COMPREHENSIVE ASBESTOS SURVEY

FIRE STATION #3 1701 OLD TROLLEY ROAD SUMMERVILLE, SOUTH CAROLINA 29485



Prepared For:

SUMMERVILLE FIRE-RESCUE Attn: Assistant Chief J. D. Allston 300 West 2nd North Street Summerville, SC 29483

Performed By:



Trident Environmental Services, Inc.

Consultants in Industrial Hygiene and Safety 500 Oakbrook Lane, Suite E Summerville, SC 29485 (843) 873-3648

COMPREHENSIVE ASBESTOS SURVEY

Fire Station #3 1701 Old Trolley Road Summerville, South Carolina 29485

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EXECUTIVE SUMMARY

The comprehensive asbestos survey performed by Trident Environmental Services, Inc. on January 26, 2017 of the Fire Station #3 located at 1701 Old Trolley Road in Summerville, South Carolina **did not** reveal the presence of asbestos containing building materials. The following summary exhibits the asbestos containing building materials (ACBM) that were identified in the inspection.

Asbestos

Description	Туре
NO ASBESTO	S DETECTED

RACM – Regulated Asbestos Containing Material

PACM - Presumed Asbestos Containing Material

The identified asbestos containing building materials (ACBM's) to include the item(s) listed above. All removal work of the identified ACBM's should be performed by a properly trained and licensed abatement contractor prior to the planned renovation/demolition activities.



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BACKGROUND

Trident Environmental Services, Inc. was contracted by Summerville Fire-Rescue to perform an asbestos survey of the Fire Station #3 located at 1701 Old Trolley Road in Summerville, South Carolina. The survey was performed in order to satisfy the NESHAP requirements for renovation and/or demolition. The concrete structure is built slab on grade and consists of approximately 5,000 square feet. Interior wall systems are drywall/joint compound. Ceilings are a suspended grid system with lay-in acoustic ceiling tiles. Floor finishes include vinyl floor tiles, carpet, vinyl sheet flooring and ceramic tiles over concrete. Roof construction is corrugated metal panels, EPDM Roof Membrane and roof tar applied to seams and/or penetrations.

Asbestos

The inspection was conducted to identify asbestos-containing building materials (ACBM) which may be disturbed during the renovation/demolition activities. The identification of ACBM's will aid in the prevention of occupational exposures and/or environmental releases of airborne asbestos fibers. Identification of ACBM also complies with Title 40 Code of the Federal Regulations, Part 61, and South Carolina Department of Health and Environmental Control (SCDHEC) Regulation 61-86.1, along with Title 29 Code of Federal Regulations, Part 1926 enforced by the Occupational Safety and Hazard Administration (OSHA). The Asbestos Survey describes the investigative procedures utilized, results of the suspect ACBM sampled/analyzed, and recommendations regarding the structures as related to asbestos.

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ASBESTOS SURVEY

Asbestos Investigative Procedures

Trident Environmental Services, Inc. conducted an inspection for suspect ACBM's on January 26, 2017 of the Fire Station #3 located at 1701 Old Trolley Road in Summerville, South Carolina. It is our understanding that the subject structure will undergo renovation or demolition activities in the near future. The asbestos survey was performed by observing and sampling suspect building materials. Significant destructive testing was not utilized during the inspection. There is a possibility that suspect materials exist in inaccessible areas such as wall cavities and pipe chases. If any additional suspect ACBM's are discovered during the course of demolition activities, bulk samples should be extracted to identify the presence, or absence, of asbestos prior to continuation of work activities.

A sampling strategy was developed to provide representative samples for analysis. Samples were then extracted from a variety of suspect ACBM's. Bulk samples collected were recorded on a Chain-of-Custody record and submitted to Electron Microscopy Services Laboratory Analytical, Inc. (EMSL) a Polarized Light Microscopy (PLM) laboratory. The laboratory is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP), which is administered by the National Institute of Standards and Technology (NIST). EMSL is accredited by NVLAP for the analysis of bulk asbestos by PLM (NVLAP Lab Code: 200841-0). NOB samples were submitted to EMSL for analyses by Transmission Electron Microscopy (TEM) as required by SCDHEC.

The suspect materials were analyzed by trained microscopists utilizing 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. The EPA and OSHA defines materials as asbestos containing if an asbestos content of greater than one percent (>1%) is detected in a representative sample.

The SCDHEC require NOB materials with negative or trace results by PLM to be analyzed by at least one TEM. SCDHEC in accordance with ASTM E 2356-04 defines NOB materials as "materials that are not friable and that consist of fibers and other particulate matter embedded in a solid matrix of asphalt, vinyl or other organic substances." Examples of NOB materials include but are not limited to flooring materials such as vinyl floor tiles, vinyl sheet flooring, adhesives, mastics, asphalt shingles, roofing materials, glazing, caulks, and cove base.



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The EPA classifies ACBM into two categories, friable and non-friable. A friable material creates a greater health hazard due to the fact that it may be "crumbled, pulverized or reduced to powder by the forces expected to act upon it in the course of demolition or renovation operations."

Friable Asbestos material means any material containing more than one percent asbestos as determined using the method specified in appendix A, subpart F, 40 CFR part 763 section 1, Polarized Light Microscopy, that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. If the asbestos content is less than 10 percent as determined by a method other than point counting by polarized light microscopy (PLM), verify the asbestos content by point counting using PLM.

Category I Non Friable Asbestos-Containing Material (ACM) means asbestos-containing packings, gaskets, resilient floor coverings, and asphalt roofing products containing more than one percent asbestos as determined using the method specified in appendix A, subpart F, 40 CFR part 763, section 1, Polarized Light Microscopy.

Category II Non Friable ACM means any material, excluding Category I non friable ACM, containing more than one percent asbestos as determined using the methods specified in appendix A, subpart F, 40 CFR part 763, section 1, Polarized Light Microscopy that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure. (cement siding, transite board shingles, etc.)

Regulated Asbestos-Containing Material (RACM) means (a) Friable asbestos material, (b) Category I non friable ACM that has become friable, (c) Category I non friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) 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.

The following section summarizes the sample numbers, locations, type material, asbestos type, percent of asbestos detected, present condition of the asbestos containing material, potential for disturbance, and hazard assessment ratings. The asbestos sample laboratory analyses and chain of custody records are included at the end of this report.

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Asbestos Abbreviations and Hazard Assessment Key

The EPA and SCDHEC require that confirmed ACBM is given a hazard assessment based on its present condition and potential for future disturbance. This hazard assessment is used as a tool for prioritization in future remedial actions regarding the ACBM. The following key demonstrates the criteria that make up the hazard assessment.

Present Condition

F = Friable G = Good (very localized limited damage)

NF = Non-friable D = Damaged (<10% distributed and/or <25% localized)

S = Significantly Damaged (>10% distributed and/or 25% localized)

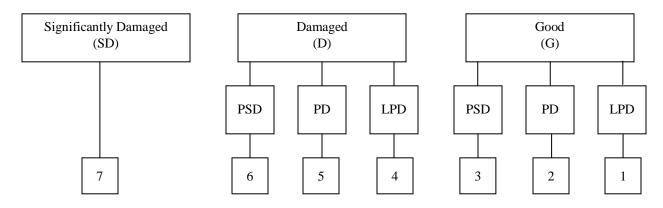
Potential for Future Disturbance

LPD = Low Potential for Disturbance (Contact, Vibration, and/or Air Erosion – low concern)

PD = Potential for Damage (Contact, Vibration, and/or Air Erosion – moderate concern)

PSD = Potential for Significant Damage (Contact, Vibration and/or Air Erosion – high concern)

Hazard Assessment



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ASBESTOS SUMMARY Fire Station #3 – 1701 Old Trolley Road – Summerville, SC

DESCRIPTION	ТҮРЕ	ESTIMATED AMOUNT
NO ASBES	TOS DETECTED	

RACM – Regulated Asbestos Containing Material

PACM – Presumed Asbestos Containing Material

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ASBESTOS SAMPLE DATA TABLE Fire Station #3 – 1701 Old Trolley Road – Summerville, SC

	DESCRIPTION OF EACH SAMPLE AREA	CH SAMPLE AREA			LABOR	LABORATORY	OF MATERIAL	OF MATERIALS
Homogeneous Area & Sample	Description	Location Room #	Estimated Quantity	Printle (N/N)	Ashestos Present	Present	Condition	Hazard
1					Ferensi	Ashevbes		A MICELLAND
10-10	2' x 4' Ceiling Tile	Weight Room		Y	0.0%	QN	7	N/A
01-02	2' x 4' Coiling Tile	Weight Room	420 SF	¥	0.0%	9	7	N/A
01-03	2' x 4' Ceiling Tile	Weight Room		λ	0,0%	N N	7	N/A
02-04	2" x 4" Ceiling Tile	EMS Room		Y	960'0	Q.	7	N/A
02405	2'x4' Ceiling Tile	EMS Room	775 SF	Y	960.0	Q	7	N/A
02-06	2' x 4' Ceiling Tile	EMS Room		λ	0.0%	Q	7	N/A
03-07	Drywall	Weight Room		Y	0.0%	Q	7	N/A
03-08	Drywall	EMS Room	7,347 SF	Y	0.0%	S S	7	N/A
03-09	Drywall	Laundry Room		γ	0.096	S	1	V/V
04-10	John Compound	Weight Room		Y	0.0%	Q	+	N/A
04-11	Joint Compound	EMS Room		Y	960'0	Q.	+	N/A
04-12	Joint Compound	Laundry Room	7,347 SF	Y	960'0	Q.	7	N/A
04-13	Joint Compound	Kitchen		Y	0.096	ND	+	N/A
04-14	Joint Compound	Bath		λ	0.0%	ND	+	N/A
05-15	12" Floor Tile (green specks)	EMS Restroom	12.06	z	0.0%	Q.	1	N/A
05-16	12" Floor Tile (green specks)	EMS Restroom	JE 07	z	0.0%	Q	7	N/A
Associated Systems Insulation (3) Thermal Systems Insulation (3) Thermal Systems Insulation (3) Thermal Systems Insulation Significantly Damaged	Assessment Carigorites from Cocol Condition (5) Surfacing - Damaged from - Damaged (6) Surfacing - Significantly Damaged from - Damaged (7) Miscellanous - Good Condition (8) Miscellanous - Good Condition (8) Miscellanous - Stonfficantly Damaged (8) Miscellanous - Stonfficantly Damaged	of authy Dumargol of Condition angol infrared, Dumarad	-	AMOS CHBY CROC ANTH-	40041	ž s	ACTI - Actinolite ND - None Detected NT - Not Tested PACM - Presumed ACM	cled cled

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ASBESTOS SAMPLE DATA TABLE Fire Station #3 - 1701 Old Trolley Road - Summerville, SC

	DESCRIPTION OF EACH SAMPLE AREA	MPLE AREA			LABOR	LABORATORY	OF MA	OF MATERIALS
Homogeneous Area & Sample ID	Description	Location Room 2	Estimated Quantity	Printle (N/N)	Ashesto	Ashestos Present Percent Ashestos	Condition Assessment Category	Hazard Assessment Category
DS-17 T	12" Floor Tile (green specks)	EMS Restroom	Sec 05-16	z	960'0	ON	7	N/A
81-90	Floor Tile Mastic (yellow)	EMS Restroom		z	0.09%	S	Ţ.	N/A
61-90	Floor Tile Mastic (yellow)	EMS Restroom	20 SF	z	0.09%	2	7	N/A
06-20 T	Floor Tile Mastic (yellow)	EMS Restroom		z	0.0%	QN	7	N/A
07-21	Cove Base Mastic (yellow)	Weight Room		z	9600	Q.	7	N/A
07-22	Cove Base Mastic (yellow)	EMS Room	918 LF	z	0.0%	Ð	7	N/A
07-23 T	Cove Base Mastic (yellow)	Weight Room		z	<0.028	CHRY	7	N/A
08-24	Carpet Mastic (yellow)	EMS Room		z	0.0%	S	7	N/A
08-25	Carpet Mastic (yellow)	Bedroom	918 LF	z	0.0%	Q.	1	N/A
08-26 T	Carpet Mastic (yellow)	Bedroom		z	0.0%	9	7	N/A
09-27	Vinyl Sheet Flooring (beige squares)	Laundry Room		z	9,00	QN	7	N/A
09-28	Vinyl Sheet Flooring (beige squares)	Laundry Room	100 SF	z	9600	QN	7	N/A
09-29 T	Vinyl Sheet Flooring (beige squares)	Laundry Room		z	0.0%	QN	7	N/A
10-30	Vinyl Mastic (yellow)	Laundry Room		z	0.0%	2	7	N/A
10-31	Vinyl Mastic (yellow)	Laundry Room	100 SF	z	9,000	Q	7	N/A
10-32 T	Vinyl Mustic (yellow)	Laundry Room		z	0.0%	2	1	N/A
Thermal Systems Insula Thermal Systems Insula Thermal Systems Insula Significantly Darnaged Surfacing - Good Cond	Assessment Cintegories (1) Thermat Systems Insulation - Geod Confiles (3) Surfacing - Damaged (2) Thermat Systems Insulation - Damaged (6) Surfacing - Significantly Demaged (3) Three-Damaged (5) Mascellaneous - Good Confiles (4) Surfacing - Damaged (8) Miscellaneous - Damaged (4) Surfacing - Damaged (9) Miscellaneous - Significantly Damaged	polium; w pod		AMOS CROX ANTH	O O < E	E E	Asbestus Present Armonita ACTI Actinolita Inysosile ND - Nune Detected roscidolita NT - Not Tested roscidolita PACM - Presensed ACM Ambertos Detected Ambertos Detected	re cled sed ACM

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ASBESTOS SAMPLE DATA TABLE Fire Station #3 – 1701 Old Trolley Road – Summerville, SC

Humanganous Area Abangha Description Leanthood Relation Entire Annual Assistance Appears As		DESCRIPTION OF	DESCRIPTION OF EACH SAMPLE AREA			LABOR	LABORATORY	OF MATERIAL	OF MATERIALS
Ceramic Tile Grout Bathroom 224 SF Y 0.0% ND 7 Ceramic Tile Grout Bathroom 224 SF Y 0.0% ND 7 Ceramic Tile Grout Bathroom X 0.0% ND 7 L12" Floor Tile (beige) Kitchen/TV Room 650 SF N 0.0% ND 7 L12" Floor Tile (beige) Kitchen/TV Room 650 SF N 0.0% ND 7 Tile Mastic Kitchen/TV Room 650 SF N 0.0% ND 7 Tile Mastic Kitchen/TV Room 650 SF N 0.0% ND 7 Sink Coating Kitchen/TV Room Kitchen N 0.0% ND 7 Sink Coating Kitchen Kitchen Kitchen N 0.0% ND 7 Sink Coating Kitchen Kitchen N 0.0% ND 7 Joint Compound Bathroom/Laundry Room Sec 04+14 Y 0.0% ND <td< th=""><th>Homogeneous</th><th></th><th>The state of the s</th><th>Estimated</th><th>Friable</th><th>Ashesto</th><th>s Present</th><th>Condition</th><th>Hazard</th></td<>	Homogeneous		The state of the s	Estimated	Friable	Ashesto	s Present	Condition	Hazard
Ccramic Tile Grout Bathroom Bathroom Bathroom Bathroom Bathroom Ccramic Tile Grout Bathroom Bathroom X 0.0% ND 7	ID ID		- The street section of	Quantity		Pervent	Asheston	Calegory	Category
Ceramic Tile Grout	11-33	Ceramic Tile Grout	Bathroom		¥	0.0%	Q	7	N/A
12" Floor Tile Cheige) Kitchen/TV Room 550 SF N 0.0% ND 7	11-34	Ceramic Tile Grout	Bathroom	224 SF	×	0.0%	2	7	N/A
12" Floor Tile (beige) Kitchen/TV Room 650 SF N 0,0% ND 7 12" Floor Tile (beige) Kitchen/TV Room 650 SF N 0,0% ND 7 Tile Mastic Kitchen/TV Room 650 SF N 0,0% ND 7 Tile Mastic Kitchen/TV Room Kitchen/TV Room N 0,0% ND 7 Sink Coating Kitchen/TV Room Kitchen N 0,0% ND 7 Sink Coating Kitchen Kitchen N 0,0% ND 7 Sink Coating Kitchen Kitchen N 0,0% ND 7 Joint Compound Bathroom Bathroom Soc 0+14 Y 0,0% ND 4 Celling Tile Bathroom/Laundry Room Y N 0,0% ND 7	11-35	Ceramic Tile Grout	Bathroom		Y	9600	2	7	N/A
12" Floor Tile (beige) Kitchen/TV Room 659 SF N 0.0% ND 7 Tile Mastic Kitchen/TV Room 659 SF N 0.0% ND 7 Tile Mastic Kitchen/TV Room 650 SF N 0.0% ND 7 Tile Mastic Kitchen/TV Room 650 SF N 0.0% ND 7 Sink Coating Kitchen/TV Room Kitchen N 0.0% ND 7 Sink Coating Kitchen Kitchen Kitchen N 0.0% ND 7 Sink Coating Kitchen Kitchen Kitchen N 0.0% ND 7 Joint Compound Bathroom Bathroom A 0.0% ND 4 Celling Tile Bathroom/Laundry Room P Y 0.0% ND 7 Celling Tile Bathroom/Laundry Room P Y 0.0% ND 7	12-36	12" Floor Tile (beige)	Kitchen/TV Room		z	0.09%	2	7	N/A
12" Floor Tile (beige) Kitchen/TV Room N 0.0% ND 7 Tile Mastic Kitchen/TV Room 650 SF N 0.0% ND 7 Tile Mastic Kitchen/TV Room N 0.0% ND 7 Sink Coating Kitchen N 0.0% ND 7 Sink Coating Kitchen N 0.0% ND 7 Sink Coating Kitchen N 0.0% ND 7 Joint Compound Bathroom Scc 04-14 Y 0.0% ND 4 Loint Compound Bathroom/Laundry Room Y 0.0% ND 7	12-37	12" Floor Tile (beige)	Kitchen/TV Room	650 SF	z	0,0%	Ø	7	N/A
Tile Mastic Kitchen/TV Room 650 SF N 0.0% ND 7 Tile Mastic Kitchen/TV Room 650 SF N 0.0% ND 7 Sink Coating Kitchen/TV Room Kitchen N 0.0% ND 7 Sink Coating Kitchen 6 SF N 0.0% ND 7 Sink Coating Kitchen Kitchen 6 SF N 0.0% ND 7 Joint Compound Bathroom Bathroom Sec 04-14 Y 0.0% ND 4 Celling Tile Bathroom/Laundry Room Y 0.0% ND 7 Celling Tile Bathroom/Laundry Room Y 0.0% ND 7	12-38 T	12" Floor Tile (beige)	Kitchen/TV Room		z	0.09%	9	7	N/A
Tile Mastic Kitchen/TV Room 650 SF N 0.0% ND 7 Tile Mastic Kitchen/TV Room N 0.0% ND 7 Sink Coating Kitchen 6 SF N 0.0% ND 7 Sink Coating Kitchen 6 SF N 0.0% ND 7 Joint Compound Bathroom Bathroom Sco 04-14 Y 0.0% ND 4 Ceiling Tile Bathroom/Laundry Room Y 0.0% ND 7 Ceiling Tile Bathroom/Laundry Room Y 0.0% ND 7	13-39	Tile Mastic	Kitchen/TV Room		z	0,09%	2	7	N/A
Tile Mastic Kitchen/TV Room N 0.0% ND 7 Sink Coating Kitchen 6 SF N 0.0% ND 7 Sink Coating Kitchen 6 SF N 0.0% ND 7 Joint Compound Bathroom Sec 04-14 Y 0.0% ND 4 Celling Tile Bathroom/Laundry Room Y 0.0% ND 7 Celling Tile Bathroom/Laundry Room Y 0.0% ND 7	13-40	Tile Mastic	Kitchen/TV Room	650 SF	z	960'0	8	7	N/A
Sink Coating Kitchen 6 SF N 0.0% ND 7 Sink Coating Kitchen 6 SF N 0.0% ND 7 Joint Compound Bathroom Soc 04-14 Y 0.0% ND 4 Celling Tile Bathroom/Laundry Room Y 0.0% ND 7 Celling Tile Bathroom/Laundry Room Y 0.0% ND 7	1771	Tile Mastic	Kitchen/TV Room		z	960'0	Q	1	N/A
Sink Coating Kitchen 6 SF N 0.0% ND 7 Sink Coating Kitchen N 0.69% CHRY 7 Joint Compound Bathroom/Laundry Room Soc 04-14 Y 0.0% ND 4 Celling Tile Bathroom/Laundry Room Y 0.0% ND 7 Celling Tile Bathroom/Laundry Room Y 0.0% ND 7	14-42	Sink Coating	Kitchen		z	0.0%	QN	7	N/A
Sink Coating Kitchen N 0.69% CHRY 7 Joint Compound Bathroom/Laundry Room Y 0.0% ND 4 Celling Tile Bathroom/Laundry Room Y 0.0% ND 7 Celling Tile Bathroom/Laundry Room Y 0.0% ND 7	14-43	Sink Coating	Kitchen	6 SF	z	9,000	2	7	N/A
Joint Compound Bathroom Sec 04-14 Y 0.0% ND 4 Joint Compound Bathroom/Laundry Room Y 0.0% ND 7 Celling Tile Bathroom/Laundry Room Y 0.0% ND 7	14-44 T	Sink Coating	Kitchen		z	0.69%	CHRY	7	NIA
Joint Compound Bathroom Sec U+1+ Y 0.0% ND 4 Ceiling Tile Bathroom/Laundry Room 210 SF Y 0.0% ND 7 Ceiling Tile Bathroom/Laundry Room 7 ND 7	04-45	Joint Compound	Bathroom		, es = 1	0.0%	Ø	7	N/A
Ceiling Tile Bathroom/Laundry Room Y 0,0% ND 7 Ceiling Tile Bathroom/Laundry Room Y 0,0% ND 7	04-46	Joint Compound	Bathroom		02	0.0%	Ø	4	N/A
Celling Tile Bathroom/Laundry Room Y 0.0% ND 7	15-47	Ceding Tile	Bathroom/Laundry Room	2000	٨	0,0%	9	7	N/A
	15-48	Ceiling Tile	Bathroom/Laundry Room	70 017	>	0.0%	9	7	N/A

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ASBESTOS SAMPLE DATA TABLE Fire Station #3 - 1701 Old Trolley Road - Summerville, SC

	DESCRIPTION OF	DESCRIPTION OF EACH SAMPLE AREA			LABORATORY	ATORY	OF MAT	ASSESSMENT OF MATERIALS
Homogeneous Area & Sample ID	Description	Location Room #	Estimated Quantity	Printik (V/N)	Achestos Present Percent Ashesto	Present	Condition Assessment Category	Hazard Assessment Category
15-49	Ceiling Tile	Bathroom/Laundry Room	Se 15-48	>	0.0%	9	7	N/A
16-50	EPDM Roof Membrane	Housing Area Roof		z	0.0%	2	7	N/A
16-51	EPDM Roof Membrane	Housing Area Roof	2,449 SF	z	960.0	2	7	N/A
16-52 T	EPDM Roof Membrane	Housing Area Roof		z	960'0	9	7	N/A
17-53	Metal Roof Tar	Engine Bay Roof		z	960'0	g	7	N/A
17-54	Metal Roof Tar	Engine Bay Roof	256 SF	z	960.0	Q.	7	N/A
17-55 T	Metal Roof Tar	Engine Bay Roof		z	960'0	2	7	N/A
18-56	Exterior Caulk	Exterior		z	960.0	Q.	7	N/A
18-57	Exterior Caulk	Exterior	64 SF	z	960.0	Q.	1	N/A
18-58 T	Exterior Caulk	Exterior		z	0.0%	Q	7	N/A
Assessment Carl (1) Thermal Systems Insulation—Cased Con (2) Thermal Systems Insulation—Damaged (3) Thermal Systems Insulation—Damaged Significantly Damaged (4) Surfaces Good Conflitton	difor	(5) Surfacing – Damaged (6) Surfacing – Sagnificantly Damaged (7) Missellamous – Groot Condition (8) Missellamous – Damaged (9) Missellamous – Sagnificantly Damaged		AMO CIRC CRO ANTI THEN THEN THEN THEN THEN THEN THEN THEN	AMOS - Amosite Actin - Actin CHP - CHP - CHP - CHP - CHP - ND - None I CHRY - Chrystelle NT - Not Te ANTH - Astrophylie PACM - PV - TERM Trendite Abbetto Pt Term - Trendite Abbetto Pt Term - Trendite Abbetto Pt - Somple Result by TEM Astalysis	P ==	ACTI - Actinolite ND - None Datastal NT - Not Tostel PACM - Personned ACM Asherion Detected M Analysis	dal and ACM

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CONCLUSIONS/RECOMMENDATIONS

Asbestos Inspection

The comprehensive asbestos survey performed by Trident Environmental Services, Inc. on January 26, 2017 of the Fire Station #3 located at 1701 Old Trolley Road in Summerville, South Carolina **did not** reveal the presence of ACBM's. Renovation or demolition activities that will disturb the ACBM's will require removal per state and federal regulations. Asbestos materials can become hazardous when, due to damage, disturbance, or deterioration over time, they release asbestos fibers into the air of the building. All areas that contain asbestos should be utilized in a controlled manner to reduce the potential for disturbance. OSHA requires notification to all trades/contractors about the condition of the ACBM's to prevent possible occupational exposures.

Demolition activities in public and commercial buildings are regulated by OSHA, EPA, and SCDHEC. 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 the proper removal and disposal of ACBM that is affected by renovation or demolition. Demolition of the subject structures will require written notification, proper transportation, and disposal per state and federal regulations.

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<u>PHOTOGRAPHS</u> Fire Station #3 – 1701 Old Trolley Road – Summerville, SC



HOMOGENEOUS AREA 01 2' X 4' CEILING TILE



HOMOGENEOUS AREA 02 2' X 4' CEILING TILE



HOMOGENEOUS AREA 03 DRYWALL



HOMOGENEOUS AREA 04 JOINTCOMPOUND



HOMOGENEOUS AREAS 05, 06

12" FLOOR TILE (GREEN SPECKS)

MASTIC (YELLOW)



HOMOGENEOUS AREA 07 COVE BASE MASTIC (YELLOW)



HOMOGENEOUS AREA 08 CARPET MASTIC (YELLOW)



HOMOGENEOUS AREAS 09, 10 VINYL SHEET FLOORING (BEIGE) MASTIC (YELLOW)



HOMOGENEOUS AREA 11 CERAMIC TILE GROUT



HOMOGENEOUS AREAS 12, 13 12" FLOORTILE (BEIGE)/MASTIC



HOMOGENEOUS AREA 14 SINK COATING



HOMOGENEOUS AREA 15 CEILING TILE

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<u>PHOTOGRAPHS</u> Fire Station #3 – 1701 Old Trolley Road – Summerville, SC



HOMOGENEOUS AREA 16 EPDM ROOF MEMBRANE

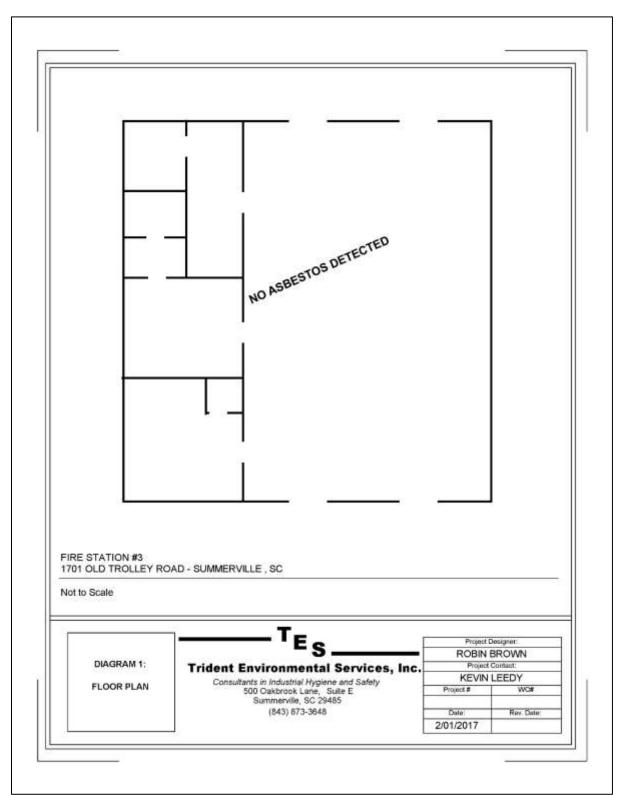


HOMOGENEOUS AREA 17 METAL ROOF TAR



HOMOGENEOUS AREA 18 EXTERIOR CAULK

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COMPREHENSIVE ASBESTOS SURVEY

Inspection Date: 01/26/2017

Preparation Date: 02/02/2017

Inspected By:

Kevin E Leedy

S.C. Inspector License ASB – 20589

SCDHEC ISSUED

Asbestos ID Card

Kevin Leedy

9

CONSULTBI ASB-20589 01/27/17 AIRSAMPLER ASB-20498 02/07/17 CONSULTPD ASB-22878 06/30/17

Prepared By:

Tim Nickel S.C. Inspector License BI – 00844

SCDHEC ISSUED

Asbestos ID Card

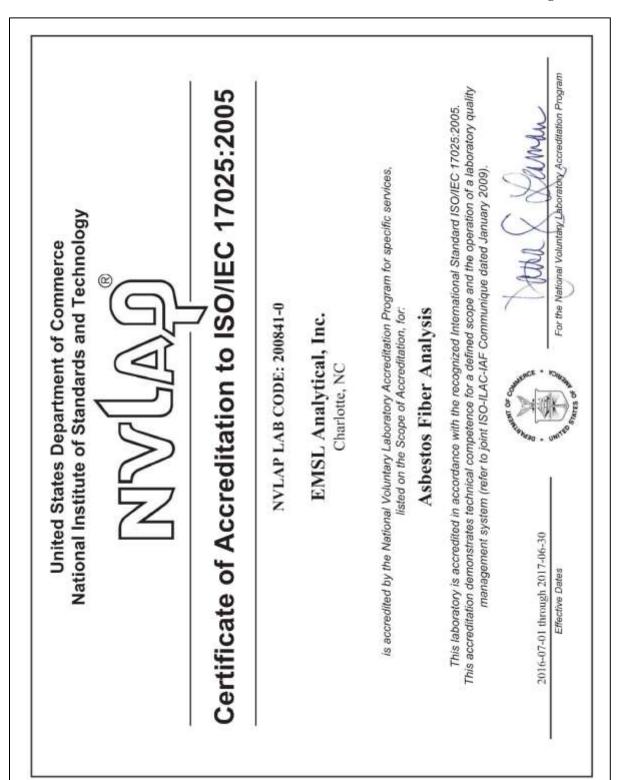
Tim Nickel

Expiration Date

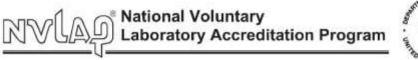
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AIRSAMPLER AS-00147 01/17/17 CONSULTBI BI-00844 08/07/17

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SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

EMSL Analytical, Inc.

376 Crompton Street Charlotte, NC 28273 Mr. Lee Plumley Phone: 704-525-2205 Fax: 704-525-2382 Email: lplumley@cmsl.com http://www.emsl.com

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 200841-0

Bulk Asbestos Analysis

Code Description

18/A01 EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

Code Description

18/A02 U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and

Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in

40 CFR, Part 763, Subpart E, Appendix A.

For the National Voluntary Laboratory Accreditation Program

Effective 2016-07-01 through 2017-06-30

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EMSL Analytical, Inc.

376 Crompton Street Charlotte, NC 28273
TeVFax: (704) 525-2305 / (704) 525-2382
http://www.EMSL.com / charlottelab@ermil.com

EMSL Order: 411700568 Customer ID: TRID50 Customer PO:

Phone: (843) 670-9987

Project ID:

Attention: Kevin Leedy

Trident Environmental Services, Inc. Fax:

500 Oakbrook Lane Received Date: 01/27/2017 10:25 AM

Suite E Analysis Date: 01/27/2017 - 01/28/2017
Summerville, SC 29485 Collected Date: 01/26/2017

Project: Fire Station #3/ 1701 Old Trolley - Summerville, SC

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

			Non-Asbes	dos	Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
01-01 411/00568-0001	Weight Room - Ceiling Tile (2x4)	Gray/White Fibrous Homogeneous	50% Celtulose 8% Min. Wool	10% Perilie 32% Non-fibrous (Other)	None Detected
01-02	Weight Room - Cesing Tile (2x4)	Gray/White Fibrous	55% Cellulose 8% Min. Wool	10% Perite 27% Non-fibrous (Other)	None Detected
411700509-0002	PERSONAL STATES	Homogeneous	120000000000000000000000000000000000000	sava omi averancia //	
01-03	Weight Room - Ceiling Tile (2x4)	Tan Fibrous Homogeneous	50% Cellulose 5% Min. Wool	10% Peritie 35% Non-fibrous (Other)	None Detected
02-04	EMS Room - Ceiling	Gray/White	60% Cellulose	10% Perite	None Detected
***************************************	Tite (2x4)	Fibrous	8% Min. Wool	22% Non-fibrous (Other)	. 10110 20100000
411700998-0004		Homogeneous			
02-05	EMS Room - Ceiling Tile (2x4)	Gray/White Fibrous Homogeneous	80% Cellulose 8% Min. Wool	10% Perite 22% Non-fibrous (Other)	None Detected
02-06	EMS Room - Ceiling	Tan	50% Cellulose	10% Perite	None Detected
611700389-000#	Tile (2x4)	Fibrous Homogeneous	10% Min. Wool	30% Non-fibrous (Other)	THORN LOUGLISES
03-07	Weight Room - Drywell	Gray Fibrous	10% Cellulose	90% Non-fibrous (Other)	None Detected
411700568-0007	33/50/00/	Homogeneous			
03-08	EMS - Drywall	Gray/White Fibrous	8% Celtulose	92% Non-fibrous (Other)	None Detected
#11700568-000B		Homogeneous			
03-09	Loundry - Drywell	Brown/Gray Fibrous	1% Celulose 1% Glass	89% Non-fibrous (Other)	None Detected
	Mariana da La	Homogeneous White		40% Ca Carbonate	Non-Briefed
04-10 ###700388-0010	Weight - Joint Compound	Non-Fibrous Homogeneous		60% Non-fibrous (Other)	None Detected
04-11	EMS - Joint Compound	White Non-Fibrous		40% Ca Carbonato 50% Non-fibrous (Other)	None Detected
411700558-0017		Homogeneous			2007797000000
04-12 411/0098-00/2	Laundry - Joint Compound	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
04-13	Kitchen - Joint	White Non-Fibrous		40% Ca Carbonate	None Detected
417700368-0013	Compound	Homogeneous		60% Non-fibrous (Other)	
04-14	Bath - Joint Compound	White Non-Fibrous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
411700358-0014		Homogeneous		5 2	
05-15	EMS Restroom - 12" Floor Tile (Green	White Non-Fibrous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
#11/0000B-GE15	Specks)	Homogeneous			
05-16 411700368-0016	EMS Restroom - 12* Floor Tile (Green	Tan Non-Fibrous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
411/U008B-001E	Specks)	Homogeneous			

Initial report from: 01/30/2017 08:05:26

ASB_PLM_0008 - 1,71 Printed: 1/30/2017 8:05 AM

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EMSL Order: 411700568 Customer ID: TRID50 Customer PO: Project ID:

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

25-18				Non-Asber	The state of the s	Asbestos
Floor Title Master: Hon-Fibrous Hon-Sperous	Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
De-19	06-18	Floor Tile Mastic	Non-Fibrous	3% Cellulose	97% Non-fibrous (Other)	None Detected
Marian Montage Marian Montage Montage Montage Marian Montage Montage Marian Montage Marian Montage Marian Montage Marian Montage Marian Montage Marian	06-19	EMS Restroom -	Yellow	2% Celulose		None Detected
Winght	#11700568-0018				55 st Normanous (curer)	
Homogeneous	07-21		Tan			None Detected
Marsic Mon-Fibrous S0N Non-Risrous (Other) Mon-Fibrous Mon-Fib	#11700559-001P	ATTERNA	Homogeneous		0.8201400000000000000000000000000000000000	
26-24 EMS - Carpet Master (Yellow) Non-Fibrous S9% Carbonate S9% Carbonate None Detected Non-Fibrous S9% Carbonate None Detected None Detected None Detected S9% Carbonate None Detected None Detected None Detected None Detected S9% Carbonate S9% Carbonate None Detected S9% Carbonate S9% Carbo	07-22		Non-Fibrous			None Detected
			Homogeneous		erect standardner	
198-25 Bedroom - Carpet Wolfey Pizzous 2% Cellulose 5% Nan-Ribrous (Other) None Detected	08-24		Non-Fibrous			None Detected
Mastic (Yellow)						N
1962 1975	49,4270		Fibrous	2% Celulose	4 10 20 000 000 000	None Detected
Floor (Beige Squares) Non-Fibrous 1% Glass 15% Ca Carbonate None Detected Floor (Beige Squares) Floor (Beige) Floor (B		Laundry - Vinyl Shari	A continue of	10% Cellulose	89% Non-fibrous (Other)	None Detector
December December	2420223		Non-Fibrous			The second second second
Floor (Beige Squares) Floor (Pelow) Flor (Pelow) Floor (Pelow) Floor (Pelow) Floor (Pelow) Floor	#11700868-0003	Production of the Control of the Con		SAME WAS ASSESSED.		08109499000
	09-28		Fibrous	8% Cellulose		None Detected
		14/10/19/40 17 4 24/19/40 24 24/19/40		100000000000000000000000000000000000000	Salar Salar Salar Salar Salar Salar	4477744300004
Laundry - Viryl Massic (Yellow) Non-Fibrous 90% Non-fibrous (Other) None Detected 90% Ca Carbonate None Detected 90% Ca Carbonate None Detected 90% Ca Carbonate 90% Non-fibrous (Other) 90% Ca Carbonate 90% None Detected 90% Ca Carbonate 90% None Detected 90% None Detected	V 1970-1970-1970		Non-Fibrous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
Non-Fibrous Homogeneous		Tenester Uler Mente			10% Co Contracto	None Potential
11-33	#11/0000H-0029		Non-Fibrous			None Detected
Homogeneous Homogeneous B7% Non-Ritrous (Other)	11-33	Bathroom - Cer. Tile			8% Quartz	None Detected
Grout Non-Fibrous 5% Ca Carbonate 5% Non-fibrous (Other) 11-35 Bathroom - Cer. Tile Gray 5% Quartz None Detected 17% Ca Carbonate 17% Ca Carbonate 17% Ca Carbonate 17% Non-Fibrous (Other) 12-36 Kitchen/ TV Room - 12" Floor Tile (Beige) Non-Fibrous 17% Non-fibrous (Other) 12-37 Kitchen/ TV Room - 12" Floor Tile (Beige) Non-Fibrous 17% Non-fibrous (Other) 12-37 Kitchen/ TV Room - 12" Floor Tile (Beige) Non-Fibrous 12" Floor Tile (Beige) Non-Fibrous (Other) 13-39 Kitchen/ TV Room - Tan 2% Cellulose 5% Ca Carbonate None Detected 13" None Detected 14" None Detected 14" None Fibrous 15% Cellulose 5% Ca Carbonate None Detected 14" None Detected 14" None Fibrous 15% Cellulose 5% Ca Carbonate None Detected 14" None Detected 14" None Fibrous 14" None Fibrous 14" None Detected 14" None Detected 14" None Fibrous 14" None Fibrous 14" None Detected 14" None Detected 14" None Fibrous 14" None Fibrous 15% Cellulose 15% Cellulose 15% Ca Carbonate None Detected 14" None Detected 14" None Fibrous 15% Cellulose 15% Cellulose 15% Ca Carbonate None Detected 14" None Detected 14" None Fibrous 15% Cellulose 15% Cellulose 15% Cellulose 15% Ca Carbonate None Detected 14" None Fibrous 15% Cellulose	¢11700350-0027	Grout				84030 3300300
Homogeneous	11-34					None Detected
Grout Mon-Fibrous 10% Cal Carbonate 85% Non-fibrous (Other)	£11700589-0009	977/250				
12-36	11-35		Non-Fibrous		10% Ca Carbonate	None Detected
12" Floor Tile (Beige) Non-Fibrous 10% Non-Fibrous (Other) 12-37 Kitchen/ TV Room Non-Fibrous 12" Floor Tile (Beige) Non-Fibrous 13-39 Kitchen/ TV Room Tile Mastic Non-Fibrous Non-Fibrous 15% Cellulose 5% Ca Carbonata None Detected 13-40 Kitchen/ TV Room Tile Mastic Fibrous 15% Cellulose 5% Ca Carbonata None Detected 13-40 Kitchen/ TV Room Homogeneous 15% Cellulose 5% Ca Carbonata None Detected 14-42 Kitchen Sink White 15% Cellulose 5% Ca Carbonata None Detected 14-43 Kitchen Sink Tan 25% Cellulose 5% Ca Carbonata None Detected 14-43 Kitchen Sink Tan 25% Cellulose 5% Ca Carbonata None Detected 14-43 Kitchen Sink Tan 25% Cellulose 5% Ca Carbonata None Detected 14-43 Kitchen Sink Tan 25% Cellulose 5% Ca Carbonata None Detected 14-43 Kitchen Sink Tan 25% Cellulose 5% Ca Carbonata None Detected 14-43 Kitchen Sink Tan 25% Cellulose 5% Ca Carbonata None Detected 14-43 Kitchen Sink Tan 25% Cellulose 5% Ca Carbonata None Detected 14-43 Kitchen Sink Tan 25% Cellulose 5% Ca Carbonata None Detected 14-43 Kitchen Sink Tan 25% Cellulose 5% Ca Carbonata None Detected 14-43 Kitchen Sink Tan 25% Cellulose 5% Ca Carbonata None Detected 14-43 Kitchen Sink Tan 25% Cellulose 5% Ca Carbonata None Detected 14-43 Kitchen Sink Tan 14-43 Kitchen Sink Tan 14-44 Kitchen	411700568-0029	PARTITION PARTITIONS				Limbitand meters
12-37	12-36		Non-Fibrous			None Detected
12" Floor Tile (Beige) Non-Fibrous Homogeneous 13-39 Kitcheni TV Room Tan 2% Cellulose 5% Ca Carbonata None Detected 13-40 Kitcheni TV Room Tile Mastic Homogeneous 10% Cellulose 5% Ca Carbonata None Detected 13-40 Kitcheni TV Room Tile Mastic Fibrous 10% Cellulose 5% Ca Carbonata None Detected 15% Non-Fibrous (Other) 15% None-Fibrous (Other) 14-42 Kitchen - Sink White 15% Cellulose 5% Ca Carbonata None Detected 14-43 Kitchen - Sink Tan 25% Cellulose 5% Ca Carbonata None Detected 14-43 Kitchen - Sink Tan 25% Cellulose 5% Ca Carbonata None Detected 14-43 Kitchen - Sink Tan 25% Cellulose 5% Ca Carbonata None Detected 14-43 None-Fibrous (Other) 15% Cellulose 15% Cellulose 15% Ca Carbonata None Detected 14-43 None-Fibrous (Other) 15% Cellulose 15% Ca Carbonata None Detected 14-43 None-Fibrous (Other) 15% Cellulose 15% Cellulose 15% Ca Carbonata None Detected 14-43 None-Fibrous (Other) 14-43 None-Fibrous (O	Access to the last of the last	Milebook Transport			4000 Da Daniero	Allows Photographs
13-39 Kitcheni TV Room Tan 2% Caltulose 5% Ca Carbonate None Detected			Non-Fibrous			reone Detected
Tile Mastic		Kitcheni TV Room -		2% Colluinse	5% Ca Carbonata	None Detected
13-40 Kitchen/TV Room-	#11700986-0032		Non-Fibrous	an Control	200 200 200 200	Will Delicolog
Tile Mastic Fibrous B5% Non-Fibrous (Other)	13-40	Kitchen/ TV Room -		10% Cellulose	5% Ca Carbonate	None Detected
14-42 Kitchen - Sink White 15% Cellulose 5% Ca Carbonate None Detected			Fibrous			25245 (277)
Coating Mon-Fibrous 80% Non-Fibrous (Other)	Name and Address of the Owner o	Kitchen - Sink		15% Calkings	5% Ca Carbonata	None Detector
14-43 Kitchen - Sink Tan 25% Cellulosa 5% Ca Carbonate None Detected Coating Fibrous 70% Non-fibrous (Other)	£11700368-0094		Non-Fibrous	TO A COLUMN		THE LABORAGE
	14-43		Tan	25% Cellulose		None Detected
	411700568-0535	1235746				

Initial report from: 01/30/2017 08:05:25

ASB_PLM_0008 - 1,71 Printed: 1/30/2017 8:05 AM

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EMSL Order: 411700568 Customer ID: TRID50 Customer PO: Project ID:

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

			Non-Asbe	stos	Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
04-45 411700598-0038	Bathroom - Joint Compound	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
04-46 411700888-0007	Bathroom - Joint Compound	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
15-47 er:700509-0038	Bath/ Laundry - Ceiling Tile	Gray Fibrous Homogeneous	5% Cellulose 1% Glass	94% Non-fibrous (Other)	None Detected
15-48 +11700568-0009	Bath/ Laundry - Ceiling Tile	Gray Non-Fibrous Homogeneous	9% Celtulose 1% Glass	91% Non-fibrous (Other)	None Detected
15-49 #11/00388-0040	Bath/ Laundry - Ceiling Tile	Gray Fibrous Homogeneous	10% Cellulose 1% Glass	89% Non-fibrous (Other)	None Detected
16-50 411700598-0041	Roof Top (House Area) - EPDM Roof	Tan Fibrous Homogeneous	10% Glass	5% Ca Carbonate 85% Non-fibrous (Other)	None Detected
16-51 er/700308-0042	Roof Top (House Ares) - EPDM Roof	Brown Fibrous Homogeneous	10% Synthetic	90% Non-fibrous (Other)	None Detected
17-53 411/00988-0043	Roof Top (Engine) - Tar on Metal Roof	Black Non-Fibrous Homogeneous	5% Cellulose	5% Ca Carbonate 90% Non-fibrous (Other)	None Detected
17-54 err/00088-0084	Roof Top (Engine) - Tar on Metal Roof	Black Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
18-56 417/00008-0045	Ext. Caulk - Caulking	Black Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
18-57 #1700350-0046	Ext. Caulk - Caulking	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Aaron Hartley (1) Lyterra Barrow (26) Lacy Searcy (19) Lee Plumley, Laboratory Manager or Other Approved Signatory

Evan L. Plumber

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Samples analyzed by EMSL Analytical, Inc. Chariotte, NC NVLAP Lab Code 200841-0, VA 3333 00312

Initial report from: 01/30/2017 08:05:26

ASB_PLM_0008 - 1.71 Printed: 1/30/2017 8:05 AM

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EMSL Analytical, Inc.

376 Crompton Street Charlotte, NC 28273 TeVFax: (704) 525-2205 / (704) 525-2382 http://www.EMSL.com / charlottelab@ernsl.com

EMSL Order: 411700568 Customer ID: TRID50 Customer PO: Project ID:

Attention: Kevin Leedy

Trident Environmental Services, Inc.

500 Oakbrook Lane Suite E

Summerville, SC 29485

Project: Fire Station #3/ 1701 Old Trolley - Summerville, SC

Phone: (843) 670-9987

Fax:

Received Date: 01/27/2017 10:25 AM

Analysis Date: 02/01/2017 Collected Date: 01/26/2017

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
05-17 411700568-0047	EMS Restroom - 12" Floor Tile (Green Specks)	GrayWhite Non-Fibrous Homogeneous	100	None	No Asbestos Detected
06-20 411700368-0048	EMS Restroom - Floor Tile Mastic (Yellow)	Yellow Non-Fibrous Homogeneous	100	None	No Asbestos Detected
07-23 411700568-0049	Weight Room - Cove Base Mastic	Yellow Non-Fibrous Homogeneous	99.2	0.85 Fibrous_Other	<0,28% Archophyllite
08-26 411700568-0050	Bedroom - Carpet Mastic (Yellow)	Yellow Non-Fibrous Homogeneous	100	None	No Asbestos Detected
09-29 411700568-0051	Laundry - Vinyl Sheet Floor (Beige Squares)	Tan/Beige Fibrous Heterogeneous	100	None	No Asbestos Detected
10-32 411700568-0082	Laundry - Vinyl Mastic (Yellow)	Yellow Non-Fibrous Homogeneous	100	None	No Asbestos Detected
12-38 411700568-0053	Kitchen/ TV Room - 12" Floor Tile (Beige)	White Non-Fibrous Homogeneous	100	None	No Asbestos Detected
13-41 411700568-0054	Kitchen/ TV Room - Tile Mastic	Yellow Non-Fibrous Homogeneous	100	None	No Asbestos Detected
14-44 411700568-0058	Kitchen - Sink Coating	White Non-Fibrous Homogeneous	90.3	None	0.69% Chrysotile
16-52 411700568-0056	Roof Top (House Area) - EPDM Roof	Tan Fibrous Heterogeneous	100	None	No Asbestos Detected
17-55 411700568-0057	Roof Top (Engine) - Tar on Metal Roof	Black Non-Fibrous Homogeneous	100	None	No Asbestos Detected
18-58 411700568-0058	Ext. Caulk - Caulking	Gray/Black Non-Fibrous Homogeneous	100	None	No Asbestos Detected

This issocratory is not responsible for % sebestos in total sample when the residue dirty is submitted for analysis. The above report resides only to the items tested. This report may not be reproduced, except in full, without written approval by EMSs, Analytical, Inc. Samples nearlyed in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. Incleum, wellboard, etc.) are reported as a single sample.

Samples enalyzed by EMSt. Analytical, Inc. Charlotte, NC

Initial report from: 02/01/2017 13:06:58

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EMSL Analytical, Inc.
376 Crompton Street Charlotte, NC 28273
Tel/Fax: (704) 525-2265 / (704) 525-2382
http://ennw.EMSL.com / charlottelab@emsl.com

EMSL Order: 411700568 Customer ID: TRID50 Customer PO: Project ID:

Attention: Kevin Leedy

Trident Environmental Services, Inc.

500 Oakbrook Lane

Suite E

Summerville, SC 29485

Project: Fire Station #3/ 1701 Old Trolley - Summerville, SC

Phone: (843) 670-9987

Fax:

Received Date: 01/27/2017 10:25 AM

Analysis Date: 02/01/2017 Collected Date: 01/26/2017

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 Filbers Asbestos Types

Analysi(s)

Demick Young (12)

Lee Plumley, Laboratory Manager or other approved signatory

This issocratory is not responsible for % sebestos in total sample when the residue dirty is submitted for analysis. The above report resides only to the items tested. This report may not be reproduced, except in full, without written approval by EMSs, Analytical, Inc. Samples nearlyed in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. Incleum, wellboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Charlotte, NC

Initial report from: 02/01/2017 13:06:58

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Page 23 of 26

ID: 4117	51	Chain o	Building Materia of Custody omber (Lab Use Only):	Charlotte, N	ton Street
EMEL ANALY	TIGAL, INC.	£	8200511	FAX: (70	4) 525-2382
Company	TRIDENT ENVIR	ONMENTAL SERVICES		-Bill to: Same Different	
	Oakbrook Lane S		The Supplemental Control of the Cont	requires written authorization from	
City: Sumi		State/Province: SC	Zip/Postal Code: 294	remarkant and the second secon	avication for
	(Name): Kevin Leed	dy	Telephone #: 843670	9987	
Email Add	ress: kevinleedy@	tridentenvironmental.com	Fax #: 8436709987	Purchase Order	-
	me/Number: Fire St		Please Provide Resul		
u.s. State	Samples Taken: SC	The state of the s	TAT) Options* - Please C	mercial/Taxable Resident	uairTax Exemp
3 Hour	☐ 6 Hour	24 Hour 1 48 Hou	r 72 Hour	96 Hour 1 1 Week	2 Week
For TEM AL	3 hr through 6 hr, pleas athorization form for this	a call ahead to schedule. There is a service. Analysis completed in acco	promium charge for 3 Hour TEM adance with EMSL's Terms and	AMERA or EPA Level II TAT. You've Conditions located in the Analytical F	et be asked to sig Vice Guide
	PLM - Bulk (res			TEM - Bulk	
The second second	A 600/R-93/116 (<15	%)	and the second s	A 600/R-93/116 Section 2.5.5	
A Constant Office III	A NOB (<1%)	T 4000 (40 40)	NY ELAP Method 198		
	t 400 (<0.25%) [」1000 (<0.1%) 00 (<0.25%) □ 1000 (<0.1%)	Chatfield Protocol (se	PA 600/R-93/116 Section 2.5.5	2
	9002 (<1%)	(a) (-a) (a) (a) (a) (a)	☐ TEM Qualitative via F		5-
The second of the second of	AP Method 198.1 (fria	able in NY)	The second state of the second	Prop Mount Prep Technique	
☐ NY ELA	AP Method 198.6 NO			Other	
No. of Concession, Name of Street, or other party.	D-191 Modified		0		
☐ Standa	rd Addition Method	State of the second		0.410.04.7	
		Clearly Identify Homogenou	s Group Date Sampled:	01/26/17	
Samplers	Name: Kevin Le	edy	Samplers Signatur	no: (K)	
Sample #	HA#	Sample Location		Material Description	in.
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					PACE TO SERVICE AND ADDRESS OF THE PACE TO SERVICE
	ple # (s):	B1-01 .	18-50	Total # of Samples:	0
Client San	ed (Client):	(XX) D	ato: 1/26/1	Time:	649
		104	ato: 1/27/17	2011	25 BASE FA
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olvi	1 x	Date	43	مثلا	Follow - Summer	THE RESERVE TO SHARE THE PARTY OF THE PARTY	ct Name:	1000			
	ASSESSMENT OF MATERIALS					DESCRIPTION OF EACH SAMPL					
HAZ	COND Assess	Asbestos Type	Friedrie (-)	Friable (+)	Description	Location	Sample ID	Homog Area			
				x	ceil + 1/2 (2x4)	WeightRa	10	10			
				x	3	3	Ca				
				X	1	4	03				
				K	ce-Inctile	EMSRM	GU	32			
				X	J. (Smi)	7-1	65				
				K	2	1	06				
				+	Drywall	Weight Rm	00	33			
				×		ENS	08				
				K	1	LAUNDER	CS				
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				X	,	ENGS	11				
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			X		~		17				
			x		Fr tile med		18	90			
			X) (yellow)		19				
			X		4	1	90				
					steem seeds	Weight	31	20			
ies	Categor) Assessmen	HAZARE	000	Asbestos Present (1) Amostie	ns Insulation - Good Condition	sermus Division	(1) Th			
rice		d Condition aged accently Danu ow Potential &	D = Dam S = Signi		(2) Chrysothie (3) Crocidelite (4) Arthophysite (5) Termoite (6) Adanoite	(2) Thermal Systems Insulation - Drenaged (2) C (3) Thermal Systems Insulation - Significantly Damaged (3) C (4) Surfacing - Good Condition (4) A (5) Surfacing - Dismaped (5) T					
160	. 1	Date / Tim			*		Collected	ounion.			
1	0. 1	Date / Tim				d by:	Received	Samples			

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		- 1	1 #2	H 150 S-		= 0 ()	. 1	EN			
	ct Name:	. h	4000	1	Date	1/3	da				
	Location:	1.101 012	AND DESCRIPTION OF THE PERSON NAMED IN COLUMN	Signeralle			ASSESSMENT				
	DESCRIPTION OF EACH SAMPLE AREA			Prints	a Frintile	OF	LS				
Homog Area	Sample (D	Location	Description	(+)	(-)	Asbestos Type	Assess	HAZ Assess			
2	33	EMS	case bose ma	1-12	X						
	23	Wealt Rr	2 4º	1/41	X						
80	24	ENS	tran terras		X						
	35	Monthall	CYE	1001	14						
	96	V			10			CV.			
09	25	1-Annory	DESTE KAIX		1	100	259	17			
	28	1) (back	Creen X		- 11					
	38		X	X							
10	30		viry mast.	6	X	100	250	14			
	31) LYe	Tion	×						
	35	V	×		X						
11	33	Bathroon	certile gro	V V	-						
	34	7		×							
	35	X	- X- X-	V				0			
12	36	Report 14	190 15 th +11	e	X	6=	0 59	8			
	37	7	The	1	K						
-	38		4		X						
13	39		tom slit	2	X						
	-10	1			×						
(WZ)	41	0.	4		-						
14	42	Kitcher	sink coa	1001	D						
(1) T (2) T (3) T (4) S (5) S	hermal System hermal System hermal System unfacing - Goo unfacing - Dan		Asbestos Pireanti (1) Amoste (2) Chrysoste (3) Crocidolis (4) Anthophylis (5) Tremoite (5) Actinolis		G = Goo D = Den S = Sign	D Assessment ad Condition naged afficiently Dan ow Potential	began				

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Project Name: Fire Station #3 Date: VALIA Location: 1701 OD Trolley Sammeralla									10
		DESCRIPTION O	OF EACH SAMPL	F-Section 1	47		SESSME MATERIA		
omag Araa	Sample ID	Location		Description	Prisable (+)	Friable (-)	Asbestos Type	CONO Alsess	HAZ Assess
4	43	Hitares	3	Kend	200	2			
	44	2		2		N			
PC	45	Bathon	13	+ come	x la				
	46	200	7	3	X				
5	40	Both I aux	00 rel	Ing til	e X				
	48	3		1)	X				
	43	V		1	1				
6	50	Bank top		DW ta	x 7				
	51) Utor	2))	X				
	52	4		× .	1 ~				
7	53	(dotter	ta	1 01 TO		X			
	K	XEZG.~		1		×			
	50	1 Bar	1	V		11			
8	56	Ext coul	5 0	audina	3	X			
	51	7		>		X			
	BE	4		4		X			
(1) Th (2) Th (3) Th (4) Si (5) Si	normal System normal System normal System urfacing - Gook urfacing - Dam		(1) Amo (2) Chry	solite idolite ophykla solite		G = Goo D = Den S = Sign	D Assessment of Condition raged inficantly Dan ow Potential	naged	