

Pre-Demolition Asbestos Survey Report

**Erwin Elementary School
301 South 10th Street
Erwin, North Carolina**

October 2, 2019
Terracon Project No. 70197439



Prepared for:
Harnett County Schools
Lillington, North Carolina

Prepared by:
Terracon Consultants, Inc.
Raleigh, North Carolina

terracon.com

Terracon

Environmental



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Geotechnical



Materials



October 2, 2019

Harnett County Schools
1008 South 11th Street
Lillington, North Carolina 27546

Attn: Brooks Matthews
Deputy Superintendent
P: (910) 893-8151
E: wmatthews@harnett.k12.nc.us

Re: Pre-Demolition Asbestos Survey
Erwin Elementary School
301 South 10th Street
Erwin, North Carolina 28339
Terracon Project No.: 70197439

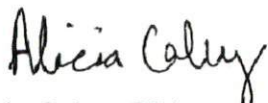
Dear Mr. Matthews:


The purpose of this report is to present the results of the asbestos survey performed between August 26, 2019 and August 30, 2019, at the above referenced property in Erwin, North Carolina. This survey was conducted in general accordance with Terracon Proposal No. P70197439, dated June 12, 2019. Terracon understands that this survey was requested due to the planned demolition of the structures on the property.

Asbestos was identified in samples of materials collected from each of the structures at the subject site. Please refer to the attached report for details.

Terracon appreciates the opportunity to provide this service for Harnett County Schools. If you have questions regarding this report, please contact the undersigned at (919) 873-2211.

Sincerely,
Terracon Consultants, Inc.


Alicia Coley, CIH
Project Industrial Hygienist


For: Russell Harrings, CIH
Authorized Project Reviewer

Terracon Consultants, Inc. 2401 Brentwood Road, Suite 107 Raleigh, NC 27604
P: (919) 873-2211 F: (919) 873-9555 terracon.com

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PRE-DEMOLITION ASBESTOS SURVEY REPORT

Erwin Elementary School

301 South 10th Street

Erwin, North Carolina

Terracon Project No. 70197439

October 2, 2019

1.0 INTRODUCTION

Terracon Consultants, Inc. (Terracon) conducted an asbestos survey of the vacant former school located at 301 South 10th Street in Erwin, North Carolina. The survey was conducted between August 26, 2019 and August 30, 2019, by state of North Carolina accredited asbestos inspectors in general accordance with Terracon Proposal No. P70197439. Interior and exterior building components were surveyed and homogeneous areas of suspect asbestos-containing materials (ACM) were visually identified and documented. Although reasonable effort was made to survey accessible suspect materials, additional suspect but unsampled materials could be located in walls, voids, or other concealed areas. Suspect ACM samples were collected in general accordance with the sampling protocols outlined in United States Environmental Protection Agency (USEPA) 40 Code of Federal Regulations (CFR) Part 763 Subpart E 763, known as the Asbestos Hazard Emergency Response Act (AHERA). Samples were delivered to an accredited laboratory for analysis by Polarized Light Microscopy (PLM).

The objective of the asbestos survey was to identify the presence and location of accessible friable and non-friable ACM present at the subject site. We understand this asbestos survey was requested due to the planned demolition of the structures on the property. EPA regulation 40 CFR 61, Subpart M, National Emission Standards for Hazardous Air Pollutants (NESHAP), prohibits the release of asbestos fibers to the atmosphere during renovation or demolition activities. The asbestos NESHAP requires that potentially regulated ACM (RACM) be identified, classified, and quantified prior to planned renovation or demolition activities.

2.0 BUILDING DESCRIPTION

The vacant former school consists of five separate structures. Terracon has included an overview of the property identifying the buildings in Appendix D. The site has been delineated by buildings as noted below:

Building 1

Building 1 (Main Building), constructed in 1926, is two floors above grade and consists of approximately 39,563 square feet. The interior walls consist of plaster, drywall, brick and concrete masonry unit (CMU) block. Exterior walls consist of brick masonry. The floors are finished with hardwood, ceramic tile, vinyl tile, carpet squares, or are unfinished concrete. The ceiling is

finished with ceiling tiles over plaster. The main roof consists of a rubber membrane over foam insulation on wood decking.

Gymnasium

The gymnasium, constructed in 1957, is one floor above grade and consists of approximately 13,087 square feet. The interior walls consist of ceramic tile and CMU. Exterior walls consist of brick masonry. The concrete floors are finished with ceramic tile, vinyl tile, and hardwood. The ceiling is finished with ceiling tiles and modified press boards. Roofing consists of a rubber membrane over foam insulation and lightweight concrete.

Building 3

Building 3 (Cafeteria), constructed in 1948, is one floor above grade and consists of approximately 7,300 square feet. The interior walls consist of ceramic tile and CMU. Exterior walls consist of brick masonry. The concrete floors are finished with ceramic tile, vinyl tile, or are unfinished. The ceiling is unfinished. Roofing consists of a rubber membrane over foam insulation on built up roofing, and asphalt shingles over felt paper.

Building 4

Building 4 (Media Center), constructed in 1951, is one floor above grade and consists of approximately 4,818 square feet. The interior walls consist of plaster, drywall, ceramic tile, and CMU. Exterior walls consist of brick masonry. The concrete floors are finished with ceramic tile, vinyl tile, and carpet. The ceiling is finished with textured plaster, drywall, and/or ceiling tiles. Roofing consists of a rubber membrane overtop foam insulation on black tar roofing.

Building 5

Building 5 (Class-Band Building), constructed in 1928, is one floor above grade with a basement and consists of approximately 9,379 square feet. The interior walls consist of plaster, drywall, ceramic tile, and brick masonry. Exterior walls consist of brick masonry. The concrete floors are finished with ceramic tile, vinyl floor tile, vinyl sheet flooring, and carpet. The ceiling is finished with drywall and suspended ceiling tiles. Roofing consists of asphalt shingles over felt paper on wood decking.

3.0 FIELD ACTIVITIES

The survey was conducted by state of North Carolina accredited asbestos inspectors Alicia Coley (Accreditation No. 12548) and Trey Turner (Accreditation No. 13155). A copy of Ms. Coley and Mr. Turner's asbestos inspector licenses are attached in Appendix F. The survey was conducted

in general accordance with the sample collection protocols established in USEPA 40 CFR Part 763 Subpart E 763.86, AHERA. A summary of survey activities is provided below.

3.1 Visual Assessment

Our survey activities began with a visual observation of the interior and exterior areas of the buildings to identify homogeneous areas of suspect ACM. A homogeneous area consists of building materials that appear similar throughout in terms of color, texture and date of application. The interior assessments were conducted throughout visually accessible areas of the buildings. The exterior survey included an assessment of the exterior walls and roof. Building materials identified as concrete, glass, wood, masonry, metal or rubber were not considered suspect ACM. Photographs are included as Appendix E.

Terracon lifted floor coverings in several areas, where possible, and did not observe additional flooring layers unless mentioned in this report; however, as Terracon could not assess beneath all floor covering in all areas, there may be isolated areas of additional suspect material present beneath existing flooring.

3.2 Physical Assessment

A physical assessment of each homogeneous area of suspect ACM was conducted to assess the friability and condition of the materials. A friable material is defined by the USEPA as a material which can be crumbled, pulverized or reduced to powder by hand pressure when dry. Friability was assessed by physically touching suspect materials.

3.3 Sample Collection

Based on results of the visual observation, bulk samples of suspect ACM were collected in general accordance with USEPA AHERA sampling protocols. Samples of suspect materials were collected from randomly selected locations in each homogeneous area. Samples were placed in sealable containers and labeled with unique sample numbers using an indelible marker. The selection of sample locations and frequency of sampling were based on Terracon's observations and the assumption that like materials in the same area are homogeneous in content.

Terracon collected 459 bulk samples of suspect ACM at the subject site. A summary of suspect ACM samples collected during the survey is included as Appendix A.

3.4 Sample Analysis

Bulk samples were submitted under chain of custody to EMSL Analytical, Inc. (EMSL) of Morrisville, North Carolina for analysis by Polarized Light Microscopy (PLM) with dispersion staining techniques per USEPA methodology EPA/600/R-93/116. The percentage of asbestos,

where applicable, was determined by microscopic visual estimation. EMSL is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP Accreditation Number 200671-0).

Commonly called “positive stop,” the laboratory was instructed to analyze samples from each homogeneous area until the first sample containing asbestos was identified. Subsequent samples within the same homogeneous area are not analyzed and assumed to contain asbestos in similar content.

Results from the PLM analysis of drywall joint compound were reported less than 1% to 3% asbestos. These samples were composited with the associated wallboard / drywall and additionally analyzed by point counting in an effort to obtain a quantitative result versus the estimated result by PLM. The point count analysis was performed by EPA 600/R-93/116 Method with gravimetric reduction and 400 point count. The point counting was also submitted for positive stop; therefore, once a result greater than 1% was reported, the remaining samples in the homogeneous set were not analyzed.

4.0 REGULATORY OVERVIEW

The following sections provide a general overview to the applicable asbestos regulations. Please refer to the complete current regulation in order to verify compliance before any actions are initiated on an ACM.

4.1 NESHAP

The asbestos NESHAP (40 CFR Part 61, Subpart M) regulates asbestos fiber emissions and asbestos waste disposal practices. It also requires the identification and classification of existing building materials prior to demolition or renovation activities. Under NESHAP, asbestos-containing building materials are classified as either friable, Category I non-friable or Category II non-friable ACM. Friable materials are those that, when dry, may be crumbled, pulverized or reduced to powder by hand pressure. Category I non-friable ACM includes packings, gaskets, resilient floor coverings and asphalt roofing products containing more than 1% asbestos. Category II non-friable ACM are any materials other than Category I materials that contain more than 1% asbestos.

Friable ACM, Category I and Category II non-friable ACM which is in poor condition and has become friable or which will be subjected to drilling, sanding, grinding, cutting or abrading and which could be crushed or pulverized during anticipated renovation or demolition activities are considered regulated ACM (RACM).

4.2 North Carolina State Regulations

In the state of North Carolina, asbestos activities are regulated by the North Carolina Department of Health and Human Services, Health Hazards Control Unit (HHCU) under 10A NCAC 41C Section

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.0600 – Asbestos Hazard Management Program (AHMP). The AHMP requires that any asbestos-related activity conducted in a public building be performed by personnel accredited by the HHCUC.

Asbestos abatement must be conducted under the direct supervision of a North Carolina accredited supervisor, except that permitted removals of roofing products may be conducted under the direct supervision of a North Carolina accredited roofing supervisor. An asbestos abatement design must be prepared by a North Carolina accredited abatement designer for each individually permitted removal of more than 3000 square feet (281 square meters), 1500 linear feet (462 meters) or 656 cubic feet (18 cubic meters), of regulated asbestos containing materials conducted in public areas. Third-party air monitoring must be conducted during the abatement activities in accordance with AHMP requirements.

AHMP requires that no person remove more than 35 cubic feet (1 cubic meter), 160 square feet (15 square meters), or 260 linear feet (80 linear meters) of regulated asbestos containing material, without a permit issued by the HHCUC. Applications must be postmarked or received by the HHCUC at least 10 working days prior to the scheduled removal start date.

4.3 OSHA

OSHA's general industry asbestos standard (29 CFR 1910.1001) requires employers to exercise due diligence in complying with the requirements to inform their employees and affected contractors working in the facility about the presence and location of both ACM and materials assumed to contain asbestos.

The OSHA Asbestos standard for construction (29 CFR 1926.1101) regulates workplace exposure to asbestos during construction and maintenance activities. The standard classifies construction and maintenance activities which could disturb ACM and specifies work practices and precautions which employers must follow when engaging in each class of regulated work. States which administer their own federally-approved state OSHA programs may require additional precautions.

The OSHA Asbestos standard for construction (29 CFR 1926.1101) regulates workplace exposure to asbestos. The OSHA standard requires that employee exposure to airborne asbestos fibers be maintained below 0.1 asbestos fibers per cubic centimeter of air (0.1 f/cc). The OSHA standard classifies construction and maintenance activities that could disturb ACM and specifies work practices and precautions that employers must follow when engaging in each class of regulated work. The standard also specifies requirements for handling materials containing asbestos in concentrations less than or equal to 1%.

A full copy of the OSHA asbestos standard for general and construction industry may be found at OSHA's website (www.osha.gov) and should be referenced for specific information.

5.0 FINDINGS

Please refer to Appendix B, listing identified ACM, classification, condition, and approximate quantity. Laboratory analytical data is included in Appendix C. It should be noted that if any one sample in a homogeneous sample set contains asbestos greater than 1%, the entire material, regardless if subsequent results within the same homogeneous area are less than 1%, must be considered an ACM. **Asbestos was identified** in concentrations greater than 1% in the following materials:

Building 1 – 2-Story Building

- Black Sink Mastic
- 9" x 9" Tan Floor Tile and Mastic
- 12" x 12" Tan with Brown Dots Floor Tile
- Mastic Associated with 12" x 12" Beige with Tan Splotches Floor Tile
- Black Roof Mastic – 2nd Floor Canopy
- Silver Paint on Canopy Roofs
- Black Roof Mastic at Brick – Parapet Walls
- Exterior Caulk – Doors and Windows
- Exterior Window Glazing

Gym Building

- White Exterior Door Caulk
- Beige Exterior Door Caulk
- White Exterior Window Glazing
- 9" x 9" Black with White Streaks Floor Tile and Mastic
- Mastic Associated with 12" x 12" Off-white with Brown Specks Floor Tile
- Mastic Associated with 12" x 12" Pink with White Specks Floor Tile
- Mastic Associated with 12" x 12" Light Gray with Gray and White Specks Floor Tile
- Interior Window Caulk

Building 3 – Cafeteria

- Silver Paint and Black Flashing
- Mastic Associated with 12" x 12" Tri-beige Floor Tile
- Textured Coating on CMU and Brick Walls – West Storage Room and Electrical Room
- Checkered 12" x 12" Beige with Brown Specks/Green Floor Tile and Mastic
- Window Glazing

Building 4 – Media Center

- Black Sink Mastic
- 9" x 9" Brown Floor Tile and Mastic

Building 5 – RAM Building

- Air Cell Pipe Insulation
- Hard TSI Joint Associated with Air-O-Cell Pipe Insulation
- Boiler Rope Gasket
- Interior Window Glazing
- 9" x 9" Gray Floor Tile and Mastic
- Tan Floor Tile and Mastic – 2nd Layer
- Mastic Associated with 12" x 12" Tri-blue Floor Tile
- Black Sink Mastic
- White Exterior Caulk

Asbestos was identified in samples of the following materials in concentrations **less than 1%**:

Building 1 – 2-Story Building

- Drywall and Joint Compound (Composite) – West Wing Hallway Walls over Plaster
- 12" x 12" Beige with Tan Splotches Floor Tile
- Drywall and Joint Compound (Composite) – Boiler Room

Gym Building

- 12" x 12" Off-white with Brown Specks Floor Tile
- 12" x 12" Pink with White Specks Floor Tile
- 12" x 12" Light Gray with Gray and White Specks Floor Tile

Building 3 - Cafeteria

- CMU Surface Filler

It should be noted that suspect materials, other than those identified during the August 2019 survey, may exist within the buildings. Should suspect materials other than those which were identified during this survey be uncovered prior to or during the abatement or renovation/demolition process, those materials should be assumed asbestos-containing until sampling and analysis can confirm or deny their asbestos content.

6.0 CONCLUSIONS / RECOMMENDATIONS

Materials Containing Greater Than 1% Asbestos

The identified ACM in Appendix B must be removed by a qualified asbestos abatement contractor prior to renovation or demolition activities, which may disturb these materials. The contractor must obtain a permit issued by the HHCU prior to removal. Applications must be postmarked or received by the HHCU at least 10 working days prior to the scheduled removal start date. Qualified asbestos abatement contractors should be contacted to obtain competitive bids for removal of the materials.

Additionally, a project design prepared by an accredited project designer and asbestos air monitoring is required during the removal of RACM. Terracon can provide design and asbestos air monitoring services and can prepare a proposal for these services to the client under a separate cover.

If non-friable materials are removed utilizing friable removal techniques or the materials will be subjected to sanding, cutting, grinding, or abrading during the abatement or demolition, these materials will be considered RACM. Floor tile must be considered an asbestos-contaminated material when associated with mastic that contains greater than 1% asbestos. These materials must be removed by a qualified asbestos abatement contractor and disposed of as asbestos waste.

Materials Containing Less Than 1% Asbestos

The point count results for the joint compound and drywall in Building 1 contain <1% asbestos. While the EPA and OSHA define asbestos-containing materials as materials with >1% asbestos content, OSHA regulates materials with <1% asbestos and requires specified work practice requirements and prohibitions regardless of exposure levels to employees, including (but not limited to):

- Use of wet methods, prompt cleanup and disposal in leak-proof containers;
- Use of compressed air or high-speed abrasive disc saws not equipped with point-of cut ventilators or HEPA-filtered enclosures are prohibited;
- The employee is required to document employee exposures via a “competent person” relative to published permissible exposure limits to ascertain expected exposures to asbestos during the work operation.

Terracon recommends removal of drywall and joint compound and CMU surface filler materials containing <1% asbestos prior to demolition. These materials should be removed generally whole and intact. It is recommended that disturbance / removal of these materials during demolition activities be performed by a licensed asbestos abatement contractor in accordance with applicable provisions for OSHA Class I or Class II work.

Because the EPA does not consider the materials to be ACM, the waste from these materials may be transported as construction and demolition (C & D) debris and disposed at a certified C & D landfill. Landfills should be contacted prior to transporting waste to determine if the waste will be accepted.

7.0 LIMITATIONS / GENERAL COMMENTS

This asbestos survey was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same

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locale. The results, findings, conclusions and recommendations expressed in this report are based on conditions observed during our survey of the buildings. The information contained in this report is relevant to the date on which this survey was performed and should not be relied upon to represent conditions at a later date. This report has been prepared on behalf of and exclusively for use by Harnett County Schools for specific application to their project as discussed.

This report is not a bidding document. Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary. Terracon does not warrant the work of regulatory agencies, laboratories or other third parties supplying information, which may have been used in the preparation of this report. No warranty, express or implied is made.

APPENDIX A

ASBESTOS SURVEY SAMPLE SUMMARY

Appendix A

ASBESTOS SURVEY SAMPLE SUMMARY
Erwin Elementary School - Building 1 (2-Story Building)
301 South 10th Street
 Erwin, North Carolina
 Terracon Project No. 70197439

HA	Sample Number	Description	Sample Location	Lab Results
1	1-1	Black Felt Paper under Hardwood Flooring	Room 110	None Detected
1	1-2	Black Felt Paper under Hardwood Flooring	Room 110	None Detected
1	1-3	Black Felt Paper under Hardwood Flooring	Room 110	None Detected
2	1-4	Drywall and Joint Compound	Hall at Room 110	Composite: <0.25% Chrysotile (EPA Point Count) Drywall: None Detected Joint Compound: 2% Chrysotile
2	1-5	Drywall and Joint Compound	Hall at Room 212	Composite: <0.25% Chrysotile (EPA Point Count) Drywall: None Detected Joint Compound: 2% Chrysotile
2	1-6	Drywall and Joint Compound	Hall at Room 211	Composite: <0.25% Chrysotile (EPA Point Count) Drywall: None Detected Joint Compound: 2% Chrysotile
2	1-7	Drywall and Joint Compound	Auditorium	Composite: None Detected
2	1-8	Drywall and Joint Compound	Auditorium	Composite: None Detected
3	1-9	Plaster with Drywall Lathe	Room 110	Skim Coat: None Detected Base Coat: None Detected Drywall: None Detected
3	1-10	Plaster with Drywall Lathe	Hall at Room 212	Skim Coat: None Detected Base Coat: None Detected Drywall: None Detected
3	1-11	Plaster with Drywall Lathe	Room 212	Skim Coat: None Detected Base Coat: None Detected Drywall: None Detected
3	1-12	Plaster with Drywall Lathe	Room 211	Skim Coat: None Detected Base Coat: None Detected
3	1-13	Plaster with Drywall Lathe	Room 213	Skim Coat: None Detected Base Coat: None Detected
3	1-14	Plaster with Drywall Lathe	Room 109	Skim Coat: None Detected Base Coat: None Detected Drywall: None Detected
3	1-15	Plaster with Drywall Lathe	Room 112	Skim Coat: None Detected Base Coat: None Detected Drywall: None Detected
4	1-16	Black Sink Mastic	Room 110	8% Chrysotile
4	1-17	Black Sink Mastic	Room 110	Positive Stop (Not Analyzed)
4	1-18	Black Sink Mastic	Room 110	Positive Stop (Not Analyzed)
5	1-19	Silver Paint on Radiators	Room 109	None Detected
5	1-20	Silver Paint on Radiators	Room 106	None Detected
5	1-21	Silver Paint on Radiators	Room 211	None Detected
6	1-22	Brittle Red Fire Caulk	Hall at Room 110	None Detected
6	1-23	Brittle Red Fire Caulk	Hall at Room 110	None Detected

Appendix A

ASBESTOS SURVEY SAMPLE SUMMARY
Erwin Elementary School - Building 1 (2-Story Building)
301 South 10th Street
 Erwin, North Carolina
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HA	Sample Number	Description	Sample Location	Lab Results
6	1-24	Brittle Red Fire Caulk	Hall at Room 110	None Detected
7	1-25	Dark Red Fire Caulk	Hall at Room 110	None Detected
7	1-26	Dark Red Fire Caulk	Room 209A	None Detected
7	1-27	Dark Red Fire Caulk	Room 209A	None Detected
8	1-28	Textured Plaster	Room 102	None Detected
8	1-29	Textured Plaster	1st Floor Hall at Auditorium	None Detected
8	1-30	Textured Plaster	Room 106	None Detected
8	1-31	Textured Plaster	Room 108	None Detected
8	1-32	Textured Plaster	Room 207	Skim Coat: None Detected Base Coat: None Detected
8	1-33	Textured Plaster	Upper Auditorium West Back Room	Skim Coat: None Detected Base Coat: None Detected
8	1-34	Textured Plaster	Hall at Room 203	Skim Coat: None Detected Base Coat: None Detected
9	1-35	Beige FRP Adhesive	1st Floor Boy's Restroom	None Detected
9	1-36	Beige FRP Adhesive	1st Floor Girl's Restroom	None Detected
9	1-37	Beige FRP Adhesive	1st Floor Boy's Restroom	None Detected
10	1-38	Black Waterproofing	1st Floor East Auditorium Dressing Room	None Detected
10	1-39	Black Waterproofing	1st Floor East Auditorium Dressing Room	None Detected
10	1-40	Black Waterproofing	1st Floor East Auditorium Dressing Room	None Detected
11	1-41	12" x 12" Tri-tan Floor Tile and Mastic	Office F	Floor Tile: None Detected Mastic: None Detected
11	1-42	12" x 12" Tri-tan Floor Tile and Mastic	Office F	Floor Tile: None Detected Mastic: None Detected
11	1-43	12" x 12" Tri-tan Floor Tile and Mastic	Office F	Floor Tile: None Detected Mastic: None Detected
12	1-44	12" x 12" Tri-light Gray Floor Tile and Mastic	Office F Restroom	Floor Tile: None Detected Mastic: None Detected
12	1-45	12" x 12" Tri-light Gray Floor Tile and Mastic	Office F Restroom	Floor Tile: None Detected Mastic: None Detected
12	1-46	12" x 12" Tri-light Gray Floor Tile and Mastic	Office F Restroom	Floor Tile: None Detected Mastic: None Detected
13	1-47	4" Black Cove Base and Mastic	Office F Restroom	Cove Base: None Detected Mastic: None Detected
13	1-48	4" Black Cove Base and Mastic	Office F Restroom	Cove Base: None Detected Mastic: None Detected
13	1-49	4" Black Cove Base and Mastic	Office F Restroom	Cove Base: None Detected Mastic: None Detected
14	1-50	9" x 9" Tan Floor Tile and Mastic	Hall at Office F	Floor Tile: 5% Chrysotile Mastic (Black): 8% Chrysotile Mastic (Clear): None Detected Leveler: None Detected

Appendix A

ASBESTOS SURVEY SAMPLE SUMMARY
Erwin Elementary School - Building 1 (2-Story Building)
301 South 10th Street
 Erwin, North Carolina
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HA	Sample Number	Description	Sample Location	Lab Results
14	1-51	9" x 9" Tan Floor Tile and Mastic	Office C	Floor Tile: Positive Stop (Not Analyzed) Mastic (Black): Positive Stop (Not Analyzed) Mastic (Clear): None Detected
14	1-52	9" x 9" Tan Floor Tile and Mastic	Office E	Floor Tile: Positive Stop (Not Analyzed) Mastic (Black): Positive Stop (Not Analyzed) Mastic (Clear): None Detected
15	1-53	4" Blue Cove Base and Mastic	Office A	Cove Base: None Detected Mastic: None Detected
15	1-54	4" Blue Cove Base and Mastic	Reception	Cove Base: None Detected Mastic: None Detected
15	1-55	4" Blue Cove Base and Mastic	Reception	Cove Base: None Detected Mastic: None Detected
16	1-56	Gray Leveling Compound	Office Hall	None Detected
16	1-57	Gray Leveling Compound	Office C	None Detected
16	1-58	Gray Leveling Compound	Office F	None Detected
17	1-59	12" x 12" Tan with Brown Dots Floor Tile and Mastic	Office A	Floor Tile: 3% Chrysotile Mastic (Black): None Detected Mastic (Tan): None Detected
17	1-60	12" x 12" Tan with Brown Dots Floor Tile and Mastic	Office A	Floor Tile: Positive Stop (Not Analyzed) Mastic (Black): None Detected Mastic (Tan): None Detected
17	1-61	12" x 12" Tan with Brown Dots Floor Tile and Mastic	Office A	Floor Tile: Positive Stop (Not Analyzed) Mastic (Black): None Detected Mastic (Tan): None Detected
18	1-62	12" x 12" Beige with Tan Splotches Floor Tile and Mastic	East Office	Floor Tile: <1% Chrysotile Mastic (Black): 8% Chrysotile Mastic (Tan): None Detected
18	1-63	12" x 12" Beige with Tan Splotches Floor Tile and Mastic	East Office	Floor Tile: <1% Chrysotile Mastic (Black): Positive Stop (Not Analyzed) Mastic (Tan): None Detected
18	1-64	12" x 12" Beige with Tan Splotches Floor Tile and Mastic	Work Room	Floor Tile: <1% Chrysotile Mastic (Black): Positive Stop (Not Analyzed) Mastic (Tan): None Detected
19	1-65	2' x 2' Ceiling Tile with Dots and Fissures	Hall at Room 212	None Detected
19	1-66	2' x 2' Ceiling Tile with Dots and Fissures	Hall at Room 211	None Detected
19	1-67	2' x 2' Ceiling Tile with Dots and Fissures	Hall at Room 208	None Detected
20	1-68	12" x 12" Beige with Tan and White Splotches Floor Tile and Mastic	Hall at Room 209A	Floor Tile: None Detected Mastic: None Detected
20	1-69	12" x 12" Beige with Tan and White Splotches Floor Tile and Mastic	Hall at Room 209A	Floor Tile: None Detected Mastic: None Detected
20	1-70	12" x 12" Beige with Tan and White Splotches Floor Tile and Mastic	Hall at Room 209A	Floor Tile: None Detected Mastic: None Detected

Appendix A

ASBESTOS SURVEY SAMPLE SUMMARY
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HA	Sample Number	Description	Sample Location	Lab Results
21	1-71	Ceramic Tile Grout and Mortar	2nd Floor Boy's Restroom	Ceramic Tile: None Detected Grout: None Detected Mortar: None Detected
21	1-72	Ceramic Tile Grout and Mortar	2nd Floor Boy's Restroom	Ceramic Tile: None Detected Grout: None Detected Mortar: None Detected
21	1-73	Ceramic Tile Grout and Mortar	2nd Floor Boy's Restroom	Ceramic Tile: None Detected Grout: None Detected Mortar: None Detected
22	1-74	Gray/Black Asphalt Shingles and Felt Paper	West Canopy	Shingle: None Detected Felt Paper: None Detected
22	1-75	Gray/Black Asphalt Shingles and Felt Paper	West Canopy	Shingle: None Detected Felt Paper: None Detected
22	1-76	Gray/Black Asphalt Shingles and Felt Paper	West Canopy	Shingle: None Detected Felt Paper: None Detected
23	1-77	Plaster - Boiler Room	Boiler Room	None Detected
23	1-78	Plaster - Boiler Room	Boiler Room	None Detected
23	1-79	Plaster - Boiler Room	Boiler Room	Skim Coat: None Detected Base Coat: None Detected
24	1-80	Drywall and Joint Compound - Boiler Room	Boiler Room	Composite: <0.25% Chrysotile (EPA Point Count) Drywall: None Detected Joint Compound: 2% Chrysotile
24	1-81	Drywall and Joint Compound - Boiler Room	Boiler Room	Composite: <0.25% Chrysotile (EPA Point Count) Drywall: None Detected Joint Compound: 2% Chrysotile
24	1-82	Drywall and Joint Compound - Boiler Room	Boiler Room	Composite: <0.25% Chrysotile (EPA Point Count) Drywall: None Detected Joint Compound: 2% Chrysotile
25	1-83	Hard TSI Elbow	Boiler Room	Wrap: None Detected TSI: None Detected
25	1-84	Hard TSI Elbow	Boiler Room	Wrap: None Detected TSI: None Detected
25	1-85	Hard TSI Elbow	Boiler Room	None Detected
26	1-86	Red Exterior Door Caulk	West Double Door	None Detected
26	1-87	Red Exterior Door Caulk	West Double Door	None Detected
26	1-88	Red Exterior Door Caulk	West Double Door	None Detected
27	1-89	Black and Gray Roof Mastic	South 2nd Floor Canopy Roof	Mastic (Black): 5% Chrysotile Mastic (Gray): None Detected
27	1-90	Black and Gray Roof Mastic	South 2nd Floor Canopy Roof	Mastic (Black): Positive Stop (Not Analyzed) Mastic (Gray): None Detected
27	1-91	Black and Gray Roof Mastic	South 2nd Floor Canopy Roof	Mastic (Black): Positive Stop (Not Analyzed) Mastic (Gray): None Detected

Appendix A

ASBESTOS SURVEY SAMPLE SUMMARY
Erwin Elementary School - Building 1 (2-Story Building)
301 South 10th Street
 Erwin, North Carolina
 Terracon Project No. 70197439

HA	Sample Number	Description	Sample Location	Lab Results
28	1-92	Silver Paint	2nd Floor Canopy Roof	3% Chrysotile
28	1-93	Silver Paint	2nd Floor Canopy Roof	Positive Stop (Not Analyzed)
28	1-94	Silver Paint	2nd Floor Canopy Roof	Positive Stop (Not Analyzed)
29	1-95	White Roof Caulk	Main Roof South	None Detected
29	1-96	White Roof Caulk	Main Roof South	None Detected
29	1-97	White Roof Caulk	Main Roof South	None Detected
30	1-98	Black Roof Caulk	Main Roof South	None Detected
30	1-99	Black Roof Caulk	Main Roof South	None Detected
30	1-100	Black Roof Caulk	Main Roof South	None Detected
31	1-101	Black Roof Mastic on Brick	Main Roof North/South Parapet Wall	10% Chrysotile
31	1-102	Black Roof Mastic on Brick	Main Roof North/South Parapet Wall	Positive Stop (Not Analyzed)
31	1-103	Black Roof Mastic on Brick	Main Roof North/South Parapet Wall	Positive Stop (Not Analyzed)
32	1-104	Built-up Roofing on Canopy	2nd Floor Canopy Roof	None Detected
32	1-105	Built-up Roofing on Canopy	2nd Floor Canopy Roof	None Detected
32	1-106	Built-up Roofing on Canopy	2nd Floor Canopy Roof	None Detected
33	1-107	Exterior Caulk	Southwest Door	2% Chrysotile
33	1-108	Exterior Caulk	South Window at South Door	Positive Stop (Not Analyzed)
33	1-109	Exterior Caulk	Southwest Window	Positive Stop (Not Analyzed)
34	1-110	Exterior Window Glazing	Southwest Window	2% Chrysotile
34	1-111	Exterior Window Glazing	South Window at South Door	Positive Stop (Not Analyzed)
34	1-112	Exterior Window Glazing	Northwest Window	Positive Stop (Not Analyzed)

*Highlighted and bolded samples indicate materials with >1% asbestos.

*Bolded samples indicate materials with <1% asbestos.

Appendix A

ASBESTOS SURVEY SAMPLE SUMMARY

Erwin Elementary School - Gym Building

301 South 10th Street

Erwin, North Carolina

Terracon Project No. 70197439

HA	Sample Number	Description	Sample Location	Lab Results
1	Gym-1	White Roof Caulk at Brick	West Roof	None Detected
1	Gym-2	White Roof Caulk at Brick	West Roof	None Detected
1	Gym-3	White Roof Caulk at Brick	West Roof	None Detected
2	Gym-4	White Roof Caulk at Penetrations	West Roof	None Detected
2	Gym-5	White Roof Caulk at Penetrations	West Roof	None Detected
2	Gym-6	White Roof Caulk at Penetrations	West Roof	None Detected
3	Gym-7	Gray Wrap on Roof-Mounted HVAC Unit	East Roof	None Detected
3	Gym-8	Gray Wrap on Roof-Mounted HVAC Unit	East Roof	None Detected
3	Gym-9	Gray Wrap on Roof-Mounted HVAC Unit	East Roof	None Detected
4	Gym-10	Lightweight Concrete	East Roof Deck	None Detected
4	Gym-11	Lightweight Concrete	East Roof Deck	None Detected
4	Gym-12	Lightweight Concrete	Gym Roof Deck	None Detected
5	Gym-13	White Caulk at Lightning Rod Mount	East Roof at Chimney	None Detected
5	Gym-14	White Caulk at Lightning Rod Mount	East Roof at Chimney	None Detected
5	Gym-15	White Caulk at Lightning Rod Mount	East Roof at Chimney	None Detected
6	Gym-16	Black Roof Caulk	Southwest Roof	None Detected
6	Gym-17	Black Roof Caulk	Southwest Roof	None Detected
6	Gym-18	Black Roof Caulk	Southwest Roof	None Detected
7	Gym-19	Textured Exterior Soffit	East Roof - North at Canopy	Skim Coat: None Detected Base Coat: None Detected
7	Gym-20	Textured Exterior Soffit	East at Lawnmower Storage Room	Skim Coat: None Detected Base Coat: None Detected
7	Gym-21	Textured Exterior Soffit	East at Boiler Room	Skim Coat: None Detected Base Coat: None Detected
8	Gym-22	Textured Ceiling Plaster	Northeast Storage Room	None Detected
8	Gym-23	Textured Ceiling Plaster	Northeast Storage Room	None Detected
8	Gym-24	Textured Ceiling Plaster	Lawnmower Storage Room	None Detected
8	Gym-25	Textured Ceiling Plaster	Lawnmower Storage Room	None Detected
8	Gym-22A	Textured Ceiling Plaster	Boiler Room	None Detected
9	Gym-26	White Exterior Door Caulk	Northeast Door	None Detected
9	Gym-27	White Exterior Door Caulk	South Door to Gym	2% Chrysotile
9	Gym-28	White Exterior Door Caulk	Northeast Door to Storage Room	Positive Stop (Not Analyzed)
10	Gym-29	Beige Exterior Door Caulk	Roll-up Door	3% Chrysotile
10	Gym-30	Beige Exterior Door Caulk	Roll-up Door	Positive Stop (Not Analyzed)
10	Gym-31	Beige Exterior Door Caulk	North Door	Positive Stop (Not Analyzed)

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ASBESTOS SURVEY SAMPLE SUMMARY

Erwin Elementary School - Gym Building

301 South 10th Street

Erwin, North Carolina

Terracon Project No. 70197439

HA	Sample Number	Description	Sample Location	Lab Results
11	Gym-32	White Exterior Window Glazing	Southeast Window	2% Chrysotile
11	Gym-33	White Exterior Window Glazing	Southeast Window	Positive Stop (Not Analyzed)
11	Gym-34	White Exterior Window Glazing	East Window	Positive Stop (Not Analyzed)
12	Gym-35	Built-up Roofing under Black Membrane	Southwest Roof	Roofing 1: None Detected Roofing 2: None Detected Membrane: None Detected
12	Gym-36	Built-up Roofing under Black Membrane	Southwest Roof	Roofing 1: None Detected Roofing 2: None Detected Membrane: None Detected
12	Gym-37	Built-up Roofing under Black Membrane	Southwest Roof	Roofing 1: None Detected Roofing 2: None Detected Membrane: None Detected
13	Gym-38	9" x 9" Black with White Streaks Floor Tile and Mastic	Lobby	Floor Tile: 3% Chrysotile Mastic: 5% Chrysotile
13	Gym-39	9" x 9" Black with White Streaks Floor Tile and Mastic	Lobby	Positive Stop (Not Analyzed)
13	Gym-40	9" x 9" Black with White Streaks Floor Tile and Mastic	Lobby	Positive Stop (Not Analyzed)
14	Gym-41	12" x 12" Off-white with Brown and White Specks Floor Tile and Mastic	South Entry	Floor Tile: <1% Chrysotile Mastic: 5% Chrysotile
14	Gym-42	12" x 12" Off-white with Brown and White Specks Floor Tile and Mastic	South Entry	Floor Tile: <1% Chrysotile Mastic: Positive Stop (Not Analyzed)
14	Gym-43	12" x 12" Off-white with Brown and White Specks Floor Tile and Mastic	South Entry	Floor Tile: <1% Chrysotile Mastic: Positive Stop (Not Analyzed)
15	Gym-44	Ceramic Floor Tile Grout and Mortar	Boy's Restroom	Grout: None Detected Mortar: None Detected
15	Gym-45	Ceramic Floor Tile Grout and Mortar	Boy's Restroom	Grout: None Detected Mortar: None Detected
15	Gym-46	Ceramic Floor Tile Grout and Mortar	Boy's Restroom	Grout: None Detected Mortar: None Detected Ceramic Tile: None Detected
16	Gym-47	Ceramic Wall Tile Grout and Mortar	Girl's Restroom	Grout: None Detected Mortar: None Detected
16	Gym-48	Ceramic Wall Tile Grout and Mortar	Girl's Restroom	Grout: None Detected Mortar: None Detected
16	Gym-49	Ceramic Wall Tile Grout and Mortar	Girl's Restroom	Grout: None Detected Mortar: None Detected
17	Gym-50	2' x 2' White Ceiling Tile with Dots	Girl's Restroom	None Detected
17	Gym-51	2' x 2' White Ceiling Tile with Dots	Girl's Restroom	None Detected
17	Gym-52	2' x 2' White Ceiling Tile with Dots	Boy's Restroom	None Detected
18	Gym-53	12" x 12" Pink with White Specks Floor Tile and Mastic	South Entry	Floor Tile: <1% Chrysotile Mastic: 3% Chrysotile
18	Gym-54	12" x 12" Pink with White Specks Floor Tile and Mastic	South Entry	Floor Tile: <1% Chrysotile Mastic: Positive Stop (Not Analyzed)
18	Gym-55	12" x 12" Pink with White Specks Floor Tile and Mastic	South Entry	Floor Tile: <1% Chrysotile Mastic: Positive Stop (Not Analyzed)

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ASBESTOS SURVEY SAMPLE SUMMARY

Erwin Elementary School - Gym Building

301 South 10th Street

Erwin, North Carolina

Terracon Project No. 70197439

HA	Sample Number	Description	Sample Location	Lab Results
19	Gym-56	CMU Block Filler	Girl's Restroom	None Detected
19	Gym-57	CMU Block Filler	Lobby	None Detected
19	Gym-58	CMU Block Filler	Gym North Wall	None Detected
19	Gym-59	CMU Block Filler	Gym South Wall	None Detected
19	Gym-60	CMU Block Filler	Gym West Wall	None Detected
19	Gym-61	CMU Block Filler	South Entry	None Detected
19	Gym-62	CMU Block Filler	Boy's Locker Room (Room 606)	None Detected
20	Gym-63	12" x 12" Light Gray with Gray and White Specks Floor Tile and Mastic	North Lobby	Floor Tile: <1% Chrysotile Mastic: 3% Chrysotile
20	Gym-64	12" x 12" Light Gray with Gray and White Specks Floor Tile and Mastic	At Girl's Locker Room	Floor Tile: <1% Chrysotile Mastic: Positive Stop (Not Analyzed)
20	Gym-65	12" x 12" Light Gray with Gray and White Specks Floor Tile and Mastic	At Boy's Locker Room	Floor Tile: <1% Chrysotile Mastic: Positive Stop (Not Analyzed)
21	Gym-66	Black Felt Paper under Hardwood Flooring	Gym	None Detected
21	Gym-67	Black Felt Paper under Hardwood Flooring	Gym	None Detected
21	Gym-68	Black Felt Paper under Hardwood Flooring	Gym	None Detected
22	Gym-69	2' x 2' White Drywall Ceiling Tile	Boy's Locker Room (Room 606)	None Detected
22	Gym-70	2' x 2' White Drywall Ceiling Tile	Boy's Locker Room (Room 606)	None Detected
22	Gym-71	2' x 2' White Drywall Ceiling Tile	Boy's Locker Room (Room 606)	None Detected
23	Gym-72	Beige FRP Adhesive	Gym South Wall	None Detected
23	Gym-73	Beige FRP Adhesive	Gym South Wall	None Detected
23	Gym-74	Beige FRP Adhesive	Gym South Wall	None Detected
24	Gym-75	Interior Window Caulk	Gym North Wall	5% Chrysotile
24	Gym-76	Interior Window Caulk	Gym North Wall	Positive Stop (Not Analyzed)
24	Gym-77	Interior Window Caulk	Gym North Wall	Positive Stop (Not Analyzed)
25	Gym-78	Hard TSI Elbow with Canvas Wrap	Gym at West Wall	TSI: None Detected Wrap: None Detected
25	Gym-79	Hard TSI Elbow with Canvas Wrap	Gym Northeast	TSI: None Detected Wrap: None Detected
25	Gym-80	Hard TSI Elbow with Canvas Wrap	At Girl's Locker Room	TSI: None Detected Wrap: None Detected
26	Gym-81	White Coating over Silver Paint over Built-up Roofing	Gym Roof North	Coating: None Detected Paint: None Detected Roofing: None Detected
26	Gym-82	White Coating over Silver Paint over Built-up Roofing	Gym Roof Northwest	Coating: None Detected Paint: None Detected Roofing: None Detected
26	Gym-83	White Coating over Silver Paint over Built-up Roofing	Gym Roof Northwest	Coating: None Detected Paint: None Detected Roofing: None Detected

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ASBESTOS SURVEY SAMPLE SUMMARY

Erwin Elementary School - Gym Building

301 South 10th Street

Erwin, North Carolina

Terracon Project No. 70197439

HA	Sample Number	Description	Sample Location	Lab Results
27	Gym-84	Black Roof Mastic	Gym Roof North	None Detected
27	Gym-85	Black Roof Mastic	Gym Roof Northwest	None Detected
27	Gym-86	Black Roof Mastic	Gym Roof Northwest	None Detected

*Highlighted and bolded samples indicate materials with >1% asbestos.

*Bolded samples indicate materials with <1% asbestos.

Appendix A

ASBESTOS SURVEY SAMPLE SUMMARY
Erwin Elementary School - Building 3 (Cafeteria)
 301 South 10th Street
 Erwin, North Carolina
 Terracon Project No. 70197439

HA	Sample Number	Description	Sample Location	Lab Results
1	3-1	White Caulk at Gutters	East Roof	None Detected
1	3-2	White Caulk at Gutters	East Roof	None Detected
1	3-3	White Caulk at Gutters	East Roof	None Detected
2	3-4	White Caulk at Roof Penetrations	East Roof	None Detected
2	3-5	White Caulk at Roof Penetrations	East Roof	None Detected
2	3-6	White Caulk at Roof Penetrations	East Roof	None Detected
3	3-7	Black Shingles and Felt Paper	East	Shingle: None Detected Felt Paper: None Detected
3	3-8	Black Shingles and Felt Paper	East	Shingle: None Detected Felt Paper: None Detected
3	3-9	Black Shingles and Felt Paper	West	Shingle: None Detected Felt Paper: None Detected
4	3-10	Black Roof Mastic	East Roof West Penetration	None Detected
4	3-11	Black Roof Mastic	East Roof West Penetration	None Detected
4	3-12	Black Roof Mastic	East Roof West Penetration	None Detected
5	3-13	Black Roof Caulk	West Roof at Brick Wall	None Detected
5	3-14	Black Roof Caulk	West Roof at Brick Wall	None Detected
5	3-15	Black Roof Caulk	West Roof at Brick Wall	None Detected
6	3-16	White Mastic on EPDM over Built-up Roofing	West Roof	Mastic: None Detected EPDM: None Detected Roofing: None Detected
6	3-17	White Mastic on EPDM over Built-up Roofing	West Roof	Mastic: None Detected EPDM: None Detected Roofing: None Detected
6	3-18	White Mastic on EPDM over Built-up Roofing	West Roof	Mastic: None Detected EPDM: None Detected Roofing: None Detected
7	3-19	Silver Paint and Black Flashing	West Roof	2% Chrysotile (Inseparable Paint and Flashing)
7	3-20	Silver Paint and Black Flashing	West Roof	Positive Stop (Not Analyzed)
7	3-21	Silver Paint and Black Flashing	West Roof	Positive Stop (Not Analyzed)
8	3-22	2' x 2' White Ceiling Tile with Dots and Pits	Cafeteria	None Detected
8	3-23	2' x 2' White Ceiling Tile with Dots and Pits	Cafeteria	None Detected
8	3-24	2' x 2' White Ceiling Tile with Dots and Pits	Cafeteria	None Detected
9	3-25	4" Black Cove Base and Mastic	Cafeteria	Cove Base: None Detected Mastic: None Detected
9	3-26	4" Black Cove Base and Mastic	Cafeteria	Cove Base: None Detected Mastic: None Detected
9	3-27	4" Black Cove Base and Mastic	Dry Storage	Cove Base: None Detected Mastic: None Detected
10	3-28	6" Black Cove Base and Mastic	Cafeteria	Cove Base: None Detected Mastic: None Detected
10	3-29	6" Black Cove Base and Mastic	Cafeteria	Cove Base: None Detected Mastic: None Detected
10	3-30	6" Black Cove Base and Mastic	Cafeteria	Cove Base: None Detected Mastic: None Detected

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ASBESTOS SURVEY SAMPLE SUMMARY
Erwin Elementary School - Building 3 (Cafeteria)
 301 South 10th Street
 Erwin, North Carolina
 Terracon Project No. 70197439

HA	Sample Number	Description	Sample Location	Lab Results
11	3-31	Plaster	Girl's Restroom	Skim Coat: None Detected Base Coat: None Detected
11	3-32	Plaster	Lounge	Skim Coat: None Detected Base Coat: None Detected
11	3-33	Plaster	Lounge	Skim Coat: None Detected Base Coat: None Detected
11	3-34	Plaster	Boy's Restroom	Skim Coat: None Detected Base Coat: None Detected
11	3-35	Plaster	Serving Area	Skim Coat: None Detected Base Coat: None Detected
12	3-36	6" Brown Cove Base and Mastic	Cafeteria	Cove Base: None Detected Mastic: None Detected
12	3-37	6" Brown Cove Base and Mastic	Cafeteria	Cove Base: None Detected Mastic: None Detected
12	3-38	6" Brown Cove Base and Mastic	Cafeteria	Cove Base: None Detected Mastic: None Detected
13	3-40	12" x 12" Tri-beige Floor Tile and Mastic	Lounge	Floor Tile: None Detected Mastic: 5% Chrysotile
13	3-41	12" x 12" Tri-beige Floor Tile and Mastic	Lounge	Floor Tile: None Detected Mastic: Positive Stop (Not Analyzed)
13	3-42	12" x 12" Tri-beige Floor Tile and Mastic	Lounge	Floor Tile: None Detected Mastic: Positive Stop (Not Analyzed)
14	3-43	Textured Coating on CMU and Brick Walls	Electrical Room	None Detected
14	3-44	Textured Coating on CMU and Brick Walls	Electrical Room	None Detected
14	3-45	Textured Coating on CMU and Brick Walls	Storage Room	3% Chrysotile (Sample Not Homogeneous)
14	3-46	Textured Coating on CMU and Brick Walls	Storage Room	None Detected
14	3-47	Textured Coating on CMU and Brick Walls	Storage Room	None Detected
15	3-48	Checkered 12" x 12" Beige with Brown Specks/Green Floor Tile and Mastic	Storage Room	Floor Tile 1: 2% Chrysotile Mastic 1: 5% Chrysotile Floor Tile 2: 2% Chrysotile Mastic 2: 5% Chrysotile
15	3-49	Checkered 12" x 12" Beige with Brown Specks/Green Floor Tile and Mastic	Storage Room	Positive Stop (Not Analyzed)
15	3-50	Checkered 12" x 12" Beige with Brown Specks/Green Floor Tile and Mastic	Storage Room	Positive Stop (Not Analyzed)
16	3-51	Black Mastic on Foil-backed Paper over Fiberglass Pipe Insulation	Electrical Room	None Detected
16	3-52	Black Mastic on Foil-backed Paper over Fiberglass Pipe Insulation	Electrical Room	None Detected
16	3-53	Black Mastic on Foil-backed Paper over Fiberglass Pipe Insulation	Electrical Room	None Detected
17	3-54	Red Brittle Fire Caulk	Electrical Room	None Detected
17	3-55	Red Brittle Fire Caulk	Electrical Room	None Detected

Appendix A

ASBESTOS SURVEY SAMPLE SUMMARY Erwin Elementary School - Building 3 (Cafeteria) 301 South 10th Street Erwin, North Carolina Terracon Project No. 70197439

HA	Sample Number	Description	Sample Location	Lab Results
17	3-56	Red Brittle Fire Caulk	Electrical Room	None Detected
18	3-57	Dark Red Fire Caulk	Electrical Room	None Detected
18	3-58	Dark Red Fire Caulk	Electrical Room	None Detected
18	3-59	Dark Red Fire Caulk	Electrical Room	None Detected
19	3-60	Beige FRP Adhesive	Cafeteria	None Detected
19	3-61	Beige FRP Adhesive	Cafeteria	None Detected
19	3-62	Beige FRP Adhesive	Cafeteria	None Detected
20	3-63	2' x 4' White Ceiling Tile with Dots and Fissures	Chemical Storage	None Detected
20	3-64	2' x 4' White Ceiling Tile with Dots and Fissures	Chemical Storage	None Detected
20	3-65	2' x 4' White Ceiling Tile with Dots and Fissures	Chemical Storage	None Detected
21	3-66	Tan Glue behind Plastic Panel	Kitchen	None Detected
21	3-67	Tan Glue behind Plastic Panel	Kitchen	None Detected
21	3-68	Tan Glue behind Plastic Panel	Kitchen	None Detected
22	3-69	Green Ceramic Wall Tile Grout and Mortar	Boy's Restroom	Grout: None Detected Mortar: None Detected
22	3-70	Green Ceramic Wall Tile Grout and Mortar	Boy's Restroom	Grout: None Detected Mortar: None Detected
22	3-71	Green Ceramic Wall Tile Grout and Mortar	Boy's Restroom	Grout: None Detected Mortar: None Detected
23	3-72	Brown Ceramic Wall Tile Grout and Mortar	Boy's Restroom	Grout: None Detected Mortar: None Detected
23	3-73	Brown Ceramic Wall Tile Grout and Mortar	Boy's Restroom	Grout: None Detected Mortar: None Detected
23	3-74	Brown Ceramic Wall Tile Grout and Mortar	Boy's Restroom	Grout: None Detected Mortar: None Detected
24	3-75	Ceramic Floor Tile Grout and Mortar	Girl's Restroom	Grout: None Detected Mortar: None Detected
24	3-76	Ceramic Floor Tile Grout and Mortar	Girl's Restroom	Grout: None Detected Mortar: None Detected
24	3-77	Ceramic Floor Tile Grout and Mortar	Girl's Restroom	Grout: None Detected Mortar: None Detected
25	3-78	CMU Block Filler	Chemical Storage	<1% Chrysotile
25	3-79	CMU Block Filler	Office	None Detected
25	3-80	CMU Block Filler	Dry Storage	None Detected
25	3-81	CMU Block Filler	Wall Separating Kitchen and Dining	None Detected
25	3-82	CMU Block Filler	Wall Separating Kitchen and Dining	None Detected
26	3-83	12" x 12" Off-white with Brown Specks Floor Tile and Mastic	By Staff Restroom	Floor Tile: None Detected Mastic: None Detected
26	3-84	12" x 12" Off-white with Brown Specks Floor Tile and Mastic	Back Entry	Floor Tile: None Detected Mastic: None Detected Leveler: None Detected
26	3-85	12" x 12" Off-white with Brown Specks Floor Tile and Mastic	Dry Storage	Floor Tile: None Detected Mastic: None Detected
27	3-86	Exterior Window Caulk at Brick	South	None Detected

Appendix A

ASBESTOS SURVEY SAMPLE SUMMARY
Erwin Elementary School - Building 3 (Cafeteria)
 301 South 10th Street
 Erwin, North Carolina
 Terracon Project No. 70197439

HA	Sample Number	Description	Sample Location	Lab Results
27	3-87	Exterior Window Caulk at Brick	Northwest	None Detected
27	3-88	Exterior Window Caulk at Brick	Northeast	None Detected
28	3-89	Exterior Window Glazing	Northeast	2% Chrysotile
28	3-90	Exterior Window Glazing	Southeast	Positive Stop (Not Analyzed)
28	3-91	Exterior Window Glazing	East	Positive Stop (Not Analyzed)
29	3-92	Interior Window Glazing	Cafeteria South	2% Chrysotile
29	3-93	Interior Window Glazing	Cafeteria Southeast	Positive Stop (Not Analyzed)
29	3-94	Interior Window Glazing	Cafeteria Northwest	Positive Stop (Not Analyzed)
30	3-95	White with Gray Interior Window Glazing	Serving Area North	2% Chrysotile
30	3-96	White with Gray Interior Window Glazing	Serving Area North	Positive Stop (Not Analyzed)
30	3-97	White with Gray Interior Window Glazing	Serving Area North	Positive Stop (Not Analyzed)

*Highlighted and bolded samples indicate materials with >1% asbestos.

*Bolded samples indicate materials with <1% asbestos.

Appendix A

ASBESTOS SURVEY SAMPLE SUMMARY
Erwin Elementary School - Building 4 (Media Center)
 301 South 10th Street
 Erwin, North Carolina
 Terracon Project No. 70197439

HA	Sample Number	Description	Sample Location	Lab Results
1	4-1	White Roof Caulk	Roof Penetration	None Detected
1	4-2	White Roof Caulk	Roof Fan	None Detected
1	4-3	White Roof Caulk	Chimney	None Detected
2	4-4	Black Tar Under Roof Membrane and Foam Insulation	Roof	Tar: None Detected Insulation: None Detected
2	4-5	Black Tar Under Roof Membrane and Foam Insulation	Roof	Tar: None Detected Insulation: None Detected
2	4-6	Black Tar Under Roof Membrane and Foam Insulation	Roof	Tar: None Detected Insulation: None Detected
3	4-7	Black Mastic on Brick at Chimney	Chimney	None Detected
3	4-8	Black Mastic on Brick at Chimney	Chimney	None Detected
3	4-9	Black Mastic on Brick at Chimney	Chimney	None Detected
4	4-10	12" x 12" White with Blue and Green Specks Floor Tile and Mastic	Library	Tile: None Detected Mastic: None Detected
4	4-11	12" x 12" White with Blue and Green Specks Floor Tile and Mastic	Restroom Lobby	Tile: None Detected Mastic: None Detected
4	4-12	12" x 12" White with Blue and Green Specks Floor Tile and Mastic	Office	Tile: None Detected Mastic: None Detected
5	4-13	Ceramic Floor Tile Grout and Mortar	Boy's Restroom	Grout: None Detected Mortar: None Detected
5	4-14	Ceramic Floor Tile Grout and Mortar	Boy's Restroom	Grout: None Detected Mortar: None Detected
5	4-15	Ceramic Floor Tile Grout and Mortar	Girl's Restroom	Grout: None Detected Mortar: None Detected
6	4-16	Textured Ceiling Plaster	Library	Skim Coat: None Detected Base Coat: None Detected
6	4-17	Textured Ceiling Plaster	Library	Skim Coat: None Detected Base Coat: None Detected
6	4-18	Textured Ceiling Plaster	Restroom Lobby	Skim Coat: None Detected Base Coat: None Detected
6	4-19	Textured Ceiling Plaster	Computer Room	Skim Coat: None Detected Base Coat: None Detected
6	4-20	Textured Ceiling Plaster	Library at Computer Room	Skim Coat: None Detected Base Coat: None Detected
7	4-21	Smooth Plaster	Work Room	Skim Coat: None Detected Base Coat: None Detected
7	4-22	Smooth Plaster	Computer Room	Skim Coat: None Detected Base Coat: None Detected
7	4-23	Smooth Plaster	Restroom Lobby	Skim Coat: None Detected Base Coat: None Detected
7	4-24	Smooth Plaster	Library	Skim Coat: None Detected Base Coat: None Detected
7	4-25	Smooth Plaster	Office	Skim Coat: None Detected Base Coat: None Detected
8	4-26	Black Sink Mastic	Office	5% Chrysotile
8	4-27	Black Sink Mastic	Office	Positive Stop (Not Analyzed)
8	4-28	Black Sink Mastic	Work Room	Positive Stop (Not Analyzed)

Appendix A

ASBESTOS SURVEY SAMPLE SUMMARY
Erwin Elementary School - Building 4 (Media Center)
 301 South 10th Street
 Erwin, North Carolina
 Terracon Project No. 70197439

HA	Sample Number	Description	Sample Location	Lab Results
9	4-29	9" x 9" Brown Floor Tile and Mastic	Library	Floor Tile: 5% Chrysotile Mastic: 8% Chrysotile
9	4-30	9" x 9" Brown Floor Tile and Mastic	Library	Positive Stop (Not Analyzed)
9	4-31	9" x 9" Brown Floor Tile and Mastic	Library	Positive Stop (Not Analyzed)
10	4-32	Built-up Roofing with Silver Paint on Canopy	South Canopy Roof	Roofing 1: None Detected Roofing 2: None Detected Roofing 3: None Detected Paint: None Detected
10	4-33	Built-up Roofing with Silver Paint on Canopy	South Canopy Roof	Roofing 1: None Detected Roofing 2: None Detected Roofing 3: None Detected Paint: None Detected
10	4-34	Built-up Roofing with Silver Paint on Canopy	South Canopy Roof	Roofing 1: None Detected Roofing 2: None Detected Roofing 3: None Detected Paint: None Detected
11	4-35	Black Roof Mastic on Canopy	South Canopy Roof	None Detected
11	4-36	Black Roof Mastic on Canopy	South Canopy Roof	None Detected
11	4-37	Black Roof Mastic on Canopy	South Canopy Roof	None Detected
12	4-38	Ceramic Wall Tile Grout and Mortar	Girl's Restroom	Grout: None Detected Mortar: None Detected
12	4-39	Ceramic Wall Tile Grout and Mortar	Girl's Restroom	Grout: None Detected Mortar: None Detected
12	4-40	Ceramic Wall Tile Grout and Mortar	Girl's Restroom	Grout: None Detected Mortar: None Detected
13	4-41	Gray HVAC Duct Putty	Library	None Detected
13	4-42	Gray HVAC Duct Putty	Library	None Detected
13	4-43	Gray HVAC Duct Putty	Library	None Detected
14	4-44	Drywall (No Joint Compound Present)	Computer Room at Door	None Detected
14	4-45	Drywall (No Joint Compound Present)	Computer Room at Door	None Detected
14	4-46	Drywall (No Joint Compound Present)	Library at Computer Room	None Detected
15	4-47	Off-white Exterior Window Glazing	Northeast Window	None Detected
15	4-48	Off-white Exterior Window Glazing	North Window at Door	None Detected
15	4-49	Off-white Exterior Window Glazing	South Window at Door	None Detected
16	4-50	White Exterior Caulk	Northeast Window	None Detected
16	4-51	White Exterior Caulk	North Window at Door	None Detected
16	4-52	White Exterior Caulk	South Window at Door	None Detected
17	4-53	Concrete at Flue	Boiler Room	None Detected
17	4-54	Concrete at Flue	Boiler Room	None Detected
17	4-55	Concrete at Flue	Boiler Room	None Detected

*Highlighted and bolded samples indicate materials with >1% asbestos.

*Bolded samples indicate materials with <1% asbestos.

Appendix A

ASBESTOS SURVEY SAMPLE SUMMARY
Erwin Elementary School - Building 5 (RAM Building)
301 South 10th Street
 Erwin, North Carolina
 Terracon Project No. 70197439

HA	Sample Number	Description	Sample Location	Lab Results
1	5-1	Air Cell Pipe Insulation	Boiler Room	30% Chrysotile
1	5-2	Air Cell Pipe Insulation	Boiler Room	Positive Stop (Not Analyzed)
1	5-3	Air Cell Pipe Insulation	Boiler Room	Positive Stop (Not Analyzed)
2	5-4	Hard TSI Joint with Tan Canvas Wrap	Boiler Room Elbow	TSI: None Detected Wrap: None Detected
2	5-5	Hard TSI Joint with Tan Canvas Wrap	Boiler Room Elbow	TSI: None Detected Wrap: None Detected
2	5-6	Hard TSI Joint with Tan Canvas Wrap	Boiler Room Tee	TSI: None Detected Wrap: None Detected
3	5-7	Hard TSI Joint Associated with HA 1	Boiler Room Elbow	40% Chrysotile
3	5-8	Hard TSI Joint Associated with HA 1	Boiler Room Elbow	Positive Stop (Not Analyzed)
3	5-9	Hard TSI Joint Associated with HA 1	Boiler Room Elbow	Positive Stop (Not Analyzed)
4	5-10	White Mud TSI Joint	Boiler Room Elbow	None Detected
4	5-11	White Mud TSI Joint	Boiler Room Elbow	None Detected
4	5-12	White Mud TSI Joint	Boiler Room End	None Detected
5	5-13	Boiler Rope Gasket	Boiler Room	60% Chrysotile
5	5-14	Boiler Rope Gasket	Boiler Room	Positive Stop (Not Analyzed)
5	5-15	Boiler Rope Gasket	Boiler Room	Positive Stop (Not Analyzed)
6	5-16	Lightweight Concrete	At Boiler	None Detected
6	5-17	Lightweight Concrete	At Boiler	None Detected
6	5-18	Lightweight Concrete	At Boiler	None Detected
7	5-19	Interior Window Glazing	Boiler Room	2% Chrysotile
7	5-20	Interior Window Glazing	Boiler Room	Positive Stop (Not Analyzed)
7	5-21	Interior Window Glazing	Boiler Room	Positive Stop (Not Analyzed)
8	5-22	Plaster	Basement Restroom	Skim Coat: None Detected Base Coat: None Detected
8	5-23	Plaster	Door to Kitchen	Skim Coat: None Detected Base Coat: None Detected
8	5-24	Plaster	Cafeteria Southeast	Skim Coat: None Detected Base Coat: None Detected
8	5-25	Plaster	Room 305 Closet	Skim Coat: None Detected Base Coat: None Detected
8	5-26	Plaster	Room 305	Texture: None Detected Skim Coat: None Detected Base Coat: None Detected
8	5-27	Plaster	Room 304 Closet	Texture: None Detected Skim Coat: None Detected Base Coat: None Detected
8	5-28	Plaster	Room 305 Closet	Texture: None Detected Skim Coat: None Detected Base Coat: None Detected
9	5-29	9" x 9" Gray Floor Tile and Mastic	Cafeteria	Floor Tile: 2% Chrysotile Mastic: 5% Chrysotile
9	5-30	9" x 9" Gray Floor Tile and Mastic	Cafeteria	Positive Stop (Not Analyzed)
9	5-31	9" x 9" Gray Floor Tile and Mastic	Cafeteria	Positive Stop (Not Analyzed)

Appendix A

ASBESTOS SURVEY SAMPLE SUMMARY
Erwin Elementary School - Building 5 (RAM Building)
301 South 10th Street
 Erwin, North Carolina
 Terracon Project No. 70197439

HA	Sample Number	Description	Sample Location	Lab Results
10	5-32	Red Firestop	Basement Office at Restroom	None Detected
10	5-33	Red Firestop	Basement Office at Restroom	None Detected
10	5-34	Red Firestop	Basement Office at Restroom	None Detected
11	5-35	Black Waterproofing	Cafeteria	None Detected
11	5-36	Black Waterproofing	Kitchen	None Detected
11	5-37	Black Waterproofing	Kitchen	None Detected
12	5-38	Drywall Lathe	Cafeteria	None Detected
12	5-39	Drywall Lathe	Cafeteria	None Detected
12	5-40	Drywall Lathe	Room 305 Closet	None Detected
13	5-41	Black Roof Caulk	West at Canopy	None Detected
13	5-42	Black Roof Caulk	West at Canopy	None Detected
13	5-43	Black Roof Caulk	West at Canopy	None Detected
14	5-44	Gray Shingles and Felt Paper	At Canopy/Entrance	Shingle 1: None Detected Shingle 2: None Detected Felt Paper: None Detected
14	5-45	Gray Shingles and Felt Paper	At Southwest Canopy	Shingle 1: None Detected Shingle 2: None Detected Felt Paper: None Detected
14	5-46	Gray Shingles and Felt Paper	Southwest Corner	Shingle 1: None Detected Shingle 2: None Detected Felt Paper: None Detected
15	5-47	12" x 12" Off-white Speckled Floor Tile and Mastic	Main Lobby	Floor Tile: None Detected Mastic: None Detected
15	5-48	12" x 12" Off-white Speckled Floor Tile and Mastic	Room 305	Floor Tile: None Detected Mastic: None Detected
15	5-49	12" x 12" Off-white Speckled Floor Tile and Mastic	Room 303	Floor Tile: None Detected Mastic: None Detected
16	5-50	12" x 12" Light Gray with Gray Specks Floor Tile and Mastic	Room 303 Restroom	Floor Tile: None Detected Mastic: None Detected
16	5-51	12" x 12" Light Gray with Gray Specks Floor Tile and Mastic	Room 303 Restroom	Floor Tile: None Detected Mastic: None Detected
16	5-52	12" x 12" Light Gray with Gray Specks Floor Tile and Mastic	Room 303 Restroom	Floor Tile: None Detected Mastic: None Detected
17	5-53	Tan Floor Tile and Mastic - 2nd Layer	Room 303	Floor Tile: 2% Chrysotile Mastic: 3% Chrysotile
17	5-54	Tan Floor Tile and Mastic - 2nd Layer	Room 305	Positive Stop (Not Analyzed)
17	5-55	Tan Floor Tile and Mastic - 2nd Layer	Main Lobby	Positive Stop (Not Analyzed)
18	5-56	12" x 12" Tri-blue Floor Tile and Mastic	Main Lobby Patch at Radiator	Floor Tile: None Detected Mastic (Black): 3% Chrysotile Mastic (Tan): None Detected
18	5-57	12" x 12" Tri-blue Floor Tile and Mastic	Main Lobby Patch at Radiator	Floor Tile: None Detected Mastic (Black): Positive Stop (Not Analyzed) Mastic (Tan): None Detected

Appendix A

ASBESTOS SURVEY SAMPLE SUMMARY
Erwin Elementary School - Building 5 (RAM Building)
301 South 10th Street
 Erwin, North Carolina
 Terracon Project No. 70197439

HA	Sample Number	Description	Sample Location	Lab Results
18	5-58	12" x 12" Tri-blue Floor Tile and Mastic	Main Lobby Patch at Radiator	Floor Tile: None Detected Mastic (Black): Positive Stop (Not Analyzed) Mastic (Tan): None Detected
19	5-59	Black Felt Paper under Hardwood Flooring	Room 304	None Detected
19	5-60	Black Felt Paper under Hardwood Flooring	Room 302	None Detected
19	5-61	Black Felt Paper under Hardwood Flooring	Music Room	None Detected
20	5-62	Gray Vinyl Sheet Flooring with Black Felt Backing	Room 305	Vinyl Sheet Flooring: None Detected Mastic: None Detected
20	5-63	Gray Vinyl Sheet Flooring with Black Felt Backing	Room 305	Vinyl Sheet Flooring: None Detected Mastic: None Detected
20	5-64	Gray Vinyl Sheet Flooring with Black Felt Backing	Room 305	Vinyl Sheet Flooring: None Detected Mastic: None Detected
21	5-65	12" x 12" Tri-beige Floor Tile and Mastic	Room 304	Floor Tile: None Detected Mastic: None Detected
21	5-66	12" x 12" Tri-beige Floor Tile and Mastic	Room 304	Floor Tile: None Detected Mastic: None Detected
21	5-67	12" x 12" Tri-beige Floor Tile and Mastic	Room 304 Closet	Floor Tile: None Detected Mastic: None Detected
22	5-68	White with 4" Grid and Brown Diamond Vinyl Sheet Flooring	Room 305 Closet	None Detected
22	5-69	White with 4" Grid and Brown Diamond Vinyl Sheet Flooring	Room 305 Closet	None Detected
22	5-70	White with 4" Grid and Brown Diamond Vinyl Sheet Flooring	Room 305 Closet	None Detected
23	5-71	Drywall and Joint Compound - Ceiling	Main Lobby	Composite: None Detected
23	5-72	Drywall and Joint Compound - Ceiling	Room 302	Composite: None Detected
23	5-73	Drywall and Joint Compound - Ceiling	Room 304	Composite: None Detected
24	5-74	2' x 2' White Ceiling Tile with Dots	Main Lobby	None Detected
24	5-75	2' x 2' White Ceiling Tile with Dots	Room 302	None Detected
24	5-76	2' x 2' White Ceiling Tile with Dots	Room 304	None Detected
25	5-77	Silver Paint on Radiators	Room 304	None Detected
25	5-78	Silver Paint on Radiators	Room 304	None Detected
25	5-79	Silver Paint on Radiators	Room 305	None Detected
26	5-80	Yellow Carpet Glue and Brown Paint	Band Room	Carpet Glue: None Detected Paint: None Detected
26	5-81	Yellow Carpet Glue and Brown Paint	Music Lobby	Carpet Glue: None Detected Paint: None Detected
26	5-82	Yellow Carpet Glue and Brown Paint	Music Room	Carpet Glue: None Detected Paint: None Detected
27	5-83	4" Black Cove Base and Mastic	Band Room	Cove Base: None Detected Mastic: None Detected
27	5-84	4" Black Cove Base and Mastic	Music Lobby	Cove Base: None Detected Mastic: None Detected

Appendix A

ASBESTOS SURVEY SAMPLE SUMMARY
Erwin Elementary School - Building 5 (RAM Building)
301 South 10th Street
 Erwin, North Carolina
 Terracon Project No. 70197439

HA	Sample Number	Description	Sample Location	Lab Results
27	5-85	4" Black Cove Base and Mastic	Music Room	Cove Base: None Detected Mastic: None Detected
28	5-86	Drywall and Joint Compound - Walls	Band Room	Composite: None Detected
28	5-87	Drywall and Joint Compound - Walls	Music Lobby	Composite: None Detected
28	5-88	Drywall and Joint Compound - Walls	Music Room	Composite: None Detected
29	5-89	Black Sink Mastic	Music Room	8% Chrysotile
29	5-90	Black Sink Mastic	Music Room	Positive Stop (Not Analyzed)
29	5-91	Black Sink Mastic	Music Room	Positive Stop (Not Analyzed)
30	5-92	Beige FRP Mastic	Music Room	None Detected
30	5-93	Beige FRP Mastic	Music Room	None Detected
30	5-94	Beige FRP Mastic	Music Room	None Detected
31	5-95	Brown FRP Mastic	Music Room	None Detected
31	5-96	Brown FRP Mastic	Music Room	None Detected
31	5-97	Brown FRP Mastic	Music Room	None Detected
32	5-98	White Exterior Caulk - Wood at Brick	Door to Music Lobby	None Detected
32	5-99	White Exterior Caulk - Wood at Brick	Window at Main Lobby	2% Chrysotile
32	5-100	White Exterior Caulk - Wood at Brick	At Room 301 South Window	Positive Stop (Not Analyzed)
33	5-101	White Exterior Window Glazing	At Music Lobby	None Detected
33	5-102	White Exterior Window Glazing	At Main Lobby	None Detected
33	5-103	White Exterior Window Glazing	At Room 301 South Window	None Detected
34	5-104	Black Shingles and Felt Paper	Canopy over Northeast Basement Door	Shingle: None Detected Felt Paper: None Detected
34	5-105	Black Shingles and Felt Paper	Canopy over Northeast Basement Door	Shingle: None Detected Felt Paper: None Detected
34	5-106	Black Shingles and Felt Paper	Canopy over Northeast Basement Door	Shingle: None Detected Felt Paper: None Detected
35	5-107	Ceramic Wall Tile Grout and Mortar	Room 303 Restroom	Grout: None Detected Mortar: None Detected
35	5-108	Ceramic Wall Tile Grout and Mortar	Room 303 Restroom	Grout: None Detected Mortar: None Detected
35	5-109	Ceramic Wall Tile Grout and Mortar	Room 303 Restroom	Grout: None Detected Mortar: None Detected

*Highlighted and bolded samples indicate materials with >1% asbestos.

*Bolded samples indicate materials with <1% asbestos.

APPENDIX B

IDENTIFIED ASBESTOS CONTAINING MATERIALS

Appendix B

MATERIALS CONTAINING ASBESTOS SUMMARY
Erwin Elementary School - Building 1 (2-Story Building)
 301 South 10th Street
 Erwin, North Carolina
 Terracon Project No. 70197439

MATERIALS CONTAINING GREATER THAN 1% ASBESTOS

HA	Sample No.	Description	Material Location	NESHAP Classification	Percent/Type Asbestos	Condition	Estimated Quantity*
4	1-16	Black Sink Mastic	Room 110	Category II Non-Friable	8% Chrysotile	Good	1 Sink
14	1-50	9" x 9" Tan Floor Tile and Mastic	Hall at Office F, Office C, and Office E	Category I Non-Friable	Floor Tile: 5% Chrysotile Mastic (Black): 8% Chrysotile Mastic (Clear): None Detected Leveler: None Detected	Good	300 Square Feet
17	1-59	12" x 12" Tan with Brown Dots Floor Tile and Mastic	Office A	Category I Non-Friable	Floor Tile: 3% Chrysotile Mastic (Black): None Detected Mastic (Tan): None Detected	Good	400 Square Feet
18	1-62	Mastic Associated with 12" x 12" Beige with Tan Splotches Floor Tile and Mastic	East Office and Work Room	Category I Non-Friable	Floor Tile: <1% Chrysotile Mastic (Black): 8% Chrysotile Mastic (Tan): None Detected	Good	370 Square Feet
27	1-89	Black and Gray Roof Mastic	South 2nd Floor Canopy Roof	Category I Non-Friable	Mastic (Black): 5% Chrysotile Mastic (Gray): None Detected	Good	300 Linear Feet
28	1-92	Silver Paint	Canopy Roofs	Category II Non-Friable	3% Chrysotile	Damaged	300 Linear Feet
31	1-101	Black Roof Mastic on Brick	Main Roof Parapet Walls	Category I Non-Friable	10% Chrysotile	Good	3,000 Square Feet
33	1-107	Exterior Caulk	Doors and Windows	Category II Non-Friable	2% Chrysotile	Good	50 Linear Feet
34	1-110	Exterior Window Glazing	Exterior Window	Category II Non-Friable	2% Chrysotile	Significantly Damaged	50 Linear Feet

MATERIALS WITH LESS THAN 1% ASBESTOS

HA	Sample No.	Description	Material Location	NESHAP Classification	Percent/Type Asbestos	Condition	Estimated Quantity*
2	1-4 1-5 1-6	Drywall and Joint Compound	West Wing Hallway Walls over Plaster	N/A	Composite: <0.25% Chrysotile (EPA Point Count) Drywall: None Detected Joint Compound: 2% Chrysotile	Good	3,500 Square Feet

Appendix B

MATERIALS CONTAINING ASBESTOS SUMMARY
Erwin Elementary School - Building 1 (2-Story Building)
301 South 10th Street
Erwin, North Carolina
Terracon Project No. 70197439

MATERIALS CONTAINING GREATER THAN 1% ASBESTOS

HA	Sample No.	Description	Material Location	NESHAP Classification	Percent/Type Asbestos	Condition	Estimated Quantity*
24	1-80 1-81 1-82	Drywall and Joint Compound - Boiler Room	Boiler Room	N/A	Composite: <0.25% Chrysotile (EPA Point Count) Drywall: None Detected Joint Compound: 2% Chrysotile	Good	400 Square Feet

Note: All quantities should be verified by the asbestos abatement contractor.

Appendix B

MATERIALS CONTAINING ASBESTOS SUMMARY

Erwin Elementary School - Gym Building

301 South 10th Street

Erwin, North Carolina

Terracon Project No. 70197439

MATERIALS CONTAINING GREATER THAN 1% ASBESTOS

HA	Sample No.	Description	Material Location	NESHAP Classification	Percent/Type Asbestos	Condition	Estimated Quantity*
9	Gym-27	White Exterior Door Caulk	South Door, Doors to Northeast Storage Room and Boiler Room	Category II Non-Friable	2% Chrysotile	Good	4 Doors
10	Gym-29	Beige Exterior Door Caulk	Roll-up Door and North Door	Category II Non-Friable	3% Chrysotile	Good	2 Doors
11	Gym-32	White Exterior Window Glazing	Windows	Category II Non-Friable	2% Chrysotile	Damaged	35 Windows
13	Gym-38	9" x 9" Black with White Streaks Floor Tile and Mastic	Lobby, Chemical Storage Area	Category I Non-Friable	Floor Tile: 3% Chrysotile Mastic: 5% Chrysotile	Good	425 Square Feet
14	Gym-41	Mastic Associated with 12" x 12" Off-white with Brown and White Specks Floor Tile	South Entry	Category I Non-Friable	Floor Tile: <1% Chrysotile Mastic: 5% Chrysotile	Good	25 Square Feet
18	Gym-53	Mastic Associated with 12" x 12" Pink with White Specks Floor Tile	South Entry	Category I Non-Friable	Floor Tile: <1% Chrysotile Mastic: 3% Chrysotile	Good	80 Square Feet
20	Gym-63	Mastic Associated with 12" x 12" Light Gray with Gray and White Specks Floor Tile	North Entry, South Entry, Halls	Category I Non-Friable	Floor Tile: <1% Chrysotile Mastic: 3% Chrysotile	Good	300 Square Feet
24	Gym-75	Interior Window Caulk	Gym North Wall	Category II Non-Friable	5% Chrysotile	Damaged	15 Windows

MATERIALS WITH LESS THAN 1% ASBESTOS

HA	Sample No.	Description	Material Location	NESHAP Classification	Percent/Type Asbestos	Condition	Estimated Quantity*
14	Gym-41	12" x 12" Off-white with Brown and White Specks Floor Tile	South Entry	Category I Non-Friable	Floor Tile: <1% Chrysotile Mastic: 5% Chrysotile	Good	25 Square Feet
18	Gym-53	12" x 12" Pink with White Specks Floor Tile	South Entry	Category I Non-Friable	Floor Tile: <1% Chrysotile Mastic: 3% Chrysotile	Good	80 Square Feet
20	Gym-63	12" x 12" Light Gray with Gray and White Specks Floor Tile	North Entry, South Entry, Halls	Category I Non-Friable	Floor Tile: <1% Chrysotile Mastic: 3% Chrysotile	Good	300 Square Feet

Note: All quantities should be verified by the asbestos abatement contractor.

Appendix B

MATERIALS CONTAINING ASBESTOS SUMMARY

Erwin Elementary School - Building 3 (Cafeteria)

301 South 10th Street

Erwin, North Carolina

Terracon Project No. 70197439

MATERIALS CONTAINING GREATER THAN 1% ASBESTOS

HA	Sample No.	Description	Material Location	NESHAP Classification	Percent/Type Asbestos	Condition	Estimated Quantity*
7	3-19	Silver Paint and Black Flashing	West Roof	Category I Non-Friable	2% Chrysotile (Inseparable Paint and Flashing)	Good	100 Square Feet
13	3-40	12" x 12" Tri-beige Floor Tile and Mastic	Lounge	Category I Non-Friable	Floor Tile: None Detected Mastic: 5% Chrysotile	Good	220 Square Feet
14	3-45	Textured Coating on CMU and Brick Walls	West Storage Room and Electrical Room	Category II Non-Friable	3% Chrysotile (Sample Not Homogeneous)	Good	1,500 Square Feet
15	3-48	Checkered 12" x 12" Beige with Brown Specks/Green Floor Tile and Mastic	Storage Room	Category I Non-Friable	Floor Tile 1: 2% Chrysotile Mastic 1: 5% Chrysotile Floor Tile 2: 2% Chrysotile Mastic 2: 5% Chrysotile	Good	450 Square Feet
28	3-89	Exterior Window Glazing	Exterior Windows	Category II Non-Friable	2% Chrysotile	Damaged	23 Windows
29	3-92	Interior Window Glazing	Interior Windows	Category II Non-Friable	2% Chrysotile	Damaged	8 Windows
30	3-95	White with Gray Interior Window Glazing	Serving Area North	Category II Non-Friable	2% Chrysotile	Damaged	2 Windows

MATERIALS WITH LESS THAN 1% ASBESTOS

HA	Sample No.	Description	Material Location	NESHAP Classification	Percent/Type Asbestos	Condition	Estimated Quantity*
25	3-78	CMU Block Filler	Chemical Storage, Office, Dry Storage	N/A	<1% Chrysotile	Good	800 Square Feet

Note: All quantities should be verified by the asbestos abatement contractor.

Appendix B

MATERIALS CONTAINING ASBESTOS SUMMARY
Erwin Elementary School - Building 4 (Media Center)
301 South 10th Street
Erwin, North Carolina
Terracon Project No. 70197439

MATERIALS CONTAINING GREATER THAN 1% ASBESTOS

HA	Sample No.	Description	Material Location	NESHAP Classification	Percent/Type Asbestos	Condition	Estimated Quantity*
8	4-26	Black Sink Mastic	Office and Work Room	Category I Non-Friable	5% Chrysotile	Good	2 Sinks
9	4-29	9" x 9" Brown Floor Tile and Mastic	Library (under built-in shelving)	Category I Non-Friable	Floor Tile: 5% Chrysotile Mastic: 8% Chrysotile	Good	300 Square Feet

Note: All quantities should be verified by the asbestos abatement contractor.

Appendix B

MATERIALS CONTAINING ASBESTOS SUMMARY
Erwin Elementary School - Building 5 (RAM Building)
 301 South 10th Street
 Erwin, North Carolina
 Terracon Project No. 70197439

MATERIALS CONTAINING GREATER THAN 1% ASBESTOS

HA	Sample No.	Description	Material Location	NESHAP Classification	Percent/Type Asbestos	Condition	Estimated Quantity*
1	5-1	Air Cell Pipe Insulation	Boiler Room	Friable	30% Chrysotile	Good	150 Linear Feet
3	5-7	Hard TSI Joint Associated with HA 1	Boiler Room Elbow	Friable	40% Chrysotile	Good	20 Elbows / Joints
5	5-13	Boiler Rope Gasket	Boiler Room	Friable	60% Chrysotile	Damaged	1 Boiler
6	5-19	Interior Window Glazing	Boiler Room	Category II Non-Friable	2% Chrysotile	Damaged	2 Windows
9	5-29	9" x 9" Gray Floor Tile and Mastic	Cafeteria (residual pieces)	Category I Non-Friable	Floor Tile: 2% Chrysotile Mastic: 5% Chrysotile	Good	5 Square Feet
17	5-53	Tan Floor Tile and Mastic - 2nd Layer	Room 303, Room 305, Main Lobby	Category I Non-Friable	Floor Tile: 2% Chrysotile Mastic: 3% Chrysotile	Good	1,600 Square Feet
18	5-56	12" x 12" Tri-blue Floor Tile and Mastic	Main Lobby Patch at Radiator	Category I Non-Friable	Floor Tile: None Detected Mastic (Black): 3% Chrysotile Mastic (Tan): None Detected	Good	10 Square Feet
29	5-89	Black Sink Mastic	Music Room	Category II Non-Friable	8% Chrysotile	Good	1 Sink
32	5-99	White Exterior Caulk - Wood at Brick	Exterior Doors and Windows	Category II Non-Friable	2% Chrysotile	Damaged	60 Windows / Doors

Note: All quantities should be verified by the asbestos abatement contractor.

APPENDIX C

ASBESTOS ANALYTICAL LABORATORY DATA



EMSL Analytical, Inc.

2500 Gateway Centre Blvd., Suite 600 Morrisville, NC 27560

Tel/Fax: (919) 465-3900 / (919) 465-3950

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

EMSL Order: 291909102

Customer ID: TITA51

Customer PO: 70197439

Project ID:

Attention: Alicia Coley
Terracon Consultants, Inc.
2401 Brentwood Road
Suite 107
Raleigh, NC 27604

Phone:

Fax: (919) 873-9555

Received Date: 09/04/2019 10:10 AM

Analysis Date: 09/05/2019 - 09/09/2019

Collected Date:

Project: 70197439 Erwin Elementary School Demolition Asbestos Survey, Building 1 / 2-Story Building, 301 S 10th Street, Erwin, NC

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1-1 291909102-0001	Room 110 - Black Felt Paper under Hardwood Flooring	Brown/Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
1-2 291909102-0002	Room 110 - Black Felt Paper under Hardwood Flooring	Brown/Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
1-3 291909102-0003	Room 110 - Black Felt Paper under Hardwood Flooring	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
1-4-Drywall 291909102-0004	Hall at Room 110 - Drywall and Joint Compound	Brown/Gray Fibrous Homogeneous	15% Cellulose <1% Glass	20% Ca Carbonate 30% Gypsum 35% Non-fibrous (Other)	None Detected
<i>This HA sample group is not homogeneous</i>					
1-4-Joint Compound 291909102-0004A	Hall at Room 110 - Drywall and Joint Compound	Beige Fibrous Homogeneous	2% Cellulose	60% Ca Carbonate 36% Non-fibrous (Other)	2% Chrysotile
1-4-Composite 291909102-0004B	Hall at Room 110 - Drywall and Joint Compound	Brown/Gray/Beige Fibrous Homogeneous	10% Cellulose <1% Glass	20% Ca Carbonate 20% Gypsum 50% Non-fibrous (Other)	<1% Chrysotile
1-5-Drywall 291909102-0005	Hall at Room 212 - Drywall and Joint Compound	Brown/Gray Fibrous Homogeneous	15% Cellulose 2% Glass	20% Ca Carbonate 30% Gypsum 33% Non-fibrous (Other)	None Detected
1-5-Joint Compound 291909102-0005A	Hall at Room 212 - Drywall and Joint Compound	Beige Fibrous Homogeneous	2% Cellulose	60% Ca Carbonate 36% Non-fibrous (Other)	2% Chrysotile
1-5-Composite 291909102-0005B	Hall at Room 212 - Drywall and Joint Compound	Brown/Gray/Beige Fibrous Homogeneous	10% Cellulose <1% Glass	20% Ca Carbonate 20% Gypsum 50% Non-fibrous (Other)	<1% Chrysotile
1-6-Drywall 291909102-0006	Hall at Room 211 - Drywall and Joint Compound	Brown/Gray Fibrous Homogeneous	20% Cellulose	40% Gypsum 40% Non-fibrous (Other)	None Detected
1-6-Joint Compound 291909102-0006A	Hall at Room 211 - Drywall and Joint Compound	White Fibrous Homogeneous	2% Cellulose	60% Ca Carbonate 36% Non-fibrous (Other)	2% Chrysotile
1-6-Composite 291909102-0006B	Hall at Room 211 - Drywall and Joint Compound	Brown/Gray/White Fibrous Homogeneous	15% Cellulose	20% Ca Carbonate 30% Gypsum 35% Non-fibrous (Other)	<1% Chrysotile
1-7 291909102-0007	Auditorium - Drywall and Joint Compound	Brown/Gray/White Fibrous Homogeneous	10% Cellulose <1% Glass	20% Ca Carbonate 20% Gypsum 50% Non-fibrous (Other)	None Detected
<i>This is a composite result of drywall, and joint compound</i>					
1-8 291909102-0008	Auditorium - Drywall and Joint Compound	Brown/Gray/White Fibrous Homogeneous	10% Cellulose <1% Glass	20% Ca Carbonate 20% Gypsum 50% Non-fibrous (Other)	None Detected
<i>This is a composite result of drywall, and joint compound</i>					
1-9-Skim Coat 291909102-0009	Room 110 - Plaster with Drywall Lathe	Brown/Gray/White Non-Fibrous Homogeneous		10% Quartz 60% Ca Carbonate 30% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1-9-Base Coat 291909102-0009A	Room 110 - Plaster with Drywall Lathe	Gray Non-Fibrous Homogeneous		15% Quartz 40% Ca Carbonate 45% Non-fibrous (Other)	None Detected
1-9-Drywall 291909102-0009B <i>This is a composite result of drywall, and joint compound</i>	Room 110 - Plaster with Drywall Lathe	Brown/Gray/White Fibrous Homogeneous	15% Cellulose	20% Ca Carbonate 30% Gypsum 35% Non-fibrous (Other)	None Detected
1-10-Skim Coat 291909102-0010	Hall at Room 212 - Plaster with Drywall Lathe	White Non-Fibrous Homogeneous		15% Quartz 40% Ca Carbonate 45% Non-fibrous (Other)	None Detected
1-10-Base Coat 291909102-0010A	Hall at Room 212 - Plaster with Drywall Lathe	Tan Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
1-10-Drywall 291909102-0010B	Hall at Room 212 - Plaster with Drywall Lathe	Brown/Gray Fibrous Homogeneous	15% Cellulose 2% Glass	20% Ca Carbonate 30% Gypsum 33% Non-fibrous (Other)	None Detected
1-11-Skim Coat 291909102-0011	Room 212 - Plaster with Drywall Lathe	White Non-Fibrous Homogeneous		15% Quartz 40% Ca Carbonate 45% Non-fibrous (Other)	None Detected
1-11-Base Coat 291909102-0011A	Room 212 - Plaster with Drywall Lathe	Tan Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
1-11-Drywall 291909102-0011B	Room 212 - Plaster with Drywall Lathe	Brown/Gray Fibrous Homogeneous	15% Cellulose 2% Glass	20% Ca Carbonate 30% Gypsum 33% Non-fibrous (Other)	None Detected
1-12-Skim Coat 291909102-0012	Room 211 - Plaster with Drywall Lathe	White Non-Fibrous Homogeneous		15% Quartz 40% Ca Carbonate 45% Non-fibrous (Other)	None Detected
1-12-Base Coat 291909102-0012A	Room 211 - Plaster with Drywall Lathe	Tan Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
1-13-Skim Coat 291909102-0013	Room 213 - Plaster with Drywall Lathe	White Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
1-13-Base Coat 291909102-0013A	Room 213 - Plaster with Drywall Lathe	Gray Non-Fibrous Homogeneous		15% Quartz 40% Ca Carbonate 45% Non-fibrous (Other)	None Detected
1-14-Skim Coat 291909102-0014	Room 109 - Plaster with Drywall Lathe	White Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
1-14-Base Coat 291909102-0014A	Room 109 - Plaster with Drywall Lathe	Gray Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
1-14-Drywall 291909102-0014B	Room 109 - Plaster with Drywall Lathe	Brown/Gray Fibrous Homogeneous	20% Cellulose	40% Gypsum 40% Non-fibrous (Other)	None Detected
1-15-Skim Coat 291909102-0015	Room 112 - Plaster with Drywall Lathe	White Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
1-15-Base Coat 291909102-0015A	Room 112 - Plaster with Drywall Lathe	Gray Non-Fibrous Homogeneous		15% Quartz 40% Ca Carbonate 45% Non-fibrous (Other)	None Detected
1-15-Drywall 291909102-0015B	Room 112 - Plaster with Drywall Lathe	Brown/Gray Fibrous Homogeneous	20% Cellulose	40% Gypsum 40% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1-16 <small>291909102-0016</small>	Room 110 - Black Sink Mastic	Black Fibrous Homogeneous		30% Ca Carbonate 62% Non-fibrous (Other)	8% Chrysotile
1-17 <small>291909102-0017</small>	Room 110 - Black Sink Mastic				Positive Stop (Not Analyzed)
1-18 <small>291909102-0018</small>	Room 110 - Black Sink Mastic				Positive Stop (Not Analyzed)
1-19 <small>291909102-0019</small>	Room 109 - Silver Paint on Radiators	Various/Silver Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
1-20 <small>291909102-0020</small>	Room 106 - Silver Paint on Radiators	Silver Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
1-21 <small>291909102-0021</small>	Room 211 - Silver Paint on Radiators	Black/Silver Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
1-22 <small>291909102-0022</small>	Hall at Room 110 - Brittle Red Fire Caulk	White/Red Fibrous Homogeneous	2% Cellulose	40% Ca Carbonate 58% Non-fibrous (Other)	None Detected
1-23 <small>291909102-0023</small>	Hall at Room 110 - Brittle Red Fire Caulk	White/Red Fibrous Homogeneous	2% Cellulose	40% Ca Carbonate 58% Non-fibrous (Other)	None Detected
1-24 <small>291909102-0024</small>	Hall at Room 110 - Brittle Red Fire Caulk	Red Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
1-25 <small>291909102-0025</small>	Hall at Room 110 - Dark Red Fire Caulk	Red Fibrous Homogeneous	10% Cellulose	25% Ca Carbonate 65% Non-fibrous (Other)	None Detected
1-26 <small>291909102-0026</small>	Room 209A - Dark Red Fire Caulk	Red/Silver Fibrous Homogeneous	3% Cellulose	25% Ca Carbonate 72% Non-fibrous (Other)	None Detected
1-27 <small>291909102-0027</small>	Room 209A - Dark Red Fire Caulk	Red Fibrous Homogeneous	10% Glass	20% Ca Carbonate 70% Non-fibrous (Other)	None Detected
1-28 <small>291909102-0028</small>	Room 102 - Textured Plaster	Brown/White Non-Fibrous Homogeneous		10% Quartz 60% Ca Carbonate 30% Non-fibrous (Other)	None Detected
1-29 <small>291909102-0029</small>	1st Floor Hall at Auditorium - Textured Plaster	Brown/White Non-Fibrous Homogeneous		10% Quartz 60% Ca Carbonate 30% Non-fibrous (Other)	None Detected
1-30 <small>291909102-0030</small>	Room 106 - Textured Plaster	Brown/White Non-Fibrous Homogeneous		10% Quartz 60% Ca Carbonate 30% Non-fibrous (Other)	None Detected
1-31 <small>291909102-0031</small>	Room 108 - Textured Plaster	Brown/Gold Non-Fibrous Homogeneous		60% Ca Carbonate 2% Micaceous Flakes 38% Non-fibrous (Other)	None Detected
1-32-Skim Coat <small>291909102-0032</small>	Room 207 - Textured Plaster	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
1-32-Base Coat <small>291909102-0032A</small>	Room 207 - Textured Plaster	Gray Non-Fibrous Homogeneous	<1% Cellulose	15% Quartz 40% Ca Carbonate 45% Non-fibrous (Other)	None Detected
1-33-Skim Coat <small>291909102-0033</small>	Upper Auditorium West Back Room - Textured Plaster	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected

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			% Fibrous	% Non-Fibrous	% Type
1-33-Base Coat 291909102-0033A	Upper Auditorium West Back Room - Textured Plaster	Gray Non-Fibrous Homogeneous	<1% Cellulose	15% Quartz 40% Ca Carbonate 45% Non-fibrous (Other)	None Detected
1-34-Skim Coat 291909102-0034	Hall at Room 203 - Textured Plaster	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
1-34-Base Coat 291909102-0034A	Hall at Room 203 - Textured Plaster	Gray Non-Fibrous Homogeneous	<1% Cellulose	15% Quartz 40% Ca Carbonate 45% Non-fibrous (Other)	None Detected
1-35 291909102-0035	1st Floor Boy's Restroom - Beige FRP Adhesive	Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
1-36 291909102-0036	1st Floor Girl's Restroom - Beige FRP Adhesive	Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
1-37 291909102-0037	1st Floor Boy's Restroom - Beige FRP Adhesive	Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
1-38 291909102-0038	1st Floor East Auditorium Dressing Room - Black Waterproofing	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1-39 291909102-0039	1st Floor East Auditorium Dressing Room - Black Waterproofing	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1-40 291909102-0040	1st Floor East Auditorium Dressing Room - Black Waterproofing	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1-41-Floor Tile 291909102-0041	Office F - 12" x 12" Tri-tan Floor Tile and Mastic	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
1-41-Mastic 291909102-0041A	Office F - 12" x 12" Tri-tan Floor Tile and Mastic	Tan Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
1-42-Floor Tile 291909102-0042	Office F - 12" x 12" Tri-tan Floor Tile and Mastic	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
1-42-Mastic 291909102-0042A	Office F - 12" x 12" Tri-tan Floor Tile and Mastic	Tan Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
1-43-Floor Tile 291909102-0043	Office F - 12" x 12" Tri-tan Floor Tile and Mastic	Tan Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
1-43-Mastic 291909102-0043A	Office F - 12" x 12" Tri-tan Floor Tile and Mastic	Tan/Yellow Fibrous Homogeneous	2% Cellulose 2% Synthetic	96% Non-fibrous (Other)	None Detected
1-44-Floor Tile 291909102-0044	Office F Restroom - 12" x 12" Tri-light Gray Floor Tile and Mastic	Gray Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
1-44-Mastic 291909102-0044A	Office F Restroom - 12" x 12" Tri-light Gray Floor Tile and Mastic	Tan Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected

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			% Fibrous	% Non-Fibrous	% Type
1-45-Floor Tile 291909102-0045	Office F Restroom - 12" x 12" Tri-light Gray Floor Tile and Mastic	Gray Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
1-45-Mastic 291909102-0045A	Office F Restroom - 12" x 12" Tri-light Gray Floor Tile and Mastic	Tan Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
1-46-Floor Tile 291909102-0046	Office F Restroom - 12" x 12" Tri-light Gray Floor Tile and Mastic	Gray Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
1-46-Mastic 291909102-0046A	Office F Restroom - 12" x 12" Tri-light Gray Floor Tile and Mastic	Tan Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
1-47-Cove Base 291909102-0047	Office F Restroom - 4" Black Cove Base and Mastic	Black Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
1-47-Mastic 291909102-0047A	Office F Restroom - 4" Black Cove Base and Mastic	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
1-48-Cove Base 291909102-0048	Office F Restroom - 4" Black Cove Base and Mastic	Black Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
1-48-Mastic 291909102-0048A	Office F Restroom - 4" Black Cove Base and Mastic	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
1-49-Cove Base 291909102-0049	Office F Restroom - 4" Black Cove Base and Mastic	Black Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
1-49-Mastic 291909102-0049A	Office F Restroom - 4" Black Cove Base and Mastic	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
1-50-Floor Tile 291909102-0050	Hall at Office F - 9" x 9" Tan Floor Tile and Mastic	Brown Fibrous Homogeneous		40% Ca Carbonate 55% Non-fibrous (Other)	5% Chrysotile
1-50-Mastic 1 291909102-0050A	Hall at Office F - 9" x 9" Tan Floor Tile and Mastic	Black Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
1-50-Mastic 2 291909102-0050B	Hall at Office F - 9" x 9" Tan Floor Tile and Mastic	Clear Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
1-50-Leveler 291909102-0050C	Hall at Office F - 9" x 9" Tan Floor Tile and Mastic	Gray Fibrous Homogeneous	3% Cellulose	45% Ca Carbonate 52% Non-fibrous (Other)	None Detected
1-51-Floor Tile 291909102-0051	Office C - 9" x 9" Tan Floor Tile and Mastic				Positive Stop (Not Analyzed)
1-51-Mastic 1 291909102-0051A	Office C - 9" x 9" Tan Floor Tile and Mastic				Positive Stop (Not Analyzed)
1-51-Mastic 2 291909102-0051B	Office C - 9" x 9" Tan Floor Tile and Mastic	Clear Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
1-52-Floor Tile 291909102-0052	Office E - 9" x 9" Tan Floor Tile and Mastic				Positive Stop (Not Analyzed)

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1-52-Mastic 1 <small>291909102-0052A</small>	Office E - 9" x 9" Tan Floor Tile and Mastic				Positive Stop (Not Analyzed)
1-52-Mastic 2 <small>291909102-0052B</small>	Office E - 9" x 9" Tan Floor Tile and Mastic	Clear Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
1-53-Cove Base <small>291909102-0053</small>	Office A - 4" Blue Cove Base and Mastic	Blue Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
1-53-Mastic <small>291909102-0053A</small>	Office A - 4" Blue Cove Base and Mastic	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
1-54-Cove Base <small>291909102-0054</small>	Reception - 4" Blue Cove Base and Mastic	Blue Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
1-54-Mastic <small>291909102-0054A</small>	Reception - 4" Blue Cove Base and Mastic	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
1-55-Cove Base <small>291909102-0055</small>	Reception - 4" Blue Cove Base and Mastic	Blue Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
1-55-Mastic <small>291909102-0055A</small>	Reception - 4" Blue Cove Base and Mastic	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
1-56 <small>291909102-0056</small>	Office Hall - Gray Leveling Compound	Gray Fibrous Homogeneous	3% Cellulose	15% Quartz 40% Ca Carbonate 42% Non-fibrous (Other)	None Detected
1-57 <small>291909102-0057</small>	Office C - Gray Leveling Compound	Gray Fibrous Homogeneous	3% Cellulose	15% Quartz 45% Ca Carbonate 37% Non-fibrous (Other)	None Detected
1-58 <small>291909102-0058</small>	Office F - Gray Leveling Compound	Gray Fibrous Homogeneous	2% Cellulose	15% Quartz 40% Ca Carbonate 43% Non-fibrous (Other)	None Detected
1-59-Floor Tile <small>291909102-0059</small>	Office A - 12" x 12" Tan with Brown Dots Floor Tile and Mastic	Tan Fibrous Homogeneous		40% Ca Carbonate 57% Non-fibrous (Other)	3% Chrysotile
1-59-Mastic 1 <small>291909102-0059A</small>	Office A - 12" x 12" Tan with Brown Dots Floor Tile and Mastic	Black Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
1-59-Mastic 2 <small>291909102-0059B</small>	Office A - 12" x 12" Tan with Brown Dots Floor Tile and Mastic	Tan Fibrous Homogeneous	2% Cellulose 3% Synthetic	95% Non-fibrous (Other)	None Detected
1-60-Floor Tile <small>291909102-0060</small>	Office A - 12" x 12" Tan with Brown Dots Floor Tile and Mastic				Positive Stop (Not Analyzed)
1-60-Mastic 1 <small>291909102-0060A</small>	Office A - 12" x 12" Tan with Brown Dots Floor Tile and Mastic	Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
1-60-Mastic 2 <small>291909102-0060B</small>	Office A - 12" x 12" Tan with Brown Dots Floor Tile and Mastic	Tan Fibrous Homogeneous	2% Cellulose 3% Synthetic	95% Non-fibrous (Other)	None Detected
1-61-Floor Tile <small>291909102-0061</small>	Office A - 12" x 12" Tan with Brown Dots Floor Tile and Mastic				Positive Stop (Not Analyzed)
1-61-Mastic 1 <small>291909102-0061A</small>	Office A - 12" x 12" Tan with Brown Dots Floor Tile and Mastic	Black Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected

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1-61-Mastic 2 291909102-0061B	Office A - 12" x 12" Tan with Brown Dots Floor Tile and Mastic	Tan Fibrous Homogeneous	2% Cellulose 2% Synthetic	96% Non-fibrous (Other)	None Detected
1-62-Floor Tile 291909102-0062	East Office - 12" x 12" Beige with Tan Spotches Floor Tile and Mastic	Beige Fibrous Homogeneous	2% Cellulose	40% Ca Carbonate 58% Non-fibrous (Other)	<1% Chrysotile
1-62-Mastic 1 291909102-0062A	East Office - 12" x 12" Beige with Tan Spotches Floor Tile and Mastic	Black Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
1-62-Mastic 2 291909102-0062B	East Office - 12" x 12" Beige with Tan Spotches Floor Tile and Mastic	Tan Fibrous Homogeneous	2% Cellulose <1% Synthetic	98% Non-fibrous (Other)	None Detected
1-63-Floor Tile 291909102-0063	East Office - 12" x 12" Beige with Tan Spotches Floor Tile and Mastic	Gray/White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	<1% Chrysotile
1-63-Mastic 1 291909102-0063A	East Office - 12" x 12" Beige with Tan Spotches Floor Tile and Mastic				Positive Stop (Not Analyzed)
1-63-Mastic 2 291909102-0063B	East Office - 12" x 12" Beige with Tan Spotches Floor Tile and Mastic	Tan Fibrous Homogeneous	2% Cellulose <1% Synthetic	98% Non-fibrous (Other)	None Detected
1-64-Floor Tile 291909102-0064	Work Room - 12" x 12" Beige with Tan Spotches Floor Tile and Mastic	Tan/Beige Fibrous Homogeneous	2% Cellulose	40% Ca Carbonate 58% Non-fibrous (Other)	<1% Chrysotile
1-64-Mastic 1 291909102-0064A	Work Room - 12" x 12" Beige with Tan Spotches Floor Tile and Mastic				Positive Stop (Not Analyzed)
1-64-Mastic 2 291909102-0064B	Work Room - 12" x 12" Beige with Tan Spotches Floor Tile and Mastic	Tan Fibrous Homogeneous	2% Cellulose 2% Synthetic	96% Non-fibrous (Other)	None Detected
1-65 291909102-0065	Hall at Room 212 - 2' x 2' Ceiling Tile with Dots and Fissures	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
1-66 291909102-0066	Hall at Room 211 - 2' x 2' Ceiling Tile with Dots and Fissures	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
1-67 291909102-0067	Hall at Room 208 - 2' x 2' Ceiling Tile with Dots and Fissures	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
1-68-Floor Tile 291909102-0068	Hall at Room 209A - 12" x 12" Beige with Tan and White Spotches Floor Tile and Mastic	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
1-68-Mastic 291909102-0068A	Hall at Room 209A - 12" x 12" Beige with Tan and White Spotches Floor Tile and Mastic	Brown/Tan Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected

Initial report from: 09/06/2019 07:27:13



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2500 Gateway Centre Blvd., Suite 600 Morrisville, NC 27560

Tel/Fax: (919) 465-3900 / (919) 465-3950

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

EMSL Order: 291909102

Customer ID: TITA51

Customer PO: 70197439

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1-69-Floor Tile 291909102-0069	Hall at Room 209A - 12" x 12" Beige with Tan and White Splotches Floor Tile and Mastic	Gray/White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
1-69-Mastic 291909102-0069A	Hall at Room 209A - 12" x 12" Beige with Tan and White Splotches Floor Tile and Mastic	Tan Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
1-70-Floor Tile 291909102-0070	Hall at Room 209A - 12" x 12" Beige with Tan and White Splotches Floor Tile and Mastic	Tan/Beige Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
1-70-Mastic 291909102-0070A	Hall at Room 209A - 12" x 12" Beige with Tan and White Splotches Floor Tile and Mastic	Tan/Yellow Fibrous Homogeneous	2% Cellulose 2% Synthetic	96% Non-fibrous (Other)	None Detected
1-71-Ceramic Tile 291909102-0071	2nd Floor Boy's Restroom - Ceramic Tile Grout and Mortar	Red Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
1-71-Grout 291909102-0071A	2nd Floor Boy's Restroom - Ceramic Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
1-71-Mortar 291909102-0071B	2nd Floor Boy's Restroom - Ceramic Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		10% Quartz 30% Ca Carbonate 60% Non-fibrous (Other)	None Detected
1-72-Ceramic Tile 291909102-0072	2nd Floor Boy's Restroom - Ceramic Tile Grout and Mortar	Red Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
1-72-Grout 291909102-0072A	2nd Floor Boy's Restroom - Ceramic Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
1-72-Mortar 291909102-0072B	2nd Floor Boy's Restroom - Ceramic Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		10% Quartz 30% Ca Carbonate 60% Non-fibrous (Other)	None Detected
1-73-Ceramic Tile 291909102-0073	2nd Floor Boy's Restroom - Ceramic Tile Grout and Mortar	Red Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
1-73-Grout 291909102-0073A	2nd Floor Boy's Restroom - Ceramic Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
1-73-Mortar 291909102-0073B	2nd Floor Boy's Restroom - Ceramic Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		10% Quartz 30% Ca Carbonate 60% Non-fibrous (Other)	None Detected
1-74-Shingle 291909102-0074	West Canopy - Gray/Black Asphalt Shingles and Felt Paper	Gray/Black Fibrous Homogeneous	3% Cellulose 20% Glass	40% Ca Carbonate 37% Non-fibrous (Other)	None Detected
1-74-Felt Paper 291909102-0074A	West Canopy - Gray/Black Asphalt Shingles and Felt Paper	Brown/Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected

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

EMSL Order: 291909102

Customer ID: TITA51

Customer PO: 70197439

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1-75-Shingle 291909102-0075	West Canopy - Gray/Black Asphalt Shingles and Felt Paper	Gray/Black Fibrous Homogeneous	3% Cellulose 20% Glass	40% Ca Carbonate 37% Non-fibrous (Other)	None Detected
1-75-Felt Paper 291909102-0075A	West Canopy - Gray/Black Asphalt Shingles and Felt Paper	Brown/Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
1-76-Shingle 291909102-0076	West Canopy - Gray/Black Asphalt Shingles and Felt Paper	Gray/Black Fibrous Homogeneous	10% Glass	40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
1-76-Felt Paper 291909102-0076A	West Canopy - Gray/Black Asphalt Shingles and Felt Paper	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
1-77 291909102-0077	Boiler Room - Plaster - Boiler Room	Brown/Gray Non-Fibrous Homogeneous		20% Quartz 55% Ca Carbonate 25% Non-fibrous (Other)	None Detected
1-78 291909102-0078	Boiler Room - Plaster - Boiler Room	Brown/Gray Non-Fibrous Homogeneous		20% Quartz 55% Ca Carbonate 25% Non-fibrous (Other)	None Detected
1-79-Skim Coat 291909102-0079	Boiler Room - Plaster - Boiler Room	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
1-79-Base Coat 291909102-0079A	Boiler Room - Plaster - Boiler Room	Brown/Gray Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
1-80-Drywall 291909102-0080	Boiler Room - Drywall and Joint Compound - Boiler Room	Brown/Gray Fibrous Homogeneous	15% Cellulose 2% Glass	20% Ca Carbonate 30% Gypsum 33% Non-fibrous (Other)	None Detected
1-80-Joint Compound 291909102-0080A	Boiler Room - Drywall and Joint Compound - Boiler Room	White Fibrous Homogeneous	2% Cellulose	60% Ca Carbonate 36% Non-fibrous (Other)	2% Chrysotile
1-80-Composite 291909102-0080B	Boiler Room - Drywall and Joint Compound - Boiler Room	Brown/Gray/White Fibrous Homogeneous	10% Cellulose <1% Glass	20% Ca Carbonate 20% Gypsum 50% Non-fibrous (Other)	<1% Chrysotile
1-81-Drywall 291909102-0081	Boiler Room - Drywall and Joint Compound - Boiler Room	Brown/Gray Fibrous Homogeneous	15% Cellulose 2% Glass	20% Ca Carbonate 30% Gypsum 33% Non-fibrous (Other)	None Detected
1-81-Joint Compound 291909102-0081A	Boiler Room - Drywall and Joint Compound - Boiler Room	White Fibrous Homogeneous	2% Cellulose	60% Ca Carbonate 36% Non-fibrous (Other)	2% Chrysotile
1-81-Composite 291909102-0081B	Boiler Room - Drywall and Joint Compound - Boiler Room	Brown/Gray/White Fibrous Homogeneous	10% Cellulose <1% Glass	20% Ca Carbonate 20% Gypsum 50% Non-fibrous (Other)	<1% Chrysotile
1-82-Drywall 291909102-0082	Boiler Room - Drywall and Joint Compound - Boiler Room	Brown/Gray Fibrous Homogeneous	20% Cellulose 5% Glass	40% Gypsum 35% Non-fibrous (Other)	None Detected
1-82-Joint Compound 291909102-0082A	Boiler Room - Drywall and Joint Compound - Boiler Room	White Fibrous Homogeneous	2% Cellulose	60% Ca Carbonate 36% Non-fibrous (Other)	2% Chrysotile
1-82-Composite 291909102-0082B	Boiler Room - Drywall and Joint Compound - Boiler Room	Brown/Gray/White Fibrous Homogeneous	15% Cellulose 2% Glass	20% Ca Carbonate 30% Gypsum 33% Non-fibrous (Other)	<1% Chrysotile
1-83-TSI 291909102-0083	Boiler Room - Hard TSI Elbow	Gray Fibrous Homogeneous	60% Min. Wool	20% Ca Carbonate 20% Non-fibrous (Other)	None Detected

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<http://www.EMSL.com> / raleighlab@emsl.com

EMSL Order: 291909102
Customer ID: TITA51
Customer PO: 70197439
Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1-83-Wrap <small>291909102-0083A</small>	Boiler Room - Hard TSI Elbow	White Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
1-84-TSI <small>291909102-0084</small>	Boiler Room - Hard TSI Elbow	Gray Fibrous Homogeneous	60% Min. Wool	20% Ca Carbonate 20% Non-fibrous (Other)	None Detected
1-84-Wrap <small>291909102-0084A</small>	Boiler Room - Hard TSI Elbow	White Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
1-85 <small>291909102-0085</small> <i>Wrap not present in sample.</i>	Boiler Room - Hard TSI Elbow	Gray Fibrous Homogeneous	65% Min. Wool	20% Ca Carbonate 15% Non-fibrous (Other)	None Detected
1-86 <small>291909102-0086</small>	West Double Door - Red Exterior Door Caulk	Red Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
1-87 <small>291909102-0087</small>	West Double Door - Red Exterior Door Caulk	Red Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
1-88 <small>291909102-0088</small>	West Double Door - Red Exterior Door Caulk	Red Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
1-89-Mastic 1 <small>291909102-0089</small>	South 2nd Floor Canopy Roof - Black and Gray Roof Mastic	Black Fibrous Homogeneous		25% Ca Carbonate 70% Non-fibrous (Other)	5% Chrysotile
1-89-Mastic 2 <small>291909102-0089A</small>	South 2nd Floor Canopy Roof - Black and Gray Roof Mastic	Gray Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
1-90-Mastic 1 <small>291909102-0090</small>	South 2nd Floor Canopy Roof - Black and Gray Roof Mastic				Positive Stop (Not Analyzed)
1-90-Mastic 2 <small>291909102-0090A</small>	South 2nd Floor Canopy Roof - Black and Gray Roof Mastic	Gray Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
1-91-Mastic 1 <small>291909102-0091</small>	South 2nd Floor Canopy Roof - Black and Gray Roof Mastic				Positive Stop (Not Analyzed)
1-91-Mastic 2 <small>291909102-0091A</small>	South 2nd Floor Canopy Roof - Black and Gray Roof Mastic	Brown Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
1-92 <small>291909102-0092</small>	2nd Floor Canopy Roof - Silver Paint	Silver Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
1-93 <small>291909102-0093</small>	2nd Floor Canopy Roof - Silver Paint				Positive Stop (Not Analyzed)
1-94 <small>291909102-0094</small>	2nd Floor Canopy Roof - Silver Paint				Positive Stop (Not Analyzed)
1-95 <small>291909102-0095</small>	Main Roof South - White Roof Caulk	White Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
1-96 <small>291909102-0096</small>	Main Roof South - White Roof Caulk	White Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected

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EMSL Order: 291909102
 Customer ID: TITA51
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 Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1-97 <small>291909102-0097</small>	Main Roof South - White Roof Caulk	White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
1-98 <small>291909102-0098</small>	Main Roof South - Black Roof Caulk	Gray Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
1-99 <small>291909102-0099</small>	Main Roof South - Black Roof Caulk	Gray Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
1-100 <small>291909102-0100</small>	Main Roof South - Black Roof Caulk	Gray Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
1-101 <small>291909102-0101</small>	Main Roof North/South Parapet Wall - Black Roof Mastic on Brick	Black Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
1-102 <small>291909102-0102</small>	Main Roof North/South Parapet Wall - Black Roof Mastic on Brick				Positive Stop (Not Analyzed)
1-103 <small>291909102-0103</small>	Main Roof North/South Parapet Wall - Black Roof Mastic on Brick				Positive Stop (Not Analyzed)
1-104 <small>291909102-0104</small>	2nd Floor Canopy Roof - Built-up Roofing on Canopy	Black Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (Other)	None Detected
1-105 <small>291909102-0105</small>	2nd Floor Canopy Roof - Built-up Roofing on Canopy	Black Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (Other)	None Detected
1-106 <small>291909102-0106</small>	2nd Floor Canopy Roof - Built-up Roofing on Canopy	Black Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (Other)	None Detected
1-107 <small>291909102-0107</small>	Southwest Door - Exterior Caulk	Gray/White Fibrous Homogeneous		25% Ca Carbonate 73% Non-fibrous (Other)	2% Chrysotile
1-108 <small>291909102-0108</small>	South Window at South Door - Exterior Caulk				Positive Stop (Not Analyzed)
1-109 <small>291909102-0109</small>	Southwest Window - Exterior Caulk				Positive Stop (Not Analyzed)
1-110 <small>291909102-0110</small>	Southwest Window - Exterior Window Glazing	Gray/White Fibrous Homogeneous		25% Ca Carbonate 73% Non-fibrous (Other)	2% Chrysotile
1-111 <small>291909102-0111</small>	South Window at South Door - Exterior Window Glazing				Positive Stop (Not Analyzed)
1-112 <small>291909102-0112</small>	Northwest Window - Exterior Window Glazing				Positive Stop (Not Analyzed)

Initial report from: 09/06/2019 07:27:13



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<http://www.EMSL.com> / raleighlab@emsl.com

EMSL Order: 291909102

Customer ID: TITA51

Customer PO: 70197439

Project ID:

Analyst(s)

Joshua Moorman (53)

Kelly Gallisdorfer (59)

Roxsee Stover (56)

Billy Barnes, Asbestos Lab Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Morrisville, NC NVLAP Lab Code 200671-0, VA 3333 000278, WVA LT000296

Initial report from: 09/06/2019 07:27:13



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Phone/Fax: (919) 465-3900 / (919) 465-3950

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EMSL Order: 291909102

Customer ID: TITA51

Customer PO: 70197439

Project ID:

Attention: Alicia Coley
Terracon Consultants, Inc.
2401 Brentwood Road
Suite 107
Raleigh, NC 27604

Phone:

Fax: (919) 873-9555

Received: 09/04/2019 10:10 AM

Analysis Date: 09/25/2019 - 09/26/2019

Collected:

Project: 70197439 Erwin Elementary School Demolition Asbestos Survey, Building 1 / 2-Story Building, 301 S 10th Street, Erwin, NC

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy. Quantitation using 400 Point Count Procedure

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1-4-Composite 291909102-0004B	Hall at Room 110 - Drywall and Joint Compound	Brown/Gray/Beige Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.25% Chrysotile
1-5-Composite 291909102-0005B	Hall at Room 212 - Drywall and Joint Compound	Brown/Gray/Beige Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.25% Chrysotile
1-6-Composite 291909102-0006B	Hall at Room 211 - Drywall and Joint Compound	Brown/Gray/White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.25% Chrysotile
1-80-Composite 291909102-0080B	Boiler Room - Drywall and Joint Compound - Boiler Room	Brown/Gray/White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.25% Chrysotile
1-81-Composite 291909102-0081B	Boiler Room - Drywall and Joint Compound - Boiler Room	Brown/Gray/White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.25% Chrysotile
1-82-Composite 291909102-0082B	Boiler Room - Drywall and Joint Compound - Boiler Room	Brown/Gray/White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.25% Chrysotile

Analyst(s)

Billy Barnes (2)

Joshua Moorman (4)

Billy Barnes, Asbestos Lab Manager

or other approved signatory

Disclaimer: Some samples may contain asbestos fibers present in dimensions below PLM resolution limits. The limit of detection as stated in the method is 0.25%. EMSL Analytical Inc suggests that samples reported as <0.25% or none detected undergo additional analysis via TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval of EMSL Analytical Inc. This test report must not be used by the client to claim product endorsement by NVLAP or any agency of the United States Government. EMSL Analytical Inc., bears no responsibility for sample collection activities, analytical method limitations, or the accuracy of results when requested to separate layered samples. EMSL Analytical Inc., liability is limited to the cost of sample analysis. The test results contained within this report meet the requirements of NELAC unless otherwise noted. 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. Morrisville, NC NVLAP Lab Code 200671-0, VA 3333 000278, WVA LT000296

Initial report from: 09/26/2019 15:40:09

Client: Terracon Consultants, Inc. Test: PLM #Samples: 112
 Order: 291909102 Project: 70197439 Erwin Elementary School
 Disposition: *Discard after 10/4/2019* Demolition Asbestos Survey, Building 1 / 2-
 Star Building 204 S 10th Street, Erwin, NC

risville, NC 27560
 HONE: 919-465-3900
 FAX: 919-465-3950

Company Name : Terracon Consultants, Inc.		EMSL Customer ID:	
Street: 2401 Brentwood Road Suite 107		City: Raleigh	State/Province: NC
Zip/Postal Code: 27604	Country: US	Telephone #: 913-873-2211	Fax #: 919-873-9555
Report To (Name): Alicia Coley		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
Email Address: ancoley & trey.turner@terracon.com		Purchase Order:	
Project Name/Number: 70197439		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken: NC		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

EMSL-Bill to: Same Different - If Bill to is Different note instructions in Comments**
 Third Party Billing requires written authorization from third party

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.

PCM - Air <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA	TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part <input type="checkbox"/> 763 NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312	TEM- Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)
PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NYS 198.8 SOF-V <input type="checkbox"/> NIOSH 9002 (<1%)	TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5	Soil/Rock/Vermiculite <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<1%) <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.25%) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM Qualitative via Filtration Prep <input type="checkbox"/> TEM Qualitative via Drop Mount Prep <input type="checkbox"/> Cincinnati Method EPA 600/R-04/004 - PLM/TEM (BC only)
TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking		Other: <input type="checkbox"/>

Check For Positive Stop - Clearly Identify Homogenous Group Filter Pore Size (Air Samples): 0.8µm 0.45µm

Samplers Name: Alicia Coley / Trey Turner Samplers Signature: *Alicia Coley*

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1-1 → 1-112	See attached COC		8/28, 30/19

Client Sample # (s): - Total # of Samples: ~~96~~ 112
 Relinquished (Client): *Alicia Coley* Date: 9/3/19 Time: 1400
 Received (Lab): *h* Date: 9/4/19 Time: 10:10
 Comments/Special Instructions:

FE 795728325345

Terracon		Contact:	Alicia Coley					
2401 Brentwood Road Suite 107		Phone #:	919.873.2211					
Raleigh, NC 27604		Email Results to:	ancoley@terracon.com; trey.turner@terracon.com					
Analysis: PLM		TAT:	1 Day	2 Days	3 Days	4 Days	5 Days	Other
Project Name:		Erwin Elementary School Demolition Asbestos Survey						
Project Number:		70197439	Building Number:		Building 1 / 2-Story Building			
Building Classification:		Address: 301 S. 10th Street, Erwin, NC						
HA	Sample #	Location	Description				Notes	
1	1-1	Room 110	Black Felt Paper under Hardwood Flooring				First Positive Stop	
1	1-2	Room 110	Black Felt Paper under Hardwood Flooring				↓	
1	1-3	Room 110	Black Felt Paper under Hardwood Flooring				↓	
2	1-4	Hall at Room 110	Drywall and Joint Compound					
2	1-5	Hall at Room 212	Drywall and Joint Compound					
2	1-6	Hall at Room 211	Drywall and Joint Compound					
2	1-7	Auditorium	Drywall and Joint Compound					
2	1-8	Auditorium	Drywall and Joint Compound					
3	1-9	Room 110	Plaster with Drywall Lathe					
3	1-10	Hall at Room 212	Plaster with Drywall Lathe					
3	1-11	Room 212	Plaster with Drywall Lathe					
3	1-12	Room 211	Plaster with Drywall Lathe					
3	1-13	Room 213	Plaster with Drywall Lathe					
3	1-14	Room 109	Plaster with Drywall Lathe					
3	1-15	Room 112	Plaster with Drywall Lathe					
4	1-16	Room 110	Black Sink Mastic				First Positive Stop	
4	1-17	Room 110	Black Sink Mastic				↓	
4	1-18	Room 110	Black Sink Mastic				↓	
5	1-19	Room 109	Silver Paint on Radiators				First Positive Stop	
5	1-20	Room 106	Silver Paint on Radiators				↓	
5	1-21	Room 211	Silver Paint on Radiators				↓	
6	1-22	Hall at Room 110	Brittle Red Fire Caulk				First Positive Stop	
6	1-23	Hall at Room 110	Brittle Red Fire Caulk				↓	
6	1-24	Hall at Room 110	Brittle Red Fire Caulk				↓	
7	1-25	Hall at Room 110	Dark Red Fire Caulk				First Positive Stop	
7	1-26	Room 209A	Dark Red Fire Caulk				↓	
7	1-27	Room 209A	Dark Red Fire Caulk				↓	
8	1-28	Room 102	Textured Plaster					
8	1-29	1st Floor Hall at Auditorium	Textured Plaster					
8	1-30	Room 106	Textured Plaster					
8	1-31	Room 108	Textured Plaster					
8	1-32	Room 207	Textured Plaster					
8	1-33	Upper Auditorium West Back Room	Textured Plaster					
8	1-34	Hall at Room 203	Textured Plaster					
9	1-35	1st Floor Boy's Restroom	Beige FRP Adhesive				First Positive Stop	
9	1-36	1st Floor Girl's Restroom	Beige FRP Adhesive				↓	
9	1-37	1st Floor Boy's Restroom	Beige FRP Adhesive				↓	
10	1-38	1st Floor East Auditorium Dressing Room	Black Waterproofing				First Positive Stop	
10	1-39	1st Floor East Auditorium Dressing Room	Black Waterproofing				↓	
10	1-40	1st Floor East Auditorium Dressing Room	Black Waterproofing				↓	
11	1-41	Office F	12" x 12" Tri-tan Floor Tile and Mastic				First Positive Stop	
11	1-42	Office F	12" x 12" Tri-tan Floor Tile and Mastic				↓	
11	1-43	Office F	12" x 12" Tri-tan Floor Tile and Mastic				↓	
12	1-44	Office F Restroom	12" x 12" Tri-light Gray Floor Tile and Mastic				First Positive Stop	
12	1-45	Office F Restroom	12" x 12" Tri-light Gray Floor Tile and Mastic				↓	
12	1-46	Office F Restroom	12" x 12" Tri-light Gray Floor Tile and Mastic				↓	
13	1-47	Office F Restroom	4" Black Cove Base and Mastic				First Positive Stop	
13	1-48	Office F Restroom	4" Black Cove Base and Mastic				↓	
13	1-49	Office F Restroom	4" Black Cove Base and Mastic				↓	
14	1-50	Hall at Office F	9" x 9" Tan Floor Tile and Mastic				First Positive Stop	
14	1-51	Office C	9" x 9" Tan Floor Tile and Mastic				↓	
14	1-52	Office E	9" x 9" Tan Floor Tile and Mastic				↓	
15	1-53	Office A	4" Blue Cove Base and Mastic				First Positive Stop	
15	1-54	Reception	4" Blue Cove Base and Mastic				↓	

Terracon Consultants, Inc.
70197439 Erwin Elementary School Demolition Asbestos
9/4/2019 10:10 TAT: 1 Week

Order ID: 291909102
No Samples: 112
Due: 09/11 10:10 AM

Terracon		Contact:		Alicia Coley	
2401 Brentwood Road Suite 107		Phone #:		919.873.2211	
Raleigh, NC 27604		Email Results to:		ancoley@terracon.com; trey.turner@terracon.com	
Analysis: PLM		TAT:		1 Day 2 Days 3 Days 4 Days 5 Days Other	
Project Name:		Erwin Elementary School Demolition Asbestos Survey			
Project Number:		70197439		Building Number:	
				Building 1 / 2-Story Building	
Building Classification:		Address:		301 S. 10th Street, Erwin, NC	
HA	Sample #	Location	Description	Notes	
15	1-55	Reception	4" Blue Cove Base and Mastic	↓	
16	1-56	Office Hall	Gray Leveling Compound	First Positive Stop	
16	1-57	Office C	Gray Leveling Compound	↓	
16	1-58	Office F	Gray Leveling Compound	↓	
17	1-59	Office A	12" x 12" Tan with Brown Dots Floor Tile and Mastic	First Positive Stop	
17	1-60	Office A	12" x 12" Tan with Brown Dots Floor Tile and Mastic	↓	
17	1-61	Office A	12" x 12" Tan with Brown Dots Floor Tile and Mastic	↓	
18	1-62	East Office	12" x 12" Beige with Tan Splotches Floor Tile and Mastic	First Positive Stop	
18	1-63	East Office	12" x 12" Beige with Tan Splotches Floor Tile and Mastic	↓	
18	1-64	Work Room	12" x 12" Beige with Tan Splotches Floor Tile and Mastic	↓	
19	1-65	Hall at Room 212	2' x 2' Ceiling Tile with Dots and Fissures	First Positive Stop	
19	1-66	Hall at Room 211	2' x 2' Ceiling Tile with Dots and Fissures	↓	
19	1-67	Hall at Room 208	2' x 2' Ceiling Tile with Dots and Fissures	↓	
20	1-68	Hall at Room 209A	12" x 12" Beige with Tan and White Splotches Floor Tile and Mastic	First Positive Stop	
20	1-69	Hall at Room 209A	12" x 12" Beige with Tan and White Splotches Floor Tile and Mastic	↓	
20	1-70	Hall at Room 209A	12" x 12" Beige with Tan and White Splotches Floor Tile and Mastic	↓	
21	1-71	2nd Floor Boy's Restroom	Ceramic Tile Grout and Mortar	First Positive Stop	
21	1-72	2nd Floor Boy's Restroom	Ceramic Tile Grout and Mortar	↓	
21	1-73	2nd Floor Boy's Restroom	Ceramic Tile Grout and Mortar	↓	
22	1-74	West Canopy	Gray/Black Asphalt Shingles and Felt Paper	First Positive Stop	
22	1-75	West Canopy	Gray/Black Asphalt Shingles and Felt Paper	↓	
22	1-76	West Canopy	Gray/Black Asphalt Shingles and Felt Paper	↓	
23	1-77	Boiler Room	Plaster - Boiler Room	First Positive Stop	
23	1-78	Boiler Room	Plaster - Boiler Room	↓	
23	1-79	Boiler Room	Plaster - Boiler Room	↓	
24	1-80	Boiler Room	Drywall and Joint Compound - Boiler Room	First Positive Stop	
24	1-81	Boiler Room	Drywall and Joint Compound - Boiler Room	↓	
24	1-82	Boiler Room	Drywall and Joint Compound - Boiler Room	↓	
25	1-83	Boiler Room	Hard TSI Elbow	First Positive Stop	
25	1-84	Boiler Room	Hard TSI Elbow	↓	
25	1-85	Boiler Room	Hard TSI Elbow	↓	
26	1-86	West Double Door	Red Exterior Door Caulk	First Positive Stop	
26	1-87	West Double Door	Red Exterior Door Caulk	↓	
26	1-88	West Double Door	Red Exterior Door Caulk	↓	
27	1-89	South 2nd Floor Canopy Roof	Black and Gray Roof Mastic	First Positive Stop	
27	1-90	South 2nd Floor Canopy Roof	Black and Gray Roof Mastic	↓	
27	1-91	South 2nd Floor Canopy Roof	Black and Gray Roof Mastic	↓	
28	1-92	2nd Floor Canopy Roof	Silver Paint	First Positive Stop	
28	1-93	2nd Floor Canopy Roof	Silver Paint	↓	
28	1-94	2nd Floor Canopy Roof	Silver Paint	↓	
29	1-95	Main Roof South	White Roof Caulk	First Positive Stop	
29	1-96	Main Roof South	White Roof Caulk	↓	
29	1-97	Main Roof South	White Roof Caulk	↓	
30	1-98	Main Roof South	Black Roof Caulk	First Positive Stop	
30	1-99	Main Roof South	Black Roof Caulk	↓	
30	1-100	Main Roof South	Black Roof Caulk	↓	
31	1-101	Main Roof North/South Parapet Wall	Black Roof Mastic on Brick	First Positive Stop	
31	1-102	Main Roof North/South Parapet Wall	Black Roof Mastic on Brick	↓	
31	1-103	Main Roof North/South Parapet Wall	Black Roof Mastic on Brick	↓	
32	1-104	2nd Floor Canopy Roof	Built-up Roofing on Canopy	First Positive Stop	
32	1-105	2nd Floor Canopy Roof	Built-up Roofing on Canopy	↓	
32	1-106	2nd Floor Canopy Roof	Built-up Roofing on Canopy	↓	
33	1-107	Southwest Door	Exterior Caulk	First Positive Stop	
33	1-108	South Window at South Door	Exterior Caulk	↓	
33	1-109	Southwest Window	Exterior Caulk	↓	

Terracon Consultants, Inc.
70197439 Erwin Elementary School Demolition Asbestos
9/4/2019 10:10 TAT: 1 Week
PLM Risk

Order ID: 291909102
No Samples: 112
Due: 09/11 10:10 AM
Fax: 919-873-9555

Terracon		Contact: Alicia Coley		
2401 Brentwood Road Suite 107		Phone #: 919.873.2211		
Raleigh, NC 27604		Email Results to: ancoley@terracon.com; troy.turner@terracon.com		
Analysis: PLM		TAT: 1 Day 2 Days 3 Days 4 Days 5 Days Other		
Project Name: Erwin Elementary School Demolition Asbestos Survey				
Project Number: 70197439		Building Number: Building 1 / 2-Story Building		
		Address: 301 S. 10th Street, Erwin, NC		
Building Classification:				
HA	Sample #	Location	Description	Notes
34	1-110	Southwest Window	Exterior Window Glazing	First Positive Stop
34	1-111	South Window at South Door	Exterior Window Glazing	↓
34	1-112	Northwest Window	Exterior Window Glazing	↓

Terracon Consultants, Inc.

70197439 Erwin Elementary School Demolition Asbestos
 9/4/2019 10:10
 PLM

TAT: 1 Week
 Bulk

Order ID: 291909102**No Samples:** 112**Due:** 09/11 10:10 AM**Fax:** 919-873-9555



EMSL Analytical, Inc.

2500 Gateway Centre Blvd., Suite 600 Morrisville, NC 27560

Tel/Fax: (919) 465-3900 / (919) 465-3950

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

EMSL Order: 291909097

Customer ID: TITA51

Customer PO: 70197439

Project ID:

Attention: Alicia Coley
Terracon Consultants, Inc.
2401 Brentwood Road
Suite 107
Raleigh, NC 27604

Phone:

Fax: (919) 873-9555

Received Date: 09/04/2019 10:05 AM

Analysis Date: 09/06/2019

Collected Date:

Project: 70197439 Erwin Elementary School Demolition Asbestos Survey, Gym Building, 301 S 10th Street, Erwin, NC

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

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
Gym-1 291909097-0001	West Roof - White Roof Caulk at Brick	White Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
Gym-2 291909097-0002	West Roof - White Roof Caulk at Brick	White Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
Gym-3 291909097-0003	West Roof - White Roof Caulk at Brick	White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Gym-4 291909097-0004	West Roof - White Roof Caulk at Penetrations	White Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
Gym-5 291909097-0005	West Roof - White Roof Caulk at Penetrations	White Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
Gym-6 291909097-0006	West Roof - White Roof Caulk at Penetrations	White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Gym-7 291909097-0007	East Roof - Gray Wrap on Roof-Mounted HVAC Unit	Gray/Blue Fibrous Homogeneous	20% Synthetic	30% Ca Carbonate 50% Non-fibrous (Other)	None Detected
Gym-8 291909097-0008	East Roof - Gray Wrap on Roof-Mounted HVAC Unit	Blue Fibrous Homogeneous	20% Synthetic	30% Ca Carbonate 50% Non-fibrous (Other)	None Detected
Gym-9 291909097-0009	East Roof - Gray Wrap on Roof-Mounted HVAC Unit	Blue/Green Fibrous Homogeneous	45% Synthetic	20% Ca Carbonate 35% Non-fibrous (Other)	None Detected
Gym-10 291909097-0010	East Roof Deck - Lightweight Concrete	Brown/Gray Fibrous Homogeneous	20% Cellulose	20% Ca Carbonate 30% Gypsum 30% Non-fibrous (Other)	None Detected
Gym-11 291909097-0011	East Roof Deck - Lightweight Concrete	Brown/Gray Fibrous Homogeneous	20% Cellulose	20% Ca Carbonate 30% Gypsum 30% Non-fibrous (Other)	None Detected
Gym-12 291909097-0012	Gym Roof Deck - Lightweight Concrete	Brown/Gray Fibrous Homogeneous	10% Cellulose	20% Ca Carbonate 30% Gypsum 40% Non-fibrous (Other)	None Detected
Gym-13 291909097-0013	East Roof at Chimney - White Caulk at Lightning Rod Mount	White Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
Gym-14 291909097-0014	East Roof at Chimney - White Caulk at Lightning Rod Mount	White Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
Gym-15 291909097-0015	East Roof at Chimney - White Caulk at Lightning Rod Mount	White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected

Initial report from: 09/09/2019 07:28:58



EMSL Analytical, Inc.

2500 Gateway Centre Blvd., Suite 600 Morrisville, NC 27560

Tel/Fax: (919) 465-3900 / (919) 465-3950

<http://www.EMSL.com> / raleighlab@emsl.com

EMSL Order: 291909097

Customer ID: TITA51

Customer PO: 70197439

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
Gym-16 291909097-0016	Southeast Roof - Black Roof Caulk	Black Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
Gym-17 291909097-0017	Southeast Roof - Black Roof Caulk	Black Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
Gym-18 291909097-0018	Southeast Roof - Black Roof Caulk	Black Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Gym-19-Skim Coat 291909097-0019	East Roof - North at Canopy - Textured Exterior Soffit	White Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
Gym-19-Base Coat 291909097-0019A	East Roof - North at Canopy - Textured Exterior Soffit	Tan Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
Gym-20-Skim Coat 291909097-0020	East at Lawnmower Storage Room - Textured Exterior Soffit	White Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
Gym-20-Base Coat 291909097-0020A	East at Lawnmower Storage Room - Textured Exterior Soffit	Tan Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
Gym-21-Skim Coat 291909097-0021	East at Boiler Room - Textured Exterior Soffit	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
Gym-21-Base Coat 291909097-0021A	East at Boiler Room - Textured Exterior Soffit	Gray Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
Gym-22 291909097-0022	Northeast Storage Room - Textured Ceiling Plaster	Gray Non-Fibrous Homogeneous	<1% Cellulose	40% Ca Carbonate 30% Gypsum 30% Non-fibrous (Other)	None Detected
Gym-23 291909097-0023	Northeast Storage Room - Textured Ceiling Plaster	Gray Non-Fibrous Homogeneous	<1% Cellulose	40% Ca Carbonate 30% Gypsum 30% Non-fibrous (Other)	None Detected
Gym-24 291909097-0024	Lawnmower Storage Room - Textured Ceiling Plaster	Gray Non-Fibrous Homogeneous		55% Ca Carbonate 20% Gypsum 25% Non-fibrous (Other)	None Detected
Gym-25 291909097-0025	Lawnmower Storage Room - Textured Ceiling Plaster	Gray Non-Fibrous Homogeneous		55% Ca Carbonate 20% Gypsum 25% Non-fibrous (Other)	None Detected
Gym-22A 291909097-0026	Boiler Room - Textured Ceiling Plaster	Gray Non-Fibrous Homogeneous	<1% Cellulose	40% Ca Carbonate 30% Gypsum 30% Non-fibrous (Other)	None Detected
Gym-26 291909097-0027	Northeast Door - White Exterior Door Caulk	Gray/White Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
Gym-27 291909097-0028	South Door to Gym - White Exterior Door Caulk	Gray/White Fibrous Homogeneous		25% Ca Carbonate 73% Non-fibrous (Other)	2% Chrysotile
Gym-28 291909097-0029	Northeast Door to Storage Room - White Exterior Door Caulk				Positive Stop (Not Analyzed)
Gym-29 291909097-0030	Roll-up Door - Beige Exterior Door Caulk	Gray/Tan Fibrous Homogeneous		20% Ca Carbonate 77% Non-fibrous (Other)	3% Chrysotile

Initial report from: 09/09/2019 07:28:58



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2500 Gateway Centre Blvd., Suite 600 Morrisville, NC 27560

Tel/Fax: (919) 465-3900 / (919) 465-3950

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

EMSL Order: 291909097

Customer ID: TITA51

Customer PO: 70197439

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
Gym-30 291909097-0031	Roll-up Door - Beige Exterior Door Caulk				Positive Stop (Not Analyzed)
Gym-31 291909097-0032	North Door - Beige Exterior Door Caulk				Positive Stop (Not Analyzed)
Gym-32 291909097-0033	Southeast Window - White Exterior Window Glazing	Gray Fibrous Homogeneous		20% Ca Carbonate 78% Non-fibrous (Other)	2% Chrysotile
Gym-33 291909097-0034	Southeast Window - White Exterior Window Glazing				Positive Stop (Not Analyzed)
Gym-34 291909097-0035	East Window - White Exterior Window Glazing				Positive Stop (Not Analyzed)
Gym-35-Roofing 1 291909097-0036	Southwest Roof - Built-up Roofing under Black Membrane	Black Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (Other)	None Detected
Gym-35-Roofing 2 291909097-0036A	Southwest Roof - Built-up Roofing under Black Membrane	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
Gym-35-Membrane 291909097-0036B	Southwest Roof - Built-up Roofing under Black Membrane	Black Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
Gym-36-Roofing 1 291909097-0037	Southwest Roof - Built-up Roofing under Black Membrane	Black Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (Other)	None Detected
Gym-36-Roofing 2 291909097-0037A	Southwest Roof - Built-up Roofing under Black Membrane	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
Gym-36-Membrane 291909097-0037B	Southwest Roof - Built-up Roofing under Black Membrane	Black Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
Gym-37-Roofing 1 291909097-0038	Southwest Roof - Built-up Roofing under Black Membrane	Black Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (Other)	None Detected
Gym-37-Roofing 2 291909097-0038A	Southwest Roof - Built-up Roofing under Black Membrane	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
Gym-37-Membrane 291909097-0038B	Southwest Roof - Built-up Roofing under Black Membrane	Black Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
Gym-38-Floor Tile 291909097-0039	Lobby - 9" x 9" Black with White Streaks Floor Tile and Mastic	Black Fibrous Homogeneous		40% Ca Carbonate 57% Non-fibrous (Other)	3% Chrysotile
Gym-38-Mastic 291909097-0039A	Lobby - 9" x 9" Black with White Streaks Floor Tile and Mastic	Black Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile

Initial report from: 09/09/2019 07:28:58



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Tel/Fax: (919) 465-3900 / (919) 465-3950

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

EMSL Order: 291909097
Customer ID: TITA51
Customer PO: 70197439
Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
Gym-39 291909097-0040	Lobby - 9" x 9" Black with White Streaks Floor Tile and Mastic				Positive Stop (Not Analyzed)
Gym-40 291909097-0041	Lobby - 9" x 9" Black with White Streaks Floor Tile and Mastic				Positive Stop (Not Analyzed)
Gym-41-Floor Tile 291909097-0042	South Entry - 12" x 12" Off-white with Brown and White Specks Floor Tile and Mastic	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	<1% Chrysotile
Gym-41-Mastic 291909097-0042A	South Entry - 12" x 12" Off-white with Brown and White Specks Floor Tile and Mastic	Black Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
Gym-42-Floor Tile 291909097-0043	South Entry - 12" x 12" Off-white with Brown and White Specks Floor Tile and Mastic	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	<1% Chrysotile
Gym-42-Mastic 291909097-0043A	South Entry - 12" x 12" Off-white with Brown and White Specks Floor Tile and Mastic				Positive Stop (Not Analyzed)
Gym-43-Floor Tile 291909097-0044	South Entry - 12" x 12" Off-white with Brown and White Specks Floor Tile and Mastic	Brown/White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	<1% Chrysotile
Gym-43-Mastic 291909097-0044A	South Entry - 12" x 12" Off-white with Brown and White Specks Floor Tile and Mastic				Positive Stop (Not Analyzed)
Gym-44-Grout 291909097-0045	Boy's Restroom - Ceramic Floor Tile Grout and Mortar	White Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
Gym-44-Mortar 291909097-0045A	Boy's Restroom - Ceramic Floor Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
Gym-45-Grout 291909097-0046	Boy's Restroom - Ceramic Floor Tile Grout and Mortar	White Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
Gym-45-Mortar 291909097-0046A	Boy's Restroom - Ceramic Floor Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
Gym-46-Grout 291909097-0047A	Boy's Restroom - Ceramic Floor Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
Gym-46-Mortar 291909097-0047B	Boy's Restroom - Ceramic Floor Tile Grout and Mortar	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
Gym-47-Grout 291909097-0048	Girl's Restroom - Ceramic Wall Tile Grout and Mortar	White Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected

Initial report from: 09/09/2019 07:28:58



EMSL Analytical, Inc.

2500 Gateway Centre Blvd., Suite 600 Morrisville, NC 27560

Tel/Fax: (919) 465-3900 / (919) 465-3950

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

EMSL Order: 291909097
 Customer ID: TITA51
 Customer PO: 70197439
 Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
Gym-47-Mortar 291909097-0048A	Girl's Restroom - Ceramic Wall Tile Grout and Mortar	Gray Non-Fibrous Homogeneous	<1% Cellulose	60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
Gym-48-Grout 291909097-0049	Girl's Restroom - Ceramic Wall Tile Grout and Mortar	White Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
Gym-48-Mortar 291909097-0049A	Girl's Restroom - Ceramic Wall Tile Grout and Mortar	Gray Non-Fibrous Homogeneous	<1% Cellulose	60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
Gym-49-Grout 291909097-0050	Girl's Restroom - Ceramic Wall Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
Gym-49-Mortar 291909097-0050A	Girl's Restroom - Ceramic Wall Tile Grout and Mortar	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
Gym-50 291909097-0051	Girl's Restroom - 2' x 2' White Ceiling Tile with Dots	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
Gym-51 291909097-0052	Girl's Restroom - 2' x 2' White Ceiling Tile with Dots	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
Gym-52 291909097-0053	Boy's Restroom - 2' x 2' White Ceiling Tile with Dots	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
Gym-53-Floor Tile 291909097-0054	South Entry - 12" x 12" Pink with White Specks Floor Tile and Mastic	White/Pink Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	<1% Chrysotile
Gym-53-Mastic 291909097-0054A	South Entry - 12" x 12" Pink with White Specks Floor Tile and Mastic	Brown/Black Fibrous Homogeneous		10% Quartz 10% Ca Carbonate 77% Non-fibrous (Other)	3% Chrysotile
Gym-54-Floor Tile 291909097-0055	South Entry - 12" x 12" Pink with White Specks Floor Tile and Mastic	White/Pink Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	<1% Chrysotile
Gym-54-Mastic 291909097-0055A	South Entry - 12" x 12" Pink with White Specks Floor Tile and Mastic				Positive Stop (Not Analyzed)
Gym-55-Floor Tile 291909097-0056	South Entry - 12" x 12" Pink with White Specks Floor Tile and Mastic	Gray Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	<1% Chrysotile
Gym-55-Mastic 291909097-0056A	South Entry - 12" x 12" Pink with White Specks Floor Tile and Mastic				Positive Stop (Not Analyzed)
Gym-56 291909097-0057	Girl's Restroom - CMU Block Filler	Various/Green/Beige Non-Fibrous Homogeneous		10% Quartz 20% Ca Carbonate 70% Non-fibrous (Other)	None Detected
Gym-57 291909097-0058	Lobby - CMU Block Filler	Various/Green/Beige Non-Fibrous Homogeneous		10% Quartz 20% Ca Carbonate 70% Non-fibrous (Other)	None Detected

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EMSL Order: 291909097
 Customer ID: TITA51
 Customer PO: 70197439
 Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
Gym-58 <small>291909097-0059</small>	Gym North Wall - CMU Block Filler	Various/Green/Beige Non-Fibrous Homogeneous		10% Quartz 20% Ca Carbonate 70% Non-fibrous (Other)	None Detected
Gym-59 <small>291909097-0060</small>	Gym South Wall - CMU Block Filler	Various/Green/Beige Non-Fibrous Homogeneous		10% Quartz 20% Ca Carbonate 70% Non-fibrous (Other)	None Detected
Gym-60 <small>291909097-0061</small>	Gym West Wall - CMU Block Filler	Brown/Gray Non-Fibrous Homogeneous		10% Quartz 25% Ca Carbonate 65% Non-fibrous (Other)	None Detected
Gym-61 <small>291909097-0062</small>	South Entry - CMU Block Filler	Gray/Tan Non-Fibrous Homogeneous		10% Quartz 30% Ca Carbonate 60% Non-fibrous (Other)	None Detected
Gym-62 <small>291909097-0063</small>	Boy's Locker Room (Room 606) - CMU Block Filler	Gray/Tan Non-Fibrous Homogeneous		10% Quartz 20% Ca Carbonate 70% Non-fibrous (Other)	None Detected
Gym-63-Floor Tile <small>291909097-0064</small>	North Lobby - 12" x 12" Light Gray with Gray and White Specks Floor Tile and Mastic	Gray/White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	<1% Chrysotile
Gym-63-Mastic <small>291909097-0064A</small>	North Lobby - 12" x 12" Light Gray with Gray and White Specks Floor Tile and Mastic	Black Fibrous Homogeneous		5% Quartz 10% Ca Carbonate 82% Non-fibrous (Other)	3% Chrysotile
Gym-64-Floor Tile <small>291909097-0065</small>	At Girl's Locker Room - 12" x 12" Light Gray with Gray and White Specks Floor Tile and Mastic	Gray/White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	<1% Chrysotile
Gym-64-Mastic <small>291909097-0065A</small>	At Girl's Locker Room - 12" x 12" Light Gray with Gray and White Specks Floor Tile and Mastic				Positive Stop (Not Analyzed)
Gym-65-Floor Tile <small>291909097-0066</small>	At Boy's Locker Room - 12" x 12" Light Gray with Gray and White Specks Floor Tile and Mastic	Gray Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	<1% Chrysotile
Gym-65-Mastic <small>291909097-0066A</small>	At Boy's Locker Room - 12" x 12" Light Gray with Gray and White Specks Floor Tile and Mastic				Positive Stop (Not Analyzed)
Gym-66 <small>291909097-0067</small>	Gym - Black Felt Paper under Hardwood Flooring	Brown/Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
Gym-67 <small>291909097-0068</small>	Gym - Black Felt Paper under Hardwood Flooring	Brown/Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
Gym-68 <small>291909097-0069</small>	Gym - Black Felt Paper under Hardwood Flooring	Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected

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EMSL Order: 291909097
Customer ID: TITA51
Customer PO: 70197439
Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
Gym-69 291909097-0070	Boy's Locker Room (Room 606) - 2' x 2' White Drywall Ceiling Tile	Brown/Gray Fibrous Homogeneous	15% Cellulose 3% Glass	20% Ca Carbonate 30% Gypsum 32% Non-fibrous (Other)	None Detected
Gym-70 291909097-0071	Boy's Locker Room (Room 606) - 2' x 2' White Drywall Ceiling Tile	Brown/Gray Fibrous Homogeneous	8% Cellulose 3% Glass	20% Ca Carbonate 30% Gypsum 39% Non-fibrous (Other)	None Detected
Gym-71 291909097-0072	Boy's Locker Room (Room 606) - 2' x 2' White Drywall Ceiling Tile	Brown/Gray Fibrous Homogeneous	20% Cellulose 3% Glass	40% Gypsum 37% Non-fibrous (Other)	None Detected
Gym-72 291909097-0073	Gym South Wall - Beige FRP Adhesive	Beige Fibrous Homogeneous	2% Cellulose	10% Ca Carbonate 88% Non-fibrous (Other)	None Detected
Gym-73 291909097-0074	Gym South Wall - Beige FRP Adhesive	Beige Fibrous Homogeneous	2% Cellulose	10% Ca Carbonate 88% Non-fibrous (Other)	None Detected
Gym-74 291909097-0075	Gym South Wall - Beige FRP Adhesive	Beige Fibrous Homogeneous	2% Cellulose	10% Ca Carbonate 88% Non-fibrous (Other)	None Detected
Gym-75 291909097-0076	Gym North Wall - Interior Window Caulk	Brown/Gray/White Fibrous Homogeneous	2% Wollastonite 2% Fibrous (Other)	30% Ca Carbonate 61% Non-fibrous (Other)	5% Chrysotile
Gym-76 291909097-0077	Gym North Wall - Interior Window Caulk				Positive Stop (Not Analyzed)
Gym-77 291909097-0078	Gym North Wall - Interior Window Caulk				Positive Stop (Not Analyzed)
Gym-78-TSI 291909097-0079	Gym at West Wall - Hard TSI Elbow with Canvas Wrap	Gray Fibrous Homogeneous	60% Min. Wool	20% Ca Carbonate 20% Non-fibrous (Other)	None Detected
Gym-78-Wrap 291909097-0079A	Gym at West Wall - Hard TSI Elbow with Canvas Wrap	White Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
Gym-79-TSI 291909097-0080	Gym Northeast - Hard TSI Elbow with Canvas Wrap	Gray Fibrous Homogeneous	60% Min. Wool	20% Ca Carbonate 20% Non-fibrous (Other)	None Detected
Gym-79-Wrap 291909097-0080A	Gym Northeast - Hard TSI Elbow with Canvas Wrap	White Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
Gym-80-TSI 291909097-0081	At Girl's Locker Room - Hard TSI Elbow with Canvas Wrap	Gray Fibrous Homogeneous	60% Min. Wool	20% Ca Carbonate 20% Non-fibrous (Other)	None Detected
Gym-80-Wrap 291909097-0081A	At Girl's Locker Room - Hard TSI Elbow with Canvas Wrap	White Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (Other)	None Detected
Gym-81-Coating 291909097-0082	Gym Roof North - White Coating over Silver Paint over Built-up Roofing	White Fibrous Homogeneous	20% Synthetic	25% Ca Carbonate 55% Non-fibrous (Other)	None Detected
Gym-81-Roofing 291909097-0082B	Gym Roof North - White Coating over Silver Paint over Built-up Roofing	Black Fibrous Homogeneous	30% Cellulose 10% Glass	60% Non-fibrous (Other)	None Detected

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EMSL Order: 291909097
Customer ID: TITA51
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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
Gym-82-Coating 291909097-0083	Gym Roof Northwest - White Coating over Silver Paint over Built-up Roofing	White Fibrous Homogeneous	20% Synthetic	25% Ca Carbonate 55% Non-fibrous (Other)	None Detected
Gym-82-Roofing 291909097-0083B	Gym Roof Northwest - White Coating over Silver Paint over Built-up Roofing	Black Fibrous Homogeneous	30% Cellulose 10% Glass	60% Non-fibrous (Other)	None Detected
Gym-83-Roofing 291909097-0084A	Gym Roof Northwest - White Coating over Silver Paint over Built-up Roofing	Black Fibrous Homogeneous	30% Cellulose 10% Glass	60% Non-fibrous (Other)	None Detected
Gym-83-Coating 291909097-0084B	Gym Roof Northwest - White Coating over Silver Paint over Built-up Roofing	White Fibrous Homogeneous	30% Synthetic	10% Ca Carbonate 60% Non-fibrous (Other)	None Detected
Gym-84 291909097-0085	Gym Roof North - Black Roof Mastic	Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
Gym-85 291909097-0086	Gym Roof Northwest - Black Roof Mastic	Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
Gym-86 291909097-0087	Gym Roof Northwest - Black Roof Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s) _____

Joshua Moorman (50)

Roxsee Stover (53)

Billy Barnes, Asbestos Lab Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Morrisville, NC NVLAP Lab Code 200671-0, VA 3333 000278, WVA LT000296

Initial report from: 09/09/2019 07:28:58

Terracon Consultants, Inc.
70197439 Erwin Elementary School Demolition Asbestos
9/4/2019 10:5
PLM

Order ID: 291909097
No Samples: 87
Due: 09/11 10:05 AM
Fax: 919-873-9555

orrisville, NC 27560
PHONE: 919-465-3900
FAX: 919-465-3950

Company Name : Terracon Consultants, Inc.		EMSL Customer ID:	
Street: 2401 Brentwood Road Suite 107		City: Raleigh	State/Province: NC
Zip/Postal Code: 27604	Country: US	Telephone #: 913-873-2211	Fax #: 919-873-9555
Report To (Name): Alicia Coley		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
Email Address: ancoley & trey.turner@terracon.com		Purchase Order:	
Project Name/Number: 70197439		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken: NC		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

EMSL-Bill to: Same Different - If Bill to is Different note instructions in Comments**
Third Party Billing requires written authorization from third party

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.

<p>PCM - Air <input type="checkbox"/> Check if samples are from NY</p> <p><input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA</p> <p>PLM - Bulk (reporting limit)</p> <p><input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%)</p> <p>Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)</p> <p>Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)</p> <p><input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NYS 198.8 SOF-V <input type="checkbox"/> NIOSH 9002 (<1%)</p>	<p>TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only)</p> <p><input type="checkbox"/> AHERA 40 CFR, Part <input type="checkbox"/> 763 NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312</p> <p>TEM - Bulk</p> <p><input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5</p> <p>TEM - Water: EPA 100.2</p> <p>Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking</p>	<p>TEM- Dust</p> <p><input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)</p> <p>Soil/Rock/Vermiculite</p> <p><input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<1%) <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.25%) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM Qualitative via Filtration Prep <input type="checkbox"/> TEM Qualitative via Drop Mount Prep <input type="checkbox"/> Cincinnati Method EPA 600/R-04/004 - PLM/TEM (BC only)</p> <p>Other: <input type="checkbox"/></p>
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Check For Positive Stop - Clearly Identify Homogenous Group Filter Pore Size (Air Samples): 0.8µm 0.45µm

Samplers Name: Alicia Coley / Trey Turner Samplers Signature: *Alicia Coley*

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
Gym-1 → Gym-46	See attached COC		8/28, 30/19

Client Sample # (s): - Total # of Samples: ~~86~~ 87

Relinquished (Client): *Alicia Coley* Date: 9/3/19 Time: 1400

Received (Lab): *[Signature]* Date: 9/3/19 Time: 12:05

Comments/Special Instructions:

FE795728325345

9/4/2019 10:5

TAT: 1 Week

Due: 09/11 10:05 AM

PLM

Bulk

Fax: 919-873-9555

Terracon		Contact:	Alicia Coley					
2401 Brentwood Road Suite 107		Phone #:	919.873.2211					
Raleigh, NC 27604		Email Results to:	ancoley@terracon.com; tray.turner@terracon.com					
Analysis: PLM		TAT:	1 Day	2 Days	3 Days	4 Days	5 Days	Other
Project Name:		Erwin Elementary School Demolition Asbestos Survey						
Project Number:		70197439	Building Number:		Gym Building			
Building Classification:		Address:		301 S. 10th Street, Erwin, NC				
HA	Sample #	Location	Description				Notes	
1	Gym-1	West Roof	White Roof Caulk at Brick				First Positive Stop	
1	Gym-2	West Roof	White Roof Caulk at Brick				↓	
1	Gym-3	West Roof	White Roof Caulk at Brick				↓	
2	Gym-4	West Roof	White Roof Caulk at Penetrations				First Positive Stop	
2	Gym-5	West Roof	White Roof Caulk at Penetrations				↓	
2	Gym-6	West Roof	White Roof Caulk at Penetrations				↓	
3	Gym-7	East Roof	Gray Wrap on Roof-Mounted HVAC Unit				First Positive Stop	
3	Gym-8	East Roof	Gray Wrap on Roof-Mounted HVAC Unit				↓	
3	Gym-9	East Roof	Gray Wrap on Roof-Mounted HVAC Unit				↓	
4	Gym-10	East Roof Deck	Lightweight Concrete				First Positive Stop	
4	Gym-11	East Roof Deck	Lightweight Concrete				↓	
4	Gym-12	Gym Roof Deck	Lightweight Concrete				↓	
5	Gym-13	East Roof at Chimney	White Caulk at Lightning Rod Mount				First Positive Stop	
5	Gym-14	East Roof at Chimney	White Caulk at Lightning Rod Mount				↓	
5	Gym-15	East Roof at Chimney	White Caulk at Lightning Rod Mount				↓	
6	Gym-16	Southeast Roof	Black Roof Caulk				First Positive Stop	
6	Gym-17	Southeast Roof	Black Roof Caulk				↓	
6	Gym-18	Southeast Roof	Black Roof Caulk				↓	
7	Gym-19	East Roof - North at Canopy	Textured Exterior Soffit				First Positive Stop	
7	Gym-20	East at Lawnmower Storage Room	Textured Exterior Soffit				↓	
7	Gym-21	East at Boiler Room	Textured Exterior Soffit				↓	
8	Gym-22	Northeast Storage Room	Textured Ceiling Plaster					
8	Gym-23	Northeast Storage Room	Textured Ceiling Plaster					
8	Gym-24	Lawnmower Storage Room	Textured Ceiling Plaster					
8	Gym-25	Lawnmower Storage Room	Textured Ceiling Plaster					
8	Gym-22A	Boiler Room	Textured Ceiling Plaster					
9	Gym-26	Northeast Door	White Exterior Door Caulk				First Positive Stop	
9	Gym-27	South Door to Gym	White Exterior Door Caulk				↓	
9	Gym-28	Northeast Door to Storage Room	White Exterior Door Caulk				↓	
10	Gym-29	Roll-up Door	Beige Exterior Door Caulk				First Positive Stop	
10	Gym-30	Roll-up Door	Beige Exterior Door Caulk				↓	
10	Gym-31	North Door	Beige Exterior Door Caulk				↓	
11	Gym-32	Southeast Window	White Exterior Window Glazing				First Positive Stop	
11	Gym-33	Southeast Window	White Exterior Window Glazing				↓	
11	Gym-34	East Window	White Exterior Window Glazing				↓	
12	Gym-35	Southwest Roof	Built-up Roofing under Black Membrane				First Positive Stop	
12	Gym-36	Southwest Roof	Built-up Roofing under Black Membrane				↓	
12	Gym-37	Southwest Roof	Built-up Roofing under Black Membrane				↓	
13	Gym-38	Lobby	9" x 9" Black with White Streaks Floor Tile and Mastic				First Positive Stop	
13	Gym-39	Lobby	9" x 9" Black with White Streaks Floor Tile and Mastic				↓	
13	Gym-40	Lobby	9" x 9" Black with White Streaks Floor Tile and Mastic				↓	
14	Gym-41	South Entry	12" x 12" Off-white with Brown and White Specks Floor Tile and Mastic				First Positive Stop	
14	Gym-42	South Entry	12" x 12" Off-white with Brown and White Specks Floor Tile and Mastic				↓	
14	Gym-43	South Entry	12" x 12" Off-white with Brown and White Specks Floor Tile and Mastic				↓	
15	Gym-44	Boy's Restroom	Ceramic Floor Tile Grout and Mortar				First Positive Stop	
15	Gym-45	Boy's Restroom	Ceramic Floor Tile Grout and Mortar				↓	
15	Gym-46	Boy's Restroom	Ceramic Floor Tile Grout and Mortar				↓	
16	Gym-47	Girl's Restroom	Ceramic Wall Tile Grout and Mortar				First Positive Stop	
16	Gym-48	Girl's Restroom	Ceramic Wall Tile Grout and Mortar				↓	
16	Gym-49	Girl's Restroom	Ceramic Wall Tile Grout and Mortar				↓	
17	Gym-50	Girl's Restroom	2' x 2' White Ceiling Tile with Dots				First Positive Stop	
17	Gym-51	Girl's Restroom	2' x 2' White Ceiling Tile with Dots				↓	
17	Gym-52	Boy's Restroom	2' x 2' White Ceiling Tile with Dots				↓	
18	Gym-53	South Entry	12" x 12" Pink with White Specks Floor Tile and Mastic				First Positive Stop	
18	Gym-54	South Entry	12" x 12" Pink with White Specks Floor Tile and Mastic				↓	

Terracon		Contact:	Alicia Coley		
2401 Brentwood Road Suite 107		Phone #:	919.873.2211		
Raleigh, NC 27604		Email Results to:	ancoley@terracon.com; troy.turner@terracon.com		
Analysis: PLM		TAT:	1 Day	2 Days	3 Days
			4 Days	5 Days	Other
Project Name:		Erwin Elementary School Demolition Asbestos Survey			
Project Number:		70197439	Building Number:	Gym Building	
			Address:	301 S. 10th Street, Erwin, NC	
Building Classification:					
HA	Sample #	Location	Description	Notes	
18	Gym-55	South Entry	12" x 12" Pink with White Specks Floor Tile and Mastic	↓	
19	Gym-56	Girl's Restroom	CMU Block Filler	First Positive Stop	
19	Gym-57	Lobby	CMU Block Filler	↓	
19	Gym-58	Gym North Wall	CMU Block Filler	↓	
19	Gym-59	Gym South Wall	CMU Block Filler	↓	
19	Gym-60	Gym West Wall	CMU Block Filler	↓	
19	Gym-61	South Entry	CMU Block Filler	↓	
19	Gym-62	Boy's Locker Room (Room 606)	CMU Block Filler	↓	
20	Gym-63	North Lobby	12" x 12" Light Gray with Gray and White Specks Floor Tile and Mastic	First Positive Stop	
20	Gym-64	At Girl's Locker Room	12" x 12" Light Gray with Gray and White Specks Floor Tile and Mastic	↓	
20	Gym-65	At Boy's Locker Room	12" x 12" Light Gray with Gray and White Specks Floor Tile and Mastic	↓	
21	Gym-66	Gym	Black Felt Paper under Hardwood Flooring	First Positive Stop	
21	Gym-67	Gym	Black Felt Paper under Hardwood Flooring	↓	
21	Gym-68	Gym	Black Felt Paper under Hardwood Flooring	↓	
22	Gym-69	Boy's Locker Room (Room 606)	2' x 2' White Drywall Ceiling Tile	First Positive Stop	
22	Gym-70	Boy's Locker Room (Room 606)	2' x 2' White Drywall Ceiling Tile	↓	
22	Gym-71	Boy's Locker Room (Room 606)	2' x 2' White Drywall Ceiling Tile	↓	
23	Gym-72	Gym South Wall	Beige FRP Adhesive	First Positive Stop	
23	Gym-73	Gym South Wall	Beige FRP Adhesive	↓	
23	Gym-74	Gym South Wall	Beige FRP Adhesive	↓	
24	Gym-75	Gym North Wall	Interior Window Caulk	First Positive Stop	
24	Gym-76	Gym North Wall	Interior Window Caulk	↓	
24	Gym-77	Gym North Wall	Interior Window Caulk	↓	
25	Gym-78	Gym at West Wall	Hard TSI Elbow with Canvas Wrap	First Positive Stop	
25	Gym-79	Gym Northeast	Hard TSI Elbow with Canvas Wrap	↓	
25	Gym-80	At Girl's Locker Room	Hard TSI Elbow with Canvas Wrap	↓	
26	Gym-81	Gym Roof North	White Coating over Silver Paint over Built-up Roofing	First Positive Stop	
26	Gym-82	Gym Roof Northwest	White Coating over Silver Paint over Built-up Roofing	↓	
26	Gym-83	Gym Roof Northwest	White Coating over Silver Paint over Built-up Roofing	↓	
27	Gym-84	Gym Roof North	Black Roof Mastic	First Positive Stop	
27	Gym-85	Gym Roof Northwest	Black Roof Mastic	↓	
27	Gym-86	Gym Roof Northwest	Black Roof Mastic	↓	



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2500 Gateway Centre Blvd., Suite 600 Morrisville, NC 27560

Tel/Fax: (919) 465-3900 / (919) 465-3950

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

EMSL Order: 291909105

Customer ID: TITA51

Customer PO: 70197439

Project ID:

Attention: Alicia Coley
Terracon Consultants, Inc.
2401 Brentwood Road
Suite 107
Raleigh, NC 27604

Phone:
Fax: (919) 873-9555

Received Date: 09/04/2019 10:10 AM

Analysis Date: 09/05/2019 - 09/18/2019

Collected Date:

Project: 70197439 Erwin Elementary School Demolition Asbestos Survey, Building 3/Cafeteria, 301 S. 10th Street, Erwin, NC

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
3-1 291909105-0001	East Roof - White Caulk at Gutters	White Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
3-2 291909105-0002	East Roof - White Caulk at Gutters	White Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
3-3 291909105-0003	East Roof - White Caulk at Gutters	White Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
3-4 291909105-0004	East Roof - White Caulk at Roof Penetrations	White Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
3-5 291909105-0005	East Roof - White Caulk at Roof Penetrations	White Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
3-6 291909105-0006	East Roof - White Caulk at Roof Penetrations	White Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
3-7-Shingle 291909105-0007	East - Black Shingles and Felt Paper	Gray/Black Fibrous Homogeneous	3% Cellulose 20% Glass	40% Ca Carbonate 37% Non-fibrous (Other)	None Detected
3-7-Felt Paper 291909105-0007A	East - Black Shingles and Felt Paper	Brown/Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
3-8-Shingle 291909105-0008	East - Black Shingles and Felt Paper	Gray/Black Fibrous Homogeneous	3% Cellulose 20% Glass	40% Ca Carbonate 37% Non-fibrous (Other)	None Detected
3-8-Felt Paper 291909105-0008A	East - Black Shingles and Felt Paper	Brown/Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
3-9-Shingle 291909105-0009	West - Black Shingles and Felt Paper	Gray/Black Fibrous Homogeneous	3% Cellulose 20% Glass	25% Ca Carbonate 52% Non-fibrous (Other)	None Detected
3-9-Felt Paper 291909105-0009A	West - Black Shingles and Felt Paper	Black Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected
3-10 291909105-0010	East Roof West Penetration - Black Roof Mastic	Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
3-11 291909105-0011	East Roof West Penetration - Black Roof Mastic	Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
3-12 291909105-0012	East Roof West Penetration - Black Roof Mastic	Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
3-13 291909105-0013	West Roof at Brick Wall - Black Roof Caulk	Black Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected

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<http://www.EMSL.com> / raleighlab@emsl.com

EMSL Order: 291909105
 Customer ID: TITA51
 Customer PO: 70197439
 Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
3-14 <i>291909105-0014</i>	West Roof at Brick Wall - Black Roof Caulk	Black Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
3-15 <i>291909105-0015</i>	West Roof at Brick Wall - Black Roof Caulk	Black Non-Fibrous Homogeneous		52% Ca Carbonate 48% Non-fibrous (Other)	None Detected
3-16-Mastic <i>291909105-0016</i>	West Roof - White Mastic on EPDM over Built-up Roofing	White Fibrous Homogeneous	10% Synthetic	25% Ca Carbonate 65% Non-fibrous (Other)	None Detected
3-16-EPDM <i>291909105-0016A</i>	West Roof - White Mastic on EPDM over Built-up Roofing	Black Fibrous Homogeneous	2% Cellulose	25% Ca Carbonate 73% Non-fibrous (Other)	None Detected
3-16-Roofing <i>291909105-0016B</i>	West Roof - White Mastic on EPDM over Built-up Roofing	Brown/Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
3-17-Mastic <i>291909105-0017</i>	West Roof - White Mastic on EPDM over Built-up Roofing	White Fibrous Homogeneous	10% Synthetic	25% Ca Carbonate 65% Non-fibrous (Other)	None Detected
3-17-EPDM <i>291909105-0017A</i>	West Roof - White Mastic on EPDM over Built-up Roofing	Black Fibrous Homogeneous	2% Cellulose	25% Ca Carbonate 73% Non-fibrous (Other)	None Detected
3-17-Roofing <i>291909105-0017B</i>	West Roof - White Mastic on EPDM over Built-up Roofing	Brown/Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
3-18-Mastic <i>291909105-0018</i>	West Roof - White Mastic on EPDM over Built-up Roofing	White Fibrous Homogeneous	10% Synthetic	25% Ca Carbonate 65% Non-fibrous (Other)	None Detected
3-18-EPDM <i>291909105-0018A</i>	West Roof - White Mastic on EPDM over Built-up Roofing	Black Fibrous Homogeneous	5% Cellulose	25% Ca Carbonate 70% Non-fibrous (Other)	None Detected
3-18-Roofing <i>291909105-0018B</i>	West Roof - White Mastic on EPDM over Built-up Roofing	Brown/Black Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected
3-19 <i>291909105-0019</i> <i>Inseparable paint & flashing</i>	West Roof - Silver Paint and Black Flashing	Black/Silver Fibrous Homogeneous	2% Cellulose	25% Ca Carbonate 71% Non-fibrous (Other)	2% Chrysotile
3-20 <i>291909105-0020</i>	West Roof - Silver Paint and Black Flashing				Positive Stop (Not Analyzed)
3-21 <i>291909105-0021</i>	West Roof - Silver Paint and Black Flashing				Positive Stop (Not Analyzed)
3-22 <i>291909105-0022</i>	Cafeteria - 2' x 2' White Ceiling Tile with Dots and Pits	White/Beige Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
3-23 <i>291909105-0023</i>	Cafeteria - 2' x 2' White Ceiling Tile with Dots and Pits	White/Beige Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
3-24 <i>291909105-0024</i>	Cafeteria - 2' x 2' White Ceiling Tile with Dots and Pits	Gray/Tan/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
3-25-Cove Base <i>291909105-0025</i>	Cafeteria - 4" Black Cove Base and Mastic	Black Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected

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2500 Gateway Centre Blvd., Suite 600 Morrisville, NC 27560

Tel/Fax: (919) 465-3900 / (919) 465-3950

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

EMSL Order: 291909105
 Customer ID: TITA51
 Customer PO: 70197439
 Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
3-25-Mastic 291909105-0025A	Cafeteria - 4" Black Cove Base and Mastic	Beige Fibrous Homogeneous	2% Cellulose	10% Ca Carbonate 88% Non-fibrous (Other)	None Detected
3-26-Cove Base 291909105-0026	Cafeteria - 4" Black Cove Base and Mastic	Black Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
3-26-Mastic 291909105-0026A	Cafeteria - 4" Black Cove Base and Mastic	Beige Fibrous Homogeneous	2% Cellulose	10% Ca Carbonate 88% Non-fibrous (Other)	None Detected
3-27-Cove Base 291909105-0027	Dry Storage - 4" Black Cove Base and Mastic	Black Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
3-27-Mastic 291909105-0027A	Dry Storage - 4" Black Cove Base and Mastic	White Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
3-28-Cove Base 291909105-0028	Cafeteria - 6" Black Cove Base and Mastic	Black Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
3-28-Mastic 291909105-0028A	Cafeteria - 6" Black Cove Base and Mastic	Tan Fibrous Homogeneous	2% Cellulose <1% Synthetic	10% Ca Carbonate 88% Non-fibrous (Other)	None Detected
3-29-Cove Base 291909105-0029	Cafeteria - 6" Black Cove Base and Mastic	Black Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
3-29-Mastic 291909105-0029A	Cafeteria - 6" Black Cove Base and Mastic	Tan Fibrous Homogeneous	2% Cellulose <1% Synthetic	10% Ca Carbonate 88% Non-fibrous (Other)	None Detected
3-30-Cove Base 291909105-0030	Cafeteria - 6" Black Cove Base and Mastic	Black Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
3-30-Mastic 291909105-0030A	Cafeteria - 6" Black Cove Base and Mastic	White Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
3-31-Skim Coat 291909105-0031	Girl's Restroom - Plaster	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
3-31-Base Coat 291909105-0031A	Girl's Restroom - Plaster	Gray Non-Fibrous Homogeneous		10% Quartz 60% Ca Carbonate 30% Non-fibrous (Other)	None Detected
3-32-Skim Coat 291909105-0032	Lounge - Plaster	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
3-32-Base Coat 291909105-0032A	Lounge - Plaster	Gray Non-Fibrous Homogeneous		10% Quartz 60% Ca Carbonate 30% Non-fibrous (Other)	None Detected
3-33-Skim Coat 291909105-0033	Lounge - Plaster	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
3-33-Base Coat 291909105-0033A	Lounge - Plaster	Gray Non-Fibrous Homogeneous		10% Quartz 60% Ca Carbonate 30% Non-fibrous (Other)	None Detected
3-34-Skim Coat 291909105-0034	Boy's Restroom - Plaster	White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
3-34-Base Coat 291909105-0034A	Boy's Restroom - Plaster	Gray Non-Fibrous Homogeneous		55% Quartz 25% Ca Carbonate 20% Non-fibrous (Other)	None Detected

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 Customer ID: TITA51
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 Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
3-35-Skim Coat <small>291909105-0035</small>	Serving Area - Plaster	White Non-Fibrous Homogeneous		75% Ca Carbonate 25% Non-fibrous (Other)	None Detected
3-35-Base Coat <small>291909105-0035A</small>	Serving Area - Plaster	Gray Non-Fibrous Homogeneous		10% Quartz 25% Ca Carbonate 65% Non-fibrous (Other)	None Detected
3-36-Cove Base <small>291909105-0036</small>	Cafeteria - 6" Brown Cove Base and Mastic	Black Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
3-36-Mastic <small>291909105-0036A</small>	Cafeteria - 6" Brown Cove Base and Mastic	Brown Fibrous Homogeneous	2% Wollastonite 2% Fibrous (Other)	96% Non-fibrous (Other)	None Detected
3-37-Cove Base <small>291909105-0037</small>	Cafeteria - 6" Brown Cove Base and Mastic	Black Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
3-37-Mastic <small>291909105-0037A</small>	Cafeteria - 6" Brown Cove Base and Mastic	Brown Fibrous Homogeneous	2% Wollastonite 2% Fibrous (Other)	96% Non-fibrous (Other)	None Detected
3-38-Cove Base <small>291909105-0038</small>	Cafeteria - 6" Brown Cove Base and Mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3-38-Mastic <small>291909105-0038A</small>	Cafeteria - 6" Brown Cove Base and Mastic	Brown Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
3-40-Floor Tile <small>291909105-0039</small>	Lounge - 12" x 12" Tri-beige Floor Tile and Mastic	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
3-40-Mastic <small>291909105-0039A</small>	Lounge - 12" x 12" Tri-beige Floor Tile and Mastic	Black Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
3-41-Floor Tile <small>291909105-0040</small>	Lounge - 12" x 12" Tri-beige Floor Tile and Mastic	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3-41-Mastic <small>291909105-0040A</small>	Lounge - 12" x 12" Tri-beige Floor Tile and Mastic				Positive Stop (Not Analyzed)
3-42-Floor Tile <small>291909105-0041</small>	Lounge - 12" x 12" Tri-beige Floor Tile and Mastic	White Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
3-42-Mastic <small>291909105-0041A</small>	Lounge - 12" x 12" Tri-beige Floor Tile and Mastic				Positive Stop (Not Analyzed)
3-43 <small>291909105-0042</small>	Electrical Room - Textured Coating on CMU and Brick Walls	Gray/Tan Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
3-44 <small>291909105-0043</small>	Electrical Room - Textured Coating on CMU and Brick Walls	Gray/Tan Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
3-45 <small>291909105-0044</small>	Storage Room - Textured Coating on CMU and Brick Walls <i>This HA sample group is not homogeneous</i>	Gray/Tan Fibrous Homogeneous		20% Ca Carbonate 77% Non-fibrous (Other)	3% Chrysotile
3-46 <small>291909105-0045</small>	Storage Room - Textured Coating on CMU and Brick Walls	Gray/Tan Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
3-47 291909105-0046	Storage Room - Textured Coating on CMU and Brick Walls	Gray/Tan Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
3-48-Floor Tile 1 291909105-0047	Storage Room - Checkered 12" x 12" Beige with Brown Specks/Green Floor Tile and Mastic	Brown Fibrous Homogeneous		40% Ca Carbonate 58% Non-fibrous (Other)	2% Chrysotile
3-48-Mastic 1 291909105-0047A	Storage Room - Checkered 12" x 12" Beige with Brown Specks/Green Floor Tile and Mastic	Black Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
3-48-Floor Tile 2 291909105-0047B	Storage Room - Checkered 12" x 12" Beige with Brown Specks/Green Floor Tile and Mastic	White Fibrous Homogeneous		40% Ca Carbonate 58% Non-fibrous (Other)	2% Chrysotile
3-48-Mastic 2 291909105-0047C	Storage Room - Checkered 12" x 12" Beige with Brown Specks/Green Floor Tile and Mastic	Black Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
3-49 291909105-0048	Storage Room - Checkered 12" x 12" Beige with Brown Specks/Green Floor Tile and Mastic				Positive Stop (Not Analyzed)
3-50 291909105-0049	Storage Room - Checkered 12" x 12" Beige with Brown Specks/Green Floor Tile and Mastic				Positive Stop (Not Analyzed)
3-51 291909105-0050	Electrical Room - Black Mastic on Foil-backed Paper over Fiberglass Pipe Insulation	Black Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
3-52 291909105-0051	Electrical Room - Black Mastic on Foil-backed Paper over Fiberglass Pipe Insulation	Black Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
3-53 291909105-0052	Electrical Room - Black Mastic on Foil-backed Paper over Fiberglass Pipe Insulation	Black Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
3-54 291909105-0053	Electrical Room - Red Brittle Fire Caulk	Gray/Red Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
3-55 291909105-0054	Electrical Room - Red Brittle Fire Caulk	Gray/Red Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
3-56 291909105-0055	Electrical Room - Red Brittle Fire Caulk	Red Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
3-57 291909105-0056	Electrical Room - Dark Red Fire Caulk	Red Fibrous Homogeneous	2% Cellulose 10% Glass	88% Non-fibrous (Other)	None Detected
3-58 291909105-0057	Electrical Room - Dark Red Fire Caulk	Red Fibrous Homogeneous	2% Cellulose 10% Glass	88% Non-fibrous (Other)	None Detected
3-59 291909105-0058	Electrical Room - Dark Red Fire Caulk	Red Fibrous Homogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
3-60 291909105-0059	Cafeteria - Beige FRP Adhesive	Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
3-61 291909105-0060	Cafeteria - Beige FRP Adhesive	Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
3-62 291909105-0061	Cafeteria - Beige FRP Adhesive	Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
3-63 291909105-0062	Chemical Storage - 2' x 4' White Ceiling Tile with Dots and Fissures	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
3-64 291909105-0063	Chemical Storage - 2' x 4' White Ceiling Tile with Dots and Fissures	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
3-65 291909105-0064	Chemical Storage - 2' x 4' White Ceiling Tile with Dots and Fissures	Gray/Tan/White Fibrous Homogeneous	35% Cellulose 45% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected
3-66 291909105-0065	Kitchen - Tan Glue behind Plastic Panel	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3-67 291909105-0066	Kitchen - Tan Glue behind Plastic Panel	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3-68 291909105-0067	Kitchen - Tan Glue behind Plastic Panel	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3-69-Grout 291909105-0068	Boy's Restroom - Green Ceramic Wall Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
3-69-Mortar 291909105-0068A	Boy's Restroom - Green Ceramic Wall Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
3-70-Grout 291909105-0069	Boy's Restroom - Green Ceramic Wall Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
3-70-Mortar 291909105-0069A	Boy's Restroom - Green Ceramic Wall Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
3-71-Grout 291909105-0070	Boy's Restroom - Green Ceramic Wall Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		30% Quartz 25% Ca Carbonate 45% Non-fibrous (Other)	None Detected
3-71-Mortar 291909105-0070A	Boy's Restroom - Green Ceramic Wall Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		30% Quartz 25% Ca Carbonate 45% Non-fibrous (Other)	None Detected

Initial report from: 09/09/2019 07:26:17



EMSL Analytical, Inc.

2500 Gateway Centre Blvd., Suite 600 Morrisville, NC 27560

Tel/Fax: (919) 465-3900 / (919) 465-3950

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

EMSL Order: 291909105

Customer ID: TITA51

Customer PO: 70197439

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
3-72-Grout 291909105-0071	Boy's Restroom - Brown Ceramic Wall Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
3-72-Mortar 291909105-0071A	Boy's Restroom - Brown Ceramic Wall Tile Grout and Mortar	Gray/White Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
3-73-Grout 291909105-0072	Boy's Restroom - Brown Ceramic Wall Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
3-73-Mortar 291909105-0072A	Boy's Restroom - Brown Ceramic Wall Tile Grout and Mortar	Gray/White Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
3-74-Grout 291909105-0073	Boy's Restroom - Brown Ceramic Wall Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		10% Quartz 25% Ca Carbonate 65% Non-fibrous (Other)	None Detected
3-74-Mortar 291909105-0073A	Boy's Restroom - Brown Ceramic Wall Tile Grout and Mortar	Gray/White Non-Fibrous Homogeneous		10% Quartz 25% Ca Carbonate 65% Non-fibrous (Other)	None Detected
3-75-Grout 291909105-0074A	Girl's Restroom - Ceramic Floor Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
3-75-Mortar 291909105-0074B	Girl's Restroom - Ceramic Floor Tile Grout and Mortar	Tan Non-Fibrous Homogeneous		15% Quartz 30% Ca Carbonate 55% Non-fibrous (Other)	None Detected
3-76-Grout 291909105-0075A	Girl's Restroom - Ceramic Floor Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
3-76-Mortar 291909105-0075B	Girl's Restroom - Ceramic Floor Tile Grout and Mortar	Tan Non-Fibrous Homogeneous		15% Quartz 30% Ca Carbonate 55% Non-fibrous (Other)	None Detected
3-77-Grout 291909105-0076A	Girl's Restroom - Ceramic Floor Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
3-77-Mortar 291909105-0076B	Girl's Restroom - Ceramic Floor Tile Grout and Mortar	Tan Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
3-78 291909105-0077	Chemical Storage - CMU Block Filler	White/Various/Beige Non-Fibrous Homogeneous		10% Quartz 30% Ca Carbonate 60% Non-fibrous (Other)	<1% Chrysotile
3-79 291909105-0078	Office - CMU Block Filler	White/Various/Beige Non-Fibrous Homogeneous		10% Quartz 30% Ca Carbonate 60% Non-fibrous (Other)	None Detected
3-80 291909105-0079	Dry Storage - CMU Block Filler	White/Various/Beige Non-Fibrous Homogeneous	<1% Cellulose	10% Quartz 20% Ca Carbonate 70% Non-fibrous (Other)	None Detected
3-81 291909105-0080	Wall Separating Kitchen and Dining - CMU Block Filler	Gray/White Non-Fibrous Homogeneous	<1% Cellulose	20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
3-82 291909105-0081	Wall Separating Kitchen and Dining - CMU Block Filler	Gray/White Non-Fibrous Homogeneous		10% Quartz 20% Ca Carbonate 70% Non-fibrous (Other)	None Detected
3-83-Floor Tile 291909105-0082	By Staff Restroom - 12" x 12" Off-white with Brown Specks Floor Tile and Mastic	Brown/White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected

Initial report from: 09/09/2019 07:26:17



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

EMSL Order: 291909105
Customer ID: TITA51
Customer PO: 70197439
Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
3-83-Mastic 291909105-0082A	By Staff Restroom - 12" x 12" Off-white with Brown Specks Floor Tile and Mastic	Orange Fibrous Homogeneous	2% Cellulose	10% Ca Carbonate 88% Non-fibrous (Other)	None Detected
3-84-Floor Tile 291909105-0083	Back Entry - 12" x 12" Off-white with Brown Specks Floor Tile and Mastic	Brown/White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
3-84-Mastic 291909105-0083A	Back Entry - 12" x 12" Off-white with Brown Specks Floor Tile and Mastic	Orange Fibrous Homogeneous	2% Cellulose	10% Ca Carbonate 88% Non-fibrous (Other)	None Detected
3-84-Leveler 291909105-0083B	Back Entry - 12" x 12" Off-white with Brown Specks Floor Tile and Mastic	Gray Non-Fibrous Homogeneous		15% Quartz 30% Ca Carbonate 55% Non-fibrous (Other)	None Detected
3-85-Floor Tile 291909105-0084	Dry Storage - 12" x 12" Off-white with Brown Specks Floor Tile and Mastic	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
3-85-Mastic 291909105-0084A	Dry Storage - 12" x 12" Off-white with Brown Specks Floor Tile and Mastic	Tan Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
3-86 291909105-0085	South - Exterior Window Caulk at Brick	Gray/Tan/White Fibrous Homogeneous	2% Wollastonite 2% Fibrous (Other)	20% Ca Carbonate 5% Mica 71% Non-fibrous (Other)	None Detected
3-87 291909105-0086	Northwest - Exterior Window Caulk at Brick	Gray/Tan/White Fibrous Homogeneous	2% Wollastonite <1% Fibrous (Other)	20% Ca Carbonate 5% Mica 73% Non-fibrous (Other)	None Detected
3-88 291909105-0087	Northeast - Exterior Window Caulk at Brick	Gray/White Fibrous Homogeneous	2% Wollastonite <1% Fibrous (Other)	20% Ca Carbonate 78% Non-fibrous (Other)	None Detected
3-89 291909105-0088	Northeast - Exterior Window Glazing	Gray/White Fibrous Homogeneous	2% Wollastonite	40% Ca Carbonate 15% Mica 41% Non-fibrous (Other)	2% Chrysotile
3-90 291909105-0089	Southeast - Exterior Window Glazing				Positive Stop (Not Analyzed)
3-91 291909105-0090	East - Exterior Window Glazing				Positive Stop (Not Analyzed)
3-92 291909105-0091	Cafeteria South - Interior Window Glazing	Gray/White Fibrous Homogeneous	2% Wollastonite	40% Ca Carbonate 10% Mica 46% Non-fibrous (Other)	2% Chrysotile
3-93 291909105-0092	Cafeteria Southeast - Interior Window Glazing				Positive Stop (Not Analyzed)
3-94 291909105-0093	Cafeteria Northwest - Interior Window Glazing				Positive Stop (Not Analyzed)
3-95 291909105-0094	Serving Area North - White with Gray Interior Window Glazing	Gray/White Fibrous Homogeneous	2% Wollastonite	40% Ca Carbonate 56% Non-fibrous (Other)	2% Chrysotile

Initial report from: 09/09/2019 07:26:17



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EMSL Order: 291909105
Customer ID: TITA51
Customer PO: 70197439
Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
3-96	Serving Area North - White with Gray				Positive Stop (Not Analyzed)
291909105-0095	Interior Window Glazing				
3-97	Serving Area North - White with Gray				Positive Stop (Not Analyzed)
291909105-0096	Interior Window Glazing				

Analyst(s) _____

Joshua Moorman (40)

Ritika Seal (34)

Roxsee Stover (52)

Billy Barnes, Asbestos Lab Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Morrisville, NC NVLAP Lab Code 200671-0, VA 3333 000278, WVA LT000296

Initial report from: 09/09/2019 07:26:17



Client: Terracon Consultants, Inc. Test: PLM #Samples: 97
 Order: 291909105 Project: 70197439 Erwin Elementary School
 Disposition: Discard after 10/4/2019 Demolition Asbestos Survey, Building

27560
1-465-3900
3-465-3950

Company Name : Terracon Consultants, Inc.		EMSL Customer ID:	
Street: 2401 Brentwood Road Suite 107		City: Raleigh	State/Province: NC
Zip/Postal Code: 27604	Country: US	Telephone #: 913-873-2211	Fax #: 919-873-9555
Report To (Name): Alicia Coley		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
Email Address: ancoley & trey.turner@terracon.com		Purchase Order:	
Project Name/Number: 70197439		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken: NC		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

EMSL-Bill to: Same Different - If Bill to is Different note instructions in Comments**
 Third Party Billing requires written authorization from third party

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.

PCM - Air <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA	TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part <input type="checkbox"/> 763 NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312	TEM - Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)
PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NYS 198.8 SOF-V <input type="checkbox"/> NIOSH 9002 (<1%)	TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5	Soil/Rock/Vermiculite <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<1%) <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.25%) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM Qualitative via Filtration Prep <input type="checkbox"/> TEM Qualitative via Drop Mount Prep <input type="checkbox"/> Cincinnati Method EPA 600/R-04/004 - PLM/TEM (BC only)
TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking		Other: <input type="checkbox"/>

Check For Positive Stop - Clearly Identify Homogenous Group Filter Pore Size (Air Samples): 0.8µm 0.45µm

Samplers Name: Alicia Coley / Trey Turner Samplers Signature: *Alicia Coley*

Sample #	Sample Description	Volume/Area (Air) / HA # (Bulk)	Date/Time Sampled
3-1 → 3-39+	See attached COC		8/26, 28/19
3-40 → 3-97			

Client Sample # (s): - Total # of Samples: 96

Relinquished (Client): *Alicia Coley* Date: *9/3/19* Time: *1400*

Received (Lab): *[Signature]* Date: *9/4/19* Time: *10:10*

Comments/Special Instructions:

FC 7AS728325345

Terracon		Contact:	Alicia Coley					
2401 Brentwood Road Suite 107		Phone #:	919.873.2211					
Raleigh, NC 27604		Email Results to:	ajcoley@terracon.com; trey.turner@terracon.com					
Analysis: PLM		TAT:	1 Day	2 Days	3 Days	4 Days	5 Days	Other
Project Name:		Erwin Elementary School Demolition Asbestos Survey						
Project Number:		70197439	Building Number:		Building 3 / Cafeteria			
Building Classification:		Address: 301 S. 10th Street, Erwin, NC						
HA	Sample #	Location	Description				Notes	
1	3-1	East Roof	White Caulk at Gutters				First Positive Stop	
1	3-2	East Roof	White Caulk at Gutters				↓	
1	3-3	East Roof	White Caulk at Gutters				↓	
2	3-4	East Roof	White Caulk at Roof Penetrations				First Positive Stop	
2	3-5	East Roof	White Caulk at Roof Penetrations				↓	
2	3-6	East Roof	White Caulk at Roof Penetrations				↓	
3	3-7	East	Black Shingles and Felt Paper				First Positive Stop	
3	3-8	East	Black Shingles and Felt Paper				↓	
3	3-9	West	Black Shingles and Felt Paper				↓	
4	3-10	East Roof West Penetration	Black Roof Mastic				First Positive Stop	
4	3-11	East Roof West Penetration	Black Roof Mastic				↓	
4	3-12	East Roof West Penetration	Black Roof Mastic				↓	
5	3-13	West Roof at Brick Wall	Black Roof Caulk				First Positive Stop	
5	3-14	West Roof at Brick Wall	Black Roof Caulk				↓	
5	3-15	West Roof at Brick Wall	Black Roof Caulk				↓	
6	3-16	West Roof	White Mastic on EPDM over Built-up Roofing				First Positive Stop	
6	3-17	West Roof	White Mastic on EPDM over Built-up Roofing				↓	
6	3-18	West Roof	White Mastic on EPDM over Built-up Roofing				↓	
7	3-19	West Roof	Silver Paint and Black Flashing				First Positive Stop	
7	3-20	West Roof	Silver Paint and Black Flashing				↓	
7	3-21	West Roof	Silver Paint and Black Flashing				↓	
8	3-22	Cafeteria	2' x 2' White Ceiling Tile with Dots and Pits				First Positive Stop	
8	3-23	Cafeteria	2' x 2' White Ceiling Tile with Dots and Pits				↓	
8	3-24	Cafeteria	2' x 2' White Ceiling Tile with Dots and Pits				↓	
9	3-25	Cafeteria	4" Black Cove Base and Mastic				First Positive Stop	
9	3-26	Cafeteria	4" Black Cove Base and Mastic				↓	
9	3-27	Dry Storage	4" Black Cove Base and Mastic				↓	
10	3-28	Cafeteria	6" Black Cove Base and Mastic				First Positive Stop	
10	3-29	Cafeteria	6" Black Cove Base and Mastic				↓	
10	3-30	Cafeteria	6" Black Cove Base and Mastic				↓	
11	3-31	Girl's Restroom	Plaster					
11	3-32	Lounge	Plaster					
11	3-33	Lounge	Plaster					
11	3-34	Boy's Restroom	Plaster					
11	3-35	Serving Area	Plaster					
12	3-36	Cafeteria	6" Brown Cove Base and Mastic				First Positive Stop	
12	3-37	Cafeteria	6" Brown Cove Base and Mastic				↓	
12	3-38	Cafeteria	6" Brown Cove Base and Mastic				↓	
13	3-40	Lounge	12" x 12" Tri-beige Floor Tile and Mastic				First Positive Stop	
13	3-41	Lounge	12" x 12" Tri-beige Floor Tile and Mastic				↓	
13	3-42	Lounge	12" x 12" Tri-beige Floor Tile and Mastic				↓	
14	3-43	Electrical Room	Textured Coating on CMU and Brick Walls					
14	3-44	Electrical Room	Textured Coating on CMU and Brick Walls					
14	3-45	Storage Room	Textured Coating on CMU and Brick Walls					
15	3-46	Storage Room	Textured Coating on CMU and Brick Walls					
15	3-47	Storage Room	Textured Coating on CMU and Brick Walls					
15	3-48	Storage Room	Checked 12" x 12" Beige with Brown Specks/Green Floor Tile and Mastic				First Positive Stop	
16	3-49	Storage Room	Checked 12" x 12" Beige with Brown Specks/Green Floor Tile and Mastic				↓	
16	3-50	Storage Room	Checked 12" x 12" Beige with Brown Specks/Green Floor Tile and Mastic				↓	
16	3-51	Electrical Room	Black Mastic on Foil-backed Paper over Fiberglass Pipe Insulation				First Positive Stop	
16	3-52	Electrical Room	Black Mastic on Foil-backed Paper over Fiberglass Pipe Insulation				↓	
16	3-53	Electrical Room	Black Mastic on Foil-backed Paper over Fiberglass Pipe Insulation				↓	
17	3-54	Electrical Room	Red Brittle Fire Caulk				First Positive Stop	
17	3-55	Electrical Room	Red Brittle Fire Caulk				↓	

Terracon Consultants, Inc.
70197439 Erwin Elementary School Demolition Asbestos
9/4/2019 10:10

TAT: 1 Week

Order ID: 291909105
No Samples: 97
Due: 09/11 10:10 AM

Terracon		Contact:	Alicia Coley		
2401 Brentwood Road Suite 107		Phone #:	919.873.2211		
Raleigh, NC 27604		Email Results to:	ancoley@terracon.com; trey.turner@terracon.com		
Analysis: PLM		TAT:	1 Day	2 Days	3 Days
			4 Days	5 Days	Other
Project Name:		Erwin Elementary School Demolition Asbestos Survey			
Project Number:		70197439	Building Number:	Building 3 / Cafeteria	
		Address:		301 S. 10th Street, Erwin, NC	
Building Classification:					
HA	Sample #	Location	Description	Notes	
17	3-56	Electrical Room	Red Brittle Fire Caulk	↓	
18	3-57	Electrical Room	Dark Red Fire Caulk	First Positive Stop	
18	3-58	Electrical Room	Dark Red Fire Caulk	↓	
18	3-59	Electrical Room	Dark Red Fire Caulk	↓	
19	3-60	Cafeteria	Beige FRP Adhesive	First Positive Stop	
19	3-61	Cafeteria	Beige FRP Adhesive	↓	
19	3-62	Cafeteria	Beige FRP Adhesive	↓	
20	3-63	Chemical Storage	2' x 4' White Ceiling Tile with Dots and Fissures	First Positive Stop	
20	3-64	Chemical Storage	2' x 4' White Ceiling Tile with Dots and Fissures	↓	
20	3-65	Chemical Storage	2' x 4' White Ceiling Tile with Dots and Fissures	↓	
21	3-66	Kitchen	Tan Glue behind Plastic Panel	First Positive Stop	
21	3-67	Kitchen	Tan Glue behind Plastic Panel	↓	
21	3-68	Kitchen	Tan Glue behind Plastic Panel	↓	
22	3-69	Boy's Restroom	Green Ceramic Wall Tile Grout and Mortar	First Positive Stop	
22	3-70	Boy's Restroom	Green Ceramic Wall Tile Grout and Mortar	↓	
22	3-71	Boy's Restroom	Green Ceramic Wall Tile Grout and Mortar	↓	
23	3-72	Boy's Restroom	Brown Ceramic Wall Tile Grout and Mortar	First Positive Stop	
23	3-73	Boy's Restroom	Brown Ceramic Wall Tile Grout and Mortar	↓	
23	3-74	Boy's Restroom	Brown Ceramic Wall Tile Grout and Mortar	↓	
24	3-75	Girl's Restroom	Ceramic Floor Tile Grout and Mortar	First Positive Stop	
24	3-76	Girl's Restroom	Ceramic Floor Tile Grout and Mortar	↓	
24	3-77	Girl's Restroom	Ceramic Floor Tile Grout and Mortar	↓	
25	3-78	Chemical Storage	CMU Block Filler		
25	3-79	Office	CMU Block Filler		
25	3-80	Dry Storage	CMU Block Filler		
25	3-81	Wall Separating Kitchen and Dining	CMU Block Filler		
25	3-82	Wall Separating Kitchen and Dining	CMU Block Filler		
26	3-83	By Staff Restroom	12" x 12" Off-white with Brown Specks Floor Tile and Mastic	First Positive Stop	
26	3-84	Back Entry	12" x 12" Off-white with Brown Specks Floor Tile and Mastic	↓	
26	3-85	Dry Storage	12" x 12" Off-white with Brown Specks Floor Tile and Mastic	↓	
27	3-86	South	Exterior Window Caulk at Brick	First Positive Stop	
27	3-87	Northwest	Exterior Window Caulk at Brick	↓	
27	3-88	Northeast	Exterior Window Caulk at Brick	↓	
28	3-89	Northeast	Exterior Window Glazing	First Positive Stop	
28	3-90	Southeast	Exterior Window Glazing	↓	
28	3-91	East	Exterior Window Glazing	↓	
29	3-92	Cafeteria South	Interior Window Glazing	First Positive Stop	
29	3-93	Cafeteria Southeast	Interior Window Glazing	↓	
29	3-94	Cafeteria Northwest	Interior Window Glazing	↓	
30	3-95	Serving Area North	White with Gray Interior Window Glazing	First Positive Stop	
30	3-96	Serving Area North	White with Gray Interior Window Glazing	↓	
30	3-97	Serving Area North	White with Gray Interior Window Glazing	↓	

Terracon Consultants, Inc.

70197439 Erwin Elementary School Demolition Asbestos
 9/4/2019 10:10 TAT: 1 Week
 PLM Bulk

Order ID: 291909105

No Samples: 97
 Due: 09/11 10:10 AM
 Fax: 919-873-9555



EMSL Analytical, Inc.

2500 Gateway Centre Blvd., Suite 600 Morrisville, NC 27560

Tel/Fax: (919) 465-3900 / (919) 465-3950

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

EMSL Order: 291909093

Customer ID: TITA51

Customer PO: 70197439

Project ID:

Attention: Alicia Coley
Terracon Consultants, Inc.
2401 Brentwood Road
Suite 107
Raleigh, NC 27604

Phone:
Fax: (919) 873-9555

Received Date: 09/04/2019 10:10 AM
Analysis Date: 09/04/2019 - 09/05/2019
Collected Date: 08/27/2019

Project: 70197439 Erwin Elementary School Demolition Asbestos Survey, Building 4/Media Center, 301 S 10th Street, Erwin, NC

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4-1 291909093-0001	Roof Penetration - White Roof Caulk	White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
4-2 291909093-0002	Roof Fan - White Roof Caulk	White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
4-3 291909093-0003	Chimney - White Roof Caulk	White Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
4-4-Tar 291909093-0004	Roof - Black Tar Under Roof Membrane and Foam Insulation	Black Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
4-4-Insulation 291909093-0004A	Roof - Black Tar Under Roof Membrane and Foam Insulation	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4-5-Tar 291909093-0005	Roof - Black Tar Under Roof Membrane and Foam Insulation	Black Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
4-5-Insulation 291909093-0005A	Roof - Black Tar Under Roof Membrane and Foam Insulation	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4-6-Tar 291909093-0006	Roof - Black Tar Under Roof Membrane and Foam Insulation	Black Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
4-6-Insulation 291909093-0006A	Roof - Black Tar Under Roof Membrane and Foam Insulation	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4-7 291909093-0007	Chimney - Black Mastic on Brick at Chimney	Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
4-8 291909093-0008	Chimney - Black Mastic on Brick at Chimney	Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
4-9 291909093-0009	Chimney - Black Mastic on Brick at Chimney	Black Non-Fibrous Homogeneous	<1% Cellulose <1% Synthetic	100% Non-fibrous (Other)	None Detected
4-10-Floor Tile 291909093-0010	Library - 12" x 12" White with Blue and Green Specks Floor Tile and Mastic	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected

Initial report from: 09/06/2019 07:39:51



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EMSL Order: 291909093
Customer ID: TITA51
Customer PO: 70197439
Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4-10-Mastic 291909093-0010A	Library - 12" x 12" White with Blue and Green Specks Floor Tile and Mastic	Gray/Tan Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
4-11-Floor Tile 291909093-0011	Restroom Lobby - 12" x 12" White with Blue and Green Specks Floor Tile and Mastic	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
4-11-Mastic 291909093-0011A	Restroom Lobby - 12" x 12" White with Blue and Green Specks Floor Tile and Mastic	Gray/Tan Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
4-12-Floor Tile 291909093-0012	Office - 12" x 12" White with Blue and Green Specks Floor Tile and Mastic	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
4-12-Mastic 291909093-0012A	Office - 12" x 12" White with Blue and Green Specks Floor Tile and Mastic	Gray/Tan/Yellow Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
4-13-Grout 291909093-0013	Boy's Restroom - Ceramic Floor Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
4-13-Mortar 291909093-0013A	Boy's Restroom - Ceramic Floor Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
4-14-Grout 291909093-0014	Boy's Restroom - Ceramic Floor Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
4-14-Mortar 291909093-0014A	Boy's Restroom - Ceramic Floor Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
4-15-Grout 291909093-0015	Girl's Restroom - Ceramic Floor Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
4-15-Mortar 291909093-0015A	Girl's Restroom - Ceramic Floor Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
4-16-Skim Coat 291909093-0016	Library - Textured Ceiling Plaster	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
4-16-Base Coat 291909093-0016A	Library - Textured Ceiling Plaster	Gray Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
4-17-Skim Coat 291909093-0017	Library - Textured Ceiling Plaster	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
4-17-Base Coat 291909093-0017A	Library - Textured Ceiling Plaster	Gray Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
4-18-Skim Coat 291909093-0018	Restroom Lobby - Textured Ceiling Plaster	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
4-18-Base Coat 291909093-0018A	Restroom Lobby - Textured Ceiling Plaster	Gray Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected

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EMSL Order: 291909093

Customer ID: TITA51

Customer PO: 70197439

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4-19-Skim Coat 291909093-0019	Computer Room - Textured Ceiling Plaster	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
4-19-Base Coat 291909093-0019A	Computer Room - Textured Ceiling Plaster	Gray Non-Fibrous Homogeneous		15% Quartz 40% Ca Carbonate 45% Non-fibrous (Other)	None Detected
4-20-Skim Coat 291909093-0020	Library at Computer Room - Textured Ceiling Plaster	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
4-20-Base Coat 291909093-0020A	Library at Computer Room - Textured Ceiling Plaster	Gray Non-Fibrous Homogeneous		15% Quartz 40% Ca Carbonate 45% Non-fibrous (Other)	None Detected
4-21-Skim Coat 291909093-0021	Work Room - Smooth Plaster	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
4-21-Base Coat 291909093-0021A	Work Room - Smooth Plaster	Gray Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
4-22-Skim Coat 291909093-0022	Computer Room - Smooth Plaster	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
4-22-Base Coat 291909093-0022A	Computer Room - Smooth Plaster	Gray Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
4-23-Skim Coat 291909093-0023	Restroom Lobby - Smooth Plaster	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
4-23-Base Coat 291909093-0023A	Restroom Lobby - Smooth Plaster	Gray Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
4-24-Skim Coat 291909093-0024	Library - Smooth Plaster	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
4-24-Base Coat 291909093-0024A	Library - Smooth Plaster	Gray Non-Fibrous Homogeneous		15% Quartz 40% Ca Carbonate 45% Non-fibrous (Other)	None Detected
4-25-Skim Coat 291909093-0025	Office - Smooth Plaster	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
4-25-Base Coat 291909093-0025A	Office - Smooth Plaster	Gray Non-Fibrous Homogeneous	<1% Cellulose	15% Quartz 40% Ca Carbonate 45% Non-fibrous (Other)	None Detected
4-26 291909093-0026	Office - Black Sink Mastic	Black Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
4-27 291909093-0027	Office - Black Sink Mastic				Positive Stop (Not Analyzed)
4-28 291909093-0028	Work Room - Black Sink Mastic				Positive Stop (Not Analyzed)
4-29-Floor Tile 291909093-0029	Library - 9" x 9" Brown Floor Tile and Mastic	Tan Fibrous Homogeneous		40% Ca Carbonate 55% Non-fibrous (Other)	5% Chrysotile
4-29-Mastic 291909093-0029A	Library - 9" x 9" Brown Floor Tile and Mastic	Black Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4-30 291909093-0030	Library - 9" x 9" Brown Floor Tile and Mastic				Positive Stop (Not Analyzed)
4-31 291909093-0031	Library - 9" x 9" Brown Floor Tile and Mastic				Positive Stop (Not Analyzed)
4-32-Roofing 1 291909093-0032	South Canopy Roof - Built-up Roofing with Silver Paint on Canopy	Black Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
4-32-Roofing 2 291909093-0032A	South Canopy Roof - Built-up Roofing with Silver Paint on Canopy	Black Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
4-32-Roofing 3 291909093-0032B	South Canopy Roof - Built-up Roofing with Silver Paint on Canopy	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4-32-Paint 291909093-0032C	South Canopy Roof - Built-up Roofing with Silver Paint on Canopy	Silver Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
4-33-Roofing 1 291909093-0033	South Canopy Roof - Built-up Roofing with Silver Paint on Canopy	Black Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
4-33-Roofing 2 291909093-0033A	South Canopy Roof - Built-up Roofing with Silver Paint on Canopy	Black Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
4-33-Roofing 3 291909093-0033B	South Canopy Roof - Built-up Roofing with Silver Paint on Canopy	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4-33-Paint 291909093-0033C	South Canopy Roof - Built-up Roofing with Silver Paint on Canopy	Silver Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
4-34-Roofing 1 291909093-0034	South Canopy Roof - Built-up Roofing with Silver Paint on Canopy	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
4-34-Roofing 2 291909093-0034A	South Canopy Roof - Built-up Roofing with Silver Paint on Canopy	Black Fibrous Homogeneous	35% Cellulose	65% Non-fibrous (Other)	None Detected
4-34-Roofing 3 291909093-0034B	South Canopy Roof - Built-up Roofing with Silver Paint on Canopy	Brown/Black Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
4-34-Paint 291909093-0034C	South Canopy Roof - Built-up Roofing with Silver Paint on Canopy	Black/Silver Fibrous Homogeneous	5% Cellulose	30% Ca Carbonate 65% Non-fibrous (Other)	None Detected
4-35 291909093-0035	South Canopy Roof - Black Roof Mastic on Canopy	Black Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4-36 291909093-0036	South Canopy Roof - Black Roof Mastic on Canopy	Black Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
4-37 291909093-0037	South Canopy Roof - Black Roof Mastic on Canopy	Black Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (Other)	None Detected
4-38-Grout 291909093-0038	Girl's Restroom - Ceramic Wall Tile Grout and Mortar	Gray/White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
4-38-Mortar 291909093-0038A	Girl's Restroom - Ceramic Wall Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
4-39-Grout 291909093-0039	Girl's Restroom - Ceramic Wall Tile Grout and Mortar	Gray/White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
4-39-Mortar 291909093-0039A	Girl's Restroom - Ceramic Wall Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
4-40-Grout 291909093-0040	Girl's Restroom - Ceramic Wall Tile Grout and Mortar	Gray/White Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
4-40-Mortar 291909093-0040A	Girl's Restroom - Ceramic Wall Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		15% Quartz 40% Ca Carbonate 45% Non-fibrous (Other)	None Detected
4-41 291909093-0041	Library - Gray HVAC Duct Putty	Gray Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
4-42 291909093-0042	Library - Gray HVAC Duct Putty	Gray Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
4-43 291909093-0043	Library - Gray HVAC Duct Putty	Gray Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
4-44 291909093-0044	Computer Room at Door - Drywall	Brown/Gray Fibrous Homogeneous	20% Cellulose	40% Gypsum 40% Non-fibrous (Other)	None Detected
4-45 291909093-0045	Computer Room at Door - Drywall	Brown/Gray Fibrous Homogeneous	20% Cellulose	40% Gypsum 40% Non-fibrous (Other)	None Detected
4-46 291909093-0046	Library at Computer Room - Drywall	Brown/Gray Fibrous Homogeneous	20% Cellulose	40% Gypsum 40% Non-fibrous (Other)	None Detected
4-47 291909093-0047	Northeast Window - Off-white Exterior Window Glazing	Gray/White Non-Fibrous Homogeneous	<1% Cellulose	15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
4-48 291909093-0048	North Window at Door - Off-white Exterior Window Glazing	Gray/White Non-Fibrous Homogeneous	<1% Cellulose	15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
4-49 291909093-0049	South Window at Door - Off-white Exterior Window Glazing	Gray/White Non-Fibrous Homogeneous	<1% Cellulose	30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
4-50 291909093-0050	Northeast Window - White Exterior Caulk at Brick	Gray/White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
4-51 291909093-0051	North Window at Door - White Exterior Caulk at Brick	Gray/White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4-52 291909093-0052	South Window at Door - White Exterior Caulk at Brick	Gray/White Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
4-53 291909093-0053	Boiler Room - Concrete at Flue	Gray Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
4-54 291909093-0054	Boiler Room - Concrete at Flue	Gray Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
4-55 291909093-0055	Boiler Room - Concrete at Flue	Gray Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected

Analyst(s)

Joshua Moorman (55)

Kelly Gallisdorfer (28)

Billy Barnes, Asbestos Lab Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Morrisville, NC NVLAP Lab Code 200671-0, VA 3333 000278, WVA LT000296

Initial report from: 09/06/2019 07:39:51

Client: Terracon Consultants, Inc. Test: PLM #Samples: 55
 Order: 291909093 Project: 70197439 Erwin Elementary School
 Disposition: **Discard after 10/4/2019** Demolition Asbestos Survey, Building 4/Media Center 201 S 10th Street, Erwin, NC

Morrisville, NC 27560
 PHONE: 919-465-3900
 FAX: 919-465-3950

LABORATORY PRODUCTS

Company Name : Terracon Consultants, Inc.		EMSL Customer ID:	
Street: 2401 Brentwood Road Suite 107		City: Raleigh	State/Province: NC
Zip/Postal Code: 27604	Country: US	Telephone #: 913-873-2211	Fax #: 919-873-9555
Report To (Name): Alicia Coley		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
Email Address: ancoley & trey.turner@terracon.com		Purchase Order:	
Project Name/Number: 70197439		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken: NC		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

EMSL-Bill to: Same Different - If Bill to is Different note instructions in Comments**
 Third Party Billing requires written authorization from third party

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.

<p>PCM - Air <input type="checkbox"/> Check if samples are from NY</p> <p><input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA</p> <p>PLM - Bulk (reporting limit)</p> <p><input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%)</p> <p>Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)</p> <p>Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)</p> <p><input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NYS 198.8 SOF-V <input type="checkbox"/> NIOSH 9002 (<1%)</p>	<p>TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only)</p> <p><input type="checkbox"/> AHERA 40 CFR, Part <input type="checkbox"/> 763 NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312</p> <p>TEM - Bulk</p> <p><input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5</p> <p>TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking</p>	<p>TEM- Dust</p> <p><input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)</p> <p>Soil/Rock/Vermiculite</p> <p><input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<1%) <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.25%) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM Qualitative via Filtration Prep <input type="checkbox"/> TEM Qualitative via Drop Mount Prep <input type="checkbox"/> Cincinnati Method EPA 600/R-04/004 - PLM/TEM (BC only)</p> <p>Other: <input type="checkbox"/></p>
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Check For Positive Stop - Clearly Identify Homogenous Group Filter Pore Size (Air Samples): 0.8µm 0.45µm

Samplers Name: Alicia Coley / Trey Turner Samplers Signature: *[Signatures]*

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
4-1 → 4-55	See attached COC		8/27/19

Client Sample # (s): _____ Total # of Samples: 96-55

Relinquished (Client): *Alicia Coley* Date: *8/9/19* Time: *1400*

Received (Lab): _____ Date: *9/4/19* Time: *10:10*

Comments/Special Instructions:

FC 7957 28325345

Terracon		Contact:	Alicia Coley		
2401 Brentwood Road Suite 107		Phone #:	919.873.2211		
Raleigh, NC 27604		Email Results to:	ancoley@terracon.com; troy.turner@terracon.com		
Analysis: PLM		TAT:	1 Day	2 Days	3 Days
			4 Days	5 Days	Other
Project Name: Erwin Elementary School Demolition Asbestos Survey					
Project Number: 70197439		Building Number:	Building 4 / Media Center		
		Address:	301 S. 10th Street, Erwin, NC		
Building Classification:					
HA	Sample #	Location	Description	Notes	
1	4-1	Roof Penetration	White Roof Caulk	First Positive Stop	
1	4-2	Roof Fan	White Roof Caulk	↓	
1	4-3	Chimney	White Roof Caulk	↓	
2	4-4	Roof	Black Tar Under Roof Membrane and Foam Insulation	First Positive Stop	
2	4-5	Roof	Black Tar Under Roof Membrane and Foam Insulation	↓	
2	4-6	Roof	Black Tar Under Roof Membrane and Foam Insulation	↓	
3	4-7	Chimney	Black Mastic on Brick at Chimney	First Positive Stop	
3	4-8	Chimney	Black Mastic on Brick at Chimney	↓	
3	4-9	Chimney	Black Mastic on Brick at Chimney	↓	
4	4-10	Library	12" x 12" White with Blue and Green Specks Floor Tile and Mastic	First Positive Stop	
4	4-11	Restroom Lobby	12" x 12" White with Blue and Green Specks Floor Tile and Mastic	↓	
4	4-12	Office	12" x 12" White with Blue and Green Specks Floor Tile and Mastic	↓	
5	4-13	Boy's Restroom	Ceramic Floor Tile Grout and Mortar	First Positive Stop	
5	4-14	Boy's Restroom	Ceramic Floor Tile Grout and Mortar	↓	
5	4-15	Girl's Restroom	Ceramic Floor Tile Grout and Mortar	↓	
6	4-16	Library	Textured Ceiling Plaster		
6	4-17	Library	Textured Ceiling Plaster		
6	4-18	Restroom Lobby	Textured Ceiling Plaster		
6	4-19	Computer Room	Textured Ceiling Plaster		
6	4-20	Library at Computer Room	Textured Ceiling Plaster		
7	4-21	Work Room	Smooth Plaster		
7	4-22	Computer Room	Smooth Plaster		
7	4-23	Restroom Lobby	Smooth Plaster		
7	4-24	Library	Smooth Plaster		
7	4-25	Office	Smooth Plaster		
8	4-26	Office	Black Sink Mastic	First Positive Stop	
8	4-27	Office	Black Sink Mastic	↓	
8	4-28	Work Room	Black Sink Mastic	↓	
9	4-29	Library	9" x 9" Brown Floor Tile and Mastic	First Positive Stop	
9	4-30	Library	9" x 9" Brown Floor Tile and Mastic	↓	
9	4-31	Library	9" x 9" Brown Floor Tile and Mastic	↓	
10	4-32	South Canopy Roof	Built-up Roofing with Silver Paint on Canopy	First Positive Stop	
10	4-33	South Canopy Roof	Built-up Roofing with Silver Paint on Canopy	↓	
10	4-34	South Canopy Roof	Built-up Roofing with Silver Paint on Canopy	↓	
11	4-35	South Canopy Roof	Black Roof Mastic on Canopy	First Positive Stop	
11	4-36	South Canopy Roof	Black Roof Mastic on Canopy	↓	
11	4-37	South Canopy Roof	Black Roof Mastic on Canopy	↓	
12	4-38	Girl's Restroom	Ceramic Wall Tile Grout and Mortar	First Positive Stop	
12	4-39	Girl's Restroom	Ceramic Wall Tile Grout and Mortar	↓	
12	4-40	Girl's Restroom	Ceramic Wall Tile Grout and Mortar	↓	
13	4-41	Library	Gray HVAC Duct Putty	First Positive Stop	
13	4-42	Library	Gray HVAC Duct Putty	↓	
13	4-43	Library	Gray HVAC Duct Putty	↓	
14	4-44	Computer Room at Door	Drywall	First Positive Stop	
14	4-45	Computer Room at Door	Drywall	↓	
14	4-46	Library at Computer Room	Drywall	↓	
15	4-47	Northeast Window	Off-white Exterior Window Glazing	First Positive Stop	
15	4-48	North Window at Door	Off-white Exterior Window Glazing	↓	
15	4-49	South Window at Door	Off-white Exterior Window Glazing	↓	
16	4-50	Northeast Window	White Exterior Caulk at Brick	First Positive Stop	
16	4-51	North Window at Door	White Exterior Caulk at Brick	↓	
16	4-52	South Window at Door	White Exterior Caulk at Brick	↓	
17	4-53	Boiler Room	Concrete at Flue	First Positive Stop	
17	4-54	Boiler Room	Concrete at Flue	↓	
17	4-55	Boiler Room	Concrete at Flue	↓	



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2500 Gateway Centre Blvd., Suite 600 Morrisville, NC 27560

Tel/Fax: (919) 465-3900 / (919) 465-3950

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

EMSL Order: 291909091

Customer ID: TITA51

Customer PO: 70197439

Project ID:

Attention: Alicia Coley
Terracon Consultants, Inc.
2401 Brentwood Road
Suite 107
Raleigh, NC 27604

Phone:
Fax: (919) 873-9555

Received Date: 09/04/2019 10:10 AM
Analysis Date: 09/04/2019 - 09/05/2019
Collected Date:

Project: Erwin Elementary School Demolition Asbestos Survey, Building 5/Ram Building, 301 S. 10th St, Erwin, NC

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
5-1 291909091-0001	Boiler Room - Air-O-Cell Pipe Insulation	Gray/White Fibrous Homogeneous	55% Cellulose	15% Non-fibrous (Other)	30% Chrysotile
5-2 291909091-0002	Boiler Room - Air-O-Cell Pipe Insulation				Positive Stop (Not Analyzed)
5-3 291909091-0003	Boiler Room - Air-O-Cell Pipe Insulation				Positive Stop (Not Analyzed)
5-4-TSI 291909091-0004	Boiler Room Elbow - Hard TSI Joint with Tan Canvas Wrap	Gray Fibrous Homogeneous	60% Min. Wool	20% Ca Carbonate 20% Non-fibrous (Other)	None Detected
5-4-Wrap 291909091-0004A	Boiler Room Elbow - Hard TSI Joint with Tan Canvas Wrap	Tan/White Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
5-5-TSI 291909091-0005	Boiler Room Elbow - Hard TSI Joint with Tan Canvas Wrap	Gray Fibrous Homogeneous	60% Min. Wool	20% Ca Carbonate 20% Non-fibrous (Other)	None Detected
5-5-Wrap 291909091-0005A	Boiler Room Elbow - Hard TSI Joint with Tan Canvas Wrap	Tan/White Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
5-6-TSI 291909091-0006	Boiler Room Tee - Hard TSI Joint with Tan Canvas Wrap	Gray Fibrous Homogeneous	65% Min. Wool	20% Ca Carbonate 15% Non-fibrous (Other)	None Detected
5-6-Wrap 291909091-0006A	Boiler Room Tee - Hard TSI Joint with Tan Canvas Wrap	Brown Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (Other)	None Detected
5-7 291909091-0007	Boiler Room Elbow - Hard TSI Joint Associated with HA 1	White Fibrous Homogeneous		40% Ca Carbonate 20% Non-fibrous (Other)	40% Chrysotile
5-8 291909091-0008	Boiler Room Elbow - Hard TSI Joint Associated with HA 1				Positive Stop (Not Analyzed)
5-9 291909091-0009	Boiler Room Elbow - Hard TSI Joint Associated with HA 1				Positive Stop (Not Analyzed)
5-10 291909091-0010	Boiler Room Elbow - White Mud TSI Joint	White Fibrous Homogeneous	10% Cellulose 60% Min. Wool	20% Ca Carbonate 10% Non-fibrous (Other)	None Detected
5-11 291909091-0011	Boiler Room Elbow - White Mud TSI Joint	White Fibrous Homogeneous	10% Cellulose 60% Min. Wool	20% Ca Carbonate 10% Non-fibrous (Other)	None Detected
5-12 291909091-0012	Boiler Room End - White Mud TSI Joint	White Fibrous Homogeneous	15% Cellulose 60% Min. Wool	20% Ca Carbonate 5% Non-fibrous (Other)	None Detected
5-13 291909091-0013	Boiler Room - Boiler Rope Gasket	Brown Fibrous Homogeneous	10% Cellulose	20% Ca Carbonate 10% Non-fibrous (Other)	60% Chrysotile

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Tel/Fax: (919) 465-3900 / (919) 465-3950

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EMSL Order: 291909091

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
5-14	Boiler Room - Boiler Rope Gasket				Positive Stop (Not Analyzed)
291909091-0014					
5-15	Boiler Room - Boiler Rope Gasket				Positive Stop (Not Analyzed)
291909091-0015					
5-16	At Boiler - Lightweight Concrete	Brown/Gray Non-Fibrous Homogeneous		10% Quartz 60% Ca Carbonate 30% Non-fibrous (Other)	None Detected
291909091-0016					
5-17	At Boiler - Lightweight Concrete	Brown/Gray Non-Fibrous Homogeneous		10% Quartz 60% Ca Carbonate 30% Non-fibrous (Other)	None Detected
291909091-0017					
5-18	At Boiler - Lightweight Concrete	Brown/Gray Non-Fibrous Homogeneous		10% Quartz 55% Ca Carbonate 35% Non-fibrous (Other)	None Detected
291909091-0018					
5-19	Boiler Room - Interior Window Glazing	Gray Fibrous Homogeneous		60% Ca Carbonate 38% Non-fibrous (Other)	2% Chrysotile
291909091-0019					
5-20	Boiler Room - Interior Window Glazing				Positive Stop (Not Analyzed)
291909091-0020					
5-21	Boiler Room - Interior Window Glazing				Positive Stop (Not Analyzed)
291909091-0021					
5-22-Skim Coat	Basement Restroom - Plaster	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
291909091-0022					
5-22-Base Coat	Basement Restroom - Plaster	Gray Non-Fibrous Homogeneous	<1% Cellulose	20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
291909091-0022A					
5-23-Skim Coat	Door to Kitchen - Plaster	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
291909091-0023					
5-23-Base Coat	Door to Kitchen - Plaster	Gray Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
291909091-0023A					
5-24-Skim Coat	Cafeteria Southeast - Plaster	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
291909091-0024					
5-24-Base Coat	Cafeteria Southeast - Plaster	Gray Non-Fibrous Homogeneous	<1% Cellulose	20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
291909091-0024A					
5-25-Skim Coat	Room 305 Closet - Plaster	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
291909091-0025					
5-25-Base Coat	Room 305 Closet - Plaster	Gray Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
291909091-0025A					
5-26-Texture	Room 305 - Plaster	Gray/White Non-Fibrous Homogeneous	<1% Wollastonite	60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
291909091-0026					
5-26-Skim Coat	Room 305 - Plaster	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
291909091-0026A					
5-26-Base Coat	Room 305 - Plaster	Gray/Tan Non-Fibrous Homogeneous	<1% Cellulose	20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
291909091-0026B					

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Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
5-27-Texture 291909091-0027	Room 304 Closet - Plaster	Gray/White Non-Fibrous Homogeneous	<1% Wollastonite	60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
5-27-Skim Coat 291909091-0027A	Room 304 Closet - Plaster	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
5-27-Base Coat 291909091-0027B	Room 304 Closet - Plaster	Gray/Tan Non-Fibrous Homogeneous	<1% Cellulose	20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
5-28-Texture 291909091-0028	Room 305 Closet - Plaster	Gray/White Non-Fibrous Homogeneous	<1% Wollastonite	60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
5-28-Skim Coat 291909091-0028A	Room 305 Closet - Plaster	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
5-28-Base Coat 291909091-0028B	Room 305 Closet - Plaster	Gray/Tan Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
5-29-Floor Tile 291909091-0029	Cafeteria - 9" x 9" Gray Floor Tile and Mastic	Gray Fibrous Homogeneous		40% Ca Carbonate 58% Non-fibrous (Other)	2% Chrysotile
5-29-Mastic 291909091-0029A	Cafeteria - 9" x 9" Gray Floor Tile and Mastic	Black Fibrous Homogeneous	2% Cellulose	10% Ca Carbonate 83% Non-fibrous (Other)	5% Chrysotile
5-30 291909091-0030	Cafeteria - 9" x 9" Gray Floor Tile and Mastic				Positive Stop (Not Analyzed)
5-31 291909091-0031	Cafeteria - 9" x 9" Gray Floor Tile and Mastic				Positive Stop (Not Analyzed)
5-32 291909091-0032	Basement Office at Restroom - Red Firestop	Red Fibrous Homogeneous	8% Glass	25% Ca Carbonate 67% Non-fibrous (Other)	None Detected
5-33 291909091-0033	Basement Office at Restroom - Red Firestop	Red Fibrous Homogeneous	8% Glass	25% Ca Carbonate 67% Non-fibrous (Other)	None Detected
5-34 291909091-0034	Basement Office at Restroom - Red Firestop	Red Fibrous Homogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
5-35 291909091-0035	Cafeteria - Black Waterproofing	Red/Black Non-Fibrous Homogeneous		15% Quartz 30% Ca Carbonate 55% Non-fibrous (Other)	None Detected
5-36 291909091-0036	Kitchen - Black Waterproofing	Red/Black Non-Fibrous Homogeneous		15% Quartz 30% Ca Carbonate 55% Non-fibrous (Other)	None Detected
5-37 291909091-0037	Kitchen - Black Waterproofing	Gray/Black Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
5-38 291909091-0038	Cafeteria - Drywall Lathe	Brown/Gray Fibrous Homogeneous	10% Cellulose 3% Glass	20% Ca Carbonate 30% Gypsum 37% Non-fibrous (Other)	None Detected
5-39 291909091-0039	Cafeteria - Drywall Lathe	Brown/Gray Fibrous Homogeneous	10% Cellulose 3% Glass	20% Ca Carbonate 30% Gypsum 37% Non-fibrous (Other)	None Detected
5-40 291909091-0040	Room 305 Closet - Drywall Lathe	Brown/Gray Fibrous Homogeneous	20% Cellulose	40% Gypsum 40% Non-fibrous (Other)	None Detected

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2500 Gateway Centre Blvd., Suite 600 Morrisville, NC 27560

Tel/Fax: (919) 465-3900 / (919) 465-3950

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
5-41 291909091-0041	West at Canopy - Black Roof Caulk	Gray/Black Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
5-42 291909091-0042	West at Canopy - Black Roof Caulk	Gray/Black Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
5-43 291909091-0043	West at Canopy - Black Roof Caulk	Black Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
5-44-Shingle 1 291909091-0044	At Canopy/Entrance - Gray Shingles and Felt Paper	Gray/Black Fibrous Homogeneous	3% Cellulose 20% Glass	40% Ca Carbonate 37% Non-fibrous (Other)	None Detected
5-44-Shingle 2 291909091-0044A	At Canopy/Entrance - Gray Shingles and Felt Paper	White/Red/Black Fibrous Homogeneous	2% Cellulose 20% Glass	40% Ca Carbonate 38% Non-fibrous (Other)	None Detected
5-44-Felt Paper 291909091-0044B	At Canopy/Entrance - Gray Shingles and Felt Paper	Brown/Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
5-45-Shingle 1 291909091-0045	At Southwest Canopy - Gray Shingles and Felt Paper	Gray/Black Fibrous Homogeneous	2% Cellulose 20% Glass	40% Ca Carbonate 38% Non-fibrous (Other)	None Detected
5-45-Shingle 2 291909091-0045A	At Southwest Canopy - Gray Shingles and Felt Paper	White/Red/Black Fibrous Homogeneous	2% Cellulose 20% Glass	40% Ca Carbonate 38% Non-fibrous (Other)	None Detected
5-45-Felt Paper 291909091-0045B	At Southwest Canopy - Gray Shingles and Felt Paper	Brown/Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
5-46-Shingle 1 291909091-0046	Southwest Corner - Gray Shingles and Felt Paper	Gray/Black Fibrous Homogeneous	20% Glass	40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
5-46-Shingle 2 291909091-0046A	Southwest Corner - Gray Shingles and Felt Paper	Gray/Red/Black Fibrous Homogeneous	20% Glass	40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
5-46-Felt Paper 291909091-0046B	Southwest Corner - Gray Shingles and Felt Paper	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
5-47-Floor Tile 291909091-0047	Main Lobby - 12" x 12" Off-white Speckled Floor Tile and Mastic	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
5-47-Mastic 291909091-0047A	Main Lobby - 12" x 12" Off-white Speckled Floor Tile and Mastic	Tan Fibrous Homogeneous	2% Cellulose	10% Ca Carbonate 88% Non-fibrous (Other)	None Detected
5-48-Floor Tile 291909091-0048	Room 305 - 12" x 12" Off-white Speckled Floor Tile and Mastic	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
5-48-Mastic 291909091-0048A	Room 305 - 12" x 12" Off-white Speckled Floor Tile and Mastic	Tan Fibrous Homogeneous	2% Cellulose	10% Ca Carbonate 88% Non-fibrous (Other)	None Detected
5-49-Floor Tile 291909091-0049	Room 303 - 12" x 12" Off-white Speckled Floor Tile and Mastic	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
5-49-Mastic 291909091-0049A	Room 303 - 12" x 12" Off-white Speckled Floor Tile and Mastic	Tan Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected

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Tel/Fax: (919) 465-3900 / (919) 465-3950

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
5-50-Floor Tile 291909091-0050	Room 303 Restroom - 12" x 12" Light Gray with Gray Specks Floor Tile and Mastic	Gray Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
5-50-Mastic 291909091-0050A	Room 303 Restroom - 12" x 12" Light Gray with Gray Specks Floor Tile and Mastic	Gold Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
5-51-Floor Tile 291909091-0051	Room 303 Restroom - 12" x 12" Light Gray with Gray Specks Floor Tile and Mastic	Gray Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
5-51-Mastic 291909091-0051A	Room 303 Restroom - 12" x 12" Light Gray with Gray Specks Floor Tile and Mastic	Gold Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
5-52-Floor Tile 291909091-0052	Room 303 Restroom - 12" x 12" Light Gray with Gray Specks Floor Tile and Mastic	Gray Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
5-52-Mastic 291909091-0052A	Room 303 Restroom - 12" x 12" Light Gray with Gray Specks Floor Tile and Mastic	Yellow Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
5-53-Floor Tile 291909091-0053	Room 303 - Tan Floor Tile and Mastic - 2nd Layer	Tan Fibrous Homogeneous		40% Ca Carbonate 58% Non-fibrous (Other)	2% Chrysotile
5-53-Mastic 291909091-0053A	Room 303 - Tan Floor Tile and Mastic - 2nd Layer	Black Fibrous Homogeneous	3% Cellulose	10% Ca Carbonate 84% Non-fibrous (Other)	3% Chrysotile
5-54 291909091-0054	Room 305 - Tan Floor Tile and Mastic - 2nd Layer				Positive Stop (Not Analyzed)
5-55 291909091-0055	Main Lobby - Tan Floor Tile and Mastic - 2nd Layer				Positive Stop (Not Analyzed)
5-56-Floor Tile 291909091-0056	Main Lobby Patch at Radiator - 12" x 12" Tri-blue Floor Tile and Mastic	Blue Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
5-56-Mastic 1 291909091-0056A	Main Lobby Patch at Radiator - 12" x 12" Tri-blue Floor Tile and Mastic	Black Fibrous Homogeneous	3% Cellulose	10% Ca Carbonate 84% Non-fibrous (Other)	3% Chrysotile
5-56-Mastic 2 291909091-0056B	Main Lobby Patch at Radiator - 12" x 12" Tri-blue Floor Tile and Mastic	Tan Fibrous Homogeneous	2% Cellulose <1% Synthetic	10% Ca Carbonate 88% Non-fibrous (Other)	None Detected
5-57-Floor Tile 291909091-0057	Main Lobby Patch at Radiator - 12" x 12" Tri-blue Floor Tile and Mastic	Blue Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
5-57-Mastic 1 291909091-0057A	Main Lobby Patch at Radiator - 12" x 12" Tri-blue Floor Tile and Mastic				Positive Stop (Not Analyzed)

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Tel/Fax: (919) 465-3900 / (919) 465-3950

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
5-57-Mastic 2 291909091-0057B	Main Lobby Patch at Radiator - 12" x 12" Tri-blue Floor Tile and Mastic	Tan Fibrous Homogeneous	2% Cellulose 2% Synthetic	10% Ca Carbonate 86% Non-fibrous (Other)	None Detected
5-58-Floor Tile 291909091-0058	Main Lobby Patch at Radiator - 12" x 12" Tri-blue Floor Tile and Mastic	Blue Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
5-58-Mastic 1 291909091-0058A	Main Lobby Patch at Radiator - 12" x 12" Tri-blue Floor Tile and Mastic				Positive Stop (Not Analyzed)
5-58-Mastic 2 291909091-0058B	Main Lobby Patch at Radiator - 12" x 12" Tri-blue Floor Tile and Mastic	Tan Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
5-59 291909091-0059	Room 304 - Black Felt Paper under Hardwood Flooring	Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
5-60 291909091-0060	Room 302 - Black Felt Paper under Hardwood Flooring	Brown Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
5-61 291909091-0061	Music Room - Black Felt Paper under Hardwood Flooring	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
5-62-Vinyl Sheet Flooring 1 291909091-0062	Room 305 - Gray Vinyl Sheet Floor with Black Felt Backing	Tan/Yellow Fibrous Homogeneous	10% Cellulose	40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
5-62-Felt Backing 291909091-0062A	Room 305 - Gray Vinyl Sheet Floor with Black Felt Backing	Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
5-62-Vinyl Sheet Flooring 2 291909091-0062B	Room 305 - Gray Vinyl Sheet Floor with Black Felt Backing	Brown Fibrous Homogeneous	10% Cellulose	40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
5-62-Mastic 291909091-0062C	Room 305 - Gray Vinyl Sheet Floor with Black Felt Backing	Black Fibrous Homogeneous	5% Cellulose 2% Synthetic	93% Non-fibrous (Other)	None Detected
5-63-Vinyl Sheet Flooring 291909091-0063	Room 305 - Gray Vinyl Sheet Floor with Black Felt Backing	Brown Fibrous Homogeneous	10% Cellulose	40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
5-63-Felt Backing 291909091-0063A	Room 305 - Gray Vinyl Sheet Floor with Black Felt Backing	Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
5-64-Vinyl Sheet Flooring 291909091-0064	Room 305 - Gray Vinyl Sheet Floor with Black Felt Backing	Gray/Beige Fibrous Homogeneous	45% Cellulose	55% Non-fibrous (Other)	None Detected
5-64-Felt Backing 291909091-0064A	Room 305 - Gray Vinyl Sheet Floor with Black Felt Backing	Black Fibrous Homogeneous	40% Cellulose 25% Synthetic	35% Non-fibrous (Other)	None Detected
5-65-Floor Tile 291909091-0065	Room 304 - 12" x 12" Tri-beige Floor Tile and Mastic	Beige Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected

Initial report from: 09/06/2019 07:38:56



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Tel/Fax: (919) 465-3900 / (919) 465-3950

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

EMSL Order: 291909091

Customer ID: TITA51

Customer PO: 70197439

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
5-65-Mastic <i>291909091-0065A</i>	Room 304 - 12" x 12" Tri-beige Floor Tile and Mastic	Tan Fibrous Homogeneous	2% Cellulose	10% Ca Carbonate 88% Non-fibrous (Other)	None Detected
5-66-Floor Tile <i>291909091-0066</i>	Room 304 - 12" x 12" Tri-beige Floor Tile and Mastic	Beige Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
5-66-Mastic <i>291909091-0066A</i>	Room 304 - 12" x 12" Tri-beige Floor Tile and Mastic	Tan/Yellow Fibrous Homogeneous	2% Cellulose	10% Ca Carbonate 88% Non-fibrous (Other)	None Detected
5-67-Floor Tile <i>291909091-0067</i>	Room 304 Closet - 12" x 12" Tri-beige Floor Tile and Mastic	Tan/Beige Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
5-67-Mastic <i>291909091-0067A</i>	Room 304 Closet - 12" x 12" Tri-beige Floor Tile and Mastic	Yellow Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
5-68 <i>291909091-0068</i>	Room 305 Closet - White with 4" Grid and Brown Diamond Vinyl Sheet Flooring	White Fibrous Homogeneous	20% Cellulose 10% Glass	25% Ca Carbonate 45% Non-fibrous (Other)	None Detected
5-69 <i>291909091-0069</i>	Room 305 Closet - White with 4" Grid and Brown Diamond Vinyl Sheet Flooring	White Fibrous Homogeneous	20% Cellulose 10% Glass	25% Ca Carbonate 45% Non-fibrous (Other)	None Detected
5-70 <i>291909091-0070</i>	Room 305 Closet - White with 4" Grid and Brown Diamond Vinyl Sheet Flooring	Brown/White Fibrous Homogeneous	30% Cellulose 10% Glass	60% Non-fibrous (Other)	None Detected
5-71 <i>291909091-0071</i> <i>This is a composite result of drywall, and joint compound</i>	Main Lobby - Drywall and Joint Compound - Ceiling	Brown/Gray/White Fibrous Homogeneous	10% Cellulose 2% Glass <1% Wollastonite	20% Ca Carbonate 20% Gypsum 48% Non-fibrous (Other)	None Detected
5-72 <i>291909091-0072</i> <i>This is a composite result of drywall, and joint compound</i>	Room 302 - Drywall and Joint Compound - Ceiling	Brown/Gray/White Fibrous Homogeneous	10% Cellulose 2% Glass <1% Wollastonite	20% Ca Carbonate 20% Gypsum 48% Non-fibrous (Other)	None Detected
5-73 <i>291909091-0073</i> <i>This is a composite result of drywall, and joint compound.</i>	Room 304 - Drywall and Joint Compound - Ceiling	Brown/Gray/White Fibrous Homogeneous	15% Cellulose	20% Ca Carbonate 30% Gypsum 35% Non-fibrous (Other)	None Detected
5-74 <i>291909091-0074</i>	Main Lobby - 2' x 2' White Ceiling Tile with Dots	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
5-75 <i>291909091-0075</i>	Room 302 - 2' x 2' White Ceiling Tile with Dots	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
5-76 <i>291909091-0076</i>	Room 304 - 2' x 2' White Ceiling Tile with Dots	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
5-77 <i>291909091-0077</i>	Room 304 - Silver Paint on Radiators	Gray/Silver Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
5-78 <i>291909091-0078</i>	Room 304 - Silver Paint on Radiators	Gray/Silver Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
5-79 <i>291909091-0079</i>	Room 305 - Silver Paint on Radiators	Black/Silver Non-Fibrous Homogeneous	<1% Cellulose	30% Ca Carbonate 70% Non-fibrous (Other)	None Detected

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EMSL Order: 291909091

Customer ID: TITA51

Customer PO: 70197439

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
5-80 <i>291909091-0080</i>	Band Room - Yellow Carpet Glue and Brown Paint	Tan Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
5-81 <i>291909091-0081</i>	Music Lobby - Yellow Carpet Glue and Brown Paint	Tan Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
5-82-Carpet Glue <i>291909091-0082</i>	Music Room - Yellow Carpet Glue and Brown Paint	Yellow Non-Fibrous Homogeneous	<1% Cellulose <1% Synthetic	100% Non-fibrous (Other)	None Detected
5-82-Paint <i>291909091-0082A</i>	Music Room - Yellow Carpet Glue and Brown Paint	Brown Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
5-83-Cove Base <i>291909091-0083</i>	Band Room - 4" Black Cove Base and Mastic	Black Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
5-83-Mastic <i>291909091-0083A</i>	Band Room - 4" Black Cove Base and Mastic	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
5-84-Cove Base <i>291909091-0084</i>	Music Lobby - 4" Black Cove Base and Mastic	Black Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
5-84-Mastic <i>291909091-0084A</i>	Music Lobby - 4" Black Cove Base and Mastic	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
5-85-Cove Base <i>291909091-0085</i>	Music Room - 4" Black Cove Base and Mastic	Black Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
5-85-Mastic <i>291909091-0085A</i>	Music Room - 4" Black Cove Base and Mastic	Tan Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
5-86 <i>291909091-0086</i> <i>This is a composite result of drywall, and joint compound.</i>	Band Room - Drywall and Joint Compound - Walls	Brown/Gray/White Fibrous Homogeneous	15% Cellulose	20% Ca Carbonate 30% Gypsum 35% Non-fibrous (Other)	None Detected
5-87 <i>291909091-0087</i> <i>This is a composite result of drywall, and joint compound.</i>	Music Lobby - Drywall and Joint Compound - Walls	Brown/Gray/White Fibrous Homogeneous	15% Cellulose <1% Wollastonite	20% Ca Carbonate 30% Gypsum 35% Non-fibrous (Other)	None Detected
5-88 <i>291909091-0088</i> <i>This is a composite result of drywall, and joint compound.</i>	Music Room - Drywall and Joint Compound - Walls	Brown/Gray/White Fibrous Homogeneous	15% Cellulose 2% Glass	20% Ca Carbonate 30% Gypsum 33% Non-fibrous (Other)	None Detected
5-89 <i>291909091-0089</i>	Music Room - Black Sink Mastic	Black Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
5-90 <i>291909091-0090</i>	Music Room - Black Sink Mastic				Positive Stop (Not Analyzed)
5-91 <i>291909091-0091</i>	Music Room - Black Sink Mastic				Positive Stop (Not Analyzed)
5-92 <i>291909091-0092</i>	Music Room - Beige FRP Mastic	Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
5-93 <i>291909091-0093</i>	Music Room - Beige FRP Mastic	Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected

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EMSL Order: 291909091
 Customer ID: TITA51
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 Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
5-94 <small>291909091-0094</small>	Music Room - Beige FRP Mastic	Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
5-95 <small>291909091-0095</small>	Music Room - Brown FRP Mastic	Brown Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
5-96 <small>291909091-0096</small>	Music Room - Brown FRP Mastic	Brown Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
5-97 <small>291909091-0097</small>	Music Room - Brown FRP Mastic	Brown Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
5-98 <small>291909091-0098</small>	Door to Music Lobby - White Exterior Caulk - Wood at Brick	Gray/White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
5-99 <small>291909091-0099</small>	Window at Main Lobby - White Exterior Caulk - Wood at Brick	Gray/White Fibrous Homogeneous		20% Ca Carbonate 78% Non-fibrous (Other)	2% Chrysotile
5-100 <small>291909091-0100</small>	At Room 301 South Window - White Exterior Caulk - Wood at Brick				Positive Stop (Not Analyzed)
5-101 <small>291909091-0101</small>	At Music Lobby - White Exterior Window Glazing	Gray/White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
5-102 <small>291909091-0102</small>	At Main Lobby - White Exterior Window Glazing	Gray/White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
5-103 <small>291909091-0103</small>	At Room 301 South Window - White Exterior Window Glazing	White Fibrous Homogeneous	2% Wollastonite	30% Ca Carbonate 68% Non-fibrous (Other)	None Detected
5-104-Shingle <small>291909091-0104</small>	Canopy over Northeast Basement Door - Black Shingles and Felt Paper	Black Fibrous Homogeneous	20% Glass	10% Quartz 20% Ca Carbonate 50% Non-fibrous (Other)	None Detected
5-104-Felt Paper <small>291909091-0104A</small>	Canopy over Northeast Basement Door - Black Shingles and Felt Paper	Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
5-105-Shingle <small>291909091-0105</small>	Canopy over Northeast Basement Door - Black Shingles and Felt Paper	Black Fibrous Homogeneous	20% Glass	10% Quartz 20% Ca Carbonate 50% Non-fibrous (Other)	None Detected
5-105-Felt Paper <small>291909091-0105A</small>	Canopy over Northeast Basement Door - Black Shingles and Felt Paper	Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
5-106-Shingle <small>291909091-0106</small>	Canopy over Northeast Basement Door - Black Shingles and Felt Paper	Black Fibrous Homogeneous	20% Glass	40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
5-106-Felt Paper <small>291909091-0106A</small>	Canopy over Northeast Basement Door - Black Shingles and Felt Paper	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
5-107-Grout <i>291909091-0107</i>	Room 303 Restroom - Ceramic Wall Tile Grout and Mortar	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
5-107-Mortar <i>291909091-0107A</i>	Room 303 Restroom - Ceramic Wall Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
5-108-Grout <i>291909091-0108</i>	Room 303 Restroom - Ceramic Wall Tile Grout and Mortar	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
5-108-Mortar <i>291909091-0108A</i>	Room 303 Restroom - Ceramic Wall Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
5-109-Grout <i>291909091-0109</i>	Room 303 Restroom - Ceramic Wall Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
5-109-Mortar <i>291909091-0109A</i>	Room 303 Restroom - Ceramic Wall Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected

Analyst(s)

Joshua Moorman (29)
 Kelly Gallisdorfer (47)
 Roxsee Stover (67)

Billy Barnes, Asbestos Lab Manager
 or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Morrisville, NC NVLAP Lab Code 200671-0, VA 3333 000278, WVA LT000296

Initial report from: 09/06/2019 07:38:56

Client: Terracon Consultants, Inc. Test: PLM #Samples: 109
 Order: 291909091 Project: Erwin Elementary School Demolition Asbestos Survey, Building 4/Ram Building, 301 S 10th St Erwin, NC
 Disposition: **Discard after 10/4/2019**

ville, NC 27560
 ONE: 919-465-3900
 FAX: 919-465-3950

Company Name : Terracon Consultants, Inc.		EMSL Customer ID:	
Street: 2401 Brentwood Road Suite 107		City: Raleigh	State/Province: NC
Zip/Postal Code: 27604	Country: US	Telephone #: 913-873-2211	Fax #: 919-873-9555
Report To (Name): Alicia Coley		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
Email Address: ancoley & trey.turner@terracon.com		Purchase Order:	
Project Name/Number: 70197439		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken: NC		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

EMSL-Bill to: Same Different - If Bill to is Different note Instructions in Comments**
 Third Party Billing requires written authorization from third party

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.

PCM - Air <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NYS 198.8 SOF-V <input type="checkbox"/> NIOSH 9002 (<1%)	TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part <input type="checkbox"/> 763 NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	TEM - Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) Soil/Rock/Vermiculite <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<1%) <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.25%) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM Qualitative via Filtration Prep <input type="checkbox"/> TEM Qualitative via Drop Mount Prep <input type="checkbox"/> Cincinnati Method EPA 600/R-04/004 - PLM/TEM (BC only) Other: <input type="checkbox"/>
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Check For Positive Stop - Clearly Identify Homogenous Group Filter Pore Size (Air Samples): 0.8µm 0.45µm
 Samplers Name: Alicia Coley / Trey Turner Samplers Signature: *Alicia Coley*

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
5-1 → 5-109	See attached COC		8/26-27/19

Client Sample # (s): - Total # of Samples: ~~66~~ 109
 Relinquished (Client): *Alicia Coley* Date: 9/3/19 Time: 1400
 Received (Lab): *[Signature]* Date: 9/4/19 Time: 10:10

Comments/Special Instructions:
 FE 79572832534

Terracon		Contact:		Alicia Coley	
2401 Brentwood Road Suite 107		Phone #:		919.873.2211	
Raleigh, NC 27604		Email Results to:		ancoley@terracon.com; trey.turner@terracon.com	
Analysis: PLM		TAT:		1 Day 2 Days 3 Days 4 Days 5 Days Other	
Project Name:		Erwin Elementary School Demolition Asbestos Survey			
Project Number:		70197439		Building Number:	
				Building 5 / Ram Building	
Building Classification:		Address:		301 S. 10th Street, Erwin, NC	
HA	Sample #	Location	Description	Notes	
1	5-1	Boiler Room	Air-O-Cell Pipe Insulation	First Positive Stop	
1	5-2	Boiler Room	Air-O-Cell Pipe Insulation	↓	
1	5-3	Boiler Room	Air-O-Cell Pipe Insulation	↓	
2	5-4	Boiler Room Elbow	Hard TSI Joint with Tan Canvas Wrap	First Positive Stop	
2	5-5	Boiler Room Elbow	Hard TSI Joint with Tan Canvas Wrap	↓	
2	5-6	Boiler Room Tee	Hard TSI Joint with Tan Canvas Wrap	↓	
3	5-7	Boiler Room Elbow	Hard TSI Joint Associated with HA 1	First Positive Stop	
3	5-8	Boiler Room Elbow	Hard TSI Joint Associated with HA 1	↓	
3	5-9	Boiler Room Elbow	Hard TSI Joint Associated with HA 1	↓	
4	5-10	Boiler Room Elbow	White Mud TSI Joint	First Positive Stop	
4	5-11	Boiler Room Elbow	White Mud TSI Joint	↓	
4	5-12	Boiler Room End	White Mud TSI Joint	↓	
5	5-13	Boiler Room	Boiler Rope Gasket	First Positive Stop	
5	5-14	Boiler Room	Boiler Rope Gasket	↓	
5	5-15	Boiler Room	Boiler Rope Gasket	↓	
6	5-16	At Boiler	Lightweight Concrete	First Positive Stop	
6	5-17	At Boiler	Lightweight Concrete	↓	
6	5-18	At Boiler	Lightweight Concrete	↓	
6	5-19	Boiler Room	Interior Window Glazing	First Positive Stop	
6	5-20	Boiler Room	Interior Window Glazing	↓	
7	5-21	Boiler Room	Interior Window Glazing	↓	
7	5-22	Basement Restroom	Plaster		
7	5-23	Door to Kitchen	Plaster		
7	5-24	Cafeteria Southeast	Plaster		
7	5-25	Room 305 Closet	Plaster		
8	5-26	Room 305	Plaster		
8	5-27	Room 304 Closet	Plaster		
8	5-28	Room 305 Closet	Plaster		
9	5-29	Cafeteria	9" x 9" Gray Floor Tile and Mastic	First Positive Stop	
9	5-30	Cafeteria	9" x 9" Gray Floor Tile and Mastic	↓	
9	5-31	Cafeteria	9" x 9" Gray Floor Tile and Mastic	↓	
10	5-32	Basement Office at Restroom	Red Firestop	First Positive Stop	
10	5-33	Basement Office at Restroom	Red Firestop	↓	
10	5-34	Basement Office at Restroom	Red Firestop	↓	
11	5-35	Cafeteria	Black Waterproofing	First Positive Stop	
11	5-36	Kitchen	Black Waterproofing	↓	
11	5-37	Kitchen	Black Waterproofing	↓	
12	5-38	Cafeteria	Drywall Lathe	First Positive Stop	
12	5-39	Cafeteria	Drywall Lathe	↓	
12	5-40	Room 305 Closet	Drywall Lathe	↓	
13	5-41	West at Canopy	Black Roof Caulk	First Positive Stop	
13	5-42	West at Canopy	Black Roof Caulk	↓	
13	5-43	West at Canopy	Black Roof Caulk	↓	
14	5-44	At Canopy/Entrance	Gray Shingles and Felt Paper	First Positive Stop	
14	5-45	At Southwest Canopy	Gray Shingles and Felt Paper	↓	
14	5-46	Southwest Corner	Gray Shingles and Felt Paper	↓	
15	5-47	Main Lobby	12" x 12" Off-white Speckled Floor Tile and Mastic	First Positive Stop	
15	5-48	Room 305	12" x 12" Off-white Speckled Floor Tile and Mastic	↓	
15	5-49	Room 303	12" x 12" Off-white Speckled Floor Tile and Mastic	↓	
16	5-50	Room 303 Restroom	12" x 12" Light Gray with Gray Specks Floor Tile and Mastic	First Positive Stop	
16	5-51	Room 303 Restroom	12" x 12" Light Gray with Gray Specks Floor Tile and Mastic	↓	
16	5-52	Room 303 Restroom	12" x 12" Light Gray with Gray Specks Floor Tile and Mastic	↓	
17	5-53	Room 303	Tan Floor Tile and Mastic - 2nd Layer	First Positive Stop	
17	5-54	Room 305	Tan Floor Tile and Mastic - 2nd Layer	↓	
17	5-55	Main Lobby	Tan Floor Tile and Mastic - 2nd Layer	↓	

Terracon Consultants, Inc.

Erwin Elementary School Demolition Asbestos Survey, Bui
9/4/2019 10:10
PLM

TAT: 1 Week
Bulk

Order ID: 291909091

No Samples: 109
Due: 09/11 10:10 AM
Fax: 919-873-9555

Terracon		Contact:	Alicia Coley					
2401 Brentwood Road Suite 107		Phone #:	919.873.2211					
Raleigh, NC 27604		Email Results to:	ancoley@terracon.com; trey.turner@terracon.com					
Analysis: PLM		TAT:	1 Day	2 Days	3 Days	4 Days	5 Days	Other
Project Name:		Erwin Elementary School Demolition Asbestos Survey						
Project Number:		70197439	Building Number:		Building 5 / Ram Building			
Building Classification:		Address: 301 S. 10th Street, Erwin, NC						
HA	Sample #	Location	Description				Notes	
18	5-56	Main Lobby Patch at Radiator	12" x 12" Tri-blue Floor Tile and Mastic				First Positive Stop	
18	5-57	Main Lobby Patch at Radiator	12" x 12" Tri-blue Floor Tile and Mastic				↓	
18	5-58	Main Lobby Patch at Radiator	12" x 12" Tri-blue Floor Tile and Mastic				↓	
19	5-59	Room 304	Black Felt Paper under Hardwood Flooring				First Positive Stop	
19	5-60	Room 302	Black Felt Paper under Hardwood Flooring				↓	
19	5-61	Music Room	Black Felt Paper under Hardwood Flooring				↓	
20	5-62	Room 305	Gray Vinyl Sheet Floor with Black Felt Backing				First Positive Stop	
20	5-63	Room 305	Gray Vinyl Sheet Floor with Black Felt Backing				↓	
20	5-64	Room 305	Gray Vinyl Sheet Floor with Black Felt Backing				↓	
21	5-65	Room 304	12" x 12" Tri-beige Floor Tile and Mastic				First Positive Stop	
21	5-66	Room 304	12" x 12" Tri-beige Floor Tile and Mastic				↓	
21	5-67	Room 304 Closet	12" x 12" Tri-beige Floor Tile and Mastic				↓	
22	5-68	Room 305 Closet	White with 4" Grid and Brown Diamond Vinyl Sheet Flooring				First Positive Stop	
22	5-69	Room 305 Closet	White with 4" Grid and Brown Diamond Vinyl Sheet Flooring				↓	
22	5-70	Room 305 Closet	White with 4" Grid and Brown Diamond Vinyl Sheet Flooring				↓	
23	5-71	Main Lobby	Drywall and Joint Compound - Ceiling				First Positive Stop	
23	5-72	Room 302	Drywall and Joint Compound - Ceiling				↓	
23	5-73	Room 304	Drywall and Joint Compound - Ceiling				↓	
24	5-74	Main Lobby	2' x 2' White Ceiling Tile with Dots				First Positive Stop	
24	5-75	Room 302	2' x 2' White Ceiling Tile with Dots				↓	
24	5-76	Room 304	2' x 2' White Ceiling Tile with Dots				↓	
25	5-77	Room 304	Silver Paint on Radiators				First Positive Stop	
25	5-78	Room 304	Silver Paint on Radiators				↓	
25	5-79	Room 305	Silver Paint on Radiators				↓	
26	5-80	Band Room	Yellow Carpet Glue and Brown Paint				First Positive Stop	
26	5-81	Music Lobby	Yellow Carpet Glue and Brown Paint				↓	
26	5-82	Music Room	Yellow Carpet Glue and Brown Paint				↓	
27	5-83	Band Room	4" Black Cove Base and Mastic				First Positive Stop	
27	5-84	Music Lobby	4" Black Cove Base and Mastic				↓	
27	5-85	Music Room	4" Black Cove Base and Mastic				↓	
28	5-86	Band Room	Drywall and Joint Compound - Walls				First Positive Stop	
28	5-87	Music Lobby	Drywall and Joint Compound - Walls				↓	
28	5-88	Music Room	Drywall and Joint Compound - Walls				↓	
29	5-89	Music Room	Black Sink Mastic				First Positive Stop	
29	5-90	Music Room	Black Sink Mastic				↓	
29	5-91	Music Room	Black Sink Mastic				↓	
30	5-92	Music Room	Beige FRP Mastic				First Positive Stop	
30	5-93	Music Room	Beige FRP Mastic				↓	
30	5-94	Music Room	Beige FRP Mastic				↓	
31	5-95	Music Room	Brown FRP Mastic				First Positive Stop	
31	5-96	Music Room	Brown FRP Mastic				↓	
31	5-97	Music Room	Brown FRP Mastic				↓	
32	5-98	Door to Music Lobby	White Exterior Caulk - Wood at Brick				First Positive Stop	
32	5-99	Window at Main Lobby	White Exterior Caulk - Wood at Brick				↓	
32	5-100	At Room 301 South Window	White Exterior Caulk - Wood at Brick				↓	
33	5-101	At Music Lobby	White Exterior Window Glazing				First Positive Stop	
33	5-102	At Main Lobby	White Exterior Window Glazing				↓	
33	5-103	At Room 301 South Window	White Exterior Window Glazing				↓	
34	5-104	Canopy over Northeast Basement Door	Black Shingles and Felt Paper				First Positive Stop	
34	5-105	Canopy over Northeast Basement Door	Black Shingles and Felt Paper				↓	
34	5-106	Canopy over Northeast Basement Door	Black Shingles and Felt Paper				↓	
35	5-107	Room 303 Restroom	Ceramic Wall Tile Grout and Mortar				First Positive Stop	
35	5-108	Room 303 Restroom	Ceramic Wall Tile Grout and Mortar				↓	
35	5-109	Room 303 Restroom	Ceramic Wall Tile Grout and Mortar				↓	

Terracon Consultants, Inc.

Erwin Elementary School Demolition Asbestos Survey, Bui
9/4/2019 10:10

TAT: 1 Week

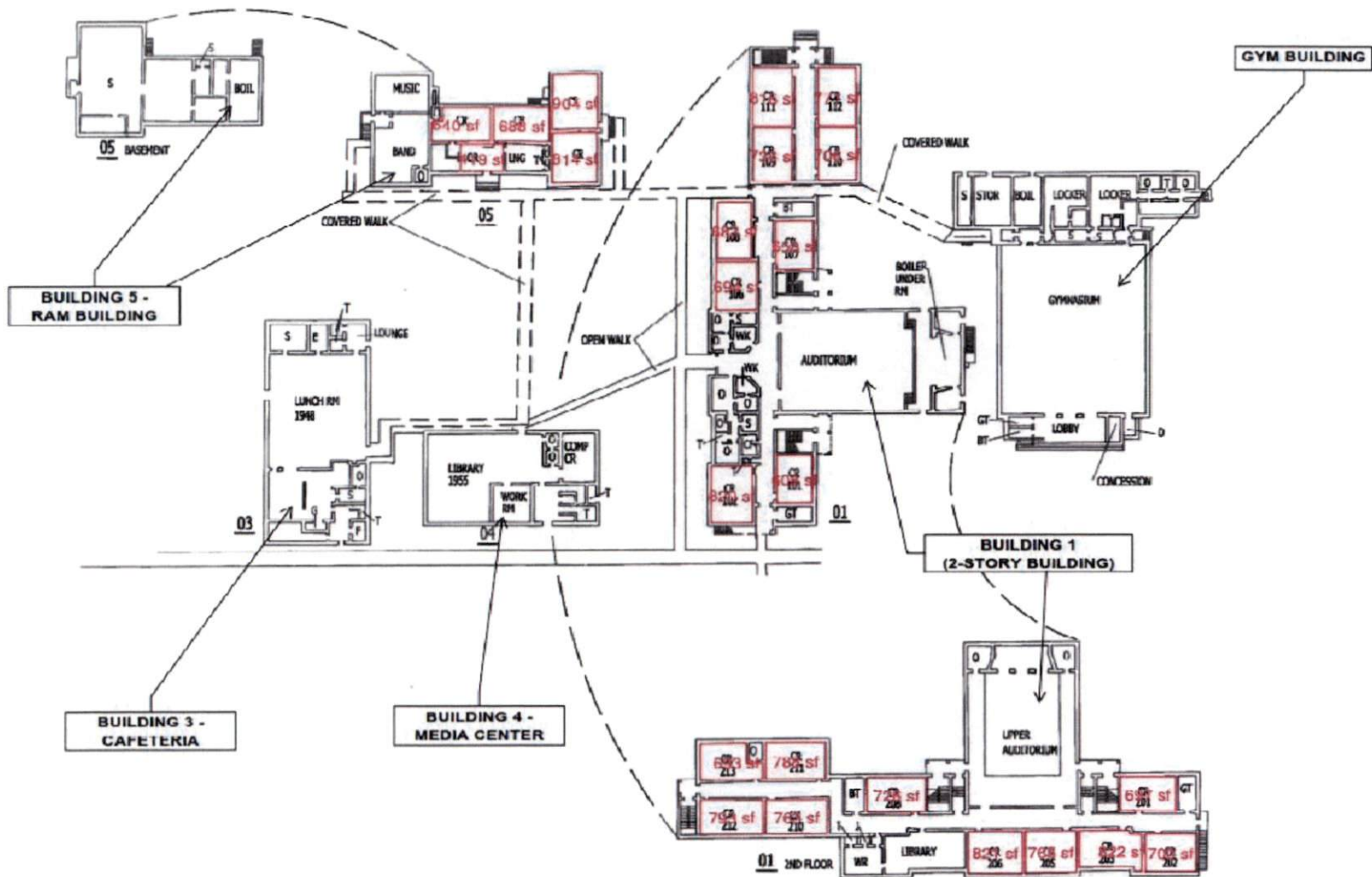
Order ID: 291909091

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APPENDIX D

PROPERTY AND BUILDING LAYOUT



Building layout and sample locations are approximated.

Project Manager: ANC	Project No. 70197439	<p>2401 Brentwood Road, Suite 107 Raleigh, NC 27604 PH. (919) 873-2211 FAX. (919) 873-9555</p>	Property and Building Layout	Figure 1
Drawn By: ANC	Scale: N.T.S.		Erwin Elementary School 301 South 10th Street Erwin, North Carolina	
Checked By: ANC	File Name:			
Approved By: RH	Date: 10/2/2019			

APPENDIX E
PHOTOGRAPHS



Photo #1 View of the front exterior.



Photo #2 View of a typical classroom.



Photo #3 View of foyer.



Photo #4 View of auditorium.



Photo #5 View of hallway.



Photo #6 View of roof.



Photo #7 View of HA 1, non-asbestos containing black felt paper under hardwood flooring.



Photo #8 View of HA 2, OSHA-regulated asbestos containing drywall and joint compound over HA 3, non-asbestos containing plaster with drywall lathe.



Photo #9 View of HA 4, asbestos-containing black sink mastic.



Photo #10 View of HA 5, non-asbestos containing silver paint on radiators.

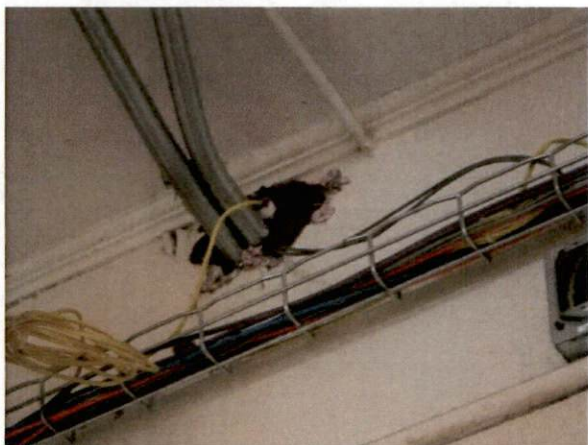


Photo #11 View of HA 6, non-asbestos containing brittle red fire caulk and HA 7, non-asbestos containing dark red fire caulk.



Photo #12 View of HA 8, non-asbestos containing textured plaster.



Photo #13 View of HA 9, non-asbestos containing beige FRP adhesive.



Photo #14 View of HA 10, non-asbestos containing black waterproofing.



Photo #15 View of HA 11, non-asbestos containing 12" x 12" tri-tan floor tile and mastic.



Photo #16 View of HA 12, non-asbestos containing 12" x 12" tri-light gray floor tile and mastic.



Photo #17 View of HA 13, non-asbestos containing 4" black cove base and mastic.



Photo #18 View of HA 14, asbestos-containing 9" x 9" tan floor tile and mastic.



Photo #19 View of HA 15, non-asbestos containing 4" blue cove base and mastic.



Photo #20 View of HA 16, non-asbestos containing gray leveling compound.



Photo #21 View of HA 17, asbestos-containing 12" x 12" tan with brown dots floor tile with non-asbestos containing mastic.

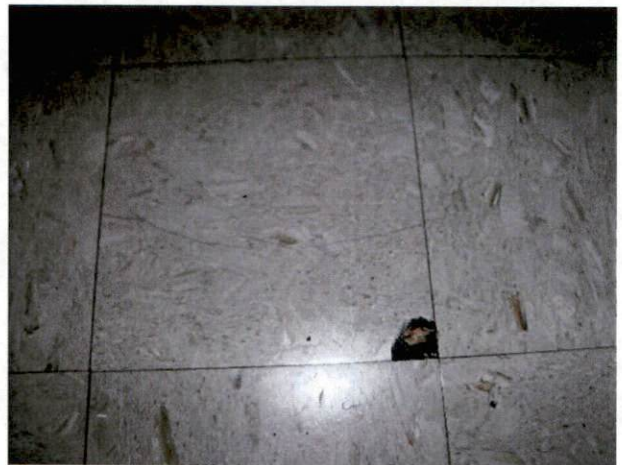


Photo #22 View of HA 18, asbestos-containing mastic with OSHA-regulated asbestos-containing 12" x 12" beige with tan splotches floor tile.



Photo #23 View of HA 19, non-asbestos containing 2' x 2' ceiling tile with dots and fissures.



Photo #24 View of HA 20, non-asbestos containing 12" x 12" beige with tan and white splotches floor tile and mastic.



Photo #25 View of HA 21, non-asbestos containing ceramic tile grout and mortar.



Photo #26 Canopy with HA 22, non-asbestos containing gray/black asphalt shingles and felt paper.



Photo #27 View of HA 23, non-asbestos containing plaster in boiler room.



Photo #28 View of boiler room with HA 24, OSHA-regulated asbestos-containing drywall and joint compound in boiler room.



Photo #29 View of HA 25, non-asbestos containing hard TSI elbow.



Photo #30 View of HA 26, non-asbestos containing red exterior door caulk.



Photo #31 View of HA 27, asbestos containing black roof mastic and non-asbestos containing gray roof mastic.



Photo #32 View of HA 28, asbestos-containing silver paint.



Photo #33 View of HA 29, non-asbestos containing white roof caulk on main roof.



Photo #34 View of HA 30, non-asbestos containing black roof caulk on main roof.

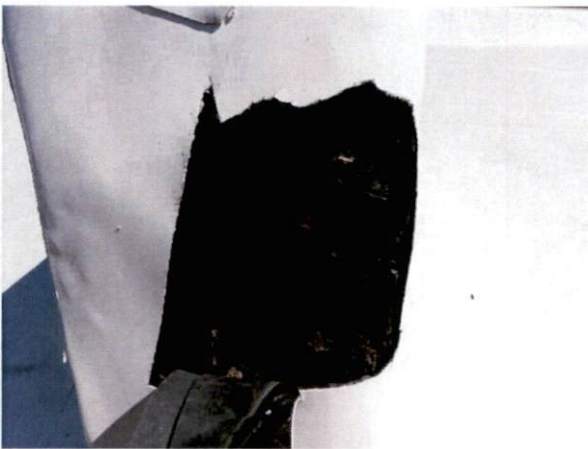


Photo #35 View of HA 31, asbestos-containing black roof mastic on brick.



Photo #36 View of HA 32, non-asbestos containing built-up roofing on canopy.



Photo #37 View of HA 33, asbestos containing exterior caulk.



Photo #38 View of HA 34, asbestos containing exterior window glazing.



Photo #1 View of gym.



Photo #2 View of east exterior.



Photo #3 View of south entry.



Photo #4 View of locker room.



Photo #5 View of crawlspace.



Photo #6 View of northeast storage room.



Photo #7 View of west roof.



Photo #8 View of HA 1, non-asbestos containing white roof caulk at brick on west roof.



Photo #9 View of HA 2, asbestos-containing white roof caulk at penetrations on west roof.

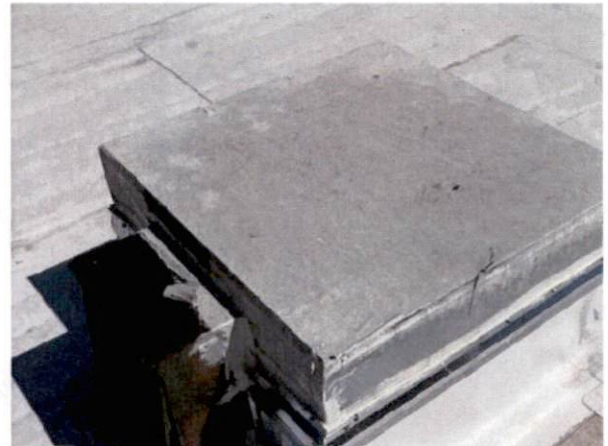


Photo #10 View of HA 3, non-asbestos containing gray wrap on roof-mounted HVAC unit.



Photo #11 View of HA 4, non-asbestos containing lightweight concrete.



Photo #12 View of HA 5, non-asbestos containing white caulk at lightning rod mount.



Photo #13 View of HA 6, non-asbestos containing black roof caulk on southwest roof.



Photo #14 View of exterior with HA 7, non-asbestos containing textured exterior soffit.



Photo #15 View of storage room with HA 8, non-asbestos containing textured ceiling plaster.



Photo #16 View of door frame with HA 9, asbestos-containing white exterior door caulk.



Photo #17 View of HA 10, asbestos-containing beige exterior door caulk.



Photo #18 View of windows with HA 11, asbestos-containing white exterior window glazing.



Photo #19 View of HA 12, non-asbestos containing built-up roofing under black membrane on southwest roof.



Photo #20 View of HA 14, asbestos-containing mastic with OSHA-regulated asbestos-containing 12" x 12" off-white with brown and white specks floor tile.



Photo #21 View of HA 17, non-asbestos containing 2' x 2' white ceiling tile with dots.



Photo #22 View of HA 18, asbestos-containing mastic with OSHA-regulated asbestos-containing 12" x 12" pink with white specks floor tile.



Photo #23 View of HA 19, non-asbestos containing CMU block filler.



Photo #24 View of HA 20, asbestos-containing mastic with OSHA-regulated asbestos-containing 12" x 12" light gray with white specks floor tile.



Photo #25 View of HA 21, non-asbestos containing black felt paper under hardwood flooring.



Photo #26 View of boy's locker room with HA 22, non-asbestos containing 2' x 2' white drywall ceiling tile.



Photo #27 View of HA 23, non-asbestos containing beige FRP adhesive.

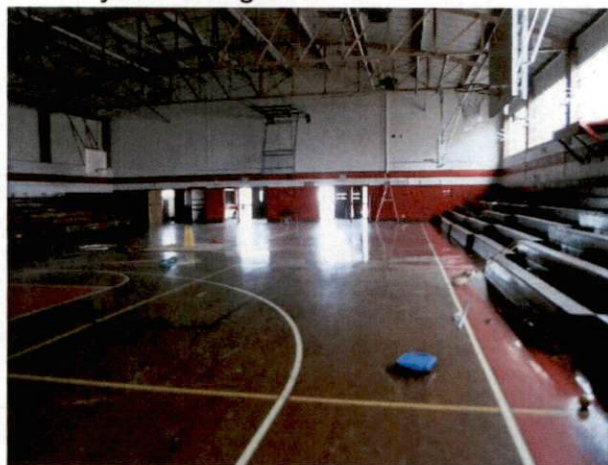


Photo #28 View of gym with HA 24, asbestos-containing interior window caulk.



Photo #29 View of HA 25, non-asbestos containing hard TSI elbow with canvas wrap.

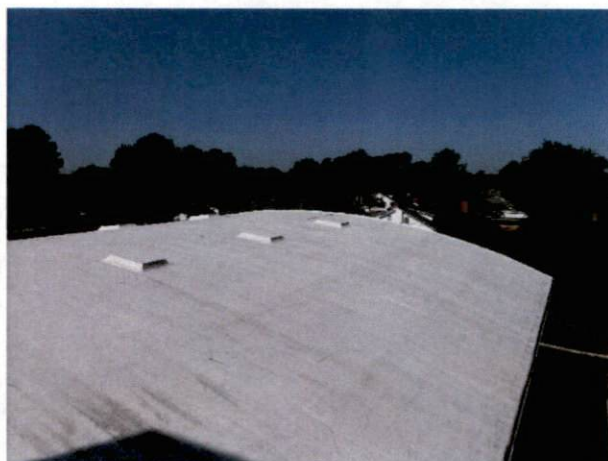


Photo #30 View of HA 26, non-asbestos containing white coating over silver paint with built-up roofing.



Photo #31 View of HA 27, non-asbestos containing black roof mastic on main roof.



Photo #1 View of building exterior.



Photo #2 View of cafeteria.



Photo #3 View of ceiling plenum.



Photo #4 View of northeast storage room.



Photo #5 View of office area.



Photo #6 View of lounge.



Photo #7 View of kitchen.



Photo #8 View of HA 2, non-asbestos containing white roof caulk at penetrations on east roof.



Photo #9 View of HA 3, non-asbestos-containing black shingles and felt paper.



Photo #10 View of HA 4, non-asbestos containing black roof mastic on east roof.



Photo #11 View of west roof.



Photo #12 View of HA 5, non-asbestos containing black roof caulk on west roof.



Photo #13 View of HA 6, non-asbestos containing white mastic on EPDM over built-up roofing on west roof.



Photo #14 View of HA 7, asbestos-containing silver paint and black flashing on west roof.



Photo #15 View of HA 8, non-asbestos containing 2' x 2' white ceiling tile with dots and pits.



Photo #16 View of HA 9, non-asbestos containing 4" black cove base and mastic.



Photo #17 View of HA 10, non-asbestos containing 6" black cove base and mastic.



Photo #18 View of HA 11, non-asbestos containing plaster.



Photo #19 View of HA 13, asbestos-containing mastic associated with non-asbestos containing 12" x 12" tri-beige floor tile and mastic.



Photo #20 View of HA 14, asbestos-containing textured coating on CMU and brick walls.



Photo #21 View of HA 15, asbestos-containing checkered 12" x 12" beige with brown specks/green floor tile and mastic.



Photo #22 View of HA 16, non-asbestos containing black mastic on foil-backed paper over fiberglass pipe insulation.



Photo #23 View of HA 17, non-asbestos containing brittle red fire caulk.



Photo #24 View of HA 18, non-asbestos containing dark red fire caulk.



Photo #25 View of HA 19, non-asbestos containing beige FRP mastic.



Photo #26 View of HA 20, non-asbestos containing 2' x 4' white ceiling tile with dots and fissures.



Photo #27 View of HA 21, non-asbestos containing tan glue behind plastic panel.



Photo #28 View of HA 22, non-asbestos containing ceramic wall tile grout and mortar.



Photo #29 View of HA 23, non-asbestos containing ceramic wall tile grout and mortar.



Photo #30 View of HA 24, non-asbestos containing ceramic floor tile grout and mortar.



Photo #31 View of HA 25, OSHA-regulated asbestos-containing CMU block filler.



Photo #32 View of HA 26, non-asbestos containing 12" x 12" off-white with brown specks floor tile and mastic.



Photo #33 View of HA 27, non-asbestos containing exterior window caulk at brick.



Photo #34 View of HA 28, asbestos-containing exterior window caulk.



Photo #35 View of cafeteria with HA 29, asbestos-containing interior window glazing.



Photo #36 View of HA 32, asbestos-containing white with gray interior window glazing.



Photo #1 View of building exterior.

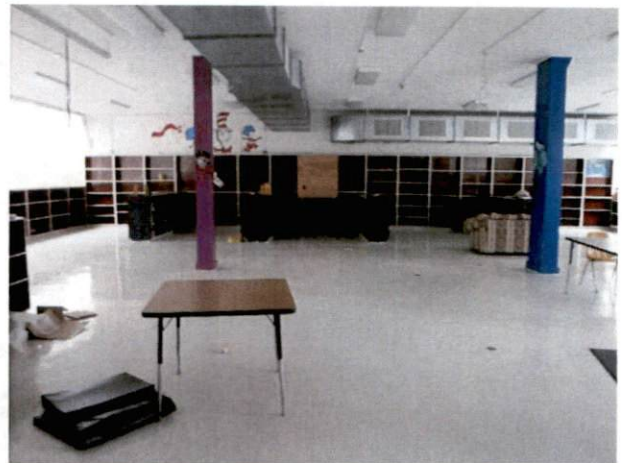


Photo #2 View of library.



Photo #3 View of office area.



Photo #4 View of restroom lobby.



Photo #5 View of restroom.



Photo #6 View of computer room.

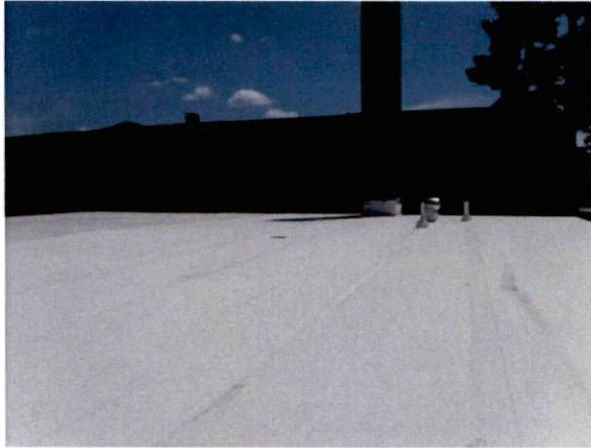


Photo #7 View of roof.



Photo #8 View of HA 1, non-asbestos containing white roof caulk.



Photo #9 View of HA 2, non-asbestos-containing black tar under roof membrane and foam insulation.



Photo #10 View of HA 3, non-asbestos containing black roof mastic on east roof.



Photo #11 View of HA 4, non-asbestos containing 12" x 12" white with blue and green specks floor tile and mastic.



Photo #12 View of HA 5, non-asbestos containing ceramic floor tile grout and mortar.



Photo #13 View of HA 6, non-asbestos containing textured ceiling plaster.



Photo #14 View of sink with HA 8, asbestos-containing black sink mastic.



Photo #15 View of HA 9, asbestos-containing 9" x 9" brown floor tile and mastic remaining under built-in shelving.



Photo #16 View of HA 10, non-asbestos containing built-up roofing with silver paint on canopy.



Photo #17 View of HA 11, non-asbestos containing black roof mastic on canopy.



Photo #18 View of HA 12, non-asbestos containing ceramic wall tile grout and mortar.



Photo #19 View of HA 13, non-asbestos containing gray HVAC duct putty.



Photo #20 View of HA 14, non-asbestos containing drywall.



Photo #21 View of windows with HA 15, non-asbestos containing off-white exterior window glazing.



Photo #22 View of HA 16, non-asbestos containing white exterior caulk.



Photo #23 View of HA 17, non-asbestos containing concrete at flue.



Photo #1 View of the front exterior.



Photo #2 View of a basement.



Photo #3 View of classroom.



Photo #4 View of classroom.



Photo #5 View of band room.



Photo #6 View of music room.



Photo #7 View of HA 1, asbestos-containing air-o-cell pipe insulation.



Photo #8 View of HA 2, non-asbestos containing hard TSI joint with tan canvas wrap.



Photo #9 View of HA 3, asbestos-containing hard TSI joint associated with HA 1.



Photo #10 View of crawlspace with HA 1, asbestos-containing air-o-cell pipe insulation and HA 3, asbestos-containing hard TSI joint.



Photo #11 View of HA 4, non-asbestos containing white mud TSI joint.

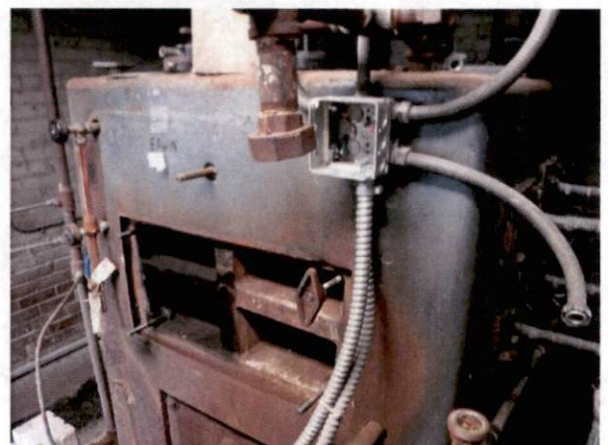


Photo #12 View of boiler with HA 5, asbestos-containing boiler rope gasket.

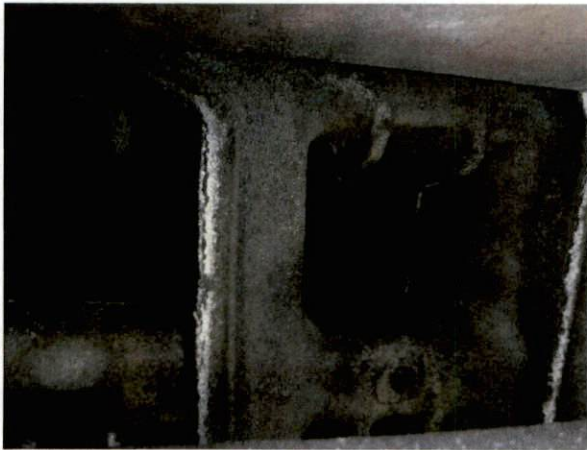


Photo #13 View of HA 5, asbestos-containing boiler rope gasket.



Photo #14 View of HA 6, non-asbestos containing lightweight concrete.



Photo #15 View of boiler window with HA 7, asbestos-containing interior window glazing.



Photo #16 View of HA 8, non-asbestos containing plaster.



Photo #17 View of HA 9, asbestos-containing 9" x 9" gray floor tile and mastic in basement.



Photo #18 View of HA 10, non-asbestos containing red firestop.



Photo #19 View of HA 11, non-asbestos containing black waterproofing.



Photo #20 View of HA 12, non-asbestos containing plaster over non-asbestos containing drywall lathe.



Photo #21 View of HA 13, non-asbestos containing black roof caulk.



Photo #22 View of HA 14, non-asbestos containing gray shingles and felt paper.



Photo #23 View of HA 15, non-asbestos containing 12" x 12" off-white speckled floor tile and mastic.



Photo #24 View of HA 16, restroom with non-asbestos containing 12" x 12" light gray with gray specks floor tile and mastic.



Photo #25 View of HA 17, asbestos-containing tan floor tile and mastic and HA 18, non-asbestos containing blue floor tile with asbestos-containing mastic.



Photo #26 View of HA 19, non-asbestos containing black felt paper under hardwood flooring.



Photo #27 View of HA 20, non-asbestos containing gray vinyl sheet flooring with black felt backing.

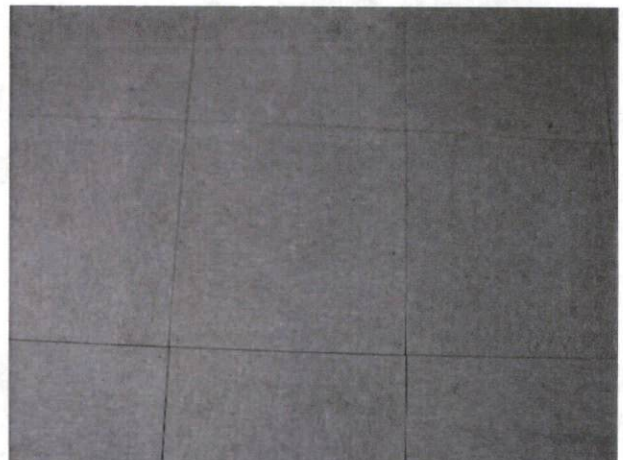


Photo #28 View of HA 21, non-asbestos containing 12" x 12" tri-beige floor tile and mastic.

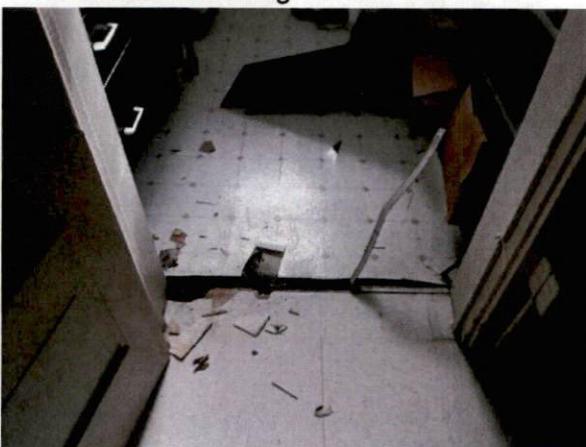


Photo #29 View of HA 22, non-asbestos containing white with 4" grid and brown diamond vinyl sheet flooring.



Photo #30 View of HA 23 non-asbestos drywall and joint compound above HA 24, non-asbestos containing ceiling tile.



Photo #31 View of radiator with HA 25, non-asbestos containing silver paint.



Photo #32 View of HA 26, non-asbestos containing yellow carpet glue and brown paint.



Photo #33 View of HA 27, non-asbestos containing 4" black cove base and mastic.



Photo #34 View of sink with HA 29, asbestos-containing black sink mastic.



Photo #35 View of HA 30, non-asbestos containing beige FRP mastic.



Photo #36 View of HA 31, non-asbestos containing brown FRP mastic.



Photo #37 View of HA 32, asbestos-containing exterior caulk.



Photo #38 View of HA 33, non-asbestos containing exterior window glazing.



Photo #39 View of HA 34, non-asbestos containing black shingles and felt paper.



Photo #40 View of HA 36, non-asbestos containing ceramic wall tile grout and mortar.

APPENDIX F
ACCREDITATIONS

North Carolina
Asbestos Accreditation



Alicia N Coley
46 Smithwood Dr
Fuquay-varina, NC 27526

123858

EXPIRATION			
03-31-2020			
DOB	SEX	HT	WT
09-07-1983	F	5'5"	130
CLASS		#	EXP
DESIGNER		40502	07-20
INSPECTOR		12548	03-20
SUPER AIR MON/TOR		90159	01-20

**North Carolina
Asbestos Accreditation**



Paul A Turner III
2401 Brentwood Rd Ste 107
Raleigh, NC 27604

123358

EXPIRATION			
01-31-2020			
DOB	SEX	HT	WT
04-20-1995	M	6'0"	185
CLASS	#	EXP	
INSPECTOR	13155	01-20	