ENVIRO SCAN JOB # AS-1259

Asbestos Inspection Report
MULTI-UNIT FACILITY
1411 CARVER STREET
MYRTLE BEACH, SC 29577

Prepared For
City of Myrtle Beach
Construction Services
PO Box 2468
Myrtle Beach, SC 29578

Prepared By
Richard A. Eason
Environmental Service Group
PO Box 2798
Myrtle Beach, SC 29578
843-902-4495/1768

12 October 2012
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This report, entitled Asbestos Inspection Report: Multi-Unit Facility, 1411 Carver Street, Myrtle Beach, SC was prepared, at the request of Mr. Bruce Boulineau, Director of Construction Services, for the City of Myrtle Beach, South Carolina, by Environmental Service Group (ESG). The inspection was conducted by and the report was prepared and reviewed by the undersigned.

<table>
<thead>
<tr>
<th>Inspection Conducted By:</th>
<th>SC-DHEC #</th>
<th>License Expiration Date</th>
<th>Signature</th>
<th>Date</th>
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<table>
<thead>
<tr>
<th>Report Prepared By:</th>
<th>SC-DHEC #</th>
<th>License Expiration Date</th>
<th>Signature</th>
<th>Date</th>
</tr>
</thead>
</table>
Section 2.0

Executive Summary

As authorized by Mr. Boulineau, ESG conducted an Asbestos Survey of the Facility on Wednesday 10 October 2012. The purpose of this survey was to identify any Asbestos Containing Building Materials (ACBM’s) within the structure.

The subject building, a one story concrete structure, has been closed for an extended period of time. The facility, prior to its closing served as a small motel/boarding house. There were no indications that it had ever been utilized for the manufacturing and/or storage of materials that would be considered a threat to human health. The structure, approximately 1,200 Sq Ft ± contains some seven (7) rental units. The structure has deteriorated to the stage of being unsafe for human occupancy.

A visual description of building materials found within the facility would include floor coverings of *vinyl floor tiles with associated *Mastics and exposed concrete. Ceiling coverings would consist of *12”x12” Ceiling Tiles and exposed wood. Piping consisted of PVC or exposed metal with no visible Thermal System Insulation (TSI). HVAC Systems, now absent, consisted of individual window units. Interior walls consisted of painted “cinder block” with small areas of non-suspect wood paneling. There was no insulation observed within the interior wall cavities. Exterior walls were concrete “cinder block” with a painted surface. The roof area was a “built-up” type system composed of gravel, *tar, *felt moisture membrane over a wood substrate. Exterior/internal doors were “single panel” wood and did not contain materials suspect of being ACBM’s.

NOTE: * Suspect materials that were tested for asbestos.

Asbestos Assessment: There were materials suspect of being Asbestos Containing Building Materials (ACBM’s).

During the asbestos survey, a total of eleven (11) samples of suspect building materials were collected and submitted for laboratory analysis by Polarized Light microscopy (PLM) and the Point Count Method. As required, one sample of composite materials was submitted for analysis for asbestos mineral fibers by Transmission Electron Microscopy (TEM).

Asbestos Containing Building Materials (ACBM’s) were identified within the facility.

The Gray Vinyl Floor Tiles with associated Mastics (HA 1), found in all rooms and bathrooms (See Site Plan) contain asbestos. These materials, approximately 1,100 Sq Ft ± are classified as Non-Friable Asbestos Containing Building Materials (ACBM’s) and will need to be removed prior to the start of demolition activities.

If desired, Environmental Service Group will assist in preparing, a Notification of Asbestos Abatement Project Licenses Application (SCDHEC Form 3430), and forward it to the South Carolina Department of Health and Environmental Control-Asbestos Division for action as appropriate. The projected date for approval to proceed will be approximately ten (10) working days after date of posting.

Richard A. Eason
Richard A. Eason
Environmental Service Group
SC DHEC # BI 01133
Section 3.0
Scope of Work

ESG utilized only SCDHEC licensed and AHERA certified asbestos building inspectors, management planners and/or project designers, as needed, to complete the project. The laboratory utilized, Environmental Hazards Services, LLC (EHS), is accredited IAW 40 CFR 163 & FR/ Vol. 52. No. 210-763.91 Analysis.

Visual Inspection

An initial building walk-through was conducted to determine the presence and condition of suspect materials that were accessible and/or exposed. Materials which were visually similar in color, texture, and general appearance, and which appeared to have been installed at the same time were grouped into homogeneous sampling areas. Such materials are termed “homogeneous materials” by the EPA. During this walk-through, the approximate locations of the observed homogeneous materials were noted. Only materials that were accessible and/or exposed and suspected to contain asbestos were identified. Following the EPA inspection protocol, each identified suspect homogeneous material may be placed in one of the following EPA classifications:

- Surfacing Materials (spray or trowel applied to building members)
- Thermal System Insulation (materials generally applied to various mechanical systems)
- Miscellaneous Materials (any materials which do not fit either of the above categories)

Sampling Procedures

Following the visual survey, the inspector collected representative samples of exposed and/or accessible materials identified as suspect ACM. Sampling was limited to those accessible materials not involving wholesale destruction of walls, other building elements, physical barriers, or the structural integrity of the component being tested.

General EPA guidelines were used to determine the sampling protocol. Sampling locations were chosen to be representative of the homogeneous materials.

Quantification

Quantities of accessible and/or exposed building materials that were identified as suspect asbestos-containing materials were estimated. This estimation was conducted by taking approximate measurements in the field.

Quantities are estimates and should be confirmed by an engineering survey if demolition activities are contemplated. The level of detail provided by an engineering survey, which is required for a construction estimate, is beyond the scope of the present survey.

Material Assessment

The condition of the suspect material is an indication of the likelihood that it may release asbestos fibers into the environment. The combination of its current condition coupled with the potential for damage to the material in the future determines which EPA response priority is appropriate for that material.

The condition of each homogeneous suspect material identified within the facility was assessed using the EPA decision tree approach. The friability of each material was determined and then its condition and potential for future damage was assessed using the following criteria:

Source and type of damage
- Physical contact
- Water or air erosion
- Deterioration or material delamination
**Extent of damage:**
- Good: No damage or little damage
- Damaged: Less than 10% damage, evenly distributed over the entire material or less than 25% damage confined to a localized area of the material.
- Significantly damaged: 10% or more damage distributed evenly over the entire material or 25% or more damage within a localized area of the material

**Potential for future damage:**
- Frequency of access to material
- Height of material
- Location of material in a plenum
- Exposure of material
- Accessibility
- Presence in an area of air movement, vibrations, loud noises
# Section 4.0 Material Data Tables

## 4.1 (a) Suspect Material Data Table

<table>
<thead>
<tr>
<th>H O #</th>
<th>ACM</th>
<th>MATERIAL DESCRIPTION</th>
<th>CATEGORY</th>
<th>FRIABLE</th>
<th>QUANTITY SQ FT</th>
<th>NO SAMPLE TAKEN</th>
<th>PRESENT CONDITION</th>
<th>POTENTIAL FOR DISTURBANCE</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>POS</td>
<td>GRAY VINYL FLOOR TILES AND MASTICS</td>
<td>MISC</td>
<td>F</td>
<td>1,100 SQ FT</td>
<td>3</td>
<td>D</td>
<td>PSD</td>
<td>2% CHrysotile</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LOCATION: UNITS 1, 2, 3, 4, 5, 6, &amp; 7 &amp; ALL BATHROOMS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>NOTE: NOT ANALYZED – POSITIVE STOP. FLOOR TILES POSITIVE BY ASSOCIATION</td>
</tr>
<tr>
<td>22</td>
<td>ND</td>
<td>CEILING TILES</td>
<td>MISC</td>
<td>F</td>
<td>1,200 SQ FT</td>
<td>5</td>
<td>SD</td>
<td>PSD</td>
<td>ND</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LOCATION: CEILING AREAS ALL ROOMS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>NOTE:</td>
</tr>
<tr>
<td>40</td>
<td>POS</td>
<td>ROOFING MATERIALS</td>
<td>MISC</td>
<td>NF</td>
<td>1,200 SQ FT</td>
<td>3</td>
<td>SD</td>
<td>PSD</td>
<td>ND</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LOCATION: ROOF AREAS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>NOTE: TEM NEGATIVE</td>
</tr>
</tbody>
</table>

**Legend:**
- ACM: Asbestos Findings
  - P = Positive (%)
  - ND = Non Detect
- Category: (Surf) Surfacing, TSI, (MIS) Miscellaneous
- Present Condition:
  - G = Good (Very Localized Limited Damage)
  - LP Damaged (Damage < 10% Distributed or < 25% Localized)
  - SD = Significantly Damaged (Damage = OR > 10% Distributed / 25% Localized)
- Potential for Future Disturbances:
  - LPD = Potential for Disturbance (Contact/Vibration/Aerosol All of Low Concern)
  - PD = Potential for Damage (Contact/Vibration/Aerosol Erosion of Moderate Concern)
  - PSD = Potential for Significant Damage (Contact/Vibration/Aerosol Erosion of High Concern)
- HO# = Homogenous Area Number
### 4.2 Building Materials

**Project Name:** AS 1259 Multi-Unit Facility  
**Site:** 1411 Carver Street, Myrtle Beach, SC 29577  
**Inspector Name:** Richard A. Eason  
**Date:** 12 October 2012  
**Building Size:** 1,200 SQ FT

<table>
<thead>
<tr>
<th>BUILDING MATERIALS/CONSTRUCTION</th>
<th>SQ FT</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EXTERIOR</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>STRUCTURE:</td>
<td>1,200</td>
<td>CONCRETE BLOCK, CONCRETE FOUNDATION</td>
</tr>
<tr>
<td>EXTERIOR COVERING:</td>
<td></td>
<td>NONE</td>
</tr>
<tr>
<td>EXTERIOR COATING:</td>
<td></td>
<td>PAINT</td>
</tr>
<tr>
<td>DOORS:</td>
<td></td>
<td>WOOD - NO FIREPROOFING</td>
</tr>
<tr>
<td>WINDOWS:</td>
<td></td>
<td>METAL FRAME</td>
</tr>
<tr>
<td>ROOF MATERIALS:</td>
<td>1,200</td>
<td><em>BUILT UP</em> GRAVEL, *TAR, *FELT MOISTURE MEMBRANE, WOOD SUBSTRATE, WOOD SUPPORT</td>
</tr>
<tr>
<td>ROOF INSULATION:</td>
<td></td>
<td>NONE</td>
</tr>
<tr>
<td>EAVES:</td>
<td></td>
<td>NONE</td>
</tr>
<tr>
<td>ROOF DRAIN:</td>
<td></td>
<td>NONE</td>
</tr>
<tr>
<td><strong>INTERIOR</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FLOOR COVERING:</td>
<td>1,200</td>
<td>*VINYL TILES W/ *MASTIC (1,100 SQ FT) - EXPOSED CONCRETE.</td>
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<tr>
<td>WALL COVERING:</td>
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<td>&quot;CINDER BLOCK&quot; WITH PAINT - NO INSULATION</td>
</tr>
<tr>
<td>CEILING MATERIALS:</td>
<td>1,200</td>
<td>*CEILING TILES &amp; EXPOSED ROOF SUBSTRATE</td>
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<tr>
<td>FIREPROOFING:</td>
<td></td>
<td>NONE</td>
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<tr>
<td>FIRE DOORS:</td>
<td></td>
<td>NONE</td>
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<tr>
<td><strong>MECHANICAL</strong></td>
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</tr>
<tr>
<td>FURNACE/ BOILER JACKET:</td>
<td></td>
<td>NONE</td>
</tr>
<tr>
<td>EXHAUST BREECHING:</td>
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<td>NONE</td>
</tr>
<tr>
<td>PIPE INSULATION:</td>
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<td>NONE</td>
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<td>FITTING INSULATION:</td>
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<td>NONE</td>
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<tr>
<td>HEAT SHIELDS:</td>
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<td>NONE</td>
</tr>
<tr>
<td>EXPANSION TANK INSULATION:</td>
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<td>NONE</td>
</tr>
<tr>
<td>PIPE INSULATION:</td>
<td></td>
<td>PVC PIPING NO TSI</td>
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<tr>
<td>FITTING INSULATION:</td>
<td></td>
<td>NONE</td>
</tr>
<tr>
<td>HVAC DUCTWORK:</td>
<td></td>
<td>NONE - INDIVIDUAL WINDOW UNITS HAVE BEEN REMOVED</td>
</tr>
<tr>
<td>FLEX CONNECTORS:</td>
<td></td>
<td>NONE</td>
</tr>
</tbody>
</table>

**Note:** THERE WERE NO OTHER SUSPECT MATERIALS IDENTIFIED
## 4.3a Bulk Sample Data Table

**Project Name:** AS 1259 Multi-Unit Facility  
**Site:** 1411 Carver Street, Myrtle Beach, SC 29577  
**Building:** Total Building  
**Inspector Name:** Richard A. Eason  
**Date:** 12 October 2012  
**Inspection Date:** 10 October 2012

<table>
<thead>
<tr>
<th>LAB SAMPLE #</th>
<th>H#</th>
<th>ENVIRO SCAN SAMPLE #</th>
<th>ROOM #</th>
<th>DESCRIPTION</th>
<th>FRIABLE/ NON FRIABLE</th>
<th>ASBESTOS</th>
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</thead>
<tbody>
<tr>
<td>12-10-01612-001</td>
<td>1</td>
<td>HA1-4-F1</td>
<td>UNIT 4</td>
<td>GRAY FLOOR TILES WITH MASTIC</td>
<td>CAT 1 NF</td>
<td>2% CHRYSLITE</td>
</tr>
<tr>
<td>12-10-01612-002</td>
<td>1</td>
<td>HA1-4-F2</td>
<td>UNIT 4</td>
<td>GRAY FLOOR TILES WITH MASTIC</td>
<td>CAT 1 NF</td>
<td>2% CHRYSLITE</td>
</tr>
<tr>
<td>12-10-01612-003</td>
<td>21</td>
<td>HA21-4-C1</td>
<td>UNIT 4</td>
<td>CEILING TILES</td>
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<td>FRIABLE</td>
</tr>
<tr>
<td>12-10-01612-004</td>
<td>21</td>
<td>HA21-5-C2</td>
<td>UNIT 5</td>
<td>CEILING TILES</td>
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<td>ND</td>
</tr>
<tr>
<td>12-10-01612-005</td>
<td>21</td>
<td>HA21-3-C3</td>
<td>UNIT 3</td>
<td>CEILING TILES</td>
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<td>FRIABLE</td>
</tr>
<tr>
<td>12-10-01612-006</td>
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<td>HA21-6-C4</td>
<td>UNIT 6</td>
<td>CEILING TILES</td>
<td></td>
<td>ND</td>
</tr>
<tr>
<td>12-10-01612-007</td>
<td>21</td>
<td>HA21-6-C5</td>
<td>UNIT 6</td>
<td>CEILING TILES</td>
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<td>FRIABLE</td>
</tr>
<tr>
<td>12-10-01612-008</td>
<td>40</td>
<td>HA40-R1</td>
<td>ROOF AREA</td>
<td>ROOFING MATERIALS</td>
<td>NON-FRIABLE</td>
<td>ND</td>
</tr>
<tr>
<td>12-10-01612-009</td>
<td>40</td>
<td>HA40-R2</td>
<td>ROOF AREA</td>
<td>ROOFING MATERIALS</td>
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<td>ND</td>
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<tr>
<th>TEM ANALYSIS</th>
<th>1</th>
<th>HA1-3-F3</th>
<th>UNIT 3</th>
<th>GRAY FLOOR TILES WITH MASTIC</th>
<th>NOT ANALYZED-POSITIVE STOP</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEI</td>
<td>40</td>
<td>HA40-R3</td>
<td>ROOF AREA</td>
<td>ROOFING MATERIALS</td>
<td>NF</td>
</tr>
</tbody>
</table>

**TYPES OF ASBESTOS:**
- CHRY = CHRYSOTILE
- AMOS = AMOSITE
- CROC = CROCIDOLITE
- TREM = TREMOLITE
- SURF = SURFACING MATERIAL
- TSI = THERMAL SYSTEM INSULATION
- POSITIVE ACT = ACTINOLITE
- MISCELLANEOUS MATERIAL ND = NONE DETECTED
- NON-FRIABLE = NON-FRIABLE
- FRIABLE = FRIABLE
- CAT 1 NF = CAT 1 NF
- 2% CHRYSLITE = 2% CHRYSLITE
Section 5.0

Conclusion

A visual inspection and sampling survey of the Multi-Unit Facility was conducted in accordance with the Environmental Protection Agency (EPA) / Asbestos Hazard Emergency Response Act (AHERA) sampling guidelines to determine the presence of exposed and/or accessible suspect asbestos-containing materials.

Asbestos Containing Building Materials (ACBMs) were identified within the facility.

The Gray Vinyl Floor Tiles with associated Mastics (HA 1), found in all rooms and bathrooms (See Site Plan) contain asbestos. These materials, approximately 1,100 Sq Ft ± are classified as Non-Friable Asbestos Containing Building Materials (ACBMs) and will need to be removed prior to the start of demolition activities.

Bulk samples obtained from the facility were analyzed in the laboratory using Polarized Light Microscopy (PLM) with dispersion staining. The results of these analyses are presented in the Appendices of this report. Note: As required by regulatory protocols, one sample from each homogeneous area (HO), testing non-detect by PLM analysis, was submitted for analysis for asbestos mineral fibers by Transmission Electron Microscopy (TEM).

Section 6.0

Recommendations

It is recommended that notification of the presence of ACBMs be provided to personnel engaged in renovation and/or demolition activities within the structure.

If, during renovation/demolition activities suspect materials are found, immediately stop work and contact the undersigned.

Prior to any renovation/demolition activity, if needed, areas identified as containing ACBMs, which fall within the area to be renovated/demolished, should be identified and a suitable abatement plan developed.

Richard A. Eason
Richard A. Eason
Environmental Service Group
SC DHEC # BI 01133

1 IAW Section IV of SCDHEC Regulation 61-86.1 (Standards of Performance for Asbestos Projects did 28 June 1996)
Asbestos containing Floor Tiles and Mastic.

MULTI UNIT FACILITY
1413 CARVER STREET
MYRTLE BEACH, SC

DRAWN BY
R.E.

CHECKED BY
R.E.

DRAFTED
10/12/2012

PROJECT ID.
AS 1259

GRAPHIC - SITE PLAN
PHOTOGRAPHS

PHOTOGRAPHS
PICTURE 1 (HA 1) GRAY 9"x 9" *FLOOR TILES WITH *MASTIC – THROUGHOUT FACILITY.

PICTURE 2 (HA 21) 12"x12" *CEILING TILES, WOOD SUBSTRATE, NO INSULATION.

Photographs 1 of 2
PICTURE 3: NON-SUSPECT "CINDER BLOCK" WALLS. (HA 1) VINYL TILES.

PICTURE 4: ROOF MATERIALS. *TAR, *FELT MOISTURE BARRIER, WOOD SUBSTRATE. NO INSULATION WITH WOOD SUPPORT SYSTEM.
CHAIN OF CUSTODY AND LABORATORY RESULTS
Asbestos Bulk Analysis Report

Client: Environmental Service Group
P.O. Box 2798
Myrtle Beach, SC 29578

Report Number: 12-10-01612
Received Date: 10/11/2012
Analyzed Date: 10/11/2012
Reported Date: 10/12/2012

Project/Test Address: AS 1259 Multi-Unit Facility; 1411 Carver Street; Myrtle Beach, SC

Client Number: 42-6337

Fax Number: 843-448-0929

Laboratory Results

<table>
<thead>
<tr>
<th>Lab Sample Number</th>
<th>Client Sample Number</th>
<th>Layer Type</th>
<th>Lab Gross Description</th>
<th>Asbestos</th>
<th>Other Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-10-01612-001</td>
<td>HA1-4-F1</td>
<td>Black Tar-Like; Homogeneous</td>
<td>2% Chrysotile</td>
<td></td>
<td>5% Cellulose 93% Non-Fibrous</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Total Asbestos: 2%</td>
<td></td>
</tr>
<tr>
<td>12-10-01612-002</td>
<td>HA1-4-F2</td>
<td></td>
<td></td>
<td>Did Not Analyze (Positive Stop)</td>
<td></td>
</tr>
<tr>
<td>12-10-01612-003</td>
<td>HA21-4-C1</td>
<td>Brown Fibrous; White Brittle; Inhomogeneous</td>
<td>NAD</td>
<td></td>
<td>95% Cellulose 5% Non-Fibrous</td>
</tr>
<tr>
<td>12-10-01612-004</td>
<td>HA21-5-C2</td>
<td>Brown Fibrous; Homogeneous</td>
<td>NAD</td>
<td></td>
<td>95% Cellulose 5% Non-Fibrous</td>
</tr>
<tr>
<td>12-10-01612-005</td>
<td>HA21-3-C3</td>
<td>Brown Fibrous; White Brittle; Inhomogeneous</td>
<td>NAD</td>
<td></td>
<td>95% Cellulose 5% Non-Fibrous</td>
</tr>
<tr>
<td>Lab Sample Number</td>
<td>Client Sample Number</td>
<td>Layer Type</td>
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<td>------------------------------------</td>
<td>----------</td>
<td>-------------------------</td>
</tr>
<tr>
<td>12-10-01612-006</td>
<td>HA21-6-C4</td>
<td>Brown Fibrous; White</td>
<td>Brittle; Inhomogeneous</td>
<td>NAD</td>
<td>95% Cellulose; 5% Non-Fibrous</td>
</tr>
<tr>
<td>12-10-01612-007</td>
<td>HA21-6-C5</td>
<td>Brown Fibrous;</td>
<td>Homogeneous</td>
<td>NAD</td>
<td>95% Cellulose; 5% Non-Fibrous</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12-10-01612-008</td>
<td>HA40-R1</td>
<td>Black Tar-Like;</td>
<td>Homogeneous</td>
<td>NAD</td>
<td>12% Cellulose; 88% Non-Fibrous</td>
</tr>
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</tr>
<tr>
<td>12-10-01612-009</td>
<td>HA40-R2</td>
<td>Black Tar-Like;</td>
<td>Homogeneous</td>
<td>NAD</td>
<td>12% Cellulose; 88% Non-Fibrous</td>
</tr>
</tbody>
</table>
The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Each distinct component in an inhomogeneous sample was analyzed separately and reported as a composite. Results represent the analysis of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Service, L.L.C. California Certification #2319 NY ELAP #11714. All information concerning sampling location, date, and time can be found on Chain-of-Custody. Environmental Hazards Services, L.L.C. does not perform any sample collection.

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

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


---

**LEGEND:**

NAD = no asbestos detected
Date: 10/12/2012

Attention: Kathy Tyler
Environmental Hazards Services, L.L.C.

Subject: Analysis of air samples for asbestos mineral fibers by Transmission Electron Microscopy (TEM)

RE: AS 1259 Multi-Unit Facility; 1411 Carver Street, Myrtle Beach, SC

Dear Ms. Tyler:

CEI Labs has completed the analysis of the air samples we received from your office on October 12, 2012. These samples represent the TEM samples for AS 1259 Multi-Unit Facility, 1411 Carver Street, Myrtle Beach, SC project.

The TEM counting procedures described for the asbestos-containing materials in schools under the Asbestos Hazard Emergency Response Act (AHERA) were used during the analyses. Specifically, structures were counted in two categories: 0.5 to 5.0 micrometers in length and greater than 5 micrometers in length, which were added together for a total asbestos structure count.

The results for the one (1) sample provided is summarized on the attached report. Please note that the average number of asbestos structures per square millimeter (s/mm²) is estimated 11, which is below the specified clearance level of 70 s/mm² (40CFR Part 763).

Thank you for consulting CEI Labs. Should you have any questions concerning these results, please contact our office.

Sincerely,

[Signature]

Tianbao Bai, Ph.D.
Laboratory Director

CEI Labs, 107 New Edition Court, Cary, NC 27511, Phone: (866) 491-1412
Client: Environmental Hazards Services, L.L.C. 7469 Whitepine Road
Richmond, VA 23237

Project: AS 1259 Multi-Unit Facility; 1411 Carver Street,
Myrtle Beach, SC

CEI Lab Code: T12-0632
Date Received: 10-12-12
Date Analyzed: 10-12-12
Date Reported: 10-12-12

TEM BULK AHERA

<table>
<thead>
<tr>
<th>Client ID</th>
<th>Volume (Liters)</th>
<th>Area Analyzed mm²</th>
<th>Analytical Sensitivity S/cc</th>
<th>Asbestos Sensitivity Type</th>
<th>Asbestos Structures ≤5 μm 0.5 - &lt;5.0 μm</th>
<th>Asbestos Concentration S/mm² S/cc</th>
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</thead>
<tbody>
<tr>
<td>HA 40-R3</td>
<td>1800</td>
<td>0.0392</td>
<td>0.005</td>
<td>None</td>
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<td>0</td>
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<tr>
<td>T03110</td>
<td></td>
<td></td>
<td></td>
<td>Detected</td>
<td></td>
<td>&lt;25.5</td>
</tr>
</tbody>
</table>

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ANALYST: Kamila Reichert
APPROVED BY: Tianbao Bai, Ph.D.
Laboratory Director