = Good (Very localized limited damage)
D = Damaged (Damage of less than 10% distributed and less than 25% localized)
SD = Significantly Damaged (Damage equal to or greater than 10% distributed, 25% localized)

Potential for Future Disturbance

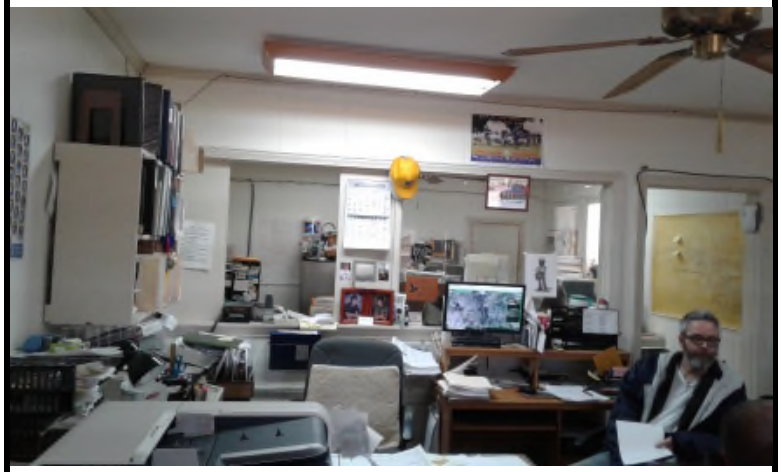
LPD = Low Potential for Disturbance (Contact, Vibration, and Air Erosion all of Low Concern)
PD = Potential for Disturbance (Contact, Vibration, or Air Erosion of Moderate Concern)
SPD = Significant Potential for Disturbance (Contact, Vibration, or Air Erosion of High Concern)

Hazard Assessment

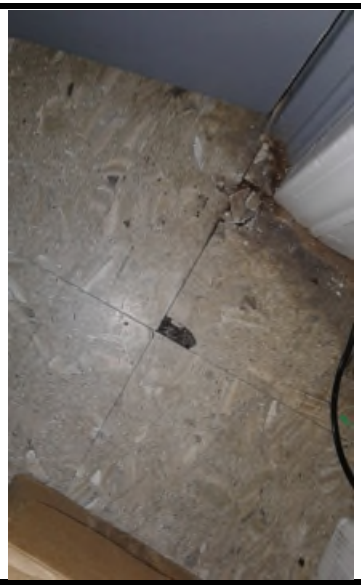


Appendix II – Photographs

1	Exterior view of the Whitmire Town Hall building.



2	View of the Town Clerk Office.



3	View of the 12” gray vinyl floor tile and associated black mastic located in the police department and north corridor (3% chrysotile).

4	View of the black vinyl floor tile located beneath the 12” dark gray vinyl floor tile in the lobby and beneath carpeting in the clerk’s office (10% chrysotile).

	Site Photographs **Whitmire Town Hall** **Whitmire, South Carolina**	S&ME Project 4261-18-009	
		Taken by: T.K., B.M.	Date: January 28, 2018

5 The tan/black mastic located beneath the self-adhesive vinyl floor tile in the women's restroom tested positive for asbestos (4% chrysotile).

6 Typical interior view of the garage building attached to the Town Hall.

7 The 12" white and pink vinyl floor tile and associated mastic located in the garage tested negative for asbestos.

8 The tan linoleum located in the south side of the garage building tested negative for asbestos.

	Site Photographs **Whitmire Town Hall** **Whitmire, South Carolina**	S&ME Project 4261-18-009	
		Taken by: T.K., B.M.	Date: January 28, 2018

9 The plaster walls located in the garage building tested negative for asbestos.

10 The spray-applied ceiling texture tested negative for asbestos.

11 The cloth rolled roofing tested negative for asbestos.

12 The asphalt rolled roofing tested negative for asbestos.

	Site Photographs **Whitmire Town Hall** **Whitmire, South Carolina**	S&ME Project 4261-18-009	
		Taken by: T.K., B.M.	Date: January 28, 2018

Appendix III – XRF Lead-Based Paint Reading Summary Table

XRF LEAD-BASED PAINT READING SUMMARY TABLE

Serial #95004
PAINT
Project No.: 4261-18-009
Site: Whitmire Town Hall
Date: January 24, 2018
Ranges (NEG<INC<POS): Device PCS

Reading Number	Floor/Area	Room	Feature	Substrate	Condition	Color	Result	XRF Reading (mg/cm²)
51			Shutter Calibrate					--
52			Calibrate					1.00
53			Calibrate					1.00
54			Calibrate					1.10
55	Garage	North Side	Wall	CMU	Good	White	Negative	<LOD
56	Garage	North Side	Door	Metal	Good	Black	Negative	<LOD
57	Garage	Central	Wall	Wood	Good	White	Negative	<LOD
58	Garage	Central	Wall	Brick	Good	White	Negative	<LOD
59	Garage	Central	Baseboard	Concrete	Good	Green	Negative	<LOD
60	Garage	Central	Wall	CMU	Good	White	Negative	<LOD
61	Garage	Break Room	Floor	Concrete	Good	Gray	Negative	<LOD
62	Garage	Break Room	Door	Wood	Good	White	Negative	<LOD
63	Garage	Break Room	Garage Door	Metal	Good	White	Negative	<LOD
64	Exterior	Garage	Wall	Concrete	Good	Tan	Negative	<LOD
65	Exterior	Garage	Garage Door	Metal	Good	White	Negative	<LOD
66	Exterior	Exterior	Sidewalk	Concrete	Poor	Blue	Negative	<LOD
67	Exterior	Garage	Pedistrian Door	Metal	Good	White	Negative	<LOD
68	Garage	South side	Wall	Brick	Good	White	Negative	0.50
69	Garage	South side	Wall	Brick	Good	White	Negative	0.50
70	Garage	South Side	Wall	Wood	Good	White	Negative	<LOD
71	Town Hall	Lobby	Wall	Wood	Good	White	Negative	<LOD
72	Town Hall	Lobby	Stair Rail	Wood	Good	White	Negative	0.28
73	Town Hall	Lobby	Stair	Wood	Good	White	Negative	<LOD
74	Town Hall	Police Department	Wall	Wood	Good	Gray	Negative	<LOD
75	Town Hall	Police Department	Window Sill	Wood	Good	White	Negative	<LOD
76	Town Hall	Police Department	Door Frame	Wood	Good	White	Negative	<LOD
77	Town Hall	Police Department	Cabinet	Wood	Good	White	Negative	<LOD
78	Town Hall	Hallway	Wall	Drywall	Good	White	Negative	<LOD
79	**Town Hall**	**Old Jail**	**Door**	**Metal**	**Good**	**Gray**	**Positive**	**2.70**
80	Town Hall	Old Jail	Wall	Concrete	Good	Gray	Negative	0.08
81	Town Hall	Old Jail	Wall	Brick	Good	Gray	Negative	0.08
82	Town Hall	Old Jail	Jail Cell	Metal	Good	Gray	Negative	<LOD
83	Town Hall	Old Jail	Floor	Concrete	Poor	Gray	Negative	<LOD
84	Town Hall	Old Jail	Ceiling	Metal	Good	White	Negative	0.40
85	Town Hall	Lobby	Stairway Wall	Wood	Good	White	Negative	<LOD
86	**Town Hall**	**Lobby**	**Door under stairway**	**Wood**	**Good**	**Tan**	**Positive**	**6.60**
87			Post Calibrate					1.10
88			Post Calibrate					1.00
89			Post Calibrate					1.10

Appendix IV – Asbestos Bulk Sample Analysis Sheets and Chain of Custody Record

EMSL Analytical, Inc.

10801 Southern Loop Blvd Pineville, NC 28134

Tel/Fax: (704) 525-2205 / (704) 525-2382

http://www.EMSL.com / charlottelab@emsl.com

EMSL Order:	411800577
Customer ID:	S&ME50
Customer PO:	4261-18-009
Project ID:	

Attention: Travis Knight
S&ME, Inc.
134 Suber Rd.
Columbia, SC 29210

Project: Whitmire Town Hall

Phone:	(803) 561-9024
Fax:	(803) 561-9177
Received Date:	01/25/2018 9:30 AM
Analysis Date:	01/27/2018 - 01/29/2018
Collected Date:	01/24/2018

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
FT-1-Floor Tile *411800577-0001*	Police Department - 12" Gray Vinyl Floor Tile & Mastic	Gray Non-Fibrous Homogeneous		40% Ca Carbonate 57% Non-fibrous (Other)	3% Chrysotile
FT-1-Mastic *411800577-0001A*	Police Department - 12" Gray Vinyl Floor Tile & Mastic	Black Non-Fibrous Homogeneous	1% Cellulose	96% Non-fibrous (Other)	3% Chrysotile
FT-2-Floor Tile *411800577-0002*	North Side Corridor - 12" Gray Vinyl Floor Tile & Mastic	Gray Non-Fibrous Homogeneous		40% Ca Carbonate 57% Non-fibrous (Other)	3% Chrysotile
FT-2-Mastic *411800577-0002A*	North Side Corridor - 12" Gray Vinyl Floor Tile & Mastic	Black Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
LN-1 *411800577-0003*	Hallway - Gray Linoleum	Gray Non-Fibrous Homogeneous	5% Cellulose	30% Ca Carbonate 65% Non-fibrous (Other)	None Detected
LN-2-Flooring *411800577-0004*	Hallway - Gray Linoleum	Gray/Various Fibrous Heterogeneous	10% Cellulose 1% Glass	89% Non-fibrous (Other)	None Detected
LN-2-Mastic *411800577-0004A*	Hallway - Gray Linoleum	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
TC-1 *411800577-0005*	Police Department - Textured Ceiling	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
TC-2 *411800577-0006*	1st Floor Corridor - Textured Ceiling	White Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
TC-3 *411800577-0007*	Stairwell - Textured Ceiling	White Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
TC-4 *411800577-0008*	Office - Textured Ceiling	White Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (Other)	None Detected
TC-5 *411800577-0009*	Back Ceiling Clerks Office - Textured Ceiling	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
DW-1 *411800577-0010*	Hallway - Drywall	Gray Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
DW-2 *411800577-0011*	Hallway - Drywall	Gray Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
DW-3 *411800577-0012*	Women's RR - Drywall	Gray Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
JC-1 *411800577-0013*	Hallway - Joint Compound	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected

Initial report from: 01/29/2018 12:32:52

EMSL Analytical, Inc.
10801 Southern Loop Blvd Pineville, NC 28134
Tel/Fax: (704) 525-2205 / (704) 525-2382
http://www.EMSL.com / charlottelab@emsl.com

EMSL Order: 411800577
Customer ID: S&ME50
Customer PO: 4261-18-009
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
JC-2 *411800577-0014*	Hallway - Joint Compound	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
JC-3 *411800577-0015*	Women's RR - Joint Compound	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
JC-4 *411800577-0016*	2nd Floor - East Wall - Joint Compound	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
JC-5 *411800577-0017*	2nd Floor - East Wall - Joint Compound	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
FT-4-Floor Tile *411800577-0018*	Lobby at Clerks Office - 12" Dark Gray VCT	Gray Non-Fibrous Homogeneous	2% Cellulose	40% Ca Carbonate 58% Non-fibrous (Other)	None Detected
FT-4-Mastic *411800577-0018A*	Lobby at Clerks Office - 12" Dark Gray VCT	Brown Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
FT-5-Floor Tile *411800577-0019*	Lobby at Clerks Office - 12" Dark Gray VCT	Gray Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
FT-5-Mastic *411800577-0019A*	Lobby at Clerks Office - 12" Dark Gray VCT	Tan/Black Non-Fibrous Homogeneous	<1% Cellulose	5% Ca Carbonate 95% Non-fibrous (Other)	<1% Chrysotile
FT-7-Floor Tile *411800577-0020*	Lobby beneath VCT - Black VCT	Black Non-Fibrous Homogeneous		5% Ca Carbonate 85% Non-fibrous (Other)	10% Chrysotile
FT-7-Mastic *411800577-0020A* *Possible contamination*	Lobby beneath VCT - Black VCT	Tan Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	<1% Chrysotile
FT-8-Floor Tile *411800577-0021*	Office (Clerk) beneath Carpet - Black VCT	Black Non-Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
FT-8-Mastic *411800577-0021A* *Possible contamination*	Office (Clerk) beneath Carpet - Black VCT	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
FT-10-Floor Tile *411800577-0022*	Women's Restroom - 12" Gray Self Adhesive Tile	Gray Non-Fibrous Homogeneous	2% Cellulose	30% Ca Carbonate 68% Non-fibrous (Other)	None Detected
FT-10-Mastic *411800577-0022A*	Women's Restroom	Tan/Black Non-Fibrous Homogeneous	3% Cellulose	94% Non-fibrous (Other)	3% Chrysotile
FT-10-Leveler *411800577-0022B*	Women's Restroom	Gray Non-Fibrous Homogeneous	2% Cellulose	20% Ca Carbonate 78% Non-fibrous (Other)	None Detected
FT-11-Floor Tile *411800577-0023*	Women's Restroom - 12" Gray Self Adhesive Tile	Gray/White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
FT-11-Mastic *411800577-0023A*	Women's Restroom - 12" Gray Self Adhesive Tile	Tan/Black Non-Fibrous Homogeneous		5% Ca Carbonate 91% Non-fibrous (Other)	4% Chrysotile
FT-11-Leveler *411800577-0023B*	Women's Restroom - 12" Gray Self Adhesive Tile	Gray Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (Other)	None Detected

Initial report from: 01/29/2018 12:32:52

EMSL Analytical, Inc.
10801 Southern Loop Blvd Pineville, NC 28134
Tel/Fax: (704) 525-2205 / (704) 525-2382
http://www.EMSL.com / charlottelab@emsl.com

EMSL Order:	411800577
Customer ID:	S&ME50
Customer PO:	4261-18-009
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
FT-12-Leveler *411800577-0023C*	Women's Restroom - 12" Gray Self Adhesive Tile	Gray Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (Other)	None Detected
PL-1-Skim Coat *411800577-0024*	Attic - Plaster	White Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
PL-1-Rough Coat *411800577-0024A*	Attic - Plaster	Gray Non-Fibrous Homogeneous		30% Quartz 70% Non-fibrous (Other)	None Detected
PL-2-Skim Coat *411800577-0025*	Attic - Plaster	White Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
PL-2-Rough Coat *411800577-0025A*	Attic - Plaster	Gray Non-Fibrous Homogeneous		25% Quartz 75% Non-fibrous (Other)	None Detected
PL-3-Skim Coat *411800577-0026*	Attic - Plaster	White Non-Fibrous Homogeneous		8% Ca Carbonate 92% Non-fibrous (Other)	None Detected
PL-3-Rough Coat *411800577-0026A*	Attic - Plaster	Gray Non-Fibrous Homogeneous		30% Quartz 8% Ca Carbonate 62% Non-fibrous (Other)	None Detected
DM-1 *411800577-0027*	Jail - Black Duct Mastic	Black Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
DM-2 *411800577-0028*	Jail - Black Duct Mastic	Gray/Black Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
DM-4 *411800577-0029*	Jail - White Duct Mastic	White Non-Fibrous Homogeneous	1% Cellulose	5% Ca Carbonate 94% Non-fibrous (Other)	None Detected
DM-5 *411800577-0030*	Jail - White Duct Mastic	White Non-Fibrous Homogeneous	2% Synthetic	15% Ca Carbonate 83% Non-fibrous (Other)	None Detected
CT-1 *411800577-0031*	2nd Floor - 2'x4' Ceiling Tile	Gray/White Fibrous Homogeneous	60% Cellulose 20% Min. Wool	10% Perlite 10% Non-fibrous (Other)	None Detected
CT-2 *411800577-0032*	2nd Floor - 2'x4' Ceiling Tile	Gray/White Fibrous Homogeneous	60% Cellulose 20% Min. Wool	10% Perlite 10% Non-fibrous (Other)	None Detected
CT-3 *411800577-0033*	2nd Floor - 2'x4' Ceiling Tile	Gray/White Fibrous Heterogeneous	60% Cellulose 15% Min. Wool	15% Perlite 10% Non-fibrous (Other)	None Detected

Analyst(s)

Eric Loomis (25)
Lacy Searcy (23)

Lee Plumley, Laboratory Manager
or Other Approved Signatory

Initial report from: 01/29/2018 12:32:52

EMSL Analytical, Inc.
10801 Southern Loop Blvd Pineville, NC 28134
Tel/Fax: (704) 525-2205 / (704) 525-2382
http://www.EMSL.com / charlottelab@emsl.com

EMSL Order: 411800577
Customer ID: S&ME50
Customer PO: 4261-18-009
Project ID:

Attention: Travis Knight
S&ME, Inc.
134 Suber Rd.
Columbia, SC 29210

Project: Whitmire Town Hall

Phone: (803) 561-9024
Fax: (803) 561-9177
Received Date: 01/25/2018 9:30 AM
Analysis Date: 01/31/2018
Collected Date: 01/24/2018

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by TEM via EPA/600/R-93/116 Section 2.5.5.1

Sample ID	Description	Appearance	% Matrix Material	% Non-Asbestos Fibers	Asbestos Types
LN-3-Flooring *411800577-0034*	Office Closet - Gray Linoleum	Gray/Various Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
LN-3-Mastic *411800577-0035*	Office Closet - Gray Linoleum	Tan Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
FT-6-Floor Tile *411800577-0036*	Lobby at Clerk's Office - 12" Dark Gray VCT	Gray Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
FT-6-Mastic *411800577-0037*	Lobby at Clerk's Office - 12" Dark Gray VCT	Tan Non-Fibrous Heterogeneous	99.3	None	0.71% Chrysotile
FT-9-Mastic *411800577-0038*	Office (Clerk) beneath Carpet - Black VCT	Tan Non-Fibrous Heterogeneous	99.2	None	0.77% Chrysotile
FT-12-Floor Tile *411800577-0039*	Women's Restroom - 12" Gray Self Adhesive Tile	Gray Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
DM-3 *411800577-0041*	Jail - Black Duct Mastic	Gray Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
DM-6 *411800577-0042*	Jail - White Duct Mastic	White Non-Fibrous Heterogeneous	100	None	No Asbestos Detected

Analyst(s)

Derrick Young (8)

Lee Plumley, Laboratory Manager
or other approved signatory

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Pineville, NC

Initial report from: 02/01/2018 10:26:20

OrderID: 411800577

EMSL Analytical, Inc.
10801 Southern Loop Blvd

Pineville, NC 28134
PHONE: (704) 525-2205
FAX: (704) 525-2382

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number *(Lab Use Only)*: 411800577

Company : S&ME, Inc.		**EMSL-Bill to:** ☑ Same ☐ Different If Bill to is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*	
Street: 134 Suber Rd.			
City: Columbia	**State/Province:** SC	**Zip/Postal Code:** 29210	**Country:** US
Report To (Name): Travis Knight		**Telephone #:** 803-561-9024	
Email Address: tknight@smeinc.com		**Fax #:** 803-561-9177	**Purchase Order:** 4261-18-009
Project Name/Number: Whitmire Town Hall		**Please Provide Results:** ☐ Fax ☑ Email ☐ Mail	
U.S. State Samples Taken: SC		**CT Samples:** ☐ Commercial/Taxable ☐ Residential/Tax Exempt	

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour ■ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

**For TEM Air 3 hr through 6 hr, please call ahead to schedule.*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.*

PLM - Bulk (reporting limit)	TEM – Bulk
■ PLM EPA 600/R-93/116 (<1%)	■ TEM EPA NOB – EPA 600/R-93/116 Section 2.5.5.1
☐ PLM EPA NOB (<1%)	☐ NY ELAP Method 198.4 (TEM)
Point Count ☐ 400 (<0.25%) ☐ 1000 (<0.1%)	☐ Chatfield Protocol (semi-quantitative)
Point Count w/Gravimetric ☐ 400 (<0.25%) ☐ 1000 (<0.1%)	☐ TEM % by Mass – EPA 600/R-93/116 Section 2.5.5.2
☐ NIOSH 9002 (<1%)	☐ TEM Qualitative via Filtration Prep Technique
☐ NY ELAP Method 198.1 (friable in NY)	☐ TEM Qualitative via Drop Mount Prep Technique
☐ NY ELAP Method 198.6 NOB (non-friable-NY)	**Other**
☐ OSHA ID-191 Modified	☐
☐ Standard Addition Method	

☐ **Check For Positive Stop – Clearly Identify Homogenous Group** **Date Sampled:** 1/24/18

Samplers Name: Travis Knight **Samplers Signature:**

Sample #	HA #	Sample Location	Material Description
		Please See Attached COC	

Client Sample # (s): - **Total # of Samples:**

Relinquished (Client): **Date:** 1/24/18 **Time:** 1600

Received (Lab): **Date:** 1/25/18 **Time:** 9:30 AM FX

Comments/Special Instructions:
NOB = 2 PLMs and 1 TEM if both PLMs are negative.

7954 1791 6694

BULK SAMPLE Chain of Custody Record

PROJECT NO.: 1261-18-009
PROJECT NAME: Whitmire Town Hall
FACILITY: Town Hall
DATE TAKEN: 1/24/18
SAMPLER(S): JK / BM
SIGNATURE:

SAMPLE #	HA	MATERIAL	LOCATION	QUANTITY	COMMENTS / SPECIAL INSTRUCTIONS
FT-1		12" Gray vinyl floor tile/mastic	Police department		
2		↓	North side Corridor		
3		Gray Linoleum	South side Corridor		
LN-1		↓	Hallway		No.3
2		Textured ceiling	↓		
3		↓	Office Closet		
TC-1		Drywall	Police Department		
2		↓	1st Floor Corridor		
3		Joint Compound	Stairwell		
4		↓	OFFICE		
5		12" Dark Gray VCT	Back ceiling Clerks office		
DW-1		↓	Hallway		
2		Black VCT	↓		
3		↓	Womens 3,2		
JC-1			Hallway		
2			↓		
3			Womens 1,2,2		
4			2nd Floor - EAST WALL		No.3
5			↓		
FT-4			Lobby & Clerks office		
5			↓		No.3
6			Lobby Beneath VCT		
FT-7			Office (Clerk) Beneath Carpet		
8			↓		
9					

411800577

BULK SAMPLE Chain of Custody Record

PROJECT NO.	PROJECT NAME:
426118009	Whitmire TOWN HALL

FACILITY: TOWN HALL

SAMPLER(S)	DATE TAKEN	SIGNATURE:
TL / DM	1/24/18	

SAMPLE #	HA	MATERIAL	LOCATION	QUANTITY	COMMENTS / SPECIAL INSTRUCTIONS
FT-10		12" Gray self Adhesive tile	Women's Restroom		
11		L	L		NO.3
12		L	L		
PL-1		Plaster	Attic		
2		L	L		
3		L	L		
DM-1		Black Duct mastic	Joist		
2		L	L		NO.3
3		L	L		
DM-4		White Duct mastic	Joist		
5		L	L		NO.3
6		L	L		
CT-1		2'x4' Ceiling tile	2nd Floor		
2		L	L		
3		L	L		

EMSL Analytical, Inc.

10801 Southern Loop Blvd Pineville, NC 28134

Tel/Fax: (704) 525-2205 / (704) 525-2382

http://www.EMSL.com / charlottelab@emsl.com

EMSL Order:	411800578
Customer ID:	S&ME50
Customer PO:	4261-18-009
Project ID:	

Attention: Travis Knight
S&ME, Inc.
134 Suber Rd.
Columbia, SC 29210

Project: Whitmire Town Hall (Garage)

Phone:	(803) 561-9024
Fax:	(803) 561-9177
Received Date:	01/25/2018 9:30 AM
Analysis Date:	01/27/2018 - 01/28/2018
Collected Date:	01/24/2018

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
FT-1-Floor Tile *411800578-0001*	Bay Door (Central) - 12" White Vinyl Floor Tile & Yellow Mastic	White Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (Other)	None Detected
FT-1-Mastic *411800578-0001A*	Bay Door (Central) - 12" White Vinyl Floor Tile & Yellow Mastic	Tan Non-Fibrous Homogeneous	1% Cellulose	99% Non-fibrous (Other)	None Detected
FT-2-Floor Tile *411800578-0002*	Center by Wall (Central) - 12" White Vinyl Floor Tile & Yellow Mastic	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
FT-2-Mastic *411800578-0002A*	Center by Wall (Central) - 12" White Vinyl Floor Tile & Yellow Mastic	Tan Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
FT-4-Floor Tile *411800578-0003*	Bay Door (Central) - 12" Pink Vinyl Floor Tile & Yellow Mastic	Pink Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
FT-4-Mastic *411800578-0003A*	Bay Door (Central) - 12" Pink Vinyl Floor Tile & Yellow Mastic	Gray/Tan Non-Fibrous Homogeneous	2% Cellulose	8% Ca Carbonate 90% Non-fibrous (Other)	None Detected
FT-5-Floor Tile *411800578-0004*	Center by Wall (Central) - 12" Pink Vinyl Floor Tile & Yellow Mastic	Pink Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
FT-5-Mastic *411800578-0004A*	Center by Wall (Central) - 12" Pink Vinyl Floor Tile & Yellow Mastic	Yellow Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
LN-1-Flooring *411800578-0005*	Restroom (South Side) - Tan Square Pattern Linoleum & Mastic	Tan Fibrous Homogeneous	4% Synthetic 3% Glass	10% Ca Carbonate 83% Non-fibrous (Other)	None Detected
LN-1-Mastic *411800578-0005A*	Restroom (South Side) - Tan Square Pattern Linoleum & Mastic	Tan Fibrous Homogeneous	1% Synthetic	99% Non-fibrous (Other)	None Detected
LN-2-Flooring *411800578-0006*	Hallway (South Side) - Tan Square Pattern Linoleum & Mastic	Tan Fibrous Homogeneous	3% Cellulose 2% Glass	5% Ca Carbonate 90% Non-fibrous (Other)	None Detected
LN-2-Mastic *411800578-0006A*	Hallway (South Side) - Tan Square Pattern Linoleum & Mastic	Tan Non-Fibrous Homogeneous	1% Cellulose	99% Non-fibrous (Other)	None Detected
PL-1-Skim Coat *411800578-0007*	Water Heater Closet - Garage - Plaster	White Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
PL-1-Rough Coat *411800578-0007A*	Water Heater Closet - Garage - Plaster	Gray Non-Fibrous Homogeneous		30% Quartz 70% Non-fibrous (Other)	None Detected

Initial report from: 01/29/2018 08:34:15

EMSL Analytical, Inc.
10801 Southern Loop Blvd Pineville, NC 28134
Tel/Fax: (704) 525-2205 / (704) 525-2382
http://www.EMSL.com / charlottelab@emsl.com

EMSL Order: 411800578
Customer ID: S&ME50
Customer PO: 4261-18-009
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
PL-2-Skim Coat *411800578-0008*	Water Heater Closet - Garage - Plaster	White Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
PL-2-Rough Coat *411800578-0008A*	Water Heater Closet - Garage - Plaster	Gray Non-Fibrous Homogeneous	1% Cellulose	30% Quartz 69% Non-fibrous (Other)	None Detected
PL-3-Skim Coat *411800578-0009*	Water Heater Closet - Garage - Plaster	White Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
PL-3-Rough Coat *411800578-0009A*	Water Heater Closet - Garage - Plaster	Gray Non-Fibrous Homogeneous		30% Quartz 70% Non-fibrous (Other)	None Detected
TC-1-Texture *411800578-0010*	Central Room - Break Room - Texture Ceiling & Joint Compound	Tan Non-Fibrous Homogeneous		5% Ca Carbonate 10% Mica 85% Non-fibrous (Other)	None Detected
TC-1-Joint Compound *411800578-0010A*	Central Room - Break Room - Texture Ceiling & Joint Compound	Tan Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (Other)	None Detected
TC-2-Texture *411800578-0011*	Central Room - Break Room - Texture Ceiling & Joint Compound	White Non-Fibrous Homogeneous		15% Mica 85% Non-fibrous (Other)	None Detected
TC-2-Joint Compound *411800578-0011A*	Central Room - Break Room - Texture Ceiling & Joint Compound	White Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (Other)	None Detected
TC-3-Texture *411800578-0012*	Restroom - Texture Ceiling & Joint Compound	White Non-Fibrous Homogeneous		10% Ca Carbonate 10% Mica 80% Non-fibrous (Other)	None Detected
TC-3-Joint Compound *411800578-0012A*	Restroom - Texture Ceiling & Joint Compound	White Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
DW-1 *411800578-0013*	Central Room - Break Room - Drywall	Brown/Gray Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
DW-2 *411800578-0014*	Central Room - Break Room - Drywall	Brown/Gray Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
DW-3 *411800578-0015*	Restroom - Drywall	Brown/Gray Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (Other)	None Detected
SC-1 *411800578-0016*	Sink Central - White Sink Coating	White Non-Fibrous Homogeneous	5% Cellulose	10% Ca Carbonate 15% Mica 70% Non-fibrous (Other)	None Detected
SC-2 *411800578-0017*	Sink Central - White Sink Coating	White Non-Fibrous Homogeneous	5% Cellulose	5% Mica 90% Non-fibrous (Other)	None Detected
SC-4 *411800578-0018*	South Side - Black Sink Coating	Black Non-Fibrous Homogeneous	3% Cellulose	5% Ca Carbonate 92% Non-fibrous (Other)	None Detected
SC-5 *411800578-0019*	South Side - Black Sink Coating	Black Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
SO-1 *411800578-0020*	SE Side - Stucco	Gray/White Non-Fibrous Homogeneous		45% Quartz 55% Non-fibrous (Other)	None Detected

Initial report from: 01/29/2018 08:34:15

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EMSL Order:	411800578
Customer ID:	S&ME50
Customer PO:	4261-18-009
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
SO-2 *411800578-0021*	S Side - Stucco	Gray/White Non-Fibrous Homogeneous		45% Quartz 55% Non-fibrous (Other)	None Detected
SO-3 *411800578-0022*	NE Side - Stucco	Gray/White Fibrous Homogeneous	10% Glass	40% Quartz 50% Non-fibrous (Other)	None Detected
SO-4 *411800578-0023*	N Side - Stucco	Gray/White Fibrous Homogeneous	5% Glass	40% Quartz 55% Non-fibrous (Other)	None Detected
SO-5 *411800578-0024*	NW Side - Stucco	Gray/White Non-Fibrous Homogeneous		50% Quartz 50% Non-fibrous (Other)	None Detected
SO-6 *411800578-0025*	N Side - Stucco	Gray/White Non-Fibrous Homogeneous		40% Quartz 60% Non-fibrous (Other)	None Detected
SO-7 *411800578-0026*	NE Side - Stucco	Gray Non-Fibrous Homogeneous		40% Quartz 60% Non-fibrous (Other)	None Detected
RF-1-Roofing *411800578-0027*	North Garage - Asphalt Rolled Roof	Black Non-Fibrous Homogeneous	15% Synthetic	10% Ca Carbonate 75% Non-fibrous (Other)	None Detected
RF-1-Felt *411800578-0027A*	North Garage - Asphalt Rolled Roof	Black Non-Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
RF-2-Roofing *411800578-0028*	North Garage - Asphalt Rolled Roof	Black Non-Fibrous Homogeneous	10% Synthetic	8% Ca Carbonate 82% Non-fibrous (Other)	None Detected
RF-2-Felt *411800578-0028A*	North Garage - Asphalt Rolled Roof	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
RF-4 *411800578-0029*	South Garage - Cloth Rolled Roof	Gray/Blue Non-Fibrous Homogeneous	40% Synthetic	60% Non-fibrous (Other)	None Detected
RF-5 *411800578-0030*	South Garage - Cloth Rolled Roof	Gray/Blue Fibrous Homogeneous	30% Synthetic	70% Non-fibrous (Other)	None Detected

Analyst(s)

Aaron Hartley (26)
Lacy Searcy (18)

Lee Plumley, Laboratory Manager
or Other Approved Signatory

Initial report from: 01/29/2018 08:34:15

EMSL Analytical, Inc.
10801 Southern Loop Blvd Pineville, NC 28134
Tel/Fax: (704) 525-2205 / (704) 525-2382
http://www.EMSL.com / charlottelab@emsl.com

EMSL Order: 411800578
Customer ID: S&ME50
Customer PO: 4261-18-009
Project ID:

Attention: Travis Knight
S&ME, Inc.
134 Suber Rd.
Columbia, SC 29210

Project: Whitmire Town Hall (Garage)

Phone: (803) 561-9024
Fax: (803) 561-9177
Received Date: 01/25/2018 9:30 AM
Analysis Date: 01/31/2018
Collected Date: 01/24/2018

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by TEM via EPA/600/R-93/116 Section 2.5.5.1

Sample ID	Description	Appearance	% Matrix Material	% Non-Asbestos Fibers	Asbestos Types
FT-3-Floor Tile *411800578-0031*	By Cabinet (Central) - 12" White Vinyl Floor Tile & Yellow Mastic	Gray/White Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
FT-3-Mastic *411800578-0032*	By Cabinet (Central) - 12" White Vinyl Floor Tile & Yellow Mastic	Tan Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
FT-6-Floor Tile *411800578-0033*	By Cabinet (Central) - 12" Pink Vinyl Floor Tile & Yellow Mastic	Pink Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
FT-6-Mastic *411800578-0034*	By Cabinet (Central) - 12" Pink Vinyl Floor Tile & Yellow Mastic	Tan Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
LN-3-Flooring *411800578-0035*	Main Area (South Side) - Tan Square Pattern Linoleum & Mastic	Tan Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
LN-3-Mastic *411800578-0036*	Main Area (South Side) - Tan Square Pattern Linoleum & Mastic	Tan Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
SC-3 *411800578-0037*	Sink Central - White Sink Coating	White Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
SC-6 *411800578-0038*	South Side - Black Sink Coating	Black Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
RF-3-Roofing *411800578-0039*	North Garage - Asphalt Rolled Roof	Gray/Black Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
RF-3-Felt *411800578-0040*	North Garage - Asphalt Rolled Roof	Black Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
RF-6 *411800578-0041*	South Garage - Cloth Rolled Roof	White/Blue Non-Fibrous Heterogeneous	100	None	No Asbestos Detected

Samples analyzed by EMSL Analytical, Inc. Pineville, NC

Initial report from: 02/01/2018 07:58:07

EMSL Analytical, Inc.
10801 Southern Loop Blvd Pineville, NC 28134
Tel/Fax: (704) 525-2205 / (704) 525-2382
http://www.EMSL.com / charlottelab@emsl.com

EMSL Order: 411800578
Customer ID: S&ME50
Customer PO: 4261-18-009
Project ID:

Attention: Travis Knight
S&ME, Inc.
134 Suber Rd.
Columbia, SC 29210

Project: Whitmire Town Hall (Garage)

Phone: (803) 561-9024
Fax: (803) 561-9177
Received Date: 01/25/2018 9:30 AM
Analysis Date: 01/31/2018
Collected Date: 01/24/2018

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by TEM via EPA/600/R-93/116 Section 2.5.5.1

Sample ID	Description	Appearance	% Matrix Material	% Non-Asbestos Fibers	Asbestos Types

Analyst(s)

Derrick Young (11)

Lee Plumley, Laboratory Manager
or other approved signatory

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Pineville, NC

Initial report from: 02/01/2018 07:58:07

OrderID: 411800578

EMSL Analytical, Inc.
10801 Southern Loop Blvd

Pineville, NC 28134
PHONE: (704) 525-2205
FAX: (704) 525-2382

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (*Lab Use Only*): 411800578

Company: S&ME, Inc.		**EMSL-Bill to:** ☑ Same ☐ Different If Bill to is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*	
Street: 134 Suber Rd.			
City: Columbia	**State/Province:** SC	**Zip/Postal Code:** 29210	**Country:** US
Report To (Name): Travis Knight		**Telephone #:** 803-561-9024	
Email Address: tknight@smeinc.com		**Fax #:** 803-561-9177	**Purchase Order:** 4261-18-009
Project Name/Number: Whitmire Garage		**Please Provide Results:** ☐ Fax ☑ Email ☐ Mail	
U.S. State Samples Taken: SC		**CT Samples:** ☐ Commercial/Taxable ☐ Residential/Tax Exempt	

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour ■ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

**For TEM Air 3 hr through 6 hr, please call ahead to schedule.*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.*

PLM - Bulk (reporting limit)	TEM – Bulk
■ PLM EPA 600/R-93/116 (<1%)	■ TEM EPA NOB – EPA 600/R-93/116 Section 2.5.5.1
☐ PLM EPA NOB (<1%)	☐ NY ELAP Method 198.4 (TEM)
Point Count ☐ 400 (<0.25%) ☐ 1000 (<0.1%)	☐ Chatfield Protocol (semi-quantitative)
Point Count w/Gravimetric ☐ 400 (<0.25%) ☐ 1000 (<0.1%)	☐ TEM % by Mass – EPA 600/R-93/116 Section 2.5.5.2
☐ NIOSH 9002 (<1%)	☐ TEM Qualitative via Filtration Prep Technique
☐ NY ELAP Method 198.1 (friable in NY)	☐ TEM Qualitative via Drop Mount Prep Technique
☐ NY ELAP Method 198.6 NOB (non-friable-NY)	**Other**
☐ OSHA ID-191 Modified	☐
☐ Standard Addition Method	

☐ **Check For Positive Stop – Clearly Identify Homogenous Group** **Date Sampled:** 1/24/18

Samplers Name: T Brown **Samplers Signature:**

Sample #	HA #	Sample Location	Material Description
		Please See Attached COC	

Client Sample # (s): - **Total # of Samples:**

Relinquished (Client): **Date:** 1/24/18 **Time:** 1600

Received (Lab): Kyle Nixon **Date:** 1/25/18 **Time:** 9:30 AM FX

Comments/Special Instructions:
NOB = 2 PLMs and 1 TEM if both PLMs are negative.

7954 1791 6694

411800578

BULK SAMPLE Chain of Custody Record

PROJECT NO.	PROJECT NAME:
4261-18-009	[redacted] Whitmire Town Hall (Garage)

FACILITY: Garage

SAMPLER(S)	DATE TAKEN	SIGNATURE:
B. McAllister / T. Knight	1/24/17	

SAMPLE #	HA	MATERIAL	LOCATION	QUANTITY	COMMENTS / SPECIAL INSTRUCTIONS
FT-1		12" white vinyl floor tile & yellow mastic	Bay Door (central)		
2			center by wall "	558 SF	NOB
3			by cabinet "		
FT-4		12" Pink vinyl floor tile & yellow mastic	Bay Door (central)		
5			center by wall "	100 SF	NOB
6			by cabinet "		
LN-1		tan square pattern linoleum & mastic	restroom (south side)		
2			Hallway "	330 SF	NOB
3			Main Area "		
PL-1		Plaster	WATER Heater Closet - Garage		
2		"	"	[redacted]	
3		"	"	80 SF	
TC-1		Texture ceiling & Joint Compound	Central Rm - Break Rm		
2		"	"	620 SF	
3			Restroom		
DW-1		Drywall	S.A. TC-1		
2		"	S.A. TC-2	620 SF	
3		"	S.A. TC-3		
SC-1		White sink coating	sink (central)		
2		"	"	1 double sink	NOB
3			"		
SC-4		Black sink coating	South Side		
5		"	"		
6		"	"		

411800578

BULK SAMPLE Chain of Custody Record

PROJECT NO.	PROJECT NAME:
4261-18-009	Whitmire Town Hall (Garage)

FACILITY: Garage

SAMPLER(S)	DATE TAKEN	SIGNATURE:
B McAllister / T. Knight	1/24/17	

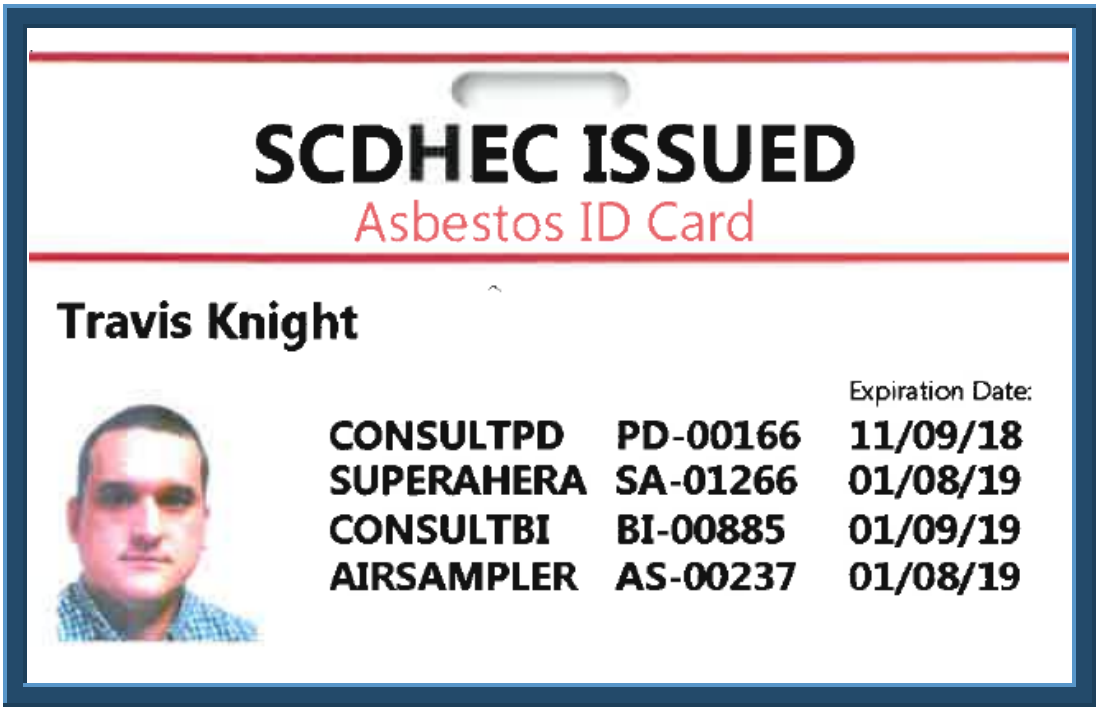
SAMPLE #	HA	MATERIAL	LOCATION	QUANTITY	COMMENTS / SPECIAL INSTRUCTIONS
SO-1		Stucco	SE side		
2		"	S. side		
3		"	NE side		
4		"	N. side		
5		"	NW. side		
6		"	N. side		
7		"	NE. side		
RF-1		Asphalt Rolled Roof	North Garage		NO3
2		"	"		"
3		"	"		"
RF-4		Cloth Rolled Roof	South Garage		NO3
5		"	"		"
6		"	"		"

Appendix V – Copy of SCDHEC Inspectors' Licenses

South Carolina Department
of
Health and Environmental Control

Asbestos License

Travis L. Knight



South Carolina Department
of
Health and Environmental Control

Asbestos License

Bobby J. McAllister