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





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

Alicia Coluy

For: Russell Harrings, CIH

Authorized Project Reviewer

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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

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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

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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,

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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 HHCU.

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 HHCU. Applications must be postmarked or received by the HHCU 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.

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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

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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 contactor 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.

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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

ASBESTOS SURVEY SAMPLE SUMMARY Erwin Elementary School - Building 1 (2-Story Building) 301 South 10th Street

НА	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% Chrysotil
2	1-6	Drywall and Joint Compound	Hall at Room 211	Composite: <0.25% Chrysotile (EPA Point Count) Drywall: None Detected Joint Compound: 2% Chrysotil
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

ASBESTOS SURVEY SAMPLE SUMMARY Erwin Elementary School - Building 1 (2-Story Building) 301 South 10th Street

Erwin, North Carolina

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НА	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
-	100 500	100000000000000000000000000000000000000	Upper Auditorium West Back	Base Coat: None Detected Skim Coat: None Detected
8	1-33	Textured Plaster	Room	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

ASBESTOS SURVEY SAMPLE SUMMARY Erwin Elementary School - Building 1 (2-Story Building) 301 South 10th Street

НА	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

ASBESTOS SURVEY SAMPLE SUMMARY

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НА	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

ASBESTOS SURVEY SAMPLE SUMMARY Erwin Elementary School - Building 1 (2-Story Building) 301 South 10th Street

НА	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.

ASBESTOS SURVEY SAMPLE SUMMARY Erwin Elementary School - Gym Building

НА	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)

ASBESTOS SURVEY SAMPLE SUMMARY Erwin Elementary School - Gym Building

НА	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)

ASBESTOS SURVEY SAMPLE SUMMARY Erwin Elementary School - Gym Building

НА	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

ASBESTOS SURVEY SAMPLE SUMMARY Erwin Elementary School - Gym Building

НА	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.

ASBESTOS SURVEY SAMPLE SUMMARY

Erwin Elementary School - Building 3 (Cafeteria)

НА	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

ASBESTOS SURVEY SAMPLE SUMMARY

Erwin Elementary School - Building 3 (Cafeteria)

НА	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

ASBESTOS SURVEY SAMPLE SUMMARY

Erwin Elementary School - Building 3 (Cafeteria)

НА	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

ASBESTOS SURVEY SAMPLE SUMMARY

Erwin Elementary School - Building 3 (Cafeteria)

НА	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.

ASBESTOS SURVEY SAMPLE SUMMARY

Erwin Elementary School - Building 4 (Media Center)

НА	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)

ASBESTOS SURVEY SAMPLE SUMMARY Erwin Elementary School - Building 4 (Media Center)

на	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.

ASBESTOS SURVEY SAMPLE SUMMARY Erwin Elementary School - Building 5 (RAM Building) 301 South 10th Street

на	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	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
-		1 laster	Duscinent (Cottoon)	Base Coat: None Detected Skim Coat: None Detected
8	5-23	Plaster	Door to Kitchen	Base Coat: None Detected
8	5-24	Plaster	Cafeteria Southeast	Skim Coat: None Detected
	F.05		220 220 22 22 2 2 2 2 2 2 2 2 2 2 2 2 2	Base Coat: None Detected Skim Coat: None Detected
8	5-25	Plaster	Room 305 Closet	Base Coat: None Detected
8	5-26	Plaster	Poom 20E	Texture: None Detected
0	5-20	riaster	Room 305	Skim Coat: None Detected Base Coat: None Detected
				Texture: None Detected
8	5-27	Plaster	Room 304 Closet	Skim Coat: None Detected
-				Base Coat: None Detected Texture: None Detected
8	5-28	Plaster	Room 305 Closet	Skim Coat: None Detected
		- Constitution of the Cons		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)

ASBESTOS SURVEY SAMPLE SUMMARY Erwin Elementary School - Building 5 (RAM Building) 301 South 10th Street

НА	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		None Detected
	5-42		West at Canopy	
13	55 300	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

ASBESTOS SURVEY SAMPLE SUMMARY Erwin Elementary School - Building 5 (RAM Building) 301 South 10th Street

на	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

ASBESTOS SURVEY SAMPLE SUMMARY Erwin Elementary School - Building 5 (RAM Building) 301 South 10th Street

НА	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

НА	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

НА	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 Fee

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

НА	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

НА	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

MATERIALS WITH ELSS THAT 170 ASSESTED							
НА	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

НА	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

на	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

на	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 buillt-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

НА	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



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:

Phone:

Fax: (919) 873-9555

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

Attention: Alicia Coley

Terracon Consultants, Inc.

2401 Brentwood Road

Suite 107

Raleigh, NC 27604

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**

			<u>Asbestos</u>		
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
1-1	Room 110 - Black Felt Paper under	Brown/Black Fibrous	70% Cellulose	30% Non-fibrous (Other)	None Detected
291909102-0001	Hardwood Flooring	Homogeneous			
1-2	Room 110 - Black Felt Paper under	Brown/Black Fibrous	70% Cellulose	30% Non-fibrous (Other)	None Detected
291909102-0002	Hardwood Flooring	Homogeneous			
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	Hall at Room 110 - Drywall and Joint	Brown/Gray Fibrous	15% Cellulose <1% Glass	20% Ca Carbonate 30% Gypsum	None Detected
291909102-0004	Compound	Homogeneous	1 76 Glass	35% Non-fibrous (Other)	
This HA sample group is not	and the same of th	· · · · · · · · · · · · · · · · · · ·		,	
1-4-Joint Compound	Hall at Room 110 - Drywall and Joint	Beige Fibrous	2% Cellulose	60% Ca Carbonate 36% Non-fibrous (Other)	2% Chrysotile
291909102-0004A 1-4-Composite	Compound Hall at Room 110 -	Homogeneous Brown/Gray/Beige	10% Cellulose	20% Ca Carbonate	<1% Chrysotile
	Drywall and Joint	Fibrous	<1% Glass	20% Gypsum	1770 Olliyoodio
291909102-0004B	Compound	Homogeneous		50% Non-fibrous (Other)	
1-5-Drywall	Hall at Room 212 - Drywall and Joint	Brown/Gray Fibrous	15% Cellulose 2% Glass	20% Ca Carbonate 30% Gypsum	None Detected
291909102-0005	Compound	Homogeneous		33% Non-fibrous (Other)	
1-5-Joint Compound	Hall at Room 212 - Drywall and Joint	Beige Fibrous	2% Cellulose	60% Ca Carbonate 36% Non-fibrous (Other)	2% Chrysotile
291909102-0005A	Compound	Homogeneous			
1-5-Composite	Hall at Room 212 - Drywall and Joint	Brown/Gray/Beige Fibrous	10% Cellulose <1% Glass	20% Ca Carbonate 20% Gypsum	<1% Chrysotile
291909102-0005B	Compound	Homogeneous		50% Non-fibrous (Other)	
1-6-Drywall	Hall at Room 211 - Drywall and Joint	Brown/Gray Fibrous	20% Cellulose	40% Gypsum 40% Non-fibrous (Other)	None Detected
291909102-0006	Compound	Homogeneous		Company of the Compan	
1-6-Joint Compound	Hall at Room 211 - Drywall and Joint	White Fibrous	2% Cellulose	60% Ca Carbonate 36% Non-fibrous (Other)	2% Chrysotile
291909102-0006A	Compound	Homogeneous			
1-6-Composite	Hall at Room 211 - Drywall and Joint	Brown/Gray/White Fibrous	15% Cellulose	20% Ca Carbonate 30% Gypsum	<1% Chrysotile
291909102-0006B	Compound	Homogeneous		35% Non-fibrous (Other)	
1-7	Auditorium - Drywall and Joint Compound	Brown/Gray/White Fibrous	10% Cellulose <1% Glass	20% Ca Carbonate 20% Gypsum	None Detected
291909102-0007	554	Homogeneous		50% Non-fibrous (Other)	
This is a composite result of	drywall, and joint compound				
1-8	Auditorium - Drywall and Joint Compound	Brown/Gray/White Fibrous	10% Cellulose <1% Glass	20% Ca Carbonate 20% Gypsum	None Detected
291909102-0008		Homogeneous		50% Non-fibrous (Other)	
This is a composite result of					
1-9-Skim Coat	Room 110 - Plaster with Drywall Lathe	Brown/Gray/White Non-Fibrous		10% Quartz 60% Ca Carbonate	None Detected
291909102-0009		Homogeneous		30% Non-fibrous (Other)	



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1-9-Base Coat Room 110 - Plaster With Dywall Lathe Homogeneous 15% Cellulose 20% Ca Carbonate A0% Ca Carbonate A0	<u>Asbestos</u>		VALUE COLUMN TO THE STATE OF TH	Non-Asbestos	**************************************	_	• Desires • Co
### Non-Fibrous 49% Ca Carbonate Non-Fibrous 45% Non-Fibrous 45% Non-Fibrous 15% Cellulose 20% Ca Carbonate None 10-P-Drywall Room 110 - Plaster With Drywall Lathe Fibrous 15% Cellulose 20% Ca Carbonate None 10-P-Drywall Room 212 - Plaster With Drywall Non-Fibrous 15% Cellulose 20% Ca Carbonate None 10-P-Drywall None 10-P-Dr	% Type	%	% Non-Fibrous	% Fibrous	Appearance	Description	Sample
1-9-Drywall Room 110 - Plaster with Drywall Lathe Prows Plaster with Drywall Lathe Plaster with Drywall Lathe Plaster with Drywall Lathe Plaster with Drywall Report Plaster with Drywall Plas	None Detected		40% Ca Carbonate		Non-Fibrous		
with Drywall Lathe Homogeneous 30% Gypsum 35% Non-fibrous (Other) 1-10-Skim Coat Hall at Room 212 - Plaster with Drywall Lathe Homogeneous 45% Non-fibrous (Other) 1-10-Base Coat Hall at Room 212 - Plaster with Drywall Lathe Homogeneous 45% Non-fibrous (Other) 1-10-Base Coat Hall at Room 212 - Plaster with Drywall Lathe Homogeneous 40% Non-fibrous (Other) 1-10-Drywall Hall at Room 212 - Plaster with Drywall Lathe Homogeneous 40% Non-fibrous (Other) 1-10-Drywall Hall at Room 212 - Plaster with Drywall Lathe Homogeneous 2% Glass 30% Gypsum 32% Non-fibrous (Other) 1-11-Skim Coat Room 212 - Plaster with Drywall Lathe Homogeneous 45% Non-fibrous (Other) 1-11-Base Coat with Drywall Lathe Homogeneous 45% Non-fibrous (Other) 1-11-Drywall Room 212 - Plaster with Drywall Lathe Homogeneous 45% Non-fibrous (Other) 1-11-Drywall Room 212 - Plaster with Drywall Lathe Homogeneous 45% Non-fibrous (Other) 1-11-Drywall Room 212 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate Non-Fibrous 40% Ca Car							
This is a composite result of drywall, and joint compound	None Detected		30% Gypsum	15% Cellulose	•		
1-10-Skim Coat		er)	35% Non-fibrous (Other)		Homogeneous		TO THE RESERVE OF THE PARTY OF
Plaster with Drywall Non-Fibrous 45% Non-fibrous (Other)						drywall, and joint compound	This is a composite result of
1-10-Base Coat	None Detected	None					1-10-Skim Coat
1-10-Base Coat		10 (PCC) 4 ()				An annual section of the section of	204020400 0040
Plaster with Drywall Non-Fibrous 40% Ca Carbonate None							
	None Detected	None					1-10-Base Coat
1-10-Drywall		or)			(15 Theory of contractions)		291909102-0010A
Plaster with Drywall Fibrous 2% Glass 30% Gypsum 33% Non-fibrous (Other)				159/ Callulana			
	None Detected	None					1-10-Drywall
1-11-Skim Coat Room 212 - Plaster with Drywall Lathe with Drywall		er)		276 01833		Control of the Contro	291909102-0010B
with Drywall Lathe Non-Fibrous Homogeneous 45% Non-fibrous (Other) 1-11-Base Coat with Drywall Lathe Non-Fibrous Homogeneous 45% Non-fibrous (Other) 1-11-Base Coat with Drywall Lathe Non-Fibrous Homogeneous 40% Non-fibrous (Other) 1-11-Drywall Room 212 - Plaster Brown/Gray 15% Cellulose 20% Ca Carbonate A0% Non-fibrous (Other) 1-11-Drywall Room 212 - Plaster With Drywall Lathe Fibrous 2% Glass 30% Gypsum 33% Non-fibrous (Other) 1-12-Skim Coat Room 211 - Plaster With Drywall Lathe Non-Fibrous 40% Ca Carbonate None 45% Non-fibrous (Other) 1-12-Base Coat Room 211 - Plaster With Drywall Lathe Non-Fibrous 40% Ca Carbonate A0% Non-fibrous (Other) 1-13-Skim Coat Room 213 - Plaster With Drywall Lathe Non-Fibrous 40% Ca Carbonate A0% Non-fibrous (Other) 1-13-Base Coat Room 213 - Plaster With Drywall Lathe Non-Fibrous 40% Ca Carbonate A0% Non-fibrous (Other) 1-13-Base Coat Room 213 - Plaster With Drywall Lathe Non-Fibrous 40% Ca Carbonate A0% Non-fibrous (Other) 1-13-Base Coat Room 213 - Plaster With Drywall Lathe Non-Fibrous 40% Ca Carbonate A0% Non-fibrous (Other) 1-14-Base Coat Room 213 - Plaster With Drywall Lathe Non-Fibrous 40% Ca Carbonate A0% Non-fibrous (Other) 1-14-Skim Coat Room 213 - Plaster With Drywall Lathe Non-Fibrous 40% Ca Carbonate A0% Non-fibrous (Other) 1-14-Base Coat Room 109 - Plaster With Drywall Lathe Non-Fibrous 40% Ca Carbonate A0% Non-fibrous (Other) 1-14-Base Coat Room 109 - Plaster With Drywall Lathe Non-Fibrous 40% Ca Carbonate A0% Non-fibrous (Other) 1-14-Base Coat Room 109 - Plaster With Drywall Lathe Non-Fibrous 40% Ca Carbonate A0% Non-fibrous (Other) 1-14-Drywall Room 109 - Plaster With Drywall Lathe Non-Fibrous 40% Ca Carbonate A0% Non-fibrous (Other) 1-14-Base Coat Room 109 - Plaster With Drywall Lathe Non-Fibrous 40% Ca Carbonate A0% Non-fibrous (Other) 1-14-Base Coat Room 109 - Plaster With Drywall Lathe Non-Fibrous 40% Ca Carbonate A0% Non-fibrous (Other) 1-14-Base Coat Room 109 - Plaster With Drywall Lathe Non-Fibrous A0% Ca Carbonate A0% Non-fibrous (Other) 1	None Detected						
Homogeneous	Notice Detected	None					Okiiii Obat
1-11-Base Coat Room 212 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate 40% Non-fibrous (Other) -11-Drywall Room 212 - Plaster with Drywall Lathe Brown/Gray 15% Cellulose 20% Ca Carbonate None -12-Skim Coat Room 211 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate None -12-Skim Coat Room 211 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate None -12-Base Coat Room 211 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate None -13-Skim Coat Room 211 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate None -13-Skim Coat Room 213 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate None -13-Skim Coat Room 213 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate -13-Base Coat Room 213 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate -14-Skim Coat Room 213 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate -14-Skim Coat Room 109 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate -14-Skim Coat Room 109 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate -14-Base Coat Room 109 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate -14-Base Coat Room 109 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate -14-Base Coat Room 109 - Plaster with Drywall Lathe Room-Gray 20% Cellulose 40% Non-fibrous (Other) -14-Base Coat Room 109 - Plaster with Drywall Lathe Room-Gray 20% Cellulose 40% Non-fibrous (Other) -14-Base Coat Room 119 - Plaster with Drywall Lathe Room-Gray 20% Cellulose 40% Non-fibrous (Other) -15-Skim Coat Room 112 - Plaster with Drywall Lathe Room-Fibrous 40% Ca Carbonate -15-Skim Coat Room 112 - Plaster with Drywall Lathe Room-Fibrous 40% Ca Carbonate -15-Skim Coat Room 112 - Plaster with Drywall Lathe Room-Fibrous 40% Ca Carbonate -15-Skim Coat Room 112 - Plaster with Drywall Lathe Room-Fibrous 40% Ca Carbonate -15-S		er)					291909102-0011
With Drywall Lathe Non-Fibrous Homogeneous Homogen	None Detected				Tan	Room 212 - Plaster	1-11-Base Coat
Homogeneous Homogeneous Homogeneous Homogeneous Homogeneous Homogeneous Homogeneous Homogeneous 20% Ca Carbonate None Mone Mo	Dollottou	110116					
With Drywall Lathe		er)			Homogeneous	E (1 - 1500)	291909102-0011A
With Drywall Lathe	None Detected	None	20% Ca Carbonate	15% Cellulose	Brown/Gray	Room 212 - Plaster	1-11-Drywall
1-12-Skim Coat Room 211 - Plaster with Drywall Lathe Non-Fibrous Homogeneous	Tono Dottotto	710110			Fibrous	with Drywall Lathe	1
with Drywall Lathe Non-Fibrous Homogeneous Homogen		er)	33% Non-fibrous (Other)		Homogeneous		291909102-0011B
Homogeneous	None Detected	None	15% Quartz		White	Room 211 - Plaster	1-12-Skim Coat
1-12-Base Coat Room 211 - Plaster with Drywall Lathe Non-Fibrous Homogeneous			40% Ca Carbonate		Non-Fibrous	with Drywall Lathe	
with Drywall Lathe Non-Fibrous Homogeneous Homogen		er)	45% Non-fibrous (Other)		Homogeneous		91909102-0012
Homogeneous	None Detected	None	20% Quartz		Tan	Room 211 - Plaster	1-12-Base Coat
1-13-Skim Coat Room 213 - Plaster with Drywall Lathe Non-Fibrous Homogeneous Non-Fibrous Homogeneous 1-13-Base Coat Room 213 - Plaster with Drywall Lathe Non-Fibrous Homogeneous 1-13-Base Coat Room 213 - Plaster with Drywall Lathe Non-Fibrous Homogeneous None Room 213 - Plaster with Drywall Lathe Non-Fibrous Homogeneous None Room 109 - Plaster with Drywall Lathe Non-Fibrous Homogeneous None Room 109 - Plaster with Drywall Lathe Non-Fibrous Homogeneous None Room 109 - Plaster with Drywall Lathe Non-Fibrous Homogeneous None Room 109 - Plaster with Drywall Lathe Non-Fibrous Homogeneous None Room 109 - Plaster With Drywall Lathe Non-Fibrous Homogeneous None Room 109 - Plaster With Drywall Lathe Non-Fibrous Homogeneous None Room 109 - Plaster With Drywall Lathe Non-Fibrous Homogeneous None Room 109 - Plaster With Drywall Lathe Non-Fibrous Homogeneous None Room 109 - Plaster With Drywall Lathe Non-Fibrous Homogeneous None Room 109 - Plaster With Drywall Lathe Non-Fibrous Homogeneous None Room 109 - Plaster With Drywall Lathe Non-Fibrous Homogeneous None Room 109 - Plaster With Drywall Lathe Non-Fibrous Homogeneous None Room 109 - Plaster With Drywall Lathe Non-Fibrous Homogeneous None Room 109 - Plaster With Drywall Lathe Non-Fibrous Homogeneous None Room 109 - Plaster With Drywall Lathe Non-Fibrous Homogeneous None Room 109 - Plaster With Drywall Lathe Non-Fibrous Homogeneous None Room 109 - Plaster With Drywall Lathe Non-Fibrous Homogeneous None Room 109 - Plaster With Drywall Lathe Non-Fibrous Homogeneous None Room 109 - Plaster With Drywall Lathe Non-Fibrous Homogeneous None Room 109 - Plaster With Drywall Lathe Non-Fibrous Homogeneous None Room 109 - Plaster With Drywall Lathe Non-Fibrous Homogeneous None Room 109 - Plaster With Drywall Lathe Non-Fibrous Homogeneous None Room 109 - Plaster With Drywall Lathe Non-Fibrous Homogeneous None Room 109 - Plaster With Drywall Lathe None Room 109 - Plaster With Drywall Lathe None Room 109 - Plaster With Drywall Lathe None Room 109 - Plaster						with Drywall Lathe	
with Drywall Lathe Non-Fibrous Homogeneous 40% Ca Carbonate Homogeneous 40% Non-fibrous (Other) I-13-Base Coat Room 213 - Plaster with Drywall Lathe Non-Fibrous Homogeneous 40% Ca Carbonate Homogeneous 45% Non-fibrous (Other) I-14-Skim Coat Room 109 - Plaster with Drywall Lathe Non-Fibrous Homogeneous 40% Ca Carbonate Homogeneous 40% Non-fibrous (Other) I-14-Base Coat Room 109 - Plaster with Drywall Lathe Non-Fibrous Homogeneous 50% Non-fibrous (Other) I-14-Drywall Room 109 - Plaster with Drywall Lathe Fibrous Homogeneous 50% Non-fibrous (Other) I-14-Drywall Room 109 - Plaster with Drywall Lathe Fibrous Homogeneous 40% Ga Carbonate Homogeneous 50% Non-fibrous (Other) I-15-Skim Coat Room 112 - Plaster with Drywall Lathe Non-Fibrous Homogeneous 40% Ca Carbonate Homogeneous Homogeneous 40% Ca Carbonate Homogeneous 40% Non-fibrous (Other) I-15-Skim Coat Room 112 - Plaster with Drywall Lathe Non-Fibrous Homogeneous 40% Ca Carbonate Homogeneous 40% Non-fibrous (Other)		er)	40% Non-fibrous (Other)		Homogeneous		291909102-0012A
Homogeneous 40% Non-fibrous (Other) 1-13-Base Coat Room 213 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate Homogeneous 45% Non-fibrous (Other) 1-14-Skim Coat Room 109 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate 40% Ca Carbonate 40% Non-fibrous (Other) 1-14-Skim Coat Room 109 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate 40% Non-fibrous (Other) 1-14-Base Coat Room 109 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate 40% Non-fibrous (Other) 1-14-Base Coat Room 109 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate 50% Non-fibrous (Other) 1-14-Drywall Room 109 - Plaster with Drywall Lathe Fibrous 40% Ca Carbonate 40% Non-fibrous (Other) 1-15-Skim Coat Room 112 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate 40% Non-fibrous (Other) 1-15-Skim Coat Room 112 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate 40% Ca Carbonate 40% Non-fibrous (Other) 1-15-Skim Coat Room 112 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected	None					I-13-Skim Coat
1-13-Base Coat Room 213 - Plaster With Drywall Lathe Non-Fibrous Homogeneous						with Drywall Lathe	201000102 0012
with Drywall Lathe Non-Fibrous 40% Ca Carbonate 45% Non-fibrous (Other) I-14-Skim Coat Room 109 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate 40% Ca Carbonate 40% Non-fibrous (Other) I-14-Base Coat Room 109 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate 40% Non-fibrous (Other) I-14-Base Coat Room 109 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate 40% Non-fibrous (Other) I-14-Drywall Room 109 - Plaster Whomogeneous 50% Non-fibrous (Other) I-15-Skim Coat Room 112 - Plaster White 20% Quartz None with Drywall Lathe Non-Fibrous 40% Ca Carbonate 40% Ca Carbonate 40% Ca Carbonate 40% Non-fibrous (Other) I-15-Skim Coat Room 112 - Plaster White 20% Quartz None 40% Ca Carbonate 40% Non-fibrous (Other)							
Homogeneous 45% Non-fibrous (Other)	None Detected	None					1-13-Base Coat
1-14-Skim Coat Room 109 - Plaster with Drywall Lathe Room 109 - Plaster Brown/Gray Room 109 - Plaster With Drywall Lathe Room 109 - Plaster Brown/Gray Room 109 - Plaster With Drywall Lathe Room 109 - Plaster White Room 109 - Plaster		er)				with Drywall Lathe	291909102-0013A
with Drywall Lathe Non-Fibrous 40% Ca Carbonate 40% Non-fibrous (Other) 1-14-Base Coat Room 109 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate 40% Non-fibrous (Other) 1-14-Drywall Room 109 - Plaster with Drywall Lathe Fibrous 40% Ca Carbonate 40% Non-fibrous (Other) 1-14-Drywall Room 109 - Plaster with Drywall Lathe Fibrous 40% Non-fibrous (Other) 1-15-Skim Coat Room 112 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate 40% Non-fibrous (Other)	J					Poom 100 Plantas	
Homogeneous	None Detected	None					1-14-Skiifi Coat
1-14-Base Coat		er)				.mai Diyman Laulo	291909102-0014
with Drywall Lathe Non-Fibrous 40% Ca Carbonate 50% Non-fibrous (Other) 1-14-Drywall Room 109 - Plaster with Drywall Lathe Fibrous 40% Cellulose 40% Gypsum None 40% Non-fibrous (Other) 1-15-Skim Coat Room 112 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate 40% Ca Carbonate 40% Ca Carbonate 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected					Room 109 - Plaster	1-14-Base Coat
Homogeneous 50% Non-fibrous (Other) 1-14-Drywall Room 109 - Plaster with Drywall Lathe Fibrous Homogeneous 40% Gypsum None 40% Non-fibrous (Other) 1-15-Skim Coat Room 112 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate 40% Coat Carbonate 40% Non-fibrous (Other) None 40% Ca Carbonate 40% Non-fibrous (Other) 1-15-Skim Coat Room 112 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate 40% Non-fibrous (Other) 1-15-Skim Coat None 1-15-Skim Coat Non-Fibrous Non-Fibrous 1-15-Skim Coat Non-Fibrous Non-Fibrous 1-15-Skim Coat Non-Fibrous Non	None Detected	None					Daoo Joan
1-14-Drywall		er)					291909102-0014A
with Drywall Lathe Fibrous 40% Non-fibrous (Other) Homogeneous 1-15-Skim Coat Room 112 - Plaster with Drywall Lathe Non-Fibrous 40% Ca Carbonate Page 1999 102-0015 With Drywall Lathe Non-Fibrous 40% Ca Carbonate Homogeneous 40% Non-fibrous (Other)	None Detected		The state of the s	20% Cellulose	Brown/Gray	Room 109 - Plaster	1-14-Drywall
1-15-Skim Coat Room 112 - Plaster White 20% Quartz None with Drywall Lathe Non-Fibrous 40% Ca Carbonate Homogeneous 40% Non-fibrous (Other)					The second secon		•
with Drywall Lathe Non-Fibrous 40% Ca Carbonate 40% Non-fibrous (Other)		e-100ch	The second secon		Homogeneous		291909102-0014B
with Drywall Lathe Non-Fibrous 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected	None	20% Quartz		White	Room 112 - Plaster	I-15-Skim Coat
To the more (enter)						with Drywall Lathe	
A VALUE OF THE PROPERTY AND A PROPERTY OF THE		er)	40% Non-fibrous (Other)		Homogeneous		91909102-0015
	None Detected	None			The state of the s	Room 112 - Plaster	1-15-Base Coat
with Drywall Lathe Non-Fibrous 40% Ca Carbonate						with Drywall Lathe	204000402 00454
291909102-0015A Homogeneous 45% Non-fibrous (Other)		er)					
	None Detected			20% Cellulose			I-15-Drywall
with Drywall Lathe Fibrous 40% Non-fibrous (Other) 40% Non-fibrous (Other) 40% Non-fibrous (Other)		er)	40% Non-fibrous (Other)			with Drywall Lathe	201000102-0015P



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			Non-Asbestos	Asbestos	
ample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
-16	Room 110 - Black Sink Mastic	Black Fibrous		30% Ca Carbonate 62% Non-fibrous (Other)	8% Chrysotile
91909102-0016		Homogeneous			
-17	Room 110 - Black Sink Mastic				Positive Stop (Not Analyzed
91909102-0017					
-18	Room 110 - Black Sink Mastic				Positive Stop (Not Analyzed
1909102-0018					
-19	Room 109 - Silver Paint on Radiators	Various/Silver Fibrous	2% Cellulose	98% Non-fibrous (Other)	None Detected
91909102-0019		Homogeneous			
-20	Room 106 - Silver Paint on Radiators	Silver Fibrous	2% Cellulose	98% Non-fibrous (Other)	None Detected
91909102-0020		Homogeneous			
-21	Room 211 - Silver Paint on Radiators	Black/Silver Fibrous	2% Cellulose	98% Non-fibrous (Other)	None Detected
91909102-0021		Homogeneous			
-22	Hall at Room 110 - Brittle Red Fire Caulk	White/Red Fibrous	2% Cellulose	40% Ca Carbonate 58% Non-fibrous (Other)	None Detected
91909102-0022		Homogeneous			
-23	Hall at Room 110 - Brittle Red Fire Caulk	White/Red Fibrous	2% Cellulose	40% Ca Carbonate 58% Non-fibrous (Other)	None Detected
91909102-0023		Homogeneous			
-24	Hall at Room 110 - Brittle Red Fire Caulk	Red Non-Fibrous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
91909102-0024		Homogeneous			
-25	Hall at Room 110 - Dark Red Fire Caulk	Red Fibrous	10% Cellulose	25% Ca Carbonate 65% Non-fibrous (Other)	None Detected
91909102-0025		Homogeneous			
-26	Room 209A - Dark Red Fire Caulk	Red/Silver Fibrous	3% Cellulose	25% Ca Carbonate 72% Non-fibrous (Other)	None Detected
91909102-0026		Homogeneous		WD-2-14	
-27	Room 209A - Dark Red Fire Caulk	Red Fibrous	10% Glass	20% Ca Carbonate 70% Non-fibrous (Other)	None Detected
91909102-0027		Homogeneous			
-28 91909102-0028	Room 102 - Textured Plaster	Brown/White Non-Fibrous		10% Quartz 60% Ca Carbonate	None Detected
	Ast Flore Hell at	Homogeneous		30% Non-fibrous (Other)	
-29 91909102-0029	1st Floor Hall at Auditorium - Textured	Brown/White Non-Fibrous		10% Quartz 60% Ca Carbonate	None Detected
	Plaster	Homogeneous		30% Non-fibrous (Other)	
-30	Room 106 - Textured Plaster	Brown/White Non-Fibrous		10% Quartz 60% Ca Carbonate	None Detected
91909102-0030	D 465 T : :	Homogeneous		30% Non-fibrous (Other)	
-31 91909102-0031	Room 108 - Textured Plaster	Brown/Gold Non-Fibrous		60% Ca Carbonate 2% Micaceous Flakes	None Detected
	D 007 T	Homogeneous		38% Non-fibrous (Other)	
-32-Skim Coat	Room 207 - Textured Plaster	White Non-Fibrous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
	Doom 207 Touture 1	Homogeneous	410/ Oall Iana	AFW Owner	New Detected
91909102-0032A	Room 207 - Textured Plaster	Gray Non-Fibrous Homogeneous	<1% Cellulose	15% Quartz 40% Ca Carbonate 45% Non-fibrous (Other)	None Detected
-33-Skim Coat	Upper Auditorium West Back Room -	White		60% Ca Carbonate	None Detected
91909102-0033	Textured Plaster	Non-Fibrous Homogeneous		40% Non-fibrous (Other)	



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

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			Non-Asbestos				
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type		
1-33-Base Coat	Upper Auditorium West Back Room -	Gray Non-Fibrous	<1% Cellulose	15% Quartz 40% Ca Carbonate	None Detected		
291909102-0033A	Textured Plaster	Homogeneous		45% Non-fibrous (Other)			
1-34-Skim Coat	Hall at Room 203 - Textured Plaster	White Non-Fibrous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected		
	Hell at Daam 202	Homogeneous	449/ Callulana	450/ 0 1-	N D		
1-34-Base Coat	Hall at Room 203 - Textured Plaster	Gray Non-Fibrous Homogeneous	<1% Cellulose	15% Quartz 40% Ca Carbonate 45% Non-fibrous (Other)	None Detected		
	1et Floor Poulo		449/ Callulana		N D-ttI		
1-35	1st Floor Boy's Restroom - Beige FRP Adhesive	Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected		
	1st Floor Girl's		419/ Callulana	100% Non-Ebassa (Other)	N D-ttI		
1-36	Restroom - Beige FRP Adhesive	Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected		
			c19/ Callulana	100% Non-Sharin (Other)	None Detected		
1-37	1st Floor Boy's Restroom - Beige FRP Adhesive	Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected		
1-38	1st Floor East	Black		100% Non-fibrous (Other)	None Detected		
291909102-0038	Auditorium Dressing Room - Black Waterproofing	Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected		
1-39	1st Floor East	Black	**************************************	100% Non-fibrous (Other)	None Detected		
291909102-0039	Auditorium Dressing Room - Black	Non-Fibrous Homogeneous		100 % (NOT-INDIOUS (Outlet)	Hone Detected		
	Waterproofing						
1-40	1st Floor East Auditorium Dressing	Black Non-Fibrous		100% Non-fibrous (Other)	None Detected		
291909102-0040	Room - Black Waterproofing	Homogeneous					
1-41-Floor Tile	Office F - 12" x 12" Tri-tan Floor Tile and	White Non-Fibrous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected		
291909102-0041	Mastic	Homogeneous		,			
1-41-Mastic	Office F - 12" x 12" Tri-tan Floor Tile and	Tan Fibrous	2% Cellulose	98% Non-fibrous (Other)	None Detected		
291909102-0041A	Mastic	Homogeneous					
1-42-Floor Tile	Office F - 12" x 12" Tri-tan Floor Tile and	White Non-Fibrous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected		
291909102-0042	Mastic	Homogeneous		- 150 m - 1			
1-42-Mastic	Office F - 12" x 12" Tri-tan Floor Tile and	Tan Fibrous	2% Cellulose	98% Non-fibrous (Other)	None Detected		
	Mastic	Homogeneous		100/ 0- 0-1	No. 2 Control		
1-43-Floor Tile	Office F - 12" x 12" Tri-tan Floor Tile and Mastic	Tan Non-Fibrous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected		
	2-7-211-3-201102	Homogeneous	20/ 0-11-1	000/ No. 6/	N		
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		
		Homogeneous		400/ Ca Catherent	N D		
1-44-Floor Tile	Office F Restroom - 12" x 12" Tri-light Gray Floor Tile and	Gray Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected		
	Mastic						
1-44-Mastic	Office F Restroom - 12" x 12" Tri-light	Tan Fibrous	2% Cellulose	98% Non-fibrous (Other)	None Detected		
291909102-0044A	Gray Floor Tile and Mastic	Homogeneous					



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Customer PO: 70197439

Project ID:

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

			Non-Asbe	stos	<u>Asbestos</u>	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type	
-45-Floor Tile 91909102-0045	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	
-45-Mastic	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	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	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	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	Office F Restroom - 4" Black Cove Base	Tan Non-Fibrous	<1% Cellulose	100% Non-fibrous (Other)	None Detected	
91909102-0047A I-48-Cove Base	and Mastic Office F Restroom - 4" Black Cove Base and Mastic	Black Non-Fibrous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected	
-48-Mastic	Office F Restroom - 4" Black Cove Base	Tan Non-Fibrous	<1% Cellulose	100% Non-fibrous (Other)	None Detected	
1-49-Cove Base	and Mastic Office F Restroom - 4" Black Cove Base and Mastic	Black Non-Fibrous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected	
1-49-Mastic	Office F Restroom - 4" Black Cove Base	Tan Non-Fibrous	<1% Cellulose	100% Non-fibrous (Other)	None Detected	
91909102-0049A I-50-Floor Tile	and Mastic Hall at Office F - 9" x 9" Tan Floor Tile and Mastic	Brown Fibrous		40% Ca Carbonate 55% Non-fibrous (Other)	5% Chrysotile	
-50-Mastic 1	Hall at Office F - 9" x 9" Tan Floor Tile and	Homogeneous Black Fibrous		92% Non-fibrous (Other)	8% Chrysotile	
-50-Mastic 2	Mastic Hall at Office F - 9" x 9" Tan Floor Tile and	Clear Fibrous	2% Cellulose	98% Non-fibrous (Other)	None Detected	
-50-Leveler	Mastic Hall at Office F - 9" x 9" Tan Floor Tile and	Gray Fibrous	3% Cellulose	45% Ca Carbonate 52% Non-fibrous (Other)	None Detected	
91909102-0050C -51-Floor Tile	Mastic Office C - 9" x 9" Tan Floor Tile and Mastic	Homogeneous			Positive Stop (Not Analyzed	
91909102-0051 -51-Mastic 1	Office C - 9" x 9" Tan Floor Tile and Mastic				Positive Stop (Not Analyzed	
91909102-0051A -51-Mastic 2	Office C - 9" x 9" Tan Floor Tile and Mastic	Clear Fibrous	2% Cellulose	98% Non-fibrous (Other)	None Detected	
1-52-Floor Tile	Office E - 9" x 9" Tan	Homogeneous			Positive Stop (Not Analyzed	
291909102-0052	Floor Tile and Mastic					



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Sample	Description	Appearance	Non-Asbes % Fibrous	% Non-Fibrous	Asbestos % Type
1-52-Mastic 1	Office E - 9" x 9" Tan Floor Tile and Mastic				Positive Stop (Not Analyzed
291909102-0052A					
1-52-Mastic 2	Office E - 9" x 9" Tan Floor Tile and Mastic	Clear Non-Fibrous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
291909102-0052B		Homogeneous			
1-53-Cove Base	Office A - 4" Blue Cove Base and	Blue Non-Fibrous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
291909102-0053	Mastic	Homogeneous			
1-53-Mastic	Office A - 4" Blue Cove Base and	Tan Non-Fibrous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
291909102-0053A	Mastic	Homogeneous			
1-54-Cove Base	Reception - 4" Blue Cove Base and	Blue Non-Fibrous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
291909102-0054	Mastic	Homogeneous			
1-54-Mastic	Reception - 4" Blue Cove Base and Mastic	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
				40% 0- 0- 1 - 1	No. 5 to 1 to
1-55-Cove Base	Reception - 4" Blue Cove Base and Mastic	Blue Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
			419/ Callidana	100% Non Shares (Other)	Name Datastast
1-55-Mastic	Reception - 4" Blue Cove Base and Mastic	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
91909102-0056	Office Hall - Gray Leveling Compound	Gray Fibrous Homogeneous	3% Cellulose	15% Quartz 40% Ca Carbonate 42% Non-fibrous (Other)	None Detected
	0		00/ 0 # 1		
1-57	Office C - Gray Leveling Compound	Gray Fibrous Homogeneous	3% Cellulose	15% Quartz 45% Ca Carbonate 37% Non-fibrous (Other)	None Detected
1-58	Office F - Gray	Gray	2% Cellulose	15% Quartz	None Detected
291909102-0058	Leveling Compound	Fibrous Homogeneous	2% Cellulose	40% Ca Carbonate 43% Non-fibrous (Other)	None Detected
1-59-Floor Tile	Office A - 12" x 12"	Tan		40% Ca Carbonate	3% Chrysotile
291909102-0059	Tan with Brown Dots Floor Tile and Mastic	Fibrous Homogeneous		57% Non-fibrous (Other)	3 % Onlysome
1-59-Mastic 1	Office A - 12" x 12"	Black	2% Cellulose	98% Non-fibrous (Other)	None Detected
291909102-0059A	Tan with Brown Dots Floor Tile and Mastic	Fibrous Homogeneous	_,, _,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	er Initial (outsi)	
1-59-Mastic 2	Office A - 12" x 12"	Tan	2% Cellulose	95% Non-fibrous (Other)	None Detected
291909102-0059B	Tan with Brown Dots Floor Tile and Mastic	Fibrous Homogeneous	3% Synthetic	out its introduction (out of)	
1-60-Floor Tile	Office A - 12" x 12" Tan with Brown Dots	-			Positive Stop (Not Analyzed
291909102-0060	Floor Tile and Mastic	_			
1-60-Mastic 1	Office A - 12" x 12" Tan with Brown Dots	Black Non-Fibrous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
291909102-0060A	Floor Tile and Mastic	Homogeneous			
1-60-Mastic 2	Office A - 12" x 12" Tan with Brown Dots	Tan Fibrous	2% Cellulose 3% Synthetic	95% Non-fibrous (Other)	None Detected
291909102-0060B	Floor Tile and Mastic	Homogeneous			
1-61-Floor Tile	Office A - 12" x 12" Tan with Brown Dots				Positive Stop (Not Analyzed
291909102-0061	Floor Tile and Mastic				
I-61-Mastic 1	Office A - 12" x 12" Tan with Brown Dots	Black Fibrous	2% Cellulose	98% Non-fibrous (Other)	None Detected
291909102-0061A	Floor Tile and Mastic	Homogeneous			



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		Non-Asbestos			Asbestos	
Sample		Appearance	% Fibrous	% Non-Fibrous	% Type	
1-61-Mastic 2	Office A - 12" x 12" Tan with Brown Dots	Tan Fibrous	2% Cellulose 2% Synthetic	96% Non-fibrous (Other)	None Detected	
291909102-0061B 1-62-Floor Tile	Floor Tile and Mastic East Office - 12" x 12"	Homogeneous Beige	2% Cellulose	40% Ca Carbonate	<1% Chrysotile	
291909102-0062	Beige with Tan Splotches Floor Tile	Fibrous Homogeneous	270 001141333	58% Non-fibrous (Other)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
1-62-Mastic 1	and Mastic East Office - 12" x 12"	Black		92% Non-fibrous (Other)	8% Chrysotile	
291909102-0062A	Beige with Tan Splotches Floor Tile and Mastic	Fibrous Homogeneous				
1-62-Mastic 2	East Office - 12" x 12"	Tan	2% Cellulose	98% Non-fibrous (Other)	None Detected	
291909102-0062B	Beige with Tan Splotches Floor Tile and Mastic	Fibrous Homogeneous	<1% Synthetic			
1-63-Floor Tile 291909102-0063	East Office - 12" x 12" Beige with Tan Splotches Floor Tile and Mastic	Gray/White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	<1% Chrysotile	
1-63-Mastic 1	East Office - 12" x 12" Beige with Tan				Positive Stop (Not Analyzed)	
291909102-0063A	Splotches Floor Tile and Mastic			market and the second		
1-63-Mastic 2	East Office - 12" x 12" Beige with Tan	Tan Fibrous	2% Cellulose <1% Synthetic	98% Non-fibrous (Other)	None Detected	
291909102-0063B	Splotches Floor Tile and Mastic	Homogeneous	- Cynanous			
1-64-Floor Tile	Work Room - 12" x 12" Beige with Tan	Tan/Beige Fibrous	2% Cellulose	40% Ca Carbonate 58% Non-fibrous (Other)	<1% Chrysotile	
291909102-0064	Splotches Floor Tile and Mastic	Homogeneous		eg e <u>n n n n n n 2</u>		
1-64-Mastic 1	Work Room - 12" x 12" Beige with Tan				Positive Stop (Not Analyzed)	
291909102-0064A	Splotches Floor Tile and Mastic					
1-64-Mastic 2	Work Room - 12" x 12" Beige with Tan	Tan Fibrous	2% Cellulose 2% Synthetic	96% Non-fibrous (Other)	None Detected	
291909102-0064B	Splotches Floor Tile and Mastic	Homogeneous				
1-65	Hall at Room 212 - 2' x 2' Ceiling Tile with	Gray/White Fibrous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected	
291909102-0065	Dots and Fissures	Homogeneous	10 % All 11001			
1-66	Hall at Room 211 - 2' x 2' Ceiling Tile with	Gray/White Fibrous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected	
291909102-0066	Dots and Fissures	Homogeneous			W - 5 - 7 - 7	
1-67	Hall at Room 208 - 2' x 2' Ceiling Tile with Dots and Fissures	Gray/White Fibrous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected	
291909102-0067	Hall at Room 209A -	Homogeneous White		40% Ca Carbonate	None Detected	
1-68-Floor Tile 291909102-0068	12" x 12" Beige with Tan and White Splotches Floor Tile	Non-Fibrous Homogeneous		60% Non-fibrous (Other)	Hone Delected	
1-68-Mastic	and Mastic Hall at Room 209A -	Brown/Tan Fibrous	2% Cellulose	98% Non-fibrous (Other)	None Detected	
291909102-0068A	12" x 12" Beige with Tan and White Splotches Floor Tile and Mastic	Homogeneous				



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•		■ Transmission describe when	Non-Asbe	100Me/2010M2 1100M900	<u>Asbestos</u>
Sample	Description	Appearance	% 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	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	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	2nd Floor Boy's Restroom - Ceramic	Gray Non-Fibrous		10% Quartz 40% Ca Carbonate	None Detected
291909102-0071A 1-71-Mortar 291909102-0071B	Tile Grout and Mortar 2nd Floor Boy's Restroom - Ceramic Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		50% Non-fibrous (Other) 10% Quartz 30% Ca Carbonate 60% Non-fibrous (Other)	None Detected
1-72-Ceramic Tile	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	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	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	2nd Floor Boy's Restroom - Ceramic Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate	None Detected
1-73-Mortar	2nd Floor Boy's Restroom - Ceramic Tile Grout and Mortar	Gray Non-Fibrous Homogeneous		40% Non-fibrous (Other) 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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Sample 1-75-Shingle 291909102-0075 1-75-Felt Paper 291909102-0075A 1-76-Shingle	Description West Canopy - Gray/Black Asphalt Shingles and Felt Paper West Canopy - Gray/Black Asphalt Shingles and Felt Paper West Canopy - Cany/Black Asphalt Shingles and Felt Paper	Appearance Gray/Black Fibrous Homogeneous Brown/Black Fibrous Homogeneous	% Fibrous 3% Cellulose 20% Glass 70% Cellulose	% Non-Fibrous 40% Ca Carbonate 37% Non-fibrous (Other)	% Type None Detected
91909102-0075 -75-Felt Paper 91909102-0075A	Gray/Black Asphalt Shingles and Felt Paper West Canopy - Gray/Black Asphalt Shingles and Felt Paper West Canopy -	Fibrous Homogeneous Brown/Black Fibrous	20% Glass	37% Non-fibrous (Other)	None Detected
91909102-0075A	West Canopy - Gray/Black Asphalt Shingles and Felt Paper West Canopy -	Fibrous	70% Cellulose	200/ N 61 (01)	
	Shingles and Felt Paper West Canopy -	the section of the se		30% Non-fibrous (Other)	None Detected
I-76-Shingle					
291909102-0076	Gray/Black Asphalt Shingles and Felt	Gray/Black Fibrous Homogeneous	10% Glass	40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
	Paper	riomogeneous			
1-76-Felt Paper	West Canopy - Gray/Black Asphalt	Black Fibrous	65% Cellulose	35% Non-fibrous (Other)	None Detected
291909102-0076A	Shingles and Felt Paper	Homogeneous			
1-77	Boiler Room - Plaster - Boiler Room	Brown/Gray Non-Fibrous		20% Quartz 55% Ca Carbonate	None Detected
291909102-0077		Homogeneous		25% Non-fibrous (Other)	
1-78	Boiler Room - Plaster - Boiler Room	Brown/Gray Non-Fibrous		20% Quartz 55% Ca Carbonate	None Detected
291909102-0078		Homogeneous		25% Non-fibrous (Other)	
1-79-Skim Coat	Boiler Room - Plaster - Boiler Room	White Non-Fibrous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
291909102-0079		Homogeneous			
91909102-0079A	Boiler Room - Plaster - Boiler Room	Brown/Gray Non-Fibrous		20% Quartz 40% Ca Carbonate	None Detected
	Bailer Bassa - Daniell	Homogeneous	459/ Callulana	40% Non-fibrous (Other)	None Detected
1-80-Drywall	Boiler Room - Drywall and Joint Compound -	Brown/Gray Fibrous	15% Cellulose 2% Glass	20% Ca Carbonate 30% Gypsum	None Detected
291909102-0080	Boiler Room	Homogeneous		33% Non-fibrous (Other)	
1-80-Joint Compound	Boiler Room - Drywall and Joint Compound -	White Fibrous	2% Cellulose	60% Ca Carbonate 36% Non-fibrous (Other)	2% Chrysotile
291909102-0080A	Boiler Room	Homogeneous			
1-80-Composite	Boiler Room - Drywall and Joint Compound -	Brown/Gray/White Fibrous	10% Cellulose <1% Glass	20% Ca Carbonate 20% Gypsum	<1% Chrysotile
291909102-0080B	Boiler Room	Homogeneous	45% O-III I	50% Non-fibrous (Other)	Non- Batastad
1-81-Drywall	Boiler Room - Drywall and Joint Compound -	Brown/Gray Fibrous	15% Cellulose 2% Glass	20% Ca Carbonate 30% Gypsum	None Detected
291909102-0081	Boiler Room	Homogeneous		33% Non-fibrous (Other)	
1-81-Joint Compound	Boiler Room - Drywall and Joint Compound - Boiler Room	White Fibrous	2% Cellulose	60% Ca Carbonate 36% Non-fibrous (Other)	2% Chrysotile
1 91 Composito		Homogeneous Brown/Gray/M/bita	10% Colleione	20% Co Corbanata	<10/ Charactile
1-81-Composite	Boiler Room - Drywall and Joint Compound -	Brown/Gray/White Fibrous	10% Cellulose <1% Glass	20% Ca Carbonate 20% Gypsum	<1% Chrysotile
291909102-0081B	Boiler Room	Homogeneous	0.215 (3.151.5.5.)	50% Non-fibrous (Other)	
1-82-Drywall	Boiler Room - Drywall and Joint Compound -	Brown/Gray Fibrous	20% Cellulose 5% Glass	40% Gypsum 35% Non-fibrous (Other)	None Detected
291909102-0082	Boiler Room	Homogeneous			
1-82-Joint Compound	Boiler Room - Drywall and Joint Compound -	White Fibrous	2% Cellulose	60% Ca Carbonate 36% Non-fibrous (Other)	2% Chrysotile
291909102-0082A	Boiler Room	Homogeneous			
1-82-Composite	Boiler Room - Drywall and Joint Compound -	Brown/Gray/White Fibrous	15% Cellulose 2% Glass	20% Ca Carbonate 30% Gypsum	<1% Chrysotile
291909102-0082B	Boiler Room	Homogeneous	000/ 14:- 14/1	33% Non-fibrous (Other)	N D / / /
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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			Non-Asbes	stos	Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
-83-Wrap	Boiler Room - Hard TSI Elbow	White Fibrous	70% Cellulose	30% Non-fibrous (Other)	None Detected
91909102-0083A		Homogeneous			
-84-TSI	Boiler Room - Hard TSI Elbow	Gray Fibrous	60% Min. Wool	20% Ca Carbonate 20% Non-fibrous (Other)	None Detected
91909102-0084		Homogeneous			
-84-Wrap	Boiler Room - Hard TSI Elbow	White Fibrous	70% Cellulose	30% Non-fibrous (Other)	None Detected
91909102-0084A		Homogeneous			
-85	Boiler Room - Hard TSI Elbow	Gray Fibrous	65% Min. Wool	20% Ca Carbonate 15% Non-fibrous (Other)	None Detected
91909102-0085		Homogeneous			
Vrap not present in sample.					
-86	West Double Door - Red Exterior Door	Red Non-Fibrous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
91909102-0086	Caulk	Homogeneous			
-87	West Double Door -	Red		25% Ca Carbonate	None Detected
91909102-0087	Red Exterior Door Caulk	Non-Fibrous Homogeneous		75% Non-fibrous (Other)	
-88	West Double Door -	Red		40% Ca Carbonate	None Detected
-00	Red Exterior Door	Non-Fibrous		60% Non-fibrous (Other)	None Detected
91909102-0088	Caulk	Homogeneous		,	
-89-Mastic 1	South 2nd Floor	Black		25% Ca Carbonate	5% Chrysotile
	Canopy Roof - Black	Fibrous		70% Non-fibrous (Other)	Specific industrie
91909102-0089	and Gray Roof Mastic	Homogeneous			
-89-Mastic 2	South 2nd Floor	Gray		25% Ca Carbonate	None Detected
91909102-0089A	Canopy Roof - Black	Non-Fibrous		75% Non-fibrous (Other)	
	and Gray Roof Mastic	Homogeneous			2 2
-90-Mastic 1	South 2nd Floor Canopy Roof - Black				Positive Stop (Not Analyzed
91909102-0090	and Gray Roof Mastic				
-90-Mastic 2	South 2nd Floor	Gray		25% Ca Carbonate	None Detected
	Canopy Roof - Black	Non-Fibrous		75% Non-fibrous (Other)	
91909102-0090A	and Gray Roof Mastic	Homogeneous			
-91-Mastic 1	South 2nd Floor Canopy Roof - Black				Positive Stop (Not Analyzed)
91909102-0091	and Gray Roof Mastic				
-91-Mastic 2	South 2nd Floor	Brown		30% Ca Carbonate	None Detected
and the second s	Canopy Roof - Black	Non-Fibrous		70% Non-fibrous (Other)	
91909102-0091A	and Gray Roof Mastic	Homogeneous			
-92	2nd Floor Canopy Roof - Silver Paint	Silver Fibrous		97% Non-fibrous (Other)	3% Chrysotile
91909102-0092		Homogeneous			
-93	2nd Floor Canopy Roof - Silver Paint				Positive Stop (Not Analyzed
91909102-0093					
-94	2nd Floor Canopy Roof - Silver Paint				Positive Stop (Not Analyzed)
91909102-0094					
-95	Main Roof South - White Roof Caulk	White Non-Fibrous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
91909102-0095		Homogeneous			
-96	Main Roof South - White Roof Caulk	White Non-Fibrous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
291909102-0096		Homogeneous			



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

			Non-Asbes	tos	<u>Asbestos</u>
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
1-97	Main Roof South -	White Non-Fibrous		20% Ca Carbonate	None Detected
91909102-0097	White Roof Caulk	Homogeneous		80% Non-fibrous (Other)	
-98	Main Roof South -	Gray		30% Ca Carbonate	None Detected
	Black Roof Caulk	Non-Fibrous		70% Non-fibrous (Other)	
91909102-0098		Homogeneous			
1-99	Main Roof South -	Gray		30% Ca Carbonate	None Detected
91909102-0099	Black Roof Caulk	Non-Fibrous Homogeneous		70% Non-fibrous (Other)	
1-100	Main Roof South -	Gray		40% Ca Carbonate	None Detected
1-100	Black Roof Caulk	Non-Fibrous		60% Non-fibrous (Other)	
291909102-0100		Homogeneous			
1-101	Main Roof	Black		90% Non-fibrous (Other)	10% Chrysotile
204000400 0404	North/South Parapet	Fibrous			
291909102-0101	Wall - Black Roof Mastic on Brick	Homogeneous			
1-102	Main Roof				Positive Stop (Not Analyzed)
	North/South Parapet				
291909102-0102	Wall - Black Roof				
	Mastic on Brick				5 W 6 ALLA L 1
-103	Main Roof North/South Parapet				Positive Stop (Not Analyzed)
91909102-0103	Wall - Black Roof				
	Mastic on Brick				
1-104	2nd Floor Canopy	Black	40% Cellulose	60% Non-fibrous (Other)	None Detected
	Roof - Built-up	Fibrous			
291909102-0104	Roofing on Canopy	Homogeneous	100/ 0 11 1		N 5444
1-105	2nd Floor Canopy Roof - Built-up	Black Fibrous	40% Cellulose	60% Non-fibrous (Other)	None Detected
291909102-0105	Roofing on Canopy	Homogeneous			
1-106	2nd Floor Canopy	Black	40% Cellulose	60% Non-fibrous (Other)	None Detected
	Roof - Built-up	Fibrous			
291909102-0106	Roofing on Canopy	Homogeneous			
1-107	Southwest Door -	Gray/White		25% Ca Carbonate	2% Chrysotile
291909102-0107	Exterior Caulk	Fibrous Homogeneous		73% Non-fibrous (Other)	
1-108	South Window at		- Marine Silver Brown Age - 100000 China	A	Positive Stop (Not Analyzed)
1 100	South Door - Exterior				, , , , , , , , , , , , , , , , , , , ,
291909102-0108	Caulk				
1-109	Southwest Window -				Positive Stop (Not Analyzed)
291909102-0109	Exterior Caulk				
1-110	Southwest Window -	Gray/White		25% Ca Carbonate	2% Chrysotile
1-110	Exterior Window	Fibrous		73% Non-fibrous (Other)	270 Onlysoule
291909102-0110	Glazing	Homogeneous		and the state of t	
1-111	South Window at				Positive Stop (Not Analyzed)
204200400 0411	South Door - Exterior				
291909102-0111	Window Glazing				Dealth of Oten (Not Asset
1-112	Northwest Window - Exterior Window				Positive Stop (Not Analyzed)
	LATERIOR WILLIAM				



Project ID:

Analyst(s)

Joshua Moorman (53) Kelly Gallisdorfer (59) Roxsee Stover (56) Billy Barns

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



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

Phone/Fax: (919) 465-3900 / (919) 465-3950 http://www.EMSL.com / raleighlab@emsl.com

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

(919) 873-9555

09/04/2019 10:10 AM

09/25/2019 - 09/26/2019

Project ID:

Phone:

Fax:

Attention: Alicia Coley

Terracon Consultants, Inc. 2401 Brentwood Road

Suite 107

Raleigh, NC 27604

Analysis Date:

Collected:

Received:

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

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

			Non-Asbestos		
Sample	Description	Appearance	% 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	e e	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)	
1000	

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

OrderID: 291909102

EMSL Analytical, Inc.

2500 Gateway Centre Bouleva

Client:

Terracon Consultants, Inc.

Test: PLM

#Samples:

risville, NC 27560

Order.

291909102 Disposition: Discard after 10/4/2019

Project: 70197439 Erwin Elementary School

Demolition Asbestos Survey, Building 1 / 2-

HONE: 919-465-3900 FAX: 919-465-3950

Company Name : Terrac	con Consulta	nts, Inc.	EMSL Custo	omer ID:			
Street: 2401 Brentwood	Road Suite	107	City: Raleig	City: Raleigh State/Province: NC		nce: NC	
Zip/Postal Code: 27604		Country: US	Telephone #: 913-873-2211				
	Report To (Name): Alicia Coley			_	_	☑ Email	
Email Address: ancoley	& trey.turne	r@terracon.com	Purchase O	rder:			
Project Name/Number: 7	70197439			ct ID (Internal Us	se Only	<i>(</i>):	
U.S. State Samples Take			CT Samples	: Commercia	al/Taxa	ble Res	idential/Tax Exempt
	EMSL-BI	II to: ☑ Same ☐ Different - Third Party Billing requires writ	If Bill to Is Differen	t note instructions in	Commen	its**	
		Turnaround Time (TAT)					
	Hour	24 Hour 48 Hour	☐ 72 Ho	ur		■ 1 Week	2 Week
*For TEM Air 3 hr through 6 h authorization form	r, please call ahe for this service.	ead to schedule.*There is a premiun Analysis completed in accordance	n charge for 3 Ho with EMSL's Terr	ur TEM AHERA or E ns and Conditions Id	EPA Lev	rel II TAT. You In the Analytical	will be asked to sign an Price Guide.
PCM - Air Check if sar	mples are	TEM - Air 4-4.5hr TAT		TEM- Dust			7,100 001001
from NY NIOSH 7400		AHERA 40 CFR, Part		Microvac -	ASTM	D 5755	
w/ OSHA 8hr. TWA	- 1	763 NIOSH 7402		Wipe - AST			
PLM - Bulk (reporting lim	nit)	EPA Level II				(EPA 600/J	-03/167)
✓PLM EPA 600/R-93/11		□ISO 10312		Soil/Rock/Ver			-53/10/)
PLM EPA NOB (<1%)	1	TEM - Bulk					nilling prep (<1%)
Point Count	- 1	TEM EPA NOB					nilling prep (<0.25%)
400 (<0.25%) 1000	(<0.1%)	NYS NOB 198.4 (non-fria	ible-NY)				nilling prep (<0.1%)
Point Count w/Gravimetric		Chatfield SOP	-	TEM Qualit	ative vi	a Filtration F	Prep
400 (<0.25%) 1 000	(<0.1%)	TEM Mass Analysis-EPA					
NYS 198.1 (friable in N	IY)	TEM - Water: EPA 100.2	Cincinnati Method EPA 600/R-04/004 – PLM/TEM (BC only)				04/004 - PLM/TEM
NYS 198.6 NOB (non-	friable-NY)	Fibers >10µm ☐Waste [Drinking	Other:			
☐ NYS 198.8 SOF-V		All Fiber Sizes Waste	Drinking				
☐ NIOSH 9002 (<1%)		All Tibel Sizes					_
Check For Positive St	top – Clearly	Identify Homogenous Group	Filter	Pore Size (Air S	Sample	es): 🔲 0.8	µт □0.45μт
Samplers Name: Alic	ia Coley	/ Trey Turner	Samplers	Signature:		cly	Hall h
Sample #		Sample Descripti	on	V.	olume	Area (Afr)	Date/Time Sampled
	Soo att	ached COC			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	\==/	11-1-1-0
1-1-21-113	See all	acried COC					8138,30119
							-
	<u></u>						
	Client Sample # (s): - Total # of Samples: 96 112						
Relinquished (Client):	Pricia (Date:	9/3/19			Time	:J400
Received (Lab):		L Date:	914	1/19		Time	: 10:10
Comments/Special Instru	uctions:		7.	/ (
,	1						
				F5 79	957	28325	345
			,		with the same		

Тетта	соп	Contact:	·	Alida Coley	
Brentwood	Road Suite 107	Phone #:		919.873.2211	
Raleigh, N	IC 27604	Email Results to:	ancolay@terracon.com; trey.tumer@terracon.com		
Analysis	s: PLM	TAT:	1 Day 2	Days 3 Days 4 Days (5 Days) Other	
Project N	Name:	Erwin Elementary School Demolition As	bestos Survey		
Project N	lumber:	70197439	Building Number:	Building 1 / 2-Story Building	
			Address:	301 S. 10th Street, Erwin, NC	
uilding Clas	ssification:				
HA	Sample #	Location		Description	Notes
1	1-1	Room 110	Black Felt	Paper under Hardwood Flooring	First Positive Sto
1	1-2	Room 110	Black Felt	Paper under Hardwood Flooring	4
1	1-3	Room 110		Paper under Hardwood Flooring	4
2	1-4	Hall at Room 110		ywall and Joint Compound	
2	1-5	Hall at Room 212		ywall and Joint Compound	
2	1-6	Hall at Room 211		ywall and Joint Compound	
2	1-7	Auditonum		ywall and Joint Compound	
2	1-8	Auditorium		ywall and Joint Compound	
3	1-9	Room 110		laster with Drywall Lathe	
3	1-10	Hall at Room 212		laster with Drywall Lathe	
3	1-11	Room 212		Plaster with Drywall Lathe	
3	1-12	Room 211 Room 213		Plaster with Drywall Lathe	-
3	1-13	Room 213		Plaster with Drywall Lathe	
3	1-14	Room 109		Plaster with Drywall Lathe	
4	1-15	Room 110	Р	laster with Drywall Lathe	First Positive St
4	1-16	Room 110		Black Sink Mastic	Trast Positive St
4	1-17	Room 110		Black Sink Mastic	4
5	1-18	Room 109		Black Sink Mastic	First Positive St
5	1-19	Room 106		Silver Paint on Radiators	Trist Fositive St
5	1-20	Room 211		Silver Paint on Radiators	<u> </u>
6	1-21	Hall at Room 110		Silver Paint on Radiators	First Positive St
6	1-23	Hall at Room 110	Brittle Red Fire Caulk		4
6	1-24	Hall at Room 110	Brittle Red Fire Caulk Brittle Red Fire Caulk		1
7	1-25	Hall at Room 110		Dark Red Fire Caulk	First Positive St
7	1-26	Room 209A		Dark Red Fire Caulk	1
7	1-27	Room 209A		Dark Red Fire Caulk	4
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 St
9	1-36	1st Floor Girl's Restroom		Beige FRP Adhesive	1
9	1-37	1st Floor Boy's Restroom		Belge FRP Adhesive	1
10	1-38	1st Floor East Auditorium Dressing Room		Black Waterproofing	First Positive St
10	1-39	1st Floor East Auditorium Dressing Room		Black Waterproofing	4
10	1-40	1st Floor East Auditorium Dressing Room		Black Waterproofing	4
11	1-41	Office F	12" x 1	2" Tri-tan Floor Tile and Mastic	First Positive S
11	1-42	Office F	12" x 1:	2" Tri-tan Floor Tite and Mastic	4
11	1-43	Office F		2" Tri-tan Floor Tile and Mastic	+
12	1-44	Office F Restroom		rri-light Gray Floor Tile and Mastic	First Positive S
12	1-45	Office F Restroom		rri-light Gray Floor Tile and Mastic	+
12	1-46	Office F Restroom		In-light Gray Floor Tile and Mastic	First Basithus Ct
13	1-47	Office F Restroom		Black Cove Base and Mastic	First Positive St
13	1-48	Office F Restroom		Black Cove Base and Mastic	1
13	1-49	Office F Restroom		Black Cove Base and Mastic	First Positive St
14	1-50	Hall at Office F Office C		9" Tan Floor Tile and Mastic	
14	1-51	Office E		9" Tan Floor Tile and Mastic	1
15	1-52	Office A		9" Tan Floor Tile and Mastic	First Positive St
15	1-53	Reception		Blue Cove Base and Mastic Blue Cove Base and Mastic	Tust Positive Si

Terracon Consultants, Inc.

-

9/4/2019 10:10

Order ID: 291909102 70197439 Erwin Elementary School Demolition Asbestos No Samples: 112 TAT: 1 Week Due Due: 09/11 10:10 AM

Terr	racon	Contact:		Allcia Coley	1		
2401 Brentwood Road Suite 107 Phone #:			4				
	NC 27604	Email Results to:	ancolev@terr	919.873.2211 acon.com; trey.tumer@terracon.com	1		
			2.00.01	a system of the second	1		
Analys	sis: PLM	TAT:	1 Day 2	Days 3 Days 4 Days 6 Days Other			
	Name:	Erwin Elementary School Demolition As					
Project	Number:	70197439	Building Number:	Building 1 / 2-Story Building	ļ		
11din = 01			Address:	301 S. 10th Street, Erwin, NC			
	assification:						
IA A	Sample #	Location		Description	Notes		
15	1-55	Reception		lue Cove Base and Mastic			
16	1-56	Office Hall		ray Leveling Compound	First Positive Sto		
16	1-57	Office C		ray Leveling Compound	+		
7	1-58	Office F Office A		ray Leveling Compound	J		
7	1-59 1-60	Office A	The state of the s	with Brown Dots Floor Tile and Mastic	First Positive Sto		
7	1-61	Office A	The second secon	with Brown Dots Floor Tile and Mastic	1		
18	1-62	East Office		vith Brown Dots Floor Tile and Mastic	Float Decitive St		
18	1-63	East Office		ith Tan Splotches Floor Tile and Mastic	First Positive Sto		
8	1-63	Work Room		ith Tan Splotches Floor Tile and Mastic	1		
9	1-65	Hall at Room 212		fith Tan Splotches Floor Tile and Mastic	First Positive Sto		
19	1-66	Hall at Room 211	Section Control of the Control of th	ling Tite with Dots and Fissures	↓ First Positive St		
19	1-67	Hall at Room 208		ling Tite with Dots and Fissures ling Tite with Dots and Fissures	1 4		
20	1-68	Hall at Room 209A	Park VI Carron VI	in and White Splotches Floor Tile and Mastic	First Positive Sto		
20	1-69	Hall at Room 209A		in and White Splotches Floor Tile and Mastic	Trist Positive Str		
20	1-70	Hall at Room 209A		in and White Splotches Floor Tile and Mastic	1		
21	1-71	2nd Floor Boy's Restroom		amic Tile Grout and Mortar	First Positive Sto		
21	1-72	2nd Floor Boy's Restroom		amic Tile Grout and Morter	1 1		
21	1-73	2nd Floor Boy's Restroom		amic Tile Grout and Mortar	1		
22	1-74	West Canopy			Gray/Black Asphalt Shingles and Felt Paper		First Positive Sto
2	1-75	West Canopy			Gray/Black Asphalt Shingles and Felt Paper		1 4
22	1-76	West Canopy			Gray/Black Asphalt Shingles and Felt Paper		1
23	1-77	Boiler Room	The state of the s		Plaster - Boiler Room		First Positive Sto
23	1-78	Boller Room		Plaster - Boiler Room	1		
13	1-79	Boller Room		Plaster - Boiler Room	+		
24	1-80	Boller Room	Drywall an	d Joint Compound - Boiler Room	First Positive Sto		
4	1-81	Boller Room	Drywall an	Joint Compound - Boiler Room	4		
4	1-82	Boller Room	Drywall an	d Joint Compound - Boiler Room	+		
5	1-83	Boiler Room		Hard TSI Elbow	First Positive St		
25	1-84	Boller Room		Hard TSI Elbow	4		
5	1-85	Boller Room		Hard TSI Elbow	1		
16	1-86	West Double Door	R	ed Exterior Door Caulk	First Positive Sto		
6	1-87	West Double Door	F	ed Exterior Door Caulk	1		
6	1-88	West Double Door	R	ed Exterior Door Caulk	1		
7	1-89	South 2nd Floor Canopy Roof	Bla	ck and Gray Roof Mastic	First Positive Sto		
7	1-90	South 2nd Floor Canopy Roof	Bla	ck and Gray Roof Mastic	1		
7	1-91	South 2nd Floor Canopy Roof	Bla	ck and Gray Roof Mastic	4		
8	1-92	2nd Floor Canopy Roof		Silver Paint	First Positive Sto		
8	1-93	2nd Floor Canopy Roof		Silver Paint	<u>+</u>		
9	1-94	2nd Floor Canopy Roof Main Roof South		Silver Paint	First Parities Da		
9	1-95	Main Roof South		White Roof Caulk	First Positive St		
9	1-96 1-97	Main Roof South		White Roof Caulk	1		
0	1-97	Main Roof South	White Roof Caulk		First Positive St		
0	1-99	Main Roof South		Black Roof Coulk	Pust Positive St		
0	1-100	Main Roof South		Black Roof Caulk	1		
1	1-101	Main Roof North/South Parapet Wall	DI	Black Roof Caulk	First Positive St		
1	1-102	Main Roof North/South Parapet Wall		ck Roof Mastic on Brick	THIST POSITIVE SE		
1	1-103	Main Roof North/South Parapet Wall		ick Roof Mastic on Brick	1		
2	1-104	2nd Floor Canopy Roof		It-up Roofing on Canopy	First Positive St		
2	1-105	2nd Floor Canopy Roof		It-up Roofing on Canopy	↓ ↓		
2	1-106	2nd Floor Canopy Roof		Il-up Roofing on Canopy	1		
3	1-107	Southwest Door		Exterior Caulk	First Positive Sto		
3	1-108	South Window at South Door		Exterior Caulk	4		
3	1-109	Southwest Window		Exterior Caulk	1		

Terracon Consultants, Inc.

PLM

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 Ridk Fax: 919-873-9555

OrderID: 291909102

Terracon Contact:					
2401 Brentwo	od Road Suite 107	ate 107 Phone #: 919.673.2211			
Raleigh	, NC 27604	Email Results to:	ancoley@t		
Anal	ysis: PLM	TAT:	1 Day	2 Days 3 Days 4 Days (5 Days) Other	
Proje	ct Name:	Erwin Elementary School Demolition As	bestos Survey		
Project Number: 70197439		Building Number:	Building 1 / 2-Story Building		
			Address: 301 S. 10th Street, Erwin, NC		
Building (classification:				
НА	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		4
34	1-112	Northwest Window	Exterior Window Glazing		4

Terracon Consultants, Inc.

70197439 Erwin Elementary School Demolition Asbestos

9/4/2019 10:10

TAT: 1 Week

PLM

Order ID: 291909102 No Samples: 112

Bulk

Due: 09/11 10:10 AM

Fax: 919-873-9555



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

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



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			Non-Asbes	tos	<u>Asbestos</u>
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
Gym-16	Southeast Roof - Black Roof Caulk	Black Non-Fibrous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
291909097-0016		Homogeneous			
Gym-17	Southeast Roof - Black Roof Caulk	Black Non-Fibrous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
291909097-0017		Homogeneous			
Gym-18	Southeast Roof - Black Roof Caulk	Black Non-Fibrous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
291909097-0018		Homogeneous			
Gym-19-Skim Coat	East Roof - North at Canopy - Textured	White Non-Fibrous		20% Quartz 40% Ca Carbonate	None Detected
291909097-0019	Exterior Soffit	Homogeneous		40% Non-fibrous (Other)	
Gym-19-Base Coat	East Roof - North at Canopy - Textured	Tan Non-Fibrous		20% Quartz 40% Ca Carbonate	None Detected
291909097-0019A	Exterior Soffit	Homogeneous		40% Non-fibrous (Other)	
Gym-20-Skim Coat	East at Lawnmower Storage Room -	White Non-Fibrous		20% Quartz 40% Ca Carbonate	None Detected
291909097-0020	Textured Exterior Soffit	Homogeneous		40% Non-fibrous (Other)	
Gym-20-Base Coat	East at Lawnmower	Tan		20% Quartz	None Detected
291909097-0020A	Storage Room - Textured Exterior Soffit	Non-Fibrous Homogeneous		40% Ca Carbonate 40% Non-fibrous (Other)	
Gym-21-Skim Coat	East at Boiler Room - Textured Exterior	White Non-Fibrous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
291909097-0021	Soffit	Homogeneous		4070110111101000 (001101)	
Gym-21-Base Coat	East at Boiler Room - Textured Exterior	Gray Non-Fibrous		20% Quartz 40% Ca Carbonate	None Detected
291909097-0021A	Soffit	Homogeneous		40% Ca Carbonate 40% Non-fibrous (Other)	
Gym-22	Northeast Storage Room - Textured	Gray Non-Fibrous	<1% Cellulose	40% Ca Carbonate	None Detected
291909097-0022	Ceiling Plaster	Homogeneous		30% Gypsum 30% Non-fibrous (Other)	
Gym-23	Northeast Storage	Gray	<1% Cellulose	40% Ca Carbonate	None Detected
291909097-0023	Room - Textured Ceiling Plaster	Non-Fibrous Homogeneous		30% Gypsum 30% Non-fibrous (Other)	
					None Detected
Gym-24 291909097-0024	Lawnmower Storage Room - Textured Ceiling Plaster	Gray Non-Fibrous		55% Ca Carbonate 20% Gypsum	None Detected
		Homogeneous		25% Non-fibrous (Other)	
Gym-25 291909097-0025	Room - Textured	Gray Non-Fibrous		55% Ca Carbonate 20% Gypsum	None Detected
	Ceiling Plaster	Homogeneous	400 0 " 1	25% Non-fibrous (Other)	
Gym-22A 291909097-0026	Boiler Room - Textured Ceiling Plaster	Gray Non-Fibrous	<1% Cellulose	40% Ca Carbonate 30% Gypsum	None Detected
		Homogeneous		30% Non-fibrous (Other)	
Gym-26	Northeast Door - White Exterior Door	Gray/White Non-Fibrous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
291909097-0027	Caulk	Homogeneous			2. 22
Gym-27	South Door to Gym - White Exterior Door	Gray/White Fibrous		25% Ca Carbonate 73% Non-fibrous (Other)	2% Chrysotile
291909097-0028	Caulk	Homogeneous			
Gym-28 291909097-0029	Northeast Door to Storage Room - White Exterior Door				Positive Stop (Not Analyzed)
	Caulk				
Gym-29	Roll-up Door - Beige Exterior Door Caulk	Gray/Tan Fibrous		20% Ca Carbonate	3% Chrysotile
291909097-0030	Exterior Door Caulk	Homogeneous		77% Non-fibrous (Other)	



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Sample	Description	Appearance	Non-Asbes % Fibrous	% Non-Fibrous	Asbestos % Type
Gym-30	Roll-up Door - Beige Exterior Door Caulk				Positive Stop (Not Analyzed)
91909097-0031	And the second second seconds.				
Sym-31	North Door - Beige Exterior Door Caulk				Positive Stop (Not Analyzed)
1909097-0032					
Sym-32	Southeast Window - White Exterior	Gray Fibrous		20% Ca Carbonate 78% Non-fibrous (Other)	2% Chrysotile
91909097-0033	Window Glazing	Homogeneous			
ym-33	Southeast Window - White Exterior				Positive Stop (Not Analyzed)
91909097-0034	Window Glazing				
ym-34	East Window - White Exterior Window				Positive Stop (Not Analyzed)
91909097-0035	Glazing				
Sym-35-Roofing 1 91909097-0036	Southwest Roof - Built-up Roofing under Black Membrane	Black Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (Other)	None Detected
Sym-35-Roofing 2	Southwest Roof -	Black	60% Cellulose	40% Non-fibrous (Other)	None Detected
91909097-0036A	Built-up Roofing under Black Membrane	Fibrous Homogeneous		, , ,	
sym-35-Membrane	Southwest Roof - Built-up Roofing	Black Fibrous	5% Cellulose	95% Non-fibrous (Other)	None Detected
91909097-0036B	under Black Membrane	Homogeneous			
Sym-36-Roofing 1	Southwest Roof -	Black	40% Cellulose	60% Non-fibrous (Other)	None Detected
	Built-up Roofing	Fibrous			
91909097-0037	under Black Membrane	Homogeneous			
26 Deefee 2	Southwest Roof -	Black	60% Cellulose	400/ Non Share (Other)	Nana Datastad
Sym-36-Roofing 2	Built-up Roofing	Fibrous	60% Cellulose	40% Non-fibrous (Other)	None Detected
91909097-0037A	under Black	Homogeneous			
du	Membrane				
Sym-36-Membrane	Southwest Roof -	Black	5% Cellulose	95% Non-fibrous (Other)	None Detected
91909097-0037B	Built-up Roofing under Black	Fibrous			
11909091-0031B	Membrane	Homogeneous			
ym-37-Roofing 1	Southwest Roof -	Black	40% Cellulose	60% Non-fibrous (Other)	None Detected
ym or recoming r	Built-up Roofing	Fibrous	1070 001101000	0070110111101000 (0011017)	Trong Bottotto
91909097-0038	under Black	Homogeneous			
07.5	Membrane	Dii-	000/ 0 " :	100/ 11 - 51 - 1011 -	
Sym-37-Roofing 2	Southwest Roof - Built-up Roofing	Black Fibrous	60% Cellulose	40% Non-fibrous (Other)	None Detected
91909097-0038A	under Black	Homogeneous			
CONTROL CONTROL TO CONTROL CON	Membrane				
ym-37-Membrane	Southwest Roof -	Black		60% Ca Carbonate	None Detected
	Built-up Roofing	Non-Fibrous		40% Non-fibrous (Other)	
91909097-0038B	under Black Membrane	Homogeneous			
Sym-38-Floor Tile	Lobby - 9" x 9" Black	Black		40% Ca Carbonate	3% Chrysotile
, 55 . 1001 7110	with White Streaks	Fibrous		57% Non-fibrous (Other)	270 Olliyoodio
91909097-0039	Floor Tile and Mastic	Homogeneous			
Sym-38-Mastic	Lobby - 9" x 9" Black	Black		95% Non-fibrous (Other)	5% Chrysotile
,	with White Streaks	Fibrous			



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Sample	Description	Appearance	% Fibrous	Non-Asbestos	% Non-Fibrous	<u>Asbestos</u> % 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	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	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				5	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	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	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	Boy's Restroom - Ceramic Floor Tile Grout and Mortar	Gray Non-Fibrous			20% Quartz 40% Ca Carbonate	None Detected
Gym-46-Grout	Boy's Restroom - Ceramic Floor Tile Grout and Mortar	Gray Non-Fibrous			40% Non-fibrous (Other) 10% Quartz 40% Ca Carbonate	None Detected
Gym-46-Mortar	Boy's Restroom - Ceramic Floor Tile Grout and Mortar	White Non-Fibrous Homogeneous			50% Non-fibrous (Other) 40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
Gym-47-Grout	Girl's Restroom -	White			20% Quartz	None Detected



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			<u>Asbestos</u>		
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
Gym-47-Mortar	Girl's Restroom - Ceramic Wall Tile	Gray Non-Fibrous	<1% Cellulose	60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
291909097-0048A	Grout and Mortar	Homogeneous			
Gym-48-Grout	Girl's Restroom -	White		20% Quartz	None Detected
20400007 0040	Ceramic Wall Tile	Non-Fibrous		40% Ca Carbonate	
291909097-0049	Grout and Mortar	Homogeneous	And the second s	40% Non-fibrous (Other)	
Gym-48-Mortar	Girl's Restroom -	Gray	<1% Cellulose	60% Ca Carbonate	None Detected
291909097-0049A	Ceramic Wall Tile Grout and Mortar	Non-Fibrous		40% Non-fibrous (Other)	
		Homogeneous			
Gym-49-Grout	Girl's Restroom - Ceramic Wall Tile	Gray Non-Fibrous		10% Quartz	None Detected
291909097-0050	Grout and Mortar	Homogeneous		40% Ca Carbonate 50% Non-fibrous (Other)	
Gym-49-Mortar	Girl's Restroom - Ceramic Wall Tile	White Non-Fibrous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
291909097-0050A	Grout and Mortar	Homogeneous		00 % Non-librous (Other)	
Gym-50	Girl's Restroom - 2' x	Gray/White	30% Cellulose	15% Perlite	None Detected
Syll1-30	2' White Ceiling Tile	Fibrous	40% Min. Wool	15% Non-fibrous (Other)	None Detected
291909097-0051	with Dots	Homogeneous	107011111111111111111111111111111111111	To A Hor Horodo (Otrici)	
Gym-51	Girl's Restroom - 2' x	Gray/White	30% Cellulose	15% Perlite	None Detected
Oyiii O i	2' White Ceiling Tile	Fibrous	40% Min. Wool	15% Non-fibrous (Other)	None Detected
291909097-0052	with Dots	Homogeneous		to to their indicate (Guiter)	
Gym-52	Boy's Restroom - 2' x	Gray/White	30% Cellulose	15% Perlite	None Detected
-, o <u>-</u>	2' White Ceiling Tile	Fibrous	40% Min. Wool	15% Non-fibrous (Other)	None Detected
291909097-0053	with Dots	Homogeneous		, , , , , , , , , , , , , , , , , , , ,	
Gym-53-Floor Tile	South Entry - 12" x	White/Pink		40% Ca Carbonate	<1% Chrysotile
The state of the s	12" Pink with White	Non-Fibrous		60% Non-fibrous (Other)	,
291909097-0054	Specks Floor Tile and	Homogeneous			
	Mastic				
Gym-53-Mastic	South Entry - 12" x	Brown/Black		10% Quartz	3% Chrysotile
	12" Pink with White	Fibrous		10% Ca Carbonate	
291909097-0054A	Specks Floor Tile and Mastic	Homogeneous		77% Non-fibrous (Other)	
Cum EA Floor Tile	The state of the s	White/Pink		40% 0 0 4	
Gym-54-Floor Tile	South Entry - 12" x 12" Pink with White	Non-Fibrous		40% Ca Carbonate	<1% Chrysotile
291909097-0055	Specks Floor Tile and	Homogeneous		60% Non-fibrous (Other)	
	Mastic	· · · · · · · · · · · · · · · · · · ·			
Gym-54-Mastic	South Entry - 12" x				Positive Stop (Not Analyzed)
	12" Pink with White				. John otop (Not Alialyzed
291909097-0055A	Specks Floor Tile and				
	Mastic				
Gym-55-Floor Tile	South Entry - 12" x	Gray		40% Ca Carbonate	<1% Chrysotile
	12" Pink with White	Non-Fibrous		60% Non-fibrous (Other)	20 Vacco 25 VAN
291909097-0056	Specks Floor Tile and	Homogeneous			
	Mastic				
Gym-55-Mastic	South Entry - 12" x				Positive Stop (Not Analyzed
20100007.00564	12" Pink with White				
291909097-0056A	Specks Floor Tile and Mastic				
Svm. 56	Girl's Restroom -	Various/Cross/Bsis		10% Overt	Name State of the
Gym-56	CMU Block Filler	Various/Green/Beig e		10% Quartz 20% Ca Carbonate	None Detected
291909097-0057	Citio Dicon Fillor	Non-Fibrous		70% Non-fibrous (Other)	
		Homogeneous		(51101)	
Gym-57	Lobby - CMU Block	Various/Green/Beig		10% Quartz	None Detected
	Filler	e		20% Ca Carbonate	Hone Detected
291909097-0058		Non-Fibrous		70% Non-fibrous (Other)	
		Homogeneous			



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				Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous		% Non-Fibrous	% Type
Gym-58 291909097-0059	Gym North Wall - CMU Block Filler	Various/Green/Beig e Non-Fibrous Homogeneous			10% Quartz 20% Ca Carbonate 70% Non-fibrous (Other)	None Detected
Gym-59	Gym South Wall - CMU Block Filler	Various/Green/Beig			10% Quartz 20% Ca Carbonate	None Detected
291909097-0060		Non-Fibrous Homogeneous			70% Non-fibrous (Other)	
Gym-60	Gym West Wall - CMU Block Filler	Brown/Gray Non-Fibrous			10% Quartz 25% Ca Carbonate	None Detected
291909097-0061 Gym-61	South Entry - CMU	Homogeneous Gray/Tan			65% Non-fibrous (Other) 10% Quartz	None Detected
91909097-0062	Block Filler	Non-Fibrous Homogeneous			30% Ca Carbonate 60% Non-fibrous (Other)	Hono Delotico
Gym-62	Boy's Locker Room (Room 606) - CMU	Gray/Tan Non-Fibrous			10% Quartz 20% Ca Carbonate	None Detected
291909097-0064 291909097-0064	Block Filler North Lobby - 12" x 12" Light Gray with Gray and White Specks Floor Tile and Mastic	Gray/White Non-Fibrous Homogeneous			70% Non-fibrous (Other) 40% Ca Carbonate 60% Non-fibrous (Other)	<1% Chrysotile
Gym-63-Mastic	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 291909097-0065	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 91909097-00654	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 291909097-0066	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 291909097-0066A	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	Gym - Black Felt Paper under	Brown/Black Fibrous	70% Cel	lulose	30% Non-fibrous (Other)	None Detected
291909097-0067	Hardwood Flooring	Homogeneous				
Gym-67	Gym - Black Felt Paper under	Brown/Black Fibrous	70% Cel	lulose	30% Non-fibrous (Other)	None Detected
Gym-68	Hardwood Flooring Gym - Black Felt	Homogeneous Black Eibrous	70% Cel	lulose	30% Non-fibrous (Other)	None Detected
291909097-0069	Paper under Hardwood Flooring	Fibrous Homogeneous				



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			Asbestos		
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
Gym-69 291909097-0070	Boy's Locker Room (Room 606) - 2' x 2'	Brown/Gray Fibrous	15% Cellulose 3% Glass	20% Ca Carbonate 30% Gypsum	None Detected
291909091-0070	White Drywall Ceiling Tile	Homogeneous		32% Non-fibrous (Other)	
Gym-70	Boy's Locker Room (Room 606) - 2' x 2'	Brown/Gray Fibrous	8% Cellulose 3% Glass	20% Ca Carbonate 30% Gypsum	None Detected
91909097-0071	White Drywall Ceiling Tile	Homogeneous		39% Non-fibrous (Other)	
Gym-71	Boy's Locker Room (Room 606) - 2' x 2'	Brown/Gray Fibrous	20% Cellulose 3% Glass	40% Gypsum 37% Non-fibrous (Other)	None Detected
91909097-0072	White Drywall Ceiling Tile	Homogeneous	o / o olado	or when include (outer)	
Gym-72	Gym South Wall - Beige FRP Adhesive	Beige Fibrous	2% Cellulose	10% Ca Carbonate 88% Non-fibrous (Other)	None Detected
91909097-0073		Homogeneous			
Gym-73	Gym South Wall - Beige FRP Adhesive	Beige Fibrous	2% Cellulose	10% Ca Carbonate 88% Non-fibrous (Other)	None Detected
291909097-0074		Homogeneous			
Gym-74	Gym South Wall - Beige FRP Adhesive	Beige Fibrous	2% Cellulose	10% Ca Carbonate 88% Non-fibrous (Other)	None Detected
291909097-0075		Homogeneous			
Gym-75	Gym North Wall - Interior Window Caulk	Brown/Gray/White Fibrous	2% Wollastonite 2% Fibrous (Other)	30% Ca Carbonate 61% Non-fibrous (Other)	5% Chrysotile
91909097-0076		Homogeneous			
Gym-76	Gym North Wall - Interior Window Caulk				Positive Stop (Not Analyzed)
91909097-0077					
Gym-77	Gym North Wall - Interior Window Caulk				Positive Stop (Not Analyzed)
291909097-0078					
Gym-78-TSI	Gym at West Wall - Hard TSI Elbow with	Gray Fibrous	60% Min. Wool	20% Ca Carbonate 20% Non-fibrous (Other)	None Detected
91909097-0079	Canvas Wrap	Homogeneous			
Gym-78-Wrap	Gym at West Wall - Hard TSI Elbow with	White Fibrous	70% Cellulose	30% Non-fibrous (Other)	None Detected
291909097-0079A	Canvas Wrap	Homogeneous	000/ 15 - 14-1	200 0 0 1 1 1	
91909097-0080	Gym Northeast - Hard TSI Elbow with Canvas Wrap	Gray Fibrous Homogeneous	60% Min. Wool	20% Ca Carbonate 20% Non-fibrous (Other)	None Detected
Sym-79-Wrap	Gym Northeast - Hard	White	70% Cellulose	30% Non-fibrous (Other)	None Detected
91909097-0080A	TSI Elbow with Canvas Wrap	Fibrous Homogeneous	70% Cellulose	30% Non-librous (Other)	None Detected
Sym-80-TSI	At Girl's Locker Room	Gray	60% Min. Wool	20% Ca Carbonate	None Detected
91909097-0081	- Hard TSI Elbow with Canvas Wrap	Fibrous Homogeneous	OU /G IVIIII. VYOOI	20% Non-fibrous (Other)	None Detected
	At Girl's Locker Room	White	75% Cellulose	25% Non-fibrage (Other)	None Detected
91909097-0081A	- Hard TSI Elbow with Canvas Wrap	Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (Other)	None Detected
Sym-81-Coating	Gym Roof North -	White	20% Synthetic	25% Ca Carbonate	None Detected
91909097-0082	White Coating over Silver Paint over	Fibrous Homogeneous	20 % Synthetic	55% Non-fibrous (Other)	None Detected
	Built-up Roofing				
Gym-81-Roofing	Gym Roof North - White Coating over	Black Fibrous	30% Cellulose 10% Glass	60% Non-fibrous (Other)	None Detected
91909097-0082B	Silver Paint over Built-up Roofing	Homogeneous			



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

			Asbestos		
Sample De	Description	Appearance	% 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 291909097-00838	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	Gym Roof Northwest - White Coating over	Black Fibrous	30% Cellulose 10% Glass	60% Non-fibrous (Other)	None Detected
291909097-0084A	Silver Paint over Built-up Roofing	Homogeneous			
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 Barns

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

s, Inc. Order ID: 291909097

Terracon Consultants, Inc.

70197439 Erwin Elementary School Demolition Asbestos

9/4/2019 10:5 PLM TAT: 1 Week Bulk No Samples: 87

Due: 09/11 10:05 AM Fax: 919-873-9555 orrisville, NC 27560

PHONE: 919-465-3900 FAX: 919-465-3950

					-i	1 ///	. 919-405-3950
Company Name : Terrac	on Consult	ants, Inc.	EMSL Customer ID:				
Street: 2401 Brentwood	Road Suite	107	City: Raleig	City: Raleigh		State/Provi	nce: NC
Zip/Postal Code: 27604		Country: US	Telephone #: 913-873-2211				
Report To (Name): Alicia	Report To (Name): Alicia Coley			de Results:	☐ Fax	☑ Email	
Email Address: ancoley & trey.turner@terracon.com			Purchase Or	der:			
Project Name/Number: 7			EMSL Project		Use On	(y):	
U.S. State Samples Taker		ш По	CT Samples	: Comme	rcial/Tax	able Res	idential/Tax Exempt
	EMSL-B	ill to: ☑ Same ☐ Different - Third Party Billing requires write	ten authorization	from third part		nts**	
		Turnaround Time (TAT)					
	Hour [24 Hour 48 Hour ead to schedule. There is a premium	charge for 3 Hou	UT U 9	6 Hour	1 Week	2 Week
authorization form f	for this service.	Analysis completed in accordance	with EMSL's Tem	ns and Condition	ns located	in the Analytical	Price Guide.
PCM - Air Check if san from NY	nples are	TEM - Air 4-4.5hr TAT (AHERA only)	TEM- Dust			
☐ NIOSH 7400		AHERA 40 CFR, Part		Microva	c - ASTN	1 D 5755	
w/ OSHA 8hr. TWA		☐ 763 NIOSH 7402		Wipe - A	ASTM D6	480	
PLM - Bulk (reporting lim	it)	EPA Level II		Carpet S	Sonicatio	n (EPA 600/J	-93/167)
PLM EPA 600/R-93/116	ô (<1%)	☐ ISO 10312		Soil/Rock/\	/ermicul	ite	
PLM EPA NOB (<1%)		TEM - Bulk		-			nilling prep (<1%)
Point Count		TEM EPA NOB					nilling prep (<0.25%)
☐400 (<0.25%) ☐1000 (Point Count w/Gravimetric	(<0.1%)	NYS NOB 198.4 (non-fria	ble-NY)				nilling prep (<0.1%)
400 (<0.25%) 1000	(en 1%)	Chatfield SOP	600 coc 2 5			ia Filtration F	
_		TEM Mass Analysis-EPA 600 sec. 2.5		2.5 TEM Qualitative via Drop Mount Prep Cincinnati Method EPA 600/R-04/004 – PLM/TEM			
NYS 198.1 (friable in N		TEM – Water: EPA 100.2		(BC only)			
MYS 198.6 NOB (non-f	friable-NY)	Fibers >10µm Waste Drinking		Other:			
NYS 198.8 SOF-V		All Fiber Sizes Waste	Drinking				
	on – Clearly	Identify Homogenous Group	Filter	Pore Size (A	ir Samol	es): 🗀0 8:	µm /□0.45μm
					MA	200	NAM.
Samplers Name: AliCi	a Coley	/ Trey Turner	Samplers	Signature:	Alra	a Cily	4012
Sample #		Sample Description	on			e/Area (Airi) # (Bulk)	' Date/Time Sampled
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Client Sample # (s):		•		1	Total # of	Samples:	687
Relinquished (Client):	dricia C	Date:	9/3/19			Time	: 1400
Received (Lab):		Date:	9/	3/19		Time	10:05
Comments/Special Instru	ctions:	P	77	/			
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				FS	795	72832	5345
				10	110		

OrderID: 291909097 | Elementary School Demolition Asbestos

PLM

9/4/2019 10:5

Bulk

TAT: 1 Week

No Samples: 87 Due: 09/11 10:05 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; tray.turner@terracon.com Analysis: PLM TAT: 2 Days 3 Days 4 Days (5 Days Other Project Name: Erwin Elementary School Demolition Asbestos Survey Project Number: 70197439 **Building Number:** Gym Building 301 S. 10th Street, Erwin, NC Address: **Building Classification:** HA Sample # Description Location Notes West Roof White Roof Caulk at Brick First Positive Stop Gym-1 1 West Roof Gym-2 White Roof Caulk at Brick 1 West Roof Gym-3 White Roof Caulk at Brick 2 West Roof First Positive Stop Gym-4 White Roof Caulk at Penetrations 2 West Roof Gym-5 White Roof Caulk at Penetrations 2 West Roof Gym-6 White Roof Caulk at Penetrations 3 East Roof Gym-7 Gray Wrap on Roof-Mounted HVAC Unit First Positive Stop 3 **Fast Roof** Gym-8 Gray Wrap on Roof-Mounted HVAC Unit 3 **East Roof** Gym-9 Gray Wrap on Roof-Mounted HVAC Unit East Roof Deck 4 First Positive Stop Gym-10 Lightweight Concrete 4 East Roof Deck Gym-11 Lightweight Concrete 1 4 Gym Roof Deck J Gym-12 Lightweight Concrete 5 East Roof at Chimney First Positive Stop **Gym-13** White Caulk at Lightning Rod Mount 5 East Roof at Chimney Gym-14 White Caulk at Lightning Rod Mount Ψ 5 East Roof at Chimney T Gym-15 White Caulk at Lightning Rod Mount 6 Southeast Roof First Positive Stop Gym-16 Black Roof Caulk 6 Southeast Roof Gym-17 Black Roof Caulk 6 Southeast Roof T Gym-18 Black Roof Caulk First Positive Stop 7 East Roof - North at Canopy Gym-19 **Textured Exterior Soffit** 7 East at Lawnmower Storage Room Gym-20 **Textured Exterior Soffit** 7 East at Boiler Room Gym-21 **Textured Exterior Soffit** 8 Northeast Storage Room Gym-22 Textured Celling Plaster 8 Northeast Storage Room Gym-23 **Textured Ceiling Plaster** Lawnmower Storage Room 8 Gym-24 Textured Celling Plaster 8 Lawnmower Storage Room Gym-25 **Textured Ceiling Plaster** 8 **Boiler Room** Gym-22/ Textured Ceiling Plaster 9 Northeast Door First Positive Stop Gym-26 White Exterior Door Caulk 9 South Door to Gym Gym-27 White Exterior Door Caulk 9 Northeast Door to Storage Room Gym-28 White Exterior Door Caulk 10 Roll-up Door First Positive Stop Gym-29 Beige Exterior Door Caulk 10 Roll-up Door Gym-30 Beige Exterior Door Caulk 10 North Door Gym-31 Beige Exterior Door Caulk 11 Southeast Window First Positive Stop **Gym-32** White Exterior Window Glazing 11 Southeast Window **Gym-33** White Exterior Window Glazing 11 East Window Gym-34 White Exterior Window Glazing 12 Southwest Roof First Positive Stop Gym-35 Built-up Roofing under Black Membrane 12 Southwest Roof Gvm-36 Built-up Roofing under Black Membrane 12 Southwest Roof Gym-37 Built-up Roofing under Black Membrane 4 13 Lobby First Positive Stop Gym-38 9" x 9" Black with White Streaks Floor Tile and Mastic 13 Lobby 4 Gym-39 9" x 9" Black with White Streaks Floor Tile and Mastic 13 Lobby 4 Gym-40 9" x 9" Black with White Streaks Floor Tile and Mastic South Entry 14 First Positive Stop 12" x 12" Off-white with Brown and White Specks Floor Tile and Mastic Gym-41 South Entry 14 Gym-42 12" x 12" Off-white with Brown and White Specks Floor Tile and Mastic \downarrow 14 South Entry Gym-43 12" x 12" Off-white with Brown and White Specks Floor Tile and Mastic 15 Boy's Restroom First Positive Stop Gym-44 Ceramic Floor Tile Grout and Mortar 15 Boy's Restroom Ceramic Floor Tile Grout and Mortar Gym-45 15 Boy's Restroom Gym-46 Ceramic Floor Tile Grout and Mortar 16 Girt's Restroom First Positive Stop Gym-47 Ceramic Wall Tile Grout and Mortan 16 Girl's Restroom Gym-48 Ceramic Wall Tile Grout and Mortar 16 Girl's Restroom Gym-49 Ceramic Wall Tile Grout and Mortar 17 Giri's Restroom First Positive Stop Gym-50 2' x 2' White Ceiling Tile with Dots 17 Girl's Restroom Gym-51 2' x 2' White Celling Tile with Dots 17 Boy's Restroom Gym-52 2' x 2' White Celling Tile with Dots 18 South Entry First Positive Stop Gym-53 12" x 12" Pink with White Specks Floor Tile and Mastic 18 South Entry 12" x 12" Pink with White Specks Floor Tile and Mastic Gym-54

9/4/2019 10:5

PLM

OrderID: 291909097 rwin Elementary School Demolition Asbestos

TAT: 1 Week 8uk No Samples: 87

Due: 09/11 10:05 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 tumer@terracon com Analysis: PLM TAT: 3 Days 4 Days (5 Days) Other 1 Day 2 Days Project Name: Erwin Elementary School Demolition Asbestos Survey Project Number: 70197439 **Building Number:** Gym Building Address: 301 S. 10th Street, Erwin, NC **Building Classification:** Location HA Sample # Description Notes 18 South Entry Gym-55 12" x 12" Pink with White Specks Floor Tile and Mastic 19 Girl's Restroom Gym-56 First Positive Stop **CMU Block Filler** 19 Gym-57 CMU Block Filler 19 Gym North Wall Gym-58 CMU Block Filler 4 19 Gym South Wall Gym-59 4 **CMU Block Filler** 19 Gym West Wall Gym-60 4 CMU Block Filler 19 Gym-61 South Entry 1 CMU Block Filler 19 Boy's Locker Room (Room 606) Gym-62 CMU Block Filler 20 North Lobby First Positive Stop Gym-63 12" x 12" Light Gray with Gray and White Specks Floor Tile and Mastic 20 At Girl's Locker Room Gym-64 12" x 12" Light Gray with Gray and White Specks Floor Tile and Mastic 4 20 At Boy's Locker Room Gym-65 12" x 12" Light Gray with Gray and White Specks Floor Tile and Mastic 21 Gym First Positive Stop Gym-66 Black Felt Paper under Hardwood Flooring 21 Gym Gym-67 Black Felt Paper under Hardwood Flooring 21 Gym Gym-68 Black Felt Paper under Hardwood Flooring 22 Boy's Locker Room (Room 606) First Positive Stop Gym-89 2' x 2' White Drywall Ceiling Tile 22 Boy's Locker Room (Room 606) Gym-70 2' x 2' White Drywall Ceiling Tile 22 Boy's Locker Room (Room 606) Gym-71 2' x 2' White Drywall Ceiling Tile 23 Gym South Wall First Positive Stop Gym-72 Beige FRP Adhesive 23 Gym South Wall Gym-73 Beige FRP Adhesive 23 Gym South Wall Gym-74 Beige FRP Adhesive 24 Gym North Wall First Positive Stop Gym-75 Interior Window Caulk 24 Gym North Wall 4 Gym-76 Intenor Window Caulk 24 Gym North Wall Gym-77 Interior Window Caulk 25 Gym at West Wall First Positive Stop Gym-78 Hard TSI Elbow with Canvas Wrap 25 Gym Northeast Hard TSI Elbow with Canvas Wrap Gym-79 25 At Girl's Locker Room Gym-80 Hard TSI Elbow with Canvas Wrap 4 26 Gym Roof North First Positive Stop Gym-81 White Coating over Silver Paint over Built-up Roofing 26 **Gym Roof Northwest** White Coating over Silver Paint over Built-up Roofing 4 Gym-82 26 **Gym Roof Northwest** Gym-83 White Coating over Silver Paint over Built-up Roofing 4 First Positive Stop 27 Gym Roof North Gym-84 Black Roof Mastic 27 **Gym Roof Northwest** Gym-85 Black Roof Mastic 4 27 **Gym Roof Northwest** 1 Gym-86 Black Roof Mastic



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

Coley 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

		Asbestos			
Sample	Description	Appearance	% 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	East Roof - White Caulk at Gutters	White Non-Fibrous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
291909105-0002		Homogeneous			
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	East Roof - White	White		25% Ca Carbonate	None Detected
291909105-0004	Caulk at Roof Penetrations	Non-Fibrous Homogeneous		75% Non-fibrous (Other)	None Detected
3-5	East Roof - White Caulk at Roof Penetrations	White Non-Fibrous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
3-6	East Roof - White Caulk at Roof Penetrations	White Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
3-7-Shingle	East - Black Shingles and Felt Paper	Gray/Black Fibrous	3% Cellulose 20% Glass	40% Ca Carbonate 37% Non-fibrous (Other)	None Detected
291909105-0007	•	Homogeneous			
3-7-Felt Paper	East - Black Shingles and Felt Paper	Brown/Black Fibrous	70% Cellulose	30% Non-fibrous (Other)	None Detected
3-8-Shingle	East - Black Shingles and Felt Paper	Homogeneous Gray/Black Fibrous	3% Cellulose 20% Glass	40% Ca Carbonate 37% Non-fibrous (Other)	None Detected
291909105-0008		Homogeneous			
3-8-Felt Paper	East - Black Shingles and Felt Paper	Brown/Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
3-9-Shingle	West - Black Shingles and Felt Paper	Gray/Black Fibrous	3% Cellulose 20% Glass	25% Ca Carbonate 52% Non-fibrous (Other)	None Detected
291909105-0009		Homogeneous			
3-9-Felt Paper	West - Black Shingles and Felt Paper	Black Fibrous	85% Cellulose	15% Non-fibrous (Other)	None Detected
291909105-0009A	F	Homogeneous	-10/ 0 " 1	1000/11 57 127	
3-10	East Roof West Penetration - Black Roof Mastic	Black Non-Fibrous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
3-11	East Roof West Penetration - Black	Homogeneous Black Non-Fibrous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
291909105-0011	Roof Mastic	Homogeneous			
3-12	East Roof West Penetration - Black	Black Non-Fibrous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
291909105-0012	Roof Mastic	Homogeneous	***************************************		
3-13	West Roof at Brick Wall - Black Roof	Black Non-Fibrous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
291909105-0013	Caulk	Homogeneous			



Project ID:

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

			Non-Asbestos				
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type		
3-14	West Roof at Brick Wall - Black Roof	Black Non-Fibrous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected		
291909105-0014	Caulk	Homogeneous					
3-15 291909105-0015	West Roof at Brick Wall - Black Roof	Black Non-Fibrous		52% Ca Carbonate 48% Non-fibrous (Other)	None Detected		
	Caulk	Homogeneous					
-16-Mastic	West Roof - White Mastic on EPDM over Built-up Roofing	White Fibrous	10% Synthetic	25% Ca Carbonate 65% Non-fibrous (Other)	None Detected		
		Homogeneous	20/ 0 11 1	050/ 0 0 1			
-16-EPDM 91909105-0016A	West Roof - White Mastic on EPDM over Built-up Roofing	Black Fibrous Homogeneous	2% Cellulose	25% Ca Carbonate 73% Non-fibrous (Other)	None Detected		
			050/ 0-11-1	050/ 11 51 (01)			
1-16-Roofing 91909105-0016B	West Roof - White Mastic on EPDM over	Brown/Black Fibrous	65% Cellulose	35% Non-fibrous (Other)	None Detected		
	Built-up Roofing	Homogeneous					
3-17-Mastic	West Roof - White Mastic on EPDM over Built-up Roofing	White Fibrous Homogeneous	10% Synthetic	25% Ca Carbonate 65% Non-fibrous (Other)	None Detected		
			20/ 0-11-1	250/ 0- 0-4	Name But and		
91909105-0017A	West Roof - White Mastic on EPDM over Built-up Roofing	Black Fibrous Homogeneous	2% Cellulose	25% Ca Carbonate 73% Non-fibrous (Other)	None Detected		
- Parker Color Color			050/ 0 # /				
-17-Roofing 91909105-0017B	West Roof - White Mastic on EPDM over Built-up Roofing	Brown/Black Fibrous	65% Cellulose	35% Non-fibrous (Other)	None Detected		
		Homogeneous					
-18-Mastic 91909105-0018	West Roof - White Mastic on EPDM over	White Fibrous	10% Synthetic	25% Ca Carbonate 65% Non-fibrous (Other)	None Detected		
The state of the s	Built-up Roofing	Homogeneous					
9-18-EPDM	West Roof - White Mastic on EPDM over Built-up Roofing	Black Fibrous Homogeneous	5% Cellulose	25% Ca Carbonate 70% Non-fibrous (Other)	None Detected		
			250/ 0 # 1	450 11 51 1011 1			
1-18-Roofing 91909105-0018B	West Roof - White Mastic on EPDM over Built-up Roofing	Brown/Black Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected		
-19	West Roof - Silver	Black/Silver	2% Cellulose	25% Ca Carbonate	20/ Charactile		
-19	Paint and Black	Fibrous	2% Cellulose	71% Non-fibrous (Other)	2% Chrysotile		
91909105-0019	Flashing	Homogeneous		/ 176 Hon-librous (Other)			
nseparable paint & flashing		•					
-20	West Roof - Silver Paint and Black				Positive Stop (Not Analyzed)		
91909105-0020	Flashing						
-21	West Roof - Silver Paint and Black				Positive Stop (Not Analyzed)		
91909105-0021	Flashing						
-22	Cafeteria - 2' x 2' White Ceiling Tile with	White/Beige Fibrous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected		
91909105-0022	Dots and Pits	Homogeneous					
-23	Cafeteria - 2' x 2' White Ceiling Tile with	White/Beige Fibrous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected		
91909105-0023	Dots and Pits	Homogeneous					
-24	Cafeteria - 2' x 2' White Ceiling Tile with	Gray/Tan/White Fibrous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected		
91909105-0024	Dots and Pits	Homogeneous					
-25-Cove Base	Cafeteria - 4" Black Cove Base and	Black Non-Fibrous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected		
291909105-0025	Mastic	Homogeneous					



Project ID:

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

			Non-Asbe	stos	Asbestos		
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type		
3-25-Mastic	Cafeteria - 4" Black Cove Base and	Beige Fibrous	2% Cellulose	10% Ca Carbonate 88% Non-fibrous (Other)	None Detected		
291909105-0025A	Mastic	Homogeneous					
3-26-Cove Base	Cafeteria - 4" Black Cove Base and	Black Non-Fibrous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected		
291909105-0026	Mastic	Homogeneous					
3-26-Mastic	Cafeteria - 4" Black Cove Base and	Beige Fibrous	2% Cellulose	10% Ca Carbonate 88% Non-fibrous (Other)	None Detected		
291909105-0026A	Mastic	Homogeneous		Part Company Company Company Company			
3-27-Cove Base	Dry Storage - 4" Black Cove Base and	Black Non-Fibrous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected		
291909105-0027	Mastic	Homogeneous					
8-27-Mastic	Dry Storage - 4" Black Cove Base and	White Non-Fibrous	2% Cellulose	98% Non-fibrous (Other)	None Detected		
291909105-0027A	Mastic	Homogeneous					
3-28-Cove Base	Cafeteria - 6" Black Cove Base and	Black Non-Fibrous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected		
291909105-0028	Mastic	Homogeneous					
3-28-Mastic	Cafeteria - 6" Black Cove Base and	Tan Fibrous	2% Cellulose <1% Synthetic	10% Ca Carbonate 88% Non-fibrous (Other)	None Detected		
291909105-0028A	Mastic	Homogeneous					
3-29-Cove Base	Cafeteria - 6" Black Cove Base and	Black Non-Fibrous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected		
291909105-0029	Mastic	Homogeneous					
3-29-Mastic	Cafeteria - 6" Black Cove Base and	Tan Fibrous	2% Cellulose <1% Synthetic	10% Ca Carbonate 88% Non-fibrous (Other)	None Detected		
291909105-0029A	Mastic	Homogeneous					
3-30-Cove Base	Cafeteria - 6" Black Cove Base and Mastic	Black Non-Fibrous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected		
		Homogeneous	00/ 0 # 1				
3-30-Mastic	Cafeteria - 6" Black Cove Base and Mastic	White Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected		
3-31-Skim Coat	Girl's Restroom -	White		70% 0- 0-4	None Betarted		
291909105-0031	Plaster	Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected		
3-31-Base Coat	Girl's Restroom -			10% Quartz	None Detected		
	Plaster	Gray Non-Fibrous		60% Ca Carbonate	None Detected		
291909105-0031A		Homogeneous		30% Non-fibrous (Other)			
3-32-Skim Coat	Lounge - Plaster	White Non-Fibrous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected		
291909105-0032	L'agricon - Lange Ma	Homogeneous					
3-32-Base Coat	Lounge - Plaster	Gray Non-Fibrous		10% Quartz 60% Ca Carbonate	None Detected		
291909105-0032A		Homogeneous		30% Non-fibrous (Other)			
3-33-Skim Coat	Lounge - Plaster	White Non-Fibrous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected		
	Lounge Diester	Homogeneous		400/ 0			
3-33-Base Coat	Lounge - Plaster	Gray Non-Fibrous		10% Quartz 60% Ca Carbonate 30% Non-fibrous (Other)	None Detected		
M TOTAL PART AND THE PART AND THE	Boula Dester	Homogeneous		30% Non-fibrous (Other)			
3-34-Skim Coat	Boy's Restroom - Plaster	White Non-Fibrous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected		
3-34-Base Coat	Boy's Restroom -	Homogeneous Gray		55% Quartz	None Detected		
291909105-0034A	Plaster	Non-Fibrous Homogeneous		25% Ca Carbonate 20% Non-fibrous (Other)			



Project ID:

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

0		20	Non-Asbestos		<u>Asbestos</u>
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
3-35-Skim Coat	Serving Area - Plaster	White Non-Fibrous Homogeneous		75% Ca Carbonate 25% Non-fibrous (Other)	None Detected
3-35-Base Coat	Serving Area - Plaster	Gray		10% Quartz	None Detected
291909105-0035A	Colving / Ecc Fiction	Non-Fibrous Homogeneous		25% Ca Carbonate 65% Non-fibrous (Other)	None Detected
3-36-Cove Base	Cafeteria - 6" Brown Cove Base and	Black Non-Fibrous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
291909105-0036	Mastic	Homogeneous		Control of the contro	
3-36-Mastic	Cafeteria - 6" Brown Cove Base and	Brown Fibrous	2% Wollastonite 2% Fibrous (Other)	96% Non-fibrous (Other)	None Detected
291909105-0036A	Mastic	Homogeneous			
3-37-Cove Base	Cafeteria - 6" Brown Cove Base and Mastic	Black Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
3-37-Mastic	Cafeteria - 6" Brown	Brown	2% Wollastonite	OCCI Non Shares (Other)	N D
291909105-0037A	Cove Base and Mastic	Fibrous Homogeneous	2% Fibrous (Other)	96% Non-fibrous (Other)	None Detected
3-38-Cove Base	Cafeteria - 6" Brown Cove Base and	Brown Non-Fibrous		100% Non-fibrous (Other)	None Detected
291909105-0038	Mastic	Homogeneous			
3-38-Mastic	Cafeteria - 6" Brown Cove Base and	Brown Fibrous	3% Cellulose	97% Non-fibrous (Other)	None Detected
291909105-0038A	Mastic	Homogeneous			
3-40-Floor Tile	Lounge - 12" x 12" Tri-beige Floor Tile	White Non-Fibrous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
291909105-0039	and Mastic	Homogeneous			
3-40-Mastic	Lounge - 12" x 12" Tri-beige Floor Tile and Mastic	Black Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
3-41-Floor Tile	Lounge - 12" x 12"	White		100% Non Ehrone (Other)	News Detected
291909105-0040	Tri-beige Floor Tile and Mastic	Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3-41-Mastic	Lounge - 12" x 12" Tri-beige Floor Tile				Positive Stop (Not Analyzed)
291909105-0040A	and Mastic				
3-42-Floor Tile	Lounge - 12" x 12" Tri-beige Floor Tile	White Non-Fibrous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
291909105-0041	and Mastic	Homogeneous			
3-42-Mastic	Lounge - 12" x 12" Tri-beige Floor Tile				Positive Stop (Not Analyzed)
291909105-0041A	and Mastic	0 7			
3-43	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	Electrical Room -	Gray/Tan		10% Quartz	None Detected
291909105-0043	Textured Coating on CMU and Brick Walls	Non-Fibrous Homogeneous		40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
3-45	Storage Room -	Gray/Tan		20% Ca Carbonate	3% Chrysotile
	Textured Coating on	Fibrous		77% Non-fibrous (Other)	o /o offigadile
291909105-0044 This HA sample group is no	CMU and Brick Walls	Homogeneous			
	-	Gray/Tan		25% Cc C-+	N 5-1 1 1
3-46	Storage Room - Textured Coating on	Gray/Tan Non-Fibrous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
291909105-0045	CMU and Brick Walls	Homogeneous		(50,00)	



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Project ID:

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

			Non-Asbes	itos	Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
3-47	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	Brown Fibrous Homogeneous		40% Ca Carbonate 58% Non-fibrous (Other)	2% Chrysotile
3-48-Mastic 1 291909105-0047A	Tile and Mastic 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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			Non-Asbes	stos	Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
3-57	Electrical Room - Dark Red Fire Caulk	Red Fibrous	2% Cellulose 10% Glass	88% Non-fibrous (Other)	None Detected
291909105-0056	Daik Ned File Caulk	Homogeneous	10% Glass		
3-58	Electrical Room -	Red	2% Cellulose	88% Non-fibrous (Other)	None Detected
	Dark Red Fire Caulk	Fibrous	10% Glass	,	
291909105-0057		Homogeneous			
3-59	Electrical Room -	Red	5% Glass	95% Non-fibrous (Other)	None Detected
291909105-0058	Dark Red Fire Caulk	Fibrous Homogeneous			
3-60	Cafeteria - Beige FRP	Beige	<1% Cellulose	100% Non Shrave (Other)	Name Detected
3-00	Adhesive	Non-Fibrous	176 Cellulose	100% Non-fibrous (Other)	None Detected
291909105-0059		Homogeneous			
3-61	Cafeteria - Beige FRP	Beige	<1% Cellulose	100% Non-fibrous (Other)	None Detected
	Adhesive	Non-Fibrous		7 8	
291909105-0060		Homogeneous			
3-62	Cafeteria - Beige FRP	Beige	<1% Cellulose	100% Non-fibrous (Other)	None Detected
291909105-0061	Adhesive	Non-Fibrous Homogeneous			
3-63	Chemical Storage - 2'	Gray/White	30% Cellulose	15% Perlite	None Detected
3-03	x 4' White Ceiling Tile	Fibrous	40% Min. Wool	15% Peritte 15% Non-fibrous (Other)	None Detected
291909105-0062	with Dots and	Homogeneous		,	
	Fissures				
3-64	Chemical Storage - 2'	Gray/White	30% Cellulose	15% Perlite	None Detected
291909105-0063	x 4' White Ceiling Tile with Dots and	Fibrous	40% Min. Wool	15% Non-fibrous (Other)	
191909105-0063	Fissures	Homogeneous			
3-65	Chemical Storage - 2'	Gray/Tan/White	35% Cellulose	15% Perlite	None Detected
3-00	x 4' White Ceiling Tile	Fibrous	45% Min. Wool	5% Non-fibrous (Other)	None Detected
291909105-0064	with Dots and	Homogeneous		,	
	Fissures				
3-66	Kitchen - Tan Glue	Tan		100% Non-fibrous (Other)	None Detected
291909105-0065	behind Plastic Panel	Non-Fibrous			
3-67	Kitchen - Tan Glue	Homogeneous Tan		100% Non-Eberra (Other)	News Datastad
3-07	behind Plastic Panel	Non-Fibrous		100% Non-fibrous (Other)	None Detected
291909105-0066		Homogeneous			
3-68	Kitchen - Tan Glue	Tan		100% Non-fibrous (Other)	None Detected
	behind Plastic Panel	Non-Fibrous		•	The state of the s
291909105-0067		Homogeneous			
3-69-Grout	Boy's Restroom -	Gray		10% Quartz	None Detected
291909105-0068	Green Ceramic Wall Tile Grout and Mortar	Non-Fibrous Homogeneous		40% Ca Carbonate 50% Non-fibrous (Other)	
3-69-Mortar	Boy's Restroom -	Gray		20% Quartz	None Detected
J J Mortal	Green Ceramic Wall	Non-Fibrous		40% Ca Carbonate	None Detected
291909105-0068A	Tile Grout and Mortar	Homogeneous		40% Non-fibrous (Other)	
3-70-Grout	Boy's Restroom -	Gray		10% Quartz	None Detected
204020405 2022	Green Ceramic Wall	Non-Fibrous		40% Ca Carbonate	
291909105-0069	Tile Grout and Mortar	Homogeneous		50% Non-fibrous (Other)	
3-70-Mortar	Boy's Restroom - Green Ceramic Wall	Gray Non-Fibrous		20% Quartz	None Detected
291909105-0069A	Tile Grout and Mortar	Homogeneous		40% Ca Carbonate 40% Non-fibrous (Other)	
3-71-Grout	Boy's Restroom -	Gray		30% Quartz	None Detected
. i Giout	Green Ceramic Wall	Non-Fibrous		25% Ca Carbonate	Hone Detected
291909105-0070	Tile Grout and Mortar	Homogeneous		45% Non-fibrous (Other)	
3-71-Mortar	Boy's Restroom -	Gray		30% Quartz	None Detected
	Green Ceramic Wall	Non-Fibrous		25% Ca Carbonate	
291909105-0070A	Tile Grout and Mortar	Homogeneous	W-3110-011	45% Non-fibrous (Other)	



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Boy's Restroom - Brown Ceramic Wall Tile Grout and Mortar Boy's Restroom - Brown Ceramic Wall Tile Grout and Mortar Boy's Restroom - Brown Ceramic Wall Tile Grout and Mortar Boy's Restroom - Brown Ceramic Wall Tile Grout and Mortar Boy's Restroom - Brown Ceramic Wall Tile Grout and Mortar Boy's Restroom - Brown Ceramic Wall	Gray Non-Fibrous Homogeneous Gray/White Non-Fibrous Homogeneous Gray Non-Fibrous Homogeneous Gray/White Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other) 20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other) 10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected None Detected
Boy's Restroom - Brown Ceramic Wall Tile Grout and Mortar Boy's Restroom - Brown Ceramic Wall Tile Grout and Mortar Boy's Restroom - Brown Ceramic Wall Tile Grout and Mortar Boy's Restroom -	Gray/White Non-Fibrous Homogeneous Gray Non-Fibrous Homogeneous Gray/White Non-Fibrous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other) 10% Quartz 40% Ca Carbonate	
Brown Ceramic Wall Tile Grout and Mortar Boy's Restroom - Brown Ceramic Wall Tile Grout and Mortar Boy's Restroom - Brown Ceramic Wall Tile Grout and Mortar Boy's Restroom -	Non-Fibrous Homogeneous Gray Non-Fibrous Homogeneous Gray/White Non-Fibrous		40% Ca Carbonate 40% Non-fibrous (Other) 10% Quartz 40% Ca Carbonate	
Boy's Restroom - Brown Ceramic Wall Tile Grout and Mortar Boy's Restroom - Brown Ceramic Wall Tile Grout and Mortar Boy's Restroom -	Gray Non-Fibrous Homogeneous Gray/White Non-Fibrous		10% Quartz 40% Ca Carbonate	None Detected
Brown Ceramic Wall Tile Grout and Mortar Boy's Restroom - Brown Ceramic Wall Tile Grout and Mortar Boy's Restroom -	Non-Fibrous Homogeneous Gray/White Non-Fibrous		40% Ca Carbonate	None Detected
Boy's Restroom - Brown Ceramic Wall Tile Grout and Mortar Boy's Restroom -	Gray/White Non-Fibrous		50 % HOIT-IIDIOUS (Outer)	
Brown Ceramic Wall Tile Grout and Mortar Boy's Restroom -	Non-Fibrous		20% Quartz	None Detected
Boy's Restroom -			40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
	Gray Non-Fibrous		10% Quartz	None Detected
Tile Grout and Mortar	Homogeneous		65% Non-fibrous (Other)	
Boy's Restroom - Brown Ceramic Wall	Gray/White Non-Fibrous		10% Quartz 25% Ca Carbonate	None Detected
Tile Grout and Mortar	Homogeneous		65% Non-fibrous (Other)	
Girl's Restroom - Ceramic Floor Tile	Gray Non-Fibrous		10% Quartz 40% Ca Carbonate	None Detected
	2012			
Ceramic Floor Tile	Non-Fibrous		30% Ca Carbonate	None Detected
				None Detected
Ceramic Floor Tile	Non-Fibrous		40% Ca Carbonate	None Detected
				None Detected
Ceramic Floor Tile Grout and Mortar	Non-Fibrous Homogeneous		30% Ca Carbonate 55% Non-fibrous (Other)	None Detected
Girl's Restroom -	Gray		10% Quartz	None Detected
Ceramic Floor Tile Grout and Mortar	Non-Fibrous Homogeneous		40% Ca Carbonate 50% Non-fibrous (Other)	
Girl's Restroom - Ceramic Floor Tile	Tan Non-Fibrous		20% Quartz 40% Ca Carbonate	None Detected
Grout and Mortar	Homogeneous		40% Non-fibrous (Other)	
Chemical Storage - CMU Block Filler	White/Various/Beig e Non-Fibrous		10% Quartz 30% Ca Carbonate 60% Non-fibrous (Other)	<1% Chrysotile
	Homogeneous			
Office - CMU Block Filler	White/Various/Beig e		10% Quartz 30% Ca Carbonate	None Detected
			60% Non-fibrous (Other)	
Dry Storage - CMU	White/Various/Beig	<1% Cellulose	10% Quartz	None Detected
Sister, I mor	Non-Fibrous Homogeneous		70% Non-fibrous (Other)	
Wall Separating Kitchen and Dining -	Gray/White Non-Fibrous	<1% Cellulose	20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
CMU Block Filler	Homogeneous		955 227	
Wall Separating Kitchen and Dining -	Gray/White Non-Fibrous		10% Quartz 20% Ca Carbonate	None Detected
				N 5
By Staff Restroom - 12" x 12" Off-white with Brown Specks	Brown/White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
	Tile Grout and Mortar Boy's Restroom - Brown Ceramic Wall Tile Grout and Mortar Girl's Restroom - Ceramic Floor Tile Grout and Mortar Girl's Restroom - Ceramic Floor Tile Grout and Mortar Girl's Restroom - Ceramic Floor Tile Grout and Mortar Girl's Restroom - Ceramic Floor Tile Grout and Mortar Girl's Restroom - Ceramic Floor Tile Grout and Mortar Girl's Restroom - Ceramic Floor Tile Grout and Mortar Girl's Restroom - Ceramic Floor Tile Grout and Mortar Chemical Storage - CMU Block Filler Office - CMU Block Filler Wall Separating Kitchen and Dining - CMU Block Filler Wall Separating Kitchen and Dining - CMU Block Filler By Staff Restroom - 12" x 12" Off-white	Boy's Restroom - Brown Ceramic Wall Tile Grout and Mortar Girl's Restroom - Ceramic Floor Tile Grout and Mortar Girl's Restroom - Ceramic Floor Tile Grout and Mortar Girl's Restroom - Ceramic Floor Tile Grout and Mortar Girl's Restroom - Ceramic Floor Tile Grout and Mortar Girl's Restroom - Ceramic Floor Tile Grout and Mortar Girl's Restroom - Ceramic Floor Tile Grout and Mortar Girl's Restroom - Ceramic Floor Tile Grout and Mortar Girl's Restroom - Ceramic Floor Tile Grout and Mortar Girl's Restroom - Ceramic Floor Tile Grout and Mortar Girl's Restroom - Ceramic Floor Tile Grout and Mortar Girl's Restroom - Ceramic Floor Tile Grout and Mortar Chemical Storage - CMU Block Filler Office - CMU Block Filler Dry Storage - CMU Block Filler White/Various/Beig e Non-Fibrous Homogeneous Wall Separating Kitchen and Dining - CMU Block Filler Wall Separating Kitchen and Dining - CMU Block Filler Wall Separating Kitchen and Dining - CMU Block Filler Wall Separating Kitchen and Dining - CMU Block Filler Wall Separating Kitchen and Dining - CMU Block Filler By Staff Restroom - 12" x 12" Off-white with Brown Specks Gray/White Non-Fibrous Homogeneous Brown/White Non-Fibrous Homogeneous Brown/White Non-Fibrous Homogeneous	Tile Grout and Mortar Boy's Restroom - Brown Ceramic Wall Tile Grout and Mortar Girl's Restroom - Ceramic Floor Tile Grout and Mortar Gray White/Various/Beig e Non-Fibrous Homogeneous Wall Separating Kitchen and Dining - CMU Block Filler Wall Separating Kitchen and Dining - CMU Block Filler Wall Separating Kitchen and Dining - CMU Block Filler By Staff Restroom - 12" x 12" Off-white Won-Fibrous Homogeneous Homog	Tile Grout and Mortar



EMSL Order: 291909105 **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

			Non-Asbesto	<u>s</u>	Asbestos
Sample	Description	Appearance	% 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	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	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		l I		Positive Stop (Not Analyzed)
3-92	Cafeteria South - Interior Window	Gray/White Fibrous	2% Wollastonite	40% Ca Carbonate 10% Mica	2% Chrysotile
3-93	Glazing Cafeteria Southeast - Interior Window	Homogeneous		46% Non-fibrous (Other)	Positive Stop (Not Analyzed)
291909105-0092 3-94 291909105-0093	Glazing Cafeteria Northwest - Interior Window				Positive Stop (Not Analyzed)
3-95 291909105-0094	Glazing Serving Area North - White with Gray Interior Window Glazing	Gray/White Fibrous Homogeneous	2% Wollastonite	40% Ca Carbonate 56% Non-fibrous (Other)	2% Chrysotile



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			Non-A	Asbestos	
Sample	Description	Appearance	% 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			1,31 + 17	

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

2500 Gateway Centre Bouleva



Client:

Terracon Consultants, Inc.

291909105

Test: PLM

#Samples:

97

Order.

Disposition: Discard after 10/4/2019

Project:

70197439 Erwin Elementary School Demolition Asbestos Survey, Building

2/0 afataria 201 C 40th Ch

27560

1-465-3900

EMSL ANAL

J-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: Fax 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: Commercial/Taxable 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 General 3 Hour PCM - Air Check if samples are TEM - Air 4-4.5hr TAT (AHERA only) TEM- Dust from NY NIOSH 7400 AHERA 40 CFR, Part Microvac - ASTM D 5755 w/ OSHA 8hr. TWA 763 NIOSH 7402 Wipe - ASTM D6480 PLM - Bulk (reporting limit) EPA Level II Carpet Sonication (EPA 600/J-93/167) PLM EPA 600/R-93/116 (<1%) ISO 10312 Soil/Rock/Vermiculite PLM EPA NOB (<1%) TEM - Bulk PLM EPA 600/R-93/116 with milling prep (<1%) Point Count TEM EPA NOB PLM EPA 600/R-93/116 with milling prep (<0.25%) 400 (<0.25%) 1000 (<0.1%) NYS NOB 198.4 (non-friable-NY) TEM EPA 600/R-93/116 with milling prep (<0.1%) Point Count w/Gravimetric Chatfield SOP TEM Qualitative via Filtration Prep 400 (<0.25%) 1000 (<0.1%) TEM Mass Analysis-EPA 600 sec. 2.5 TEM Qualitative via Drop Mount Prep Cincinnati Method EPA 600/R-04/004 - PLM/TEM NYS 198.1 (friable in NY) TEM - Water: EPA 100.2 (BC only) NYS 198.6 NOB (non-friable-NY) Fibers >10µm Waste Drinking Other: NYS 198.8 SOF-V All Fiber Sizes Waste Drinking NIOSH 9002 (<1%) 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: Volume/Area((Air) Date/Time Sample # Sample Description HA # (Bulk Sampled See attached COC 3-1-33-39+ 3-40-3-97 Total # of Samples: 96 Client Sample # (s): Relinquished (Client): 10 Time: 1400 Date: DIO Received (Lab): Date: Time: Comments/Special Instructions: 1957 2832 5345

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				3.2211	919.8			Phone #:		d Road Suite 107	2401 Brentwoo
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	Other	5 Days	4 Days	Days	Days :			TAT:		is: PLM	
	-	44-4-	O.1 O.	- n				ry School Demolition As 70197439	Erwin E	Name: Number:	
			ding 3 / Ca				Building	0187439		Number.	Project
		, Erwin, NC	oth Street	301 S. 1		ress:	Add			assification:	Building Cl
Notes				iption	Action to the second			ocation	+	Sample #	HA 1
irst Positive					White Cau			East Roof	+	3-1	1
4					White Cau			East Roof	+	3-2	1
<u> </u>			and the same		White Cau			ast Roof	+	3-3	2
First Positive					Caulk at	-		ast Roof	+	3-4	2
<u>+</u>			100		Caulk at			East Roof	-	3-5	2
4					Caulk at			East	-	3-6	3
First Positive					k Shingle			East	\leftarrow	3-7 3-8	3
<u> </u>					k Shingle			West	-	3-9	3
				_	k Shingle	Blac		West Penetration	F	3-10	4
irst Positive				of Masti				West Penetration	-	3-10	4
<u>+</u>				of Masti				West Penetration		3-11	4
irst Positive			-	of Masti				oof at Brick Wall	-	3-13	5
				of Caul	- A	-		oof at Brick Wall	-	3-14	5
<u> </u>				of Caul				pof at Brick Wall	-		5
J. Bookhire		-6		of Cauli		464-44		Vest Roof		3-15 3-16	6
First Positive			-		A THE SHAPE SHAPE	White Mast		Vest Roof	1	3-16	6
+						White Mast		Vest Roof	-		6
↓ 		ofing			12/15/10/10	White Mast		Vest Roof	-	3-18	7
irst Positive					r Paint an			Vest Roof	-	3-19	7
<u>+</u>					Paint an			Vest Roof	-	3-20	7
Ψ					r Paint an			Cafetena	-	3-21	8
irst Positive						2' x 2' Wh			-	3-22	8
<u> </u>	_					2'x 2' Whi		Cafeteria Cafeteria	\leftarrow	3-23	8
4		Pits			and the latest and th	2' x 2' Whi			-	3-24	9
irst Positive					ack Cove			Cafeteria	-	3-25	9
<u>+</u>					ck Cove			Cafeteria	-	3-26	9
<u> </u>			A CONTRACTOR OF THE PARTY OF TH	Total Commence	ck Cove			y Storage Cafeteria	-	3-27	10
irst Positive					ack Cove				_	3-28	10
<u>+</u>					ck Cove	100		Cafeteria	-	3-29	10
1			Mastic		ack Cove	6* B		Cafeteria	-	3-30	11
				ster				s Restroom		3-31	
				ster	The second second			Lounge	-	3-32	11
				ster				Lounge 's Restroom	-	3-33	11
				ster				's Restroom	-	3-34	11
lest Posts				ster				rving Area		3-35	12
irst Positive					wn Cove			Cafeteria Cafeteria	_	3-36	12
+					wn Cove			Cafeteria	-	3-37	12
Jest Docition					wn Cove			Lounge	-	3-38	13
irst Positive			and Mas					Lounge	-	3-40	13
<u></u>	-		and Mas		various del TATRA			Lounge	 	3-41 3-42	13
			and Mas		ALUMINOS MAN			trical Room			14
			•			Textured (drical Room		3-43 3-44	14
						Textured (rage Room	1	3-44	14
						Textured (rage Room	-	3-45	15
						Textured (rage Room		3-47	15
irst Positive	Textured Coating on CMU and Brick Walls Checkered 12" x 12" Belge with Brown Specks/Green Floor Tile and Mastic		rage Room		3-48	15					
4		_				2* x 12* Beige		rage Room		3-49	16
4						2" x 12" Beige		rage Room		3-50	16
irst Positive		-		-		astic on Foll-b		trical Room		3-51	16
₩						astic on Foll-b		trical Room		3-52	16
<u> </u>						astic on Foll-b	CONTRACTOR OF	trical Room		3-53	16
irst Positive	yıl	i ipe maulati			Red Brittle		Diam. N	trical Room	 	3-54	17
<u>+</u>					Red Brittle			trical Room		3-55	17

Terracon Consultants, Inc.

70197439 Erwin Elementary School Demolition Asbestos
9/4/2019 10:10
TAT: 1 Week
Due: 09/11 10:10 AM

Order ID: 291909105

OrderID: 291909105

Te	rracon	Contact:		Alicia Coley					
2401 Brentwo	od Road Suite 107	Phone #:		919.873.2211					
Raleigh	, NC 27604	Email Results to:	ancolev@ter	racon.com; trey turns	er@terracon.com				
	ysis: PLM	TAT:		Days 3 Days	4 Days 5 Days	Other			
	ct Name:	Erwin Elementary School Demolition As	bestos Survey						
Projec	t Number:	70197439	Building Number:	Build	ding 3 / Cafeterla				
			Address:	301 S. 10	Oth Street, Erwin, NC				
Building C	lassification:								
НА	Sample #	Location		Description	***		Notes		
17	3-56	Electrical Room		Red Brittle Fire Car	ulk		1		
18	3-57	Electrical Room		Dark Red Fire Cau	ılk	F	irst Positive St		
18	3-58	Electrical Room		Dark Red Fire Cau	ulk		4		
18	3-59	Electrical Room		Dark Red Fire Cau	ılk		4		
19	3-60	Cafeteria		Beige FRP Adhesi	ve	F	irst Positive St		
19	· 3-61	Cafeteria		Beige FRP Adhesi	ve		4		
19	3-62	Cafeteria		Beige FRP Adhesi	ve		4		
20	3-63	Chemical Storage	2' x 4' White	Ceiling Tile with Do	ots and Fissures	F	irst Positive St		
20	3-64	Chemical Storage	2' x 4' White	Celling Tile with Do	ots and Fissures		4		
20	3-65	Chemical Storage	2' x 4' White	Ceiling Tile with Do	ots and Fissures		1		
21	3-66	Kitchen	Ta	Glue behind Plastic	c Panel	F	irst Positive St		
21	3-67	Kitchen	Tan Glue behind Plastic Panel			4			
21	3-68	Kitchen			Tan Glue behind Plastic Panel			4	
22	3-69	Boy's Restroom	Green Ceramic Wall Tile Grout and Mortar		Green Ceramic Wall Tile Grout and Mortar		F	irst Positive St	
22	3-70	Boy's Restroom	Green Ceramic Wall Tile Grout and Mortar			4			
22	3-71	Boy's Restroom	Green Ceramic Wall Tile Grout and Mortar			4			
23	3-72	Boy's Restroom	Brown Ceramic Wall Tile Grout and Mortar				F	irst Positive Ste	
23	3-73	Boy's Restroom			Brown Ceramic Wall Tile Grout and Mortar			4	
23	3-74	Boy's Restroom					Brown Ceramic Wall Tile Grout and Mortar		+
24	3-75	Giri's Restroom					irst Positive St		
24	3-76	Giri's Restroom	Ceran	ic Floor Tile Grout a	and Mortar		4		
24	3-77	Girl's Restroom	Ceran	nic Floor Tile Grout a	and Mortar		4		
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	F	irst Positive St		
26	3-84	Back Entry			Floor Tile and Mastic		4		
26	3-85	Dry Storage	the safe of the Company of the Indiana of the India	A SAME PARAMETER STORY			1		
27	3-86	South	12" x 12" Off-white with Brown Specks Floor Tile and Mastic Exterior Window Caulk at Brick				irst Positive St		
27	3-87	Northwest	Exterior Window Caulk at Brick				4		
27	3-88	Northeast	Exterior Window Caulk at Brick			4			
28	3-89	Northeast	Exterior Window Glazing		F	irst Positive St			
28	3-90	Southeast	Exterior Window Glazing			1			
28	3-91	East	Exterior Window Glazing			4			
29	3-92	Cafeteria South	Interior Window Glazing		F	irst Positive St			
29	3-93	Cafeteria Southeast	Interior Window Glazing			+			
29	3-94	Cafeteria Northwest		Interior Window Glaz			+		
30	3-95	Serving Area North		ith Gray Interior Wind		F	irst Positive St		
30	3-96	Serving Area North		th Gray Interior Wind			4		
30	3-97	Serving Area North		th Gray Interior Wind			4		

Terracon Consultants, Inc.

70197439 Erwin Elementary School Demolition Asbestos

9/4/2019 10:10 PLM

TAT: 1 Week Bulk No Samples: 97 Due: 09/11 10:10 AM Fax: 919-873-9555

Order ID: 291909105



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:

Phone:

Attention: Alicia Coley

Terracon Consultants, Inc.

2401 Brentwood Road

Suite 107

Erwin, NC

Raleigh, NC 27604

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,

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

			Non-Asbe	stos	<u>Asbestos</u>	
Sample	Description	Appearance	% 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	



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

			Non-Asbe		<u>Asbestos</u>
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
4-10-Mastic	Library - 12" x 12" White with Blue and Green Specks Floor	Gray/Tan Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
291909093-0010A	Tile and Mastic	nomogeneous			
4-11-Floor Tile	Restroom Lobby - 12" x 12" White with Blue	White Non-Fibrous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
291909093-0011	and Green Specks Floor Tile and Mastic	Homogeneous			
4-11-Mastic	Restroom Lobby - 12" x 12" White with Blue	Gray/Tan Fibrous	3% Cellulose	97% Non-fibrous (Other)	None Detected
91909093-0011A	and Green Specks Floor Tile and Mastic	Homogeneous			
4-12-Floor Tile	Office - 12" x 12"	White		40% Ca Carbonate	None Detected
291909093-0012	White with Blue and Green Specks Floor Tile and Mastic	Non-Fibrous Homogeneous		60% Non-fibrous (Other)	
4-12-Mastic	Office - 12" x 12"	Gray/Tan/Yellow Fibrous	2% Cellulose	98% Non-fibrous (Other)	None Detected
291909093-0012A	White with Blue and Green Specks Floor Tile and Mastic	Homogeneous			
4-13-Grout	Boy's Restroom -	Gray Non Fibrous		20% Quartz	None Detected
291909093-0013	Ceramic Floor Tile Grout and Mortar	Non-Fibrous Homogeneous		40% Ca Carbonate 40% Non-fibrous (Other)	
4-13-Mortar	Boy's Restroom - Ceramic Floor Tile	Gray Non-Fibrous		10% Quartz 40% Ca Carbonate	None Detected
291909093-0013A	Grout and Mortar	Homogeneous		50% Non-fibrous (Other)	
4-14-Grout	Boy's Restroom - Ceramic Floor Tile	Gray Non-Fibrous		20% Quartz 40% Ca Carbonate	None Detected
291909093-0014	Grout and Mortar	Homogeneous		40% Non-fibrous (Other)	
4-14-Mortar	Boy's Restroom - Ceramic Floor Tile	Gray Non-Fibrous		20% Quartz 40% Ca Carbonate	None Detected
291909093-0014A	Grout and Mortar	Homogeneous		40% Non-fibrous (Other)	
4-15-Grout	Girl's Restroom - Ceramic Floor Tile	Gray Non-Fibrous		20% Quartz 40% Ca Carbonate	None Detected
291909093-0015	Grout and Mortar	Homogeneous		40% Non-fibrous (Other)	
4-15-Mortar	Girl's Restroom - Ceramic Floor Tile	Gray Non-Fibrous		10% Quartz 40% Ca Carbonate	None Detected
291909093-0015A	Grout and Mortar	Homogeneous		50% Non-fibrous (Other)	
4-16-Skim Coat	Library - Textured Ceiling Plaster	White Non-Fibrous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
291909093-0016	Coming Master	Homogeneous		30 /6 (40)1-libious (Other)	
4-16-Base Coat	Library - Textured Ceiling Plaster	Gray Non-Fibrous		10% Quartz 40% Ca Carbonate	None Detected
291909093-0016A	Centring Plaster	Homogeneous		50% Non-fibrous (Other)	
4-17-Skim Coat	Library - Textured Ceiling Plaster	White Non-Fibrous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
291909093-0017		Homogeneous		or it it is inside (out of)	
4-17-Base Coat	Library - Textured Ceiling Plaster	Gray Non-Fibrous		10% Quartz 40% Ca Carbonate	None Detected
291909093-0017A	Coming Plaster	Homogeneous		50% Non-fibrous (Other)	
4-18-Skim Coat	Restroom Lobby - Textured Ceiling	White Non-Fibrous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
291909093-0018	Plaster	Homogeneous		30 /6 (40)Pilbious (Other)	
4-18-Base Coat	Restroom Lobby - Textured Ceiling	Gray Non-Fibrous		10% Quartz 40% Ca Carbonate	None Detected
291909093-0018A	Plaster	Homogeneous		50% Non-fibrous (Other)	



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

	—	• 0000000000000000000000000000000000000	Non-Asbe		<u>Asbestos</u>
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
-19-Skim Coat	Computer Room - Textured Ceiling	White Non-Fibrous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
91909093-0019	Plaster	Homogeneous			
-19-Base Coat	Computer Room - Textured Ceiling	Gray Non-Fibrous		15% Quartz 40% Ca Carbonate	None Detected
91909093-0019A	Plaster	Homogeneous		45% Non-fibrous (Other)	
-20-Skim Coat	Library at Computer Room - Textured	White Non-Fibrous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
91909093-0020	Ceiling Plaster	Homogeneous			
-20-Base Coat	Library at Computer Room - Textured	Gray Non-Fibrous		15% Quartz 40% Ca Carbonate	None Detected
STATE OF THE PARTY	Ceiling Plaster	Homogeneous		45% Non-fibrous (Other)	
-21-Skim Coat	Work Room - Smooth Plaster	White Non-Fibrous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
91909093-0021		Homogeneous			
-21-Base Coat	Work Room - Smooth Plaster	Gray Non-Fibrous Homogeneous		10% Quartz 40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
-22-Skim Coat	Computer Boom	White			None Betarted
91909093-0022	Computer Room - Smooth Plaster	Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
-22-Base Coat	Computer Room -	Gray		10% Quartz	None Detected
91909093-0022A	Smooth Plaster	Non-Fibrous Homogeneous		40% Ca Carbonate 50% Non-fibrous (Other)	None Detected
-23-Skim Coat	Restroom Lobby -	White			None Detected
11909093-0023	Smooth Plaster	Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
-23-Base Coat	Restroom Lobby -	Gray		20% Quartz	None Detected
-23-base Coat	Smooth Plaster	Non-Fibrous		40% Ca Carbonate	None Detected
91909093-0023A		Homogeneous		40% Non-fibrous (Other)	
-24-Skim Coat	Library - Smooth Plaster	White Non-Fibrous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
91909093-0024	S. 9345.460	Homogeneous		* Control (Ba) Hothers y American Resident Bedden Archive	
-24-Base Coat	Library - Smooth Plaster	Gray Non-Fibrous		15% Quartz 40% Ca Carbonate	None Detected
91909093-0024A		Homogeneous		45% Non-fibrous (Other)	
-25-Skim Coat	Office - Smooth Plaster	White Non-Fibrous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
91909093-0025	- Albania - Alba	Homogeneous		The state of the s	
-25-Base Coat	Office - Smooth Plaster	Gray Non-Fibrous	<1% Cellulose	15% Quartz 40% Ca Carbonate	None Detected
	Office Disability	Homogeneous		45% Non-fibrous (Other)	50, 51,
-26 01909093-0026	Office - Black Sink Mastic	Black Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
-27	Office Plant Cint	Homogeneous			Desilies Otes (No. 1 to 1 to 1
1909093-0027	Office - Black Sink Mastic				Positive Stop (Not Analyzed)
-28	Work Room - Black				Positive Step (Not Applicate)
91909093-0028	Sink Mastic				Positive Stop (Not Analyzed)
-29-Floor Tile	Library - 9" x 9" Brown	Tan		40% Ca Carbonate	5% Chrysotile
91909093-0029	Floor Tile and Mastic	Fibrous Homogeneous		55% Non-fibrous (Other)	5% Chrysotile
-29-Mastic	Library - 9" x 9" Brown	Black		92% Non-fibrous (Other)	8% Chrysotile
23 masuc	Floor Tile and Mastic	Fibrous		32 /8 NOITHDIOUS (Other)	5 % Onlysothe



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:

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

Commis	December:	*	Non-Asbes	THE RESERVE OF THE PARTY OF	Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
1-30	Library - 9" x 9" Brown Floor Tile and Mastic				Positive Stop (Not Analyzed)
91909093-0030					120
-31	Library - 9" x 9" Brown Floor Tile and Mastic				Positive Stop (Not Analyzed)
91909093-0031					
I-32-Roofing 1	South Canopy Roof - Built-up Roofing with	Black Fibrous	2% Cellulose	98% Non-fibrous (Other)	None Detected
91909093-0032	Silver Paint on Canopy	Homogeneous			
-32-Roofing 2	South Canopy Roof - Built-up Roofing with	Black Fibrous	10% Cellulose	90% Non-fibrous (Other)	None Detected
91909093-0032A	Silver Paint on Canopy	Homogeneous			
1-32-Roofing 3	South Canopy Roof - Built-up Roofing with	Black Non-Fibrous		100% Non-fibrous (Other)	None Detected
91909093-0032B	Silver Paint on Canopy	Homogeneous			
1-32-Paint	South Canopy Roof - Built-up Roofing with	Silver Fibrous	2% Cellulose	98% Non-fibrous (Other)	None Detected
291909093-0032C	Silver Paint on Canopy	Homogeneous			
I-33-Roofing 1	South Canopy Roof - Built-up Roofing with	Black Fibrous	2% Cellulose	98% Non-fibrous (Other)	None Detected
91909093-0033	Silver Paint on Canopy	Homogeneous			
I-33-Roofing 2	South Canopy Roof -	Black	10% Cellulose	90% Non-fibrous (Other)	None Detected
91909093-0033A	Built-up Roofing with Silver Paint on Canopy	Fibrous Homogeneous			
1-33-Roofing 3	South Canopy Roof - Built-up Roofing with	Black Non-Fibrous		100% Non-fibrous (Other)	None Detected
291909093-0033B	Silver Paint on Canopy	Homogeneous			
-33-Paint	South Canopy Roof -	Silver	2% Cellulose	98% Non-fibrous (Other)	None Detected
91909093-0033C	Built-up Roofing with Silver Paint on Canopy	Fibrous Homogeneous			
-34-Roofing 1	South Canopy Roof -	Black	65% Cellulose	35% Non-fibrous (Other)	None Detected
91909093-0034	Built-up Roofing with Silver Paint on Canopy	Fibrous Homogeneous			
-34-Roofing 2	South Canopy Roof -	Black	35% Cellulose	65% Non-fibrous (Other)	None Detected
91909093-0034A	Built-up Roofing with Silver Paint on Canopy	Fibrous Homogeneous			
-34-Roofing 3	South Canopy Roof - Built-up Roofing with	Brown/Black Non-Fibrous		25% Ca Carbonate	None Detected
91909093-0034B	Silver Paint on Canopy	Homogeneous		75% Non-fibrous (Other)	
-34-Paint	South Canopy Roof - Built-up Roofing with	Black/Silver Fibrous	5% Cellulose	30% Ca Carbonate	None Detected
91909093-0034C	Silver Paint on Canopy	Homogeneous		65% Non-fibrous (Other)	
-35	South Canopy Roof -	Black	5% Cellulose	95% Non-fibrous (Other)	None Detected
91909093-0035	Black Roof Mastic on	Fibrous			



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-Asbes % Fibrous	% Non-Fibrous	Asbestos % Type	
1-36	South Canopy Roof -	Black	5% Cellulose	95% Non-fibrous (Other)	None Detected	
-30	Black Roof Mastic on	Fibrous	576 Cellulose	35 % Non-librous (Other)	None Detected	
91909093-0036	Canopy	Homogeneous				
1-37	South Canopy Roof -	Black	8% Cellulose	92% Non-fibrous (Other)	None Detected	
	Black Roof Mastic on	Fibrous				
91909093-0037	Canopy	Homogeneous				
1-38-Grout	Girl's Restroom -	Gray/White		60% Ca Carbonate	None Detected	
291909093-0038	Ceramic Wall Tile Grout and Mortar	Non-Fibrous Homogeneous		40% Non-fibrous (Other)		
	The state of the s			10% 0	None Detected	
4-38-Mortar	Girl's Restroom - Ceramic Wall Tile	Gray Non-Fibrous		10% Quartz 40% Ca Carbonate	None Detected	
291909093-0038A	Grout and Mortar	Homogeneous		50% Non-fibrous (Other)		
1-39-Grout	Girl's Restroom -	Gray/White		60% Ca Carbonate	None Detected	
r do Grout	Ceramic Wall Tile	Non-Fibrous		40% Non-fibrous (Other)	None Detected	
291909093-0039	Grout and Mortar	Homogeneous				
1-39-Mortar	Girl's Restroom -	Gray		10% Quartz	None Detected	
	Ceramic Wall Tile	Non-Fibrous		40% Ca Carbonate		
291909093-0039A	Grout and Mortar	Homogeneous		50% Non-fibrous (Other)		
1-40-Grout	Girl's Restroom -	Gray/White		10% Quartz	None Detected	
	Ceramic Wall Tile	Non-Fibrous		40% Ca Carbonate		
291909093-0040	Grout and Mortar	Homogeneous		50% Non-fibrous (Other)		
4-40-Mortar	Girl's Restroom -	Gray		15% Quartz	None Detected	
204000002 00404	Ceramic Wall Tile	Non-Fibrous		40% Ca Carbonate		
291909093-0040A	Grout and Mortar	Homogeneous		45% Non-fibrous (Other)		
4-41	Library - Gray HVAC	Gray		30% Ca Carbonate	None Detected	
91909093-0041	Duct Putty	Non-Fibrous		70% Non-fibrous (Other)		
	17 0 1740	Homogeneous				
1-42	Library - Gray HVAC Duct Putty	Gray Non-Fibrous		30% Ca Carbonate	None Detected	
291909093-0042	Duct Fully	Homogeneous		70% Non-fibrous (Other)		
1-43	Library - Gray HVAC	Gray		20% Ca Carbonate	None Detected	
1-45	Duct Putty	Non-Fibrous		80% Non-fibrous (Other)	None Detected	
91909093-0043	2001. 011)	Homogeneous		oo / Non-norous (Other)		
4-44	Computer Room at	Brown/Gray	20% Cellulose	40% Gypsum	None Detected	
5. 10.5	Door - Drywall	Fibrous		40% Non-fibrous (Other)	Trono Bototoa	
291909093-0044		Homogeneous				
1-45	Computer Room at	Brown/Gray	20% Cellulose	40% Gypsum	None Detected	
	Door - Drywall	Fibrous		40% Non-fibrous (Other)		
91909093-0045		Homogeneous				
4-46	Library at Computer	Brown/Gray	20% Cellulose	40% Gypsum	None Detected	
	Room - Drywall	Fibrous		40% Non-fibrous (Other)		
91909093-0046	A SEC. SPA CENTAN A	Homogeneous				
1-47	Northeast Window -	Gray/White	<1% Cellulose	15% Ca Carbonate	None Detected	
291909093-0047	Off-white Exterior	Non-Fibrous		85% Non-fibrous (Other)		
	Window Glazing	Homogeneous				
4-48	North Window at Door - Off-white Exterior	Gray/White Non-Fibrous	<1% Cellulose	15% Ca Carbonate 85% Non-fibrous (Other)	None Detected	
291909093-0048	Window Glazing	Homogeneous		65% Non-librous (Other)		
1-49	South Window at	Gray/White	<1% Cellulose	30% Ca Carbonate	None Detected	
73	Door - Off-white	Non-Fibrous	176 Cellulose	70% Non-fibrous (Other)	None Detected	
91909093-0049	Exterior Window	Homogeneous		1078 Horrisona (Outer)		
	Glazing					
1-50	Northeast Window -	Gray/White		20% Ca Carbonate	None Detected	
eroometi.C	White Exterior Caulk	Non-Fibrous		80% Non-fibrous (Other)	Detected	
91909093-0050	at Brick	Homogeneous				
1-51	North Window at Door	Gray/White		20% Ca Carbonate	None Detected	
	- White Exterior Caulk	Non-Fibrous		80% Non-fibrous (Other)		
291909093-0051	at Brick	Homogeneous				



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

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

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 of 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

erID: 291909093						EMSL An	100	
Client: Terracon Consultants, Inc.	Test:	PLM	#Samples:			2500 Gat	eway C	entre Boule
Order: 291909093 Disposition: Discard after 10/4/2019	Project:	70197439 Erwin Element Demolition Asbestos Surv	ary School				919-46	7560 65-3900 65-3950
Torreson Consul	tonto l					1 200	313-40	10-0000
Company Name : Terracon Consul		nc,	EMSL Custo					
Street: 2401 Brentwood Road Suit			City: Raleig	-		State/Provin		
Zip/Postal Code: 27604	C	ountry: US	Telephone #	: 913-873-	2211	Fax #: 919-	873-95	55
Report To (Name): Alicia Coley		···	Please Prov	de Results	: Fa	x 🗹 Email		
Email Address: ancoley & trey.turn	ner@te	racon.com	Purchase O	rder:				
Project Name/Number: 70197439			EMSL Proje					
U.S. State Samples Taken: NC	Bill to:	Same Different -	CT Samples	: Comm	ercial/Tax	cable Resi	dential/	Tax Exemp
EMSL-	Thin	d Party Billing requires wri	ten authorization	n from third pa	ns in Commi	ents		
	Ti	urnaround Time (TAT)	Options* - Pl	lease Check				
3 Hour 6 Hour	☐ 24 F		☐ 72 Ho		6 Hour	■ 1 Week		2 Week
*For TEM Air 3 hr through 6 hr, please call a authorization form for this service	need to s . Analys	ichedule."I here is a premiui is completed in accordance	n charge for 3 Ho with EMSL's Ten	ur TEM AHER ns and Conditi	A or EPA Lo ons located	in the Analytical	will be ast Price Guid	ied to sign an de.
PCM - Air Check if samples are	1	_ Air		TEM- Dus				-
from NY			Anera only	_	_			
NIOSH 7400		HERA 40 CFR, Part				M D 5755		
w/ OSHA 8hr. TWA		63 NIOSH 7402			ASTM D			
PLM - Bulk (reporting limit)		PA Level II				on (EPA 600/J-	93/167)	
PLM EPA 600/R-93/116 (<1%)	-	SO 10312		Soil/Rock				
PLM EPA NOB (<1%)		- Bulk				-93/116 with m	222 10	
Point Count 400 (<0.25%) 1000 (<0.1%)		EM EPA NOB	bi- NM			-93/116 with m		
Point Count w/Gravimetric		YS NOB 198.4 (non-frie hatfield SOP	able-NY)			-93/116 with m via Filtration P		p (<0.1%)
400 (<0.25%) 1000 (<0.1%)	100000	EM Mass Analysis-EPA	600 sec. 2.5	The state of the s		via Drop Mour		
NYS 198.1 (friable in NY)		- Water: EPA 100.2	000 000, 2.0			d EPA 600/R-		PLM/TEM
		THE PROPERTY OF THE PROPERTY O		(BC only)				
NYS 198.6 NOB (non-friable-NY)	Fiber	s >10µm	Drinking	Other:				
NYS 198.8 SOF-V	All Fi	ber Sizes Waste [Drinking	L_1				
☐ NIOSH 9002 (<1%)				13	14-			
Check For Positive Stop - Clearl	y Identi	fy Homogenous Grou	p Filter	Pore Size (Air Samp	les): 0.8	m 🗀	0.45µm
Samplers Name: Alicia Cole	y / Tı	rey Turner	Samplers	Signature:	CHAR II		Vias	
Sample #		Sample Descripti	on		Volum	e/Area (Air) # (Bulk)	Da Sa	te/Time) ampled
4-1 -> 4-55 See at	ttache	ed COC					8/20	19
		,fr		2.7			1	1

Total # of Samples: 96-55 Client Sample # (s): Time: 1400 Relinquished (Client): Received (Lab): Comments/Special Instructions: FC 795728325345 Page 1 of ____ pages

OrderID: 291909093 _rwin Elementary School Demolition Asbestos

9/4/2019 10:10 PLM

TAT: 1 Week Bulk No Samples: 55 Due: 09/11 10:10 AM Fax: 919-873-9555

Terracon Contact: Allcia Coley 2401 Brentwood Road Suite 107 Phone #: 919.873.2211 Raleigh, NC 27604 Email Results to: ancoley@terracon.com; trey tumer@terracon com Analysis: PLM TAT: (5 Days) Other 1 Day 2 Days 3 Days · 4 Days 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 Roof Penetration First Positive Stop White Roof Caulk 1 Roof Fan 4-2 White Roof Caulk 4 1 Chimney 4-3 4 White Roof Caulk 2 Roof First Positive Stop 4-4 Black Tar Under Roof Membrane and Foam Insulation 2 Roof 4-5 Black Tar Under Roof Membrane and Foam Insulation 4 2 Black Tar Under Roof Membrane and Foam Insulation 4-6 4 3 Chimney First Positive Stop 4-7 Black Mastic on Brick at Chimney 3 4-8 Black Mastic on Brick at Chimney 4 3 Chimney 4-9 Black Mastic on Brick at Chimney 4 Library First Positive Stop 4-10 12" x 12" White with Blue and Green Specks Floor Tile and Mastic 4 Restroom Lobby 4-11 12" x 12" White with Blue and Green Specks Floor Tile and Mastic 4 Office 4-12 12" x 12" White with Blue and Green Specks Floor Tile and Mastic 5 Boy's Restroom 4-13 Ceramic Floor Tile Grout and Mortar First Positive Stop 5 Boy's Restroom 4-14 Ceramic Floor Tile Grout and Mortan 5 Girl's Restroom 4-15 Ceramic Floor Tile Grout and Mortar 6 Library 4-16 **Textured Ceiling Plaster** 6 Library 4-17 **Textured Ceiling Plaster** 6 Restroom Lobby 4-18 Textured Ceiling Plaster 6 Computer Room 4-19 Textured Ceiling Plaster 6 Library at Computer Room 4-20 **Textured Ceiling Plaster** 7 Work Room 4-21 Smooth Plaster 7 Computer Room 4-22 Smooth Plaster 7 Restroom Lobby 4-23 Smooth Plaster 7 Library 4-24 Smooth Plaster 7 Office 4-25 Smooth Plaster 8 Office 4-26 First Positive Stop Black Sink Mastic 8 Office 4-27 Black Sink Mastic 8 Work Room 4 4-28 Black Sink Mastic 9 Library 4-29 First Positive Stop 9" x 9" Brown Floor Tile and Mastic 9 Library 4-30 9" x 9" Brown Floor Tile and Mastic 4 Library 9 4-31 9" x 9" Brown Floor Tile and Mastic 4 South Canopy Roof 10 First Positive Stop 4-32 Built-up Roofing with Silver Paint on Canopy 10 South Canopy Roof 4-33 Built-up Roofing with Silver Paint on Canopy 4 10 South Canopy Roof 1 4-34 Built-up Roofing with Sliver Paint on Canopy First Positive Stop 11 4-35 South Canopy Roof Black Roof Mastic on Canopy 11 South Canopy Roof 4-36 Black Roof Mastic on Canopy 11 South Canopy Roof 4-37 Black Roof Mastic on Canopy 12 Girl's Restroom First Positive Stop Ceramic Wall Tile Grout and Mortar 4-38 12 4-39 Girl's Restroom Ceramic Wall Tile Grout and Mortar 12 Girl's Restroom 4-40 Ceramic Wall Tile Grout and Mortan 13 First Positive Stop Library Gray HVAC Duct Putty 13 Library 4-42 Gray HVAC Duct Putty 13 Library Gray HVAC Duct Putty 4-43 14 Computer Room at Door First Positive Stop 4-44 Drywall 14 Computer Room at Door 4-45 Drywall 14 Library at Computer Room 4-46 Drywali 4 Northeast Window 15 4-47 Off-white Exterior Window Glazing First Positive Stop 15 North Window at Door 4 4-48 Off-white Exterior Window Glazing 15 South Window at Door 4-49 Off-white Exterior Window Glazing 4 First Positive Stop 16 Northeast Window 4-50 White Exterior Caulk at Brick 16 North Window at Door 4-51 White Exterior Caulk at Brick 4 16 South Window at Door 4-52 White Exterior Caulk at Brick 17 **Boiler Room** First Positive Stop 4-53 Concrete at Flue 17 4-54 Boller Room Concrete at Flue Boiler Room 17 4-55 1 Concrete at Flue



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

C.::- 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

			<u>Asbestos</u>		
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
5-1 291909091-0001	Boiler Room - Air-O-Cell Pipe Insulation	Gray/White Fibrous	55% Cellulose	15% Non-fibrous (Other)	30% Chrysotile
5-2	Boiler Room - Air-O-Cell Pipe	Homogeneous			Positive Stop (Not Analyzed)
291909091-0002	Insulation				
5-3	Boiler Room - Air-O-Cell Pipe				Positive Stop (Not Analyzed)
291909091-0003	Insulation				
5-4-TSI	Boiler Room Elbow - Hard TSI Joint with	Gray Fibrous	60% Min. Wool	20% Ca Carbonate 20% Non-fibrous (Other)	None Detected
291909091-0004	Tan Canvas Wrap	Homogeneous			
5-4-Wrap	Boiler Room Elbow - Hard TSI Joint with	Tan/White Fibrous	70% Cellulose	30% Non-fibrous (Other)	None Detected
291909091-0004A	Tan Canvas Wrap	Homogeneous			
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	Boiler Room Elbow - Hard TSI Joint with	Tan/White Fibrous	70% Cellulose	30% Non-fibrous (Other)	None Detected
291909091-0005A	Tan Canvas Wrap	Homogeneous			
5-6-TSI	Boiler Room Tee - Hard TSI Joint with	Gray Fibrous	65% Min. Wool	20% Ca Carbonate 15% Non-fibrous (Other)	None Detected
291909091-0006	Tan Canvas Wrap	Homogeneous			
5-6-Wrap	Boiler Room Tee - Hard TSI Joint with	Brown Fibrous	75% Cellulose	25% Non-fibrous (Other)	None Detected
291909091-0006A	Tan Canvas Wrap	Homogeneous		and the second of the second	
5-7	Boiler Room Elbow - Hard TSI Joint	White Fibrous		40% Ca Carbonate 20% Non-fibrous (Other)	40% Chrysotile
291909091-0007	Associated with HA 1	Homogeneous		<u> </u>	
5-8 291909091-0008	Boiler Room Elbow - Hard TSI Joint Associated with HA 1				Positive Stop (Not Analyzed)
5-9	Boiler Room Elbow - Hard TSI Joint				Positive Stop (Not Analyzed)
291909091-0009	Associated with HA 1				
5-10	Boiler Room Elbow - White Mud TSI Joint	White Fibrous	10% Cellulose 60% Min. Wool	20% Ca Carbonate 10% Non-fibrous (Other)	None Detected
291909091-0010		Homogeneous		(-1.21)	
5-11	Boiler Room Elbow - White Mud TSI Joint	White Fibrous	10% Cellulose 60% Min. Wool	20% Ca Carbonate 10% Non-fibrous (Other)	None Detected
291909091-0011		Homogeneous			
5-12	Boiler Room End - White Mud TSI Joint	White Fibrous	15% Cellulose 60% Min. Wool	20% Ca Carbonate 5% Non-fibrous (Other)	None Detected
291909091-0012		Homogeneous			
5-13	Boiler Room - Boiler Rope Gasket	Brown Fibrous	10% Cellulose	20% Ca Carbonate 10% Non-fibrous (Other)	60% Chrysotile
291909091-0013		Homogeneous			



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	% Fibrous	Non-Asbestos	% Non-Fibrous	<u>Asbestos</u> % 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					The second secon	
5-16	At Boiler - Lightweight Concrete	Brown/Gray Non-Fibrous			10% Quartz 60% Ca Carbonate	None Detected
291909091-0016		Homogeneous	water and the second		30% Non-fibrous (Other)	
5-17	At Boiler - Lightweight Concrete	Brown/Gray Non-Fibrous			10% Quartz 60% Ca Carbonate	None Detected
291909091-0017		Homogeneous			30% Non-fibrous (Other)	
5-18	At Boiler - Lightweight Concrete	Brown/Gray Non-Fibrous			10% Quartz 55% Ca Carbonate	None Detected
291909091-0018		Homogeneous			35% Non-fibrous (Other)	
5-19	Boiler Room - Interior Window Glazing	Gray Fibrous			60% Ca Carbonate 38% Non-fibrous (Other)	2% Chrysotile
291909091-0019		Homogeneous				
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			70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
291909091-0022		Homogeneous				
5-22-Base Coat	Basement Restroom - Plaster	Gray Non-Fibrous	<1% Cell	ulose	20% Quartz 40% Ca Carbonate	None Detected
	D t. Kitch	Homogeneous			40% Non-fibrous (Other)	
5-23-Skim Coat	Door to Kitchen - Plaster	White Non-Fibrous			70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
	D	Homogeneous				
5-23-Base Coat	Door to Kitchen - Plaster	Gray Non-Fibrous			20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
Secretaria de Caracteria de Ca	Cofeterio Couthanet	Homogeneous				
5-24-Skim Coat	Cafeteria Southeast - Plaster	White Non-Fibrous Homogeneous			70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
5-24-Base Coat	Cafeteria Southeast -		/10/ C-II	uloso	20% Quartz	None Detected
91909091-0024A	Plaster	Gray Non-Fibrous Homogeneous	<1% Cell	uiose	40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
5-25-Skim Coat	Room 305 Closet -	White			70% Ca Carbonate	None Detected
91909091-0025	Plaster	Non-Fibrous Homogeneous			30% Non-fibrous (Other)	Motie Defected
5-25-Base Coat	Room 305 Closet -	Gray			20% Quartz	None Detected
91909091-0025A	Plaster	Non-Fibrous Homogeneous			40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
5-26-Texture	Room 305 - Plaster	Gray/White	<1% Woll	astonite	60% Ca Carbonate	None Detected
91909091-0026	1 doin 555 - 1 lastel	Non-Fibrous Homogeneous	41 /0 ¥VOII	astorinte	40% Non-fibrous (Other)	Holle Defected
5-26-Skim Coat	Room 305 - Plaster	White			60% Ca Carbonate	None Detected
91909091-0026A		Non-Fibrous Homogeneous			40% Non-fibrous (Other)	
5-26-Base Coat	Room 305 - Plaster	Gray/Tan	<1% Cell	ulose	20% Quartz	None Detected
91909091-0026B		Non-Fibrous Homogeneous			40% Ca Carbonate 40% Non-fibrous (Other)	



EMSL Order: 291909091 Customer ID: TITA51 Customer PO: 70197439

Project ID:

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Sample	Description	Annearance	Non-Asbest % Fibrous	os % Non-Fibrous	<u>Asbestos</u> % Type
5-27-Texture	Room 304 Closet -	Appearance Gray/White	<1% Wollastonite	60% Ca Carbonate	None Detected
91909091-0027	Plaster	Non-Fibrous Homogeneous	<1% Wollastonite	40% Non-fibrous (Other)	None Detected
5-27-Skim Coat	Room 304 Closet -	White		60% Ca Carbonate	None Detected
91909091-0027A	Plaster	Non-Fibrous Homogeneous		40% Non-fibrous (Other)	Tions Beliated
5-27-Base Coat	Room 304 Closet -	Gray/Tan	<1% Cellulose	20% Quartz	None Detected
291909091-0027B	Plaster	Non-Fibrous Homogeneous	, is condition	40% Ca Carbonate 40% Non-fibrous (Other)	110.10 20.00.00
5-28-Texture	Room 305 Closet - Plaster	Gray/White Non-Fibrous	<1% Wollastonite	60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
91909091-0028	Select speed and respectively	Homogeneous			
5-28-Skim Coat	Room 305 Closet - Plaster	White Non-Fibrous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
291909091-0028A		Homogeneous			
5-28-Base Coat	Room 305 Closet - Plaster	Gray/Tan Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
5-29-Floor Tile	Cafeteria - 9" x 9"				29/ Charatile
291909091-0029	Gray Floor Tile and Mastic	Gray Fibrous Homogeneous		40% Ca Carbonate 58% Non-fibrous (Other)	2% Chrysotile
5-29-Mastic	Cafeteria - 9" x 9"	Black	2% Cellulose	10% Ca Carbonate	5% Chrysotile
91909091-0029A	Gray Floor Tile and Mastic	Fibrous Homogeneous	2% Cellulose	83% Non-fibrous (Other)	5% Chrysotile
5-30	Cafeteria - 9" x 9" Gray Floor Tile and	Tiomogeneous			Positive Stop (Not Analyze
291909091-0030	Mastic				
5-31	Cafeteria - 9" x 9" Gray Floor Tile and			-	Positive Stop (Not Analyze
291909091-0031	Mastic				
5-32	Basement Office at Restroom - Red	Red Fibrous	8% Glass	25% Ca Carbonate 67% Non-fibrous (Other)	None Detected
291909091-0032	Firestop	Homogeneous			
5-33	Basement Office at Restroom - Red	Red Fibrous	8% Glass	25% Ca Carbonate 67% Non-fibrous (Other)	None Detected
291909091-0033	Firestop	Homogeneous			
5-34	Basement Office at Restroom - Red	Red Fibrous	5% Glass	95% Non-fibrous (Other)	None Detected
291909091-0034	Firestop	Homogeneous			
5-35	Cafeteria - Black Waterproofing	Red/Black Non-Fibrous		15% Quartz 30% Ca Carbonate	None Detected
291909091-0035		Homogeneous		55% Non-fibrous (Other)	
91909091-0036	Kitchen - Black Waterproofing	Red/Black Non-Fibrous		15% Quartz 30% Ca Carbonate	None Detected
	Vitaban Disati	Homogeneous		55% Non-fibrous (Other)	
91909091-0037	Kitchen - Black Waterproofing	Gray/Black Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
5-38	Cafeteria - Drywall	Brown/Gray	10% Cellulose	20% Ca Carbonate	None Detected
91909091-0038	Lathe	Fibrous Homogeneous	3% Glass	30% Gypsum 37% Non-fibrous (Other)	None Detected
5-39	Cafeteria - Drywall	Brown/Gray	10% Cellulose	20% Ca Carbonate	None Detected
291909091-0039	Lathe	Fibrous Homogeneous	3% Glass	30% Gypsum 37% Non-fibrous (Other)	
5-40	Room 305 Closet -	Brown/Gray	20% Cellulose	40% Gypsum	None Detected
	Drywall Lathe	Fibrous Homogeneous		40% Non-fibrous (Other)	



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:

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

Sample	Description	Appearance	Non-Asbesto % Fibrous	os % Non-Fibrous	Asbestos % 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	West at Canopy - Black Roof Caulk	Gray/Black Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
5-43	West at Canopy - Black Roof Caulk	Black Non-Fibrous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
5-44-Shingle 1	At Canopy/Entrance - Gray Shingles and	Homogeneous Gray/Black Fibrous	3% Cellulose 20% Glass	40% Ca Carbonate 37% Non-fibrous (Other)	None Detected
291909091-0044 5-44-Shingle 2	Felt Paper At Canopy/Entrance - Gray Shingles and	Homogeneous White/Red/Black Fibrous	2% Cellulose 20% Glass	40% Ca Carbonate 38% Non-fibrous (Other)	None Detected
291909091-0044A	Felt Paper	Homogeneous	2070 01000	con non norday (curer)	
5-44-Felt Paper	At Canopy/Entrance - Gray Shingles and Felt Paper	Brown/Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
5-45-Shingle 1	At Southwest Canopy - Gray Shingles and	Gray/Black Fibrous	2% Cellulose 20% Glass	40% Ca Carbonate 38% Non-fibrous (Other)	None Detected
5-45-Shingle 2	Felt Paper At Southwest Canopy - Gray Shingles and	Homogeneous White/Red/Black Fibrous	2% Cellulose 20% Glass	40% Ca Carbonate 38% Non-fibrous (Other)	None Detected
291909091-00 4 5A	Felt Paper	Homogeneous	2070 01000	con Horribrous (Guier)	
5-45-Felt Paper	At Southwest Canopy - Gray Shingles and Felt Paper	Brown/Black Fibrous	70% Cellulose	30% Non-fibrous (Other)	None Detected
5-46-Shingle 1	Southwest Corner - Gray Shingles and Felt Paper	Gray/Black Fibrous	20% Glass	40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
5-46-Shingle 2	Southwest Corner - Gray Shingles and	Homogeneous Gray/Red/Black Fibrous	20% Glass	40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
291909091-0046A 5-46-Felt Paper	Felt Paper Southwest Corner - Gray Shingles and	Homogeneous Black Fibrous	65% Cellulose	35% Non-fibrous (Other)	None Detected
291909091-0046B 5-47-Floor Tile 291909091-0047	Felt Paper Main Lobby - 12" x 12" Off-white Speckled Floor Tile	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
5-47-Mastic	and Mastic Main Lobby - 12" x 12" Off-white	Tan Fibrous	2% Cellulose	10% Ca Carbonate 88% Non-fibrous (Other)	None Detected
291909091-0047A	Speckled Floor Tile and Mastic	Homogeneous			
5-48-Floor Tile	Room 305 - 12" x 12" Off-white Speckled	White Non-Fibrous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
291909091-0048	Floor Tile and Mastic	Homogeneous	00/ 0-1/ 1	100 0 0 1	
5-48-Mastic 91909091-0048A	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	Room 303 - 12" x 12" Off-white Speckled	White Non-Fibrous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
291909091-0049 5-49-Mastic	Room 303 - 12" x 12" Off-white Speckled	Tan Fibrous	2% Cellulose	98% Non-fibrous (Other)	None Detected
291909091-0049A	Floor Tile and Mastic	Homogeneous			



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Project ID:

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

			Non-Asbes	tos	Asbestos
Sample	Description	Appearance	% 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	Room 303 - Tan Floor Tile and Mastic - 2nd Layer	Tan Fibrous Homogeneous		40% Ca Carbonate 58% Non-fibrous (Other)	2% Chrysotile
5-53-Mastic	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	Room 305 - Tan Floor Tile and Mastic - 2nd Layer	Homogonoodo			Positive Stop (Not Analyzed)
5-55	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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	_	Non-Asbestos			Asbestos	
Sample	Description	Appearance	% 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	Main Lobby Patch at Radiator - 12" x 12" Tri-blue Floor Tile and	Blue Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected	
20100001 0000	Mastic	Homogeneous				
5-58-Mastic 1 291909091-0058A	Main Lobby Patch at Radiator - 12" x 12" Tri-blue Floor Tile and				Positive Stop (Not Analyzed)	
	Mastic					
5-58-Mastic 2	Main Lobby Patch at Radiator - 12" x 12"	Tan Fibrous	2% Cellulose	98% Non-fibrous (Other)	None Detected	
291909091-0058B	Tri-blue Floor Tile and Mastic	Homogeneous				
5-59	Room 304 - Black Felt Paper under	Black Fibrous	70% Cellulose	30% Non-fibrous (Other)	None Detected	
291909091-0059	Hardwood Flooring	Homogeneous				
5-60 291909091-0060	Room 302 - Black Felt Paper under	Brown Fibrous	70% Cellulose	30% Non-fibrous (Other)	None Detected	
5-61	Hardwood Flooring Music Room - Black	Homogeneous Black	65% Callulana	259/ Non-Shares (Other)	News Date start	
291909091-0061	Felt Paper under Hardwood Flooring	Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected	
5-62-Vinyl Sheet Flooring 1	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	
291909091-0062						
5-62-Felt Backing	Room 305 - Gray Vinyl Sheet Floor with	Black Fibrous	70% Cellulose	30% Non-fibrous (Other)	None Detected	
291909091-0062A	Black Felt Backing	Homogeneous				
5-62-Vinyl Sheet Flooring 2	Room 305 - Gray Vinyl Sheet Floor with Black Felt Backing	Brown Fibrous Homogeneous	10% Cellulose	40% Ca Carbonate 50% Non-fibrous (Other)	None Detected	
291909091-0062B	Didox r on Dacking	Homogoneous				
5-62-Mastic	Room 305 - Gray Vinyl Sheet Floor with	Black Fibrous	5% Cellulose 2% Synthetic	93% Non-fibrous (Other)	None Detected	
291909091-0062C	Black Felt Backing	Homogeneous	400/ 0 11 1			
5-63-Vinyl Sheet Flooring	Room 305 - Gray Vinyl Sheet Floor with Black Felt Backing	Brown Fibrous Homogeneous	10% Cellulose	40% Ca Carbonate 50% Non-fibrous (Other)	None Detected	
291909091-0063						
5-63-Felt Backing	Room 305 - Gray Vinyl Sheet Floor with	Black Fibrous	70% Cellulose	30% Non-fibrous (Other)	None Detected	
291909091-0063A	Black Felt Backing	Homogeneous	459/ 0-11-1	FFOV NI St. (OIII)		
5-64-Vinyl Sheet Flooring	Room 305 - Gray Vinyl Sheet Floor with Black Felt Backing	Gray/Beige Fibrous Homogeneous	45% Cellulose	55% Non-fibrous (Other)	None Detected	
291909091-0064						
5-64-Felt Backing	Room 305 - Gray Vinyl Sheet Floor with	Black Fibrous	40% Cellulose 25% Synthetic	35% Non-fibrous (Other)	None Detected	
5-65-Floor Tile	Black Felt Backing Room 304 - 12" x 12"	Homogeneous Beige		40% Ca Carbonate	None Detected	
291909091-0065	Tri-beige Floor Tile and Mastic	Non-Fibrous Homogeneous		60% Non-fibrous (Other)		



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

			Non-Asbest	Asbestos	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
5-65-Mastic	Room 304 - 12" x 12" Tri-beige Floor Tile	Tan Fibrous	2% Cellulose	10% Ca Carbonate 88% Non-fibrous (Other)	None Detected
291909091-0065A	and Mastic	Homogeneous			
5-66-Floor Tile	Room 304 - 12" x 12" Tri-beige Floor Tile	Beige Non-Fibrous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
291909091-0066	and Mastic	Homogeneous			
5-66-Mastic	Room 304 - 12" x 12" Tri-beige Floor Tile	Tan/Yellow Fibrous	2% Cellulose	10% Ca Carbonate 88% Non-fibrous (Other)	None Detected
291909091-0066A	and Mastic	Homogeneous			
5-67-Floor Tile	Room 304 Closet - 12" x 12" Tri-beige	Tan/Beige Non-Fibrous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
291909091-0067	Floor Tile and Mastic	Homogeneous			
5-67-Mastic	Room 304 Closet - 12" x 12" Tri-beige	Yellow Fibrous	2% Cellulose	98% Non-fibrous (Other)	None Detected
291909091-0067A	Floor Tile and Mastic	Homogeneous			
5-68 291909091-0068	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	Room 305 Closet -	White	20% Cellulose	25% Ca Carbonate	None Detected
291909091-0069	White with 4" Grid and Brown Diamond Vinyl Sheet Flooring	Fibrous Homogeneous	10% Glass	45% Non-fibrous (Other)	
5-70	Room 305 Closet - White with 4" Grid	Brown/White Fibrous	30% Cellulose 10% Glass	60% Non-fibrous (Other)	None Detected
291909091-0070	and Brown Diamond Vinyl Sheet Flooring	Homogeneous	10% 0.000		
5-71	Main Lobby - Drywall and Joint Compound -	Brown/Gray/White Fibrous	10% Cellulose 2% Glass	20% Ca Carbonate 20% Gypsum	None Detected
291909091-0071 This is a composite result	Ceiling of drywall, and joint compound	Homogeneous	<1% Wollastonite	48% Non-fibrous (Other)	
5-72	Room 302 - Drywall	Brown/Gray/White	10% Cellulose	20% Ca Carbonate	None Detected
5-12	and Joint Compound -	Fibrous	2% Glass	20% Gypsum	None Detected
291909091-0072	Ceiling	Homogeneous	<1% Wollastonite	48% Non-fibrous (Other)	
This is a composite result	of drywall, and joint compound	many bears		- N.P Stat St. 1898	
5-73	Room 304 - Drywall and Joint Compound -	Brown/Gray/White Fibrous	15% Cellulose	20% Ca Carbonate 30% Gypsum	None Detected
291909091-0073	Ceiling	Homogeneous		35% Non-fibrous (Other)	
This is a composite result	of drywall, and joint compound.	Age -			
5-74	Main Lobby - 2' x 2' White Ceiling Tile with	Gray/White Fibrous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
291909091-0074	Dots	Homogeneous	AN ASSAMATA DA SANTAN PARATRA	The second secon	
5-75	Room 302 - 2' x 2' White Ceiling Tile with	Gray/White Fibrous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
291909091-0075	Dots	Homogeneous		, , , , , , , , , , , , , , , , , , , ,	
5-76	Room 304 - 2' x 2' White Ceiling Tile with	Gray/White Fibrous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
291909091-0076	Dots	Homogeneous		CONTROL OF THE STATE OF THE STA	
5-77	Room 304 - Silver Paint on Radiators	Gray/Silver Non-Fibrous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
291909091-0077		Homogeneous			
5-78	Room 304 - Silver Paint on Radiators	Gray/Silver Non-Fibrous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
291909091-0078		Homogeneous			
5-79	Room 305 - Silver Paint on Radiators	Black/Silver Non-Fibrous	<1% Cellulose	30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
291909091-0079		Homogeneous			



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Sample	Description	Appearance	Non-Asbestos % Fibrous % Non-Fibrous		Asbestos % Type	
5-80	Band Room - Yellow	Tan	2% Cellulose			
291909091-0080	Carpet Glue and Brown Paint	Fibrous Homogeneous	2 % Cellulose	98% Non-fibrous (Other)	None Detected	
5-81	Music Lobby - Yellow	Tan	2% Cellulose	98% Non-fibrous (Other)	Ness Detected	
291909091-0081	Carpet Glue and Brown Paint	Fibrous Homogeneous	2 % Celidiose	90% Non-librous (Other)	None Detected	
5-82-Carpet Glue	Music Room - Yellow	Yellow	<1% Cellulose	100% Non fibrous (Other)	Ness Detected	
91909091-0082	Carpet Glue and Brown Paint	Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected	
i-82-Paint	Music Room - Yellow	Brown		200/ 0- 0- + +	N. 5	
91909091-0082A	Carpet Glue and Brown Paint	Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected	
				100 0 0 1		
5-83-Cove Base	Band Room - 4" Black Cove Base and	Black Non-Fibrous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected	
91909091-0083	Mastic	Homogeneous				
5-83-Mastic	Band Room - 4" Black Cove Base and	Tan Non-Fibrous	<1% Cellulose	100% Non-fibrous (Other)	None Detected	
291909091-0083A	Mastic	Homogeneous				
5-84-Cove Base	Music Lobby - 4" Black Cove Base and	Black Non-Fibrous		40% Ca Carbonate	None Detected	
91909091-0084	Mastic	Homogeneous		60% Non-fibrous (Other)		
5-84-Mastic	Music Lobby - 4"	Tan	<1% Cellulose	100% Non-fibrous (Other)	None Detected	
91909091-0084A	Black Cove Base and Mastic	Non-Fibrous Homogeneous	- 170 John 1995	Too / Nor Holodo (Other)	None Detected	
i-85-Cove Base	Music Room - 4"	Black		40% Co Corbonata	Ness Datastad	
91909091-0085	Black Cove Base and Mastic	Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected	
	Music Room - 4"		20/ Callulana	OOM Now Shares (Other)	N	
91909091-0085A	Black Cove Base and Mastic	Tan Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected	
5-86	Band Room - Drywall	Brown/Gray/White	15% Cellulose	200/ Co Corbonata	Ness Detected	
91909091-0086	and Joint Compound - Walls	Fibrous Homogeneous	15% Cellulose	20% Ca Carbonate 30% Gypsum 35% Non-fibrous (Other)	None Detected	
This is a composite result of		Homogeneous		35 % Non-librous (Other)		
5-87	Music Lobby - Drywall	Brown/Gray/White	15% Cellulose	20% Ca Carbonate	None Detected	
91909091-0087	and Joint Compound - Walls	Fibrous Homogeneous	<1% Wollastonite	30% Gypsum 35% Non-fibrous (Other)		
	drywall, and joint compound.	Homogeneous		35 % Non-librous (Culer)		
i-88	Music Room - Drywall and Joint Compound -	Brown/Gray/White Fibrous	15% Cellulose 2% Glass	20% Ca Carbonate	None Detected	
91909091-0088	Walls	Homogeneous	276 Glass	30% Gypsum 33% Non-fibrous (Other)		
This is a composite result of	drywall, and joint compound.	, iomogonoodo		oo in Horring (Other)		
-89	Music Room - Black Sink Mastic	Black Fibrous		92% Non-fibrous (Other)	8% Chrysotile	
91909091-0089		Homogeneous				
-90	Music Room - Black Sink Mastic		1		Positive Stop (Not Analyzed)	
91909091-0090	Jim maodo					
-91	Music Room - Black Sink Mastic				Positive Stop (Not Analyzed)	
91909091-0091						
i-92	Music Room - Beige FRP Mastic	Beige Non-Fibrous	<1% Cellulose	100% Non-fibrous (Other)	None Detected	
91909091-0092		Homogeneous				
-93	Music Room - Beige FRP Mastic	Beige Non-Fibrous	<1% Cellulose	100% Non-fibrous (Other)	None Detected	
91909091-0093	. IXI Musuo	Homogeneous				



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			Non-Asbest	os	<u>Asbestos</u>
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
5-94	Music Room - Beige FRP Mastic	Beige Non-Fibrous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
291909091-0094 5-95	Music Room - Brown	Homogeneous Brown	<1% Cellulose	100% Non-fibrous (Other)	None Detected
291909091-0095	FRP Mastic	Non-Fibrous Homogeneous			
5-96	Music Room - Brown FRP Mastic	Brown Non-Fibrous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
291909091-0096		Homogeneous			
5-97	Music Room - Brown FRP Mastic	Brown Fibrous	2% Cellulose	98% Non-fibrous (Other)	None Detected
291909091-0097		Homogeneous			
5-98	Door to Music Lobby - White Exterior Caulk - Wood at Brick	Gray/White Non-Fibrous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
		Homogeneous		200/ Co Cod cod	20/ Charactile
5-99 291909091-0099	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	At Room 301 South Window - White				Positive Stop (Not Analyzed
291909091-0100	Exterior Caulk - Wood at Brick				
5-101	At Music Lobby - White Exterior	Gray/White Non-Fibrous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
291909091-0101	Window Glazing	Homogeneous			
5-102	At Main Lobby - White Exterior Window Glazing	Gray/White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
5-103	At Room 301 South	White	2% Wollastonite	30% Ca Carbonate	None Detected
291909091-0103	Window - White Exterior Window Glazing	Fibrous Homogeneous	2 /6 Wonastonie	68% Non-fibrous (Other)	Note Detected
5-104-Shingle	Canopy over	Black	20% Glass	10% Quartz	None Detected
291909091-0104	Northeast Basement Door - Black Shingles and Felt Paper	Fibrous Homogeneous		20% Ca Carbonate 50% Non-fibrous (Other)	
5-104-Felt Paper	Canopy over Northeast Basement Door - Black Shingles	Black Fibrous	70% Cellulose	30% Non-fibrous (Other)	None Detected
20.00001701040	and Felt Paper	Homogeneous			
5-105-Shingle	Canopy over Northeast Basement	Black Fibrous	20% Glass	10% Quartz 20% Ca Carbonate	None Detected
291909091-0105	Door - Black Shingles and Felt Paper	Homogeneous		50% Non-fibrous (Other)	
5-105-Felt Paper	Canopy over Northeast Basement	Black Fibrous	70% Cellulose	30% Non-fibrous (Other)	None Detected
291909091-0105A	Door - Black Shingles and Felt Paper	Homogeneous			
5-106-Shingle	Canopy over Northeast Basement	Black Fibrous	20% Glass	40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
291909091-0106	Door - Black Shingles and Felt Paper	Homogeneous			Mary Reserve
5-106-Felt Paper	Canopy over Northeast Basement	Black Fibrous	65% Cellulose	35% Non-fibrous (Other)	None Detected
291909091-0106A	Door - Black Shingles and Felt Paper	Homogeneous			



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			sbestos	Asbestos	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
5-107-Grout	Room 303 Restroom -	White		70% Ca Carbonate	None Detected
	Ceramic Wall Tile	Non-Fibrous		30% Non-fibrous (Other)	
291909091-0107	Grout and Mortar	Homogeneous			
5-107-Mortar	Room 303 Restroom -	Gray		10% Quartz	None Detected
	Ceramic Wall Tile	Non-Fibrous		40% Ca Carbonate	
291909091-0107A	Grout and Mortar	Homogeneous		50% Non-fibrous (Other)	
5-108-Grout	Room 303 Restroom -	White		70% Ca Carbonate	None Detected
	Ceramic Wall Tile	Non-Fibrous		30% Non-fibrous (Other)	
291909091-0108	Grout and Mortar	Homogeneous		0289000 0260 (Note that the same to the same to the same that the same	
5-108-Mortar	Room 303 Restroom -	Gray		10% Quartz	None Detected
	Ceramic Wall Tile	Non-Fibrous		40% Ca Carbonate	
291909091-0108A	Grout and Mortar	Homogeneous		50% Non-fibrous (Other)	
5-109-Grout	Room 303 Restroom -	Gray		20% Quartz	None Detected
	Ceramic Wall Tile	Non-Fibrous		40% Ca Carbonate	
291909091-0109	Grout and Mortar	Homogeneous		40% Non-fibrous (Other)	
5-109-Mortar	Room 303 Restroom -	Gray		20% Quartz	None Detected
	Ceramic Wall Tile	Non-Fibrous		80% Non-fibrous (Other)	
291909091-0109A	Grout and Mortar	Homogeneous			

Analyst(s)

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

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

2500 Gateway Centre Bouleva

Client: Order:

Terracon Consultants, Inc.

291909091

Disposition: Discard after 10/4/2019

Test: PLM

#Samples:

Project: Erwin Elementary School Demolition Asbestos Survey, Building 4/Ram Building, 301 S 10th

sville, 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 Fax #: 919-873-9555 Country: US Telephone #: 913-873-2211 Report To (Name): Alicia Coley Please Provide Results: Fax 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: Commercial/Taxable 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. 3 Hour PCM - Air Check if samples are TEM - Air 4-4.5hr TAT (AHERA only) **TEM-Dust** from NY NIOSH 7400 AHERA 40 CFR, Part Microvac - ASTM D 5755 763 NIOSH 7402 w/ OSHA 8hr. TWA Wipe - ASTM D6480 PLM - Bulk (reporting limit) EPA Level II Carpet Sonication (EPA 600/J-93/167) PLM EPA 600/R-93/116 (<1%) ISO 10312 Soil/Rock/Vermiculite ☐PLM EPA NOB (<1%) TEM - Bulk PLM EPA 600/R-93/116 with milling prep (<1%) **Point Count** TEM EPA NOB PLM EPA 600/R-93/116 with milling prep (<0.25%) 400 (<0.25%) 1000 (<0.1%) NYS NOB 198.4 (non-friable-NY) TEM EPA 600/R-93/116 with milling prep (<0.1%) Point Count w/Gravimetric Chatfield SOP TEM Qualitative via Filtration Prep 400 (<0.25%) 1000 (<0.1%) TEM Qualitative via Drop Mount Prep TEM Mass Analysis-EPA 600 sec. 2.5 Cincinnati Method EPA 600/R-04/004 - PLM/TEM NYS 198.1 (friable in NY) TEM - Water: EPA 100.2 (BC only) NYS 198.6 NOB (non-friable-NY) Fibers >10µm Waste Drinking Other: NYS 198.8 SOF-V All Fiber Sizes Waste Drinking NIOSH 9002 (<1%) Check For Positive Stop – Clearly Identify Homogenous Group Filter Pore Size (Air Samples): □ 0.8µm samplers Name: Alicia Coley / Trey Turner Samplers Signature: Volume/Area (Air) Date/Time Sample # Sampled Sample Description HA# (Bulk) See attached COC 5-1->5-109 Total # of Samples: -86 109 Client Sample # (s): Relinquished (Client): Time: Received (Lab): Date: Comments/Special Instructions:

Terracon Contact:		Alicia Coley			
2401 Brentwood Road Suite 107 Pho		Phone #:	919.873.2211		
		Email Results to:	ancoley@tem		
	sis: PLM	TAT:		Days 3 Days 4 Days 5 Days Ott	ner
The second second	t Name; Number:	Erwin Elementary School Demotition As 70197439		D. 114 5 (D D. 114)	
Floject	radinoer.	70187435	Building Number: Address:	Building 5 / Ram Building 301 S. 10th Street, Erwin, NC	
Building Cl	assification:	****	Audress;	301 S. 10th Street, Erwin, NC	
HA	Sample #	Location		Description	
1		Boiler Room		Notes	
1	5-1	Boiler Room		First Positive S	
1	5-2	· Boiler Room		1	
2	5-3	Boller Room Elbow		↓ 5:-45-10-6	
2	5-4 5-5	Boller Room Elbow	Hard T	First Positive S	
2	5-6	Boiler Room Tee	Hard T	+	
3	5-6	Boiler Room Elbow		SI Joint with Tan Canvas Wrap	First Basilian (
3		Boiler Room Elbow	The same of the sa	SI Joint Associated with HA 1	First Positive S
3	5-8 5-9	Boiler Roam Elbow	Hard TSI Joint Associated with HA 1		+
4		Boiler Room Elbow	Hard TSI Joint Associated with HA 1		↓ 514 D111 0
4	5-10	Boiler Room Elbow		White Mud TSI Joint	First Positive S
4	5-11	Boiler Room Elbow		White Mud TSI Joint	+
5	5-12			White Mud TSI Joint	↓ 5: 45 %
5	5-13	Boiler Room Boiler Room		Boiler Rope Gasket	First Positive S
5	5-14			Boiler Rope Gasket	1
6	5-15	Boiler Room At Boiler	Boiler Rope Gasket		4
	5-16	7.1.2.1.1.	Lightweight Concrete		First Positive S
6	5-17	At Boller	Lightweight Concrete		+
8	5-18	At Boiler	Lightweight Concrete		1
6	5-19	Boller Room	Interior Window Glazing		First Positive S
6	5-20	Boiler Room	Interior Window Glazing		+
7	5-21	Boller Room	Interior Window Glazing		4
7	5-22	Basement Restroom		Plaster	
7	5-23	Door to Kitchen	Plaster		
7	5-24	Cafeteria Southeast	Plaster		7.
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 8
9	5-30	Cafeteria	9" x 9	" Gray Floor Tite 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 S
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 S
11	5-36	Kitchen	Black Waterproofing		1
11	5-37	Kitchen	Black Waterproofing		+
12	5-38	Cafeteria	Drywall Lathe		First Positive 8
12	5-39	Cafeteria	Drywall Lathe		4
12	5-40	Room 305 Closet		Drywall Lathe	1
13	5-41	West at Canopy		Black Roof Caulk Black Roof Caulk	First Positive S
13	5-42	West at Canopy		+	
13	5-43	West at Canopy	Black Roof Caulk		<u> </u>
14	5-44	At Canopy/Entrance	Gray Shingles and Felt Paper Gray Shingles and Felt Paper		First Positive S
14	5-45	At Southwest Canopy		+	
15	5-46	Southwest Corner Main Lobby	Company of the Company	y Shingles and Felt Paper	First Besitive 6
15	5-47	Main Lobby	12" x 12" Off-	First Positive 8	
	5-48	Room 305	12" x 12" Off-	<u> </u>	
15	5-49	Room 303	12" x 12" Off-	↓ 	
16	5-50	Room 303 Restroom	12" x 12" Light Gra	First Positive S	
16	5-51	Room 303 Restroom	12" x 12" Light Gra	+-	
	5-52	Room 303 Restroom		y with Gray Specks Floor Tile and Mastic	↓ F:=+ D==#:==0
17	5-53	Room 303	Tan Floor Tite and Mastic - 2nd Layer		First Positive S
17	5-54	Room 305	Tan Floor Tile and Mastic - 2nd Layer		1 4

Terracon Consultants, Inc.

PLM

Bulk

Order ID: 291909091 Erwin Elementary School Demolition Asbestos Survey, Bui No Samples: 109 9/4/2019 10:10 TAT: 1 Week Due: 09/11 10:10 AM Fax: 919-873-9555

Raleigh, I	Road Suite 107	Phone #:		040 070 0044	
Raleigh, I				919.873.2211	
Analysi	NC 27604	Email Results to:	ancoley@terracon.com; trey.turner@terracon.com		
- Tialys	is: PLM	TAT:		Days 3 Days 4 Days 5 Days Other	
Project		Erwin Elementary School Demolition As			
Project	Number:	70197439	Building Number:	Building 5 / Ram Building	
			Address:	301 S. 10th Street, Erwin, NC	
Building Cla	assification:	-			
НА	Sample #	Location		Description	Notes
18	5-56	Main Lobby Patch at Radiator	12" x 12	First Positive St	
18	5-57	Main Lobby Patch at Radiator	12" x 12	4	
18	5-58	Main Lobby Patch at Radiator	12" x 12	4	
19	5-59	Room 304	Black Felt	First Positive St	
19	5-60	Room 302	Black Felt	4	
19	5-61	Music Room	Black Felt	4	
20	5-62	Room 305	Gray Vinyl S	Sheet Floor with Black Felt Backing	First Positive St
20	5-63	Room 305	Gray Vinyl Sheet Floor with Black Felt Backing		4
20	5-64	Room 305	Gray Vinyl Sheet Floor with Black Felt Backing		4
21	5-65	Room 304	12" x 12"	Tri-belge Floor Tile and Mastic	First Positive St
21	5-66	Room 304	12" x 12" Tri-beige Floor Tile and Mastic		+
21	5-67	Room 304 Closet		Tri-beige Floor Tile and Mastic	4
22	5-68	Room 305 Closet	White with 4" Grid	First Positive St	
22	5-69	Room 305 Closet		and Brown Diamond Vinyl Sheet Flooring	1
22	5-70	Room 305 Closet	White with 4" Grid	4	
23	5-71	Main Lobby	Drywall	First Positive St	
23	5-72	Room 302	Drywall	4	
23	5-73	Room 304		j.	
24	5-74	Maín Lobby	Drywall and Joint Compound - Ceiling		First Positive S
24		Room 302	2' x 2' White Celling Tile with Dots		↓ ↓
24	5-75	Room 304	2' x 2' White Ceiling Tile with Dots		4
25	5-76	Room 304	2' x 2' White Ceiling Tile with Dots		
	5-77		Silver Paint on Radiators		First Positive S
25 25	5-78	Room 304	Silver Paint on Radiators		+
	5-79	Room 305	Silver Paint on Radiators		↓
26	5-80	Band Room	Yellow Carpet Glue and Brown Paint		First Positive St
26	5-81	Music Lobby	Yellow Carpet Glue and Brown Paint		<u>+</u>
26	5-82	Music Room	Yellow Carpet Glue and Brown Paint		4
27	5-83	Band Room	4" Black Coye Base and Mastic		First Positive St
27	5-84	Music Lobby	4" Black Cove Base and Mastic		+
27	5-85	Music Room	4" Black Cove Base and Mastic		1
28	5-86	Band Room	Drywall and Joint Compound - Walls		First Positive S
28	5-87	Music Lobby	Drywall and Joint Compound - Walls		4
28	5-88	Music Room	Drywall and Joint Compound - Walls		4
29	5-89	Music Room	Black Sink Mastic		First Positive S
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 S
30	5-93	Music Room	Beige FRP Mastic		4
30	5-94	Music Room		Beige FRP Mastic	1
31	5-95	Music Room	Brown FRP Mastic		First Positive S
31	5-96	Music Room	Brown FRP Mastic		4
31	5-97	Music Room		Brown FRP Mastic	+
32	5-98	Door to Music Lobby	White Exterior Caulk - Wood at Brick		First Positive S
32	5-99	Window at Main Lobby	White Exterior Caulk - Wood at Brick		4
32	5-100	At Room 301 South Window	White Exterior Caulk - Wood at Brick		1
33	5-101	At Music Lobby	White Exterior Window Glazing		First Positive S
33	5-102	At Main Lobby	Whi	te Exterior Window Glazing	4
33	5-103	At Room 301 South Window	White Exterior Window Glazing		4
34	5-104	Canopy over Northeast Basement Door	Bla	First Positive S	
34	5-105	Canopy over Northeast Basement Door	Bla	+	
34	5-106	Canopy over Northeast Basement Door	Bla	4	
35	5-107	Room 303 Restroom		nic Wall Tile Grout and Mortar	First Positive St
35	5-108	Room 303 Restroom	Ceramic Wall Tile Grout and Mortar		4

Terracon Consultants, Inc.

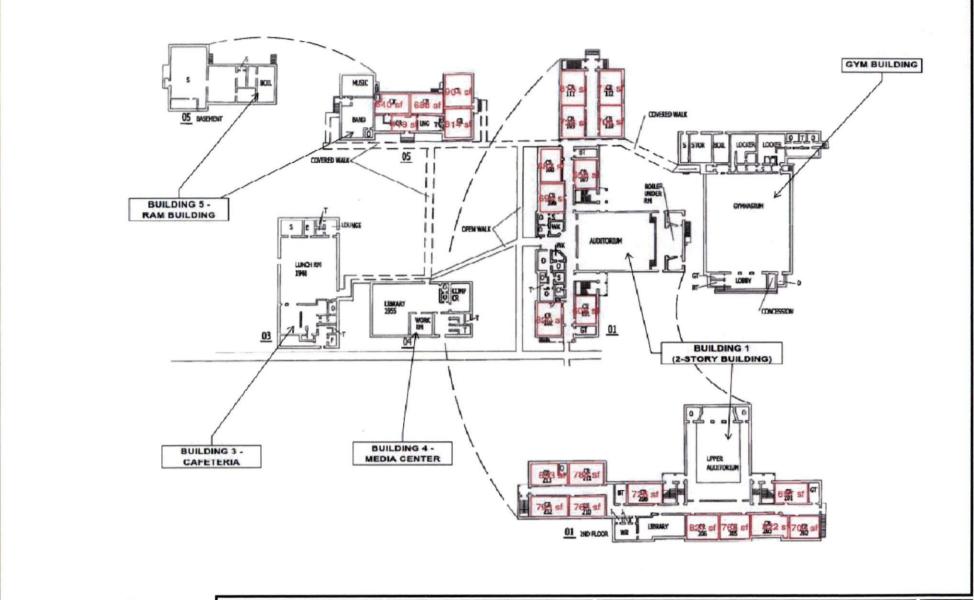
Order ID: 291909091 Terracon Consultants, inc.

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

TAT: 1 Week

Due: 09/11 10:10 AM

APPENDIX D PROPERTY AND BUILDING LAYOUT





Building layout and sample locations are approximated.

Project Manager		Project No.	
	ANC	70197439	
Drawn By:		Scale:	
	ANC	N.T.S.	
Checked By:		File Name:	Consultin
	ANC		Constitution of the Consti
Approved By:		Date:	2401 Brentwood Road
120,000	RH	10/2/2019	PH. (919) 873-2211

Consulting Engineers & Scientists

2401 Brentwood Road, Suite 107 Raleigh, NC 27604

FAX. (919) 873-9555

Property and Building Layout

Erwin Elementary School

301 South 10th Street Erwin, North Carolina Figure

1

APPENDIX E

PHOTOGRAPHS

Photos Taken August 28 and 30, 2019





Photo #1 View of the front exterior.

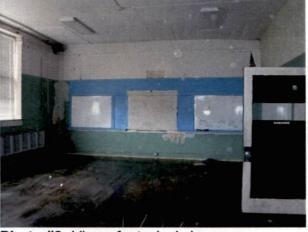


Photo #2 View of a typical classroom.



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 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.

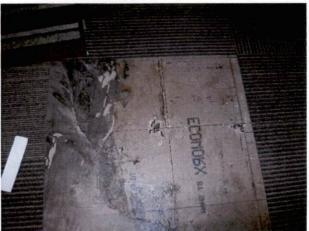


Photo #18 View of HA 14, asbestoscontaining 9" x 9" tan floor tile and mastic.

Terracon Project No.: 70197439

Photos Taken August 28 and 30, 2019





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, asbestoscontaining 12" x 12" tan with brown dots floor tile with non-asbestos containing mastic.



Photo #22 View of HA 18, asbestoscontaining 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.

Terracon Project No.: 70197439





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, asbestoscontaining silver paint.

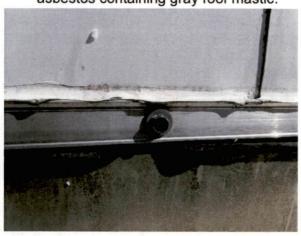


Photo #33 View of HA 29, non-asbestos containing white roof caulk on main roof.



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



Photo #35 View of HA 31, asbestoscontaining black roof mastic on brick.



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

Erwin Elementary School – Building 1 ■ Erwin, North Carolina Terracon Project No.: 70197439
Photos Taken August 28 and 30, 2019





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



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

Erwin Elementary School – Gym ■ Erwin, North Carolina Terracon Project No.: 70197439





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.

Erwin Elementary School – Gym ■ Erwin, North Carolina Terracon Project No.: 70197439





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.

Erwin Elementary School - Gym Erwin, North Carolina Terracon Project No.: 70197439





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



Photo #14 View of exterior with HA 7, nonasbestos 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, asbestoscontaining beige exterior door caulk.



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

Erwin Elementary School – Gym ■ Erwin, North Carolina

Terracon Project No.: 70197439





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



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



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



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



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



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

Erwin Elementary School – Gym Erwin, North Carolina

Terracon Project No.: 70197439





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, asbestoscontaining 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.

Erwin Elementary School – Gym ■ Erwin, North Carolina Terracon Project No.: 70197439 Photos Taken August 26, 28, and 30, 2019





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.

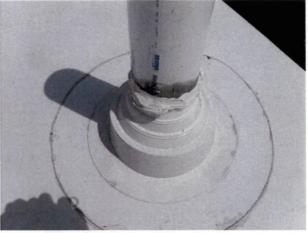


Photo #8 View of HA 2, non-asbestos containing white roof caulk at penetrations on east roof.



Photo #9 View of HA 3, non-asbestoscontaining 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.



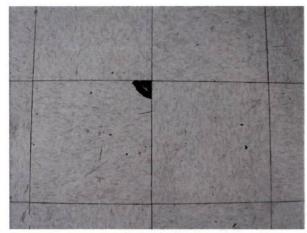


Photo #19 View of HA 13, asbestoscontaining mastic associated with nonasbestos containing 12" x 12" tri-beige floor tile and mastic.



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



Photo #21 View of HA 15, asbestoscontaining 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.

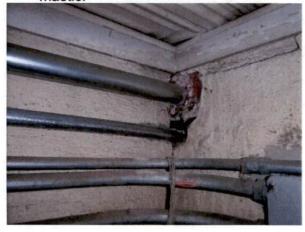


Photo #23 View of HA 17, non-asbestos containing brittle red fire caulk.



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



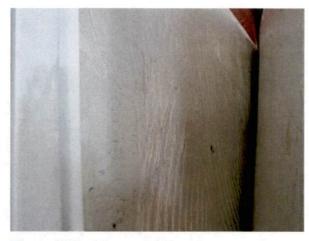


Photo #25 View of HA 19, non-asbestos containing beige FRP mastic.



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.

Erwin Elementary School – Building 3 ■ Erwin, North Carolina

Terracon Project No.: 70197439





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, asbestoscontaining exterior window caulk.



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



Photo #36 View of HA 32, asbestoscontaining 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.

Erwin Elementary School – Building 4 ■ Erwin, North Carolina

Terracon Project No.: 70197439





Photo #7 View of roof.



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



Photo #9 View of HA 2, non-asbestoscontaining 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.

Terracon Project No.: 70197439



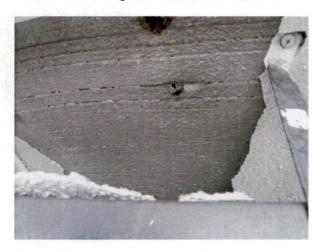


Photo #13 View of HA 6, non-asbestos containing textured ceiling plaster.



Photo #14 View of sink with HA 8, asbestoscontaining black sink mastic.



Photo #15 View of HA 9, asbestoscontaining 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.

Erwin Elementary School – Building 4 ■ Erwin, North Carolina Terracon Project No.: 70197439





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.

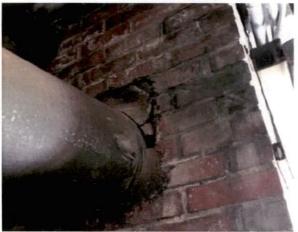


Photo #23 View of HA 17, non-asbestos containing concrete at flue.





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.

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



Photo #8 View HA of 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.



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



Photo #12 View of boiler with HA 5, asbestoscontaining boiler rope gasket.





Photo #13 View of HA 5, asbestoscontaining 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 8, non-asbestos containing plaster.



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



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

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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 nonasbestos containing 12" x 12" light gray with gray specks floor tile and mastic.





Photo #25 View of HA 17, asbestoscontaining 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, nonasbestos containing siler 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, asbestoscontaining black sink mastic.

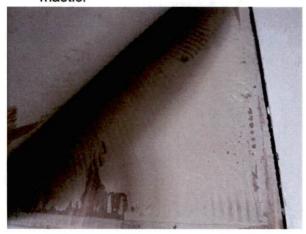


Photo #35 View of HA 30, non-asbestos containing beige FRP mastic.



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

Erwin Elementary School – Building 5 ■ Erwin, North Carolina Terracon Project No.: 70197439 Photos Taken August 26 and 27, 2019





Photo #37 View of HA 32, asbestoscontaining 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

(4)

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

123858

North Carolina Asbestos Accreditation

EXPIRATION (03-31-2000)				
09-07-1983	F	5'5"	130	
CLASS		#	EXP	
DESIGNER		40502	0 t-26	
INSPECTOR		12548	03-20	
SUPER AIR MONITOR		90159	01-20	



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

123358

North Carolina Asbestos Accreditation

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