Roanoke County Schools

Three Year AHERA Reinspection

Glenvar Middle School
Facility 034

Reinspection Date:
February 12, 2008

Baratta & Associates, Inc
PO Box 293
Vinton, Virginia 24179
540-890-4875

Michael Baratta, PE
Virginia Asbestos Inspector License: 3303-000065
Virginia Asbestos Management Planner License: 3304-000208
Baratta & Associates, Inc.

Virginia Department of Education
Energy and Facilities Service

LEA  Roanoke County Schools
School  034 Glenvar Middle School
Building  Main

**SCHOOL BUILDINGS**

<table>
<thead>
<tr>
<th>Building Name</th>
<th>Location</th>
<th>Check here for the presence of:</th>
<th>No ACBM</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>ACBM</td>
<td>Suspect ACBM</td>
</tr>
<tr>
<td>034 Glenvar Middle School</td>
<td>455 Malus Drive</td>
<td>Salem, VA 24153</td>
<td>X</td>
</tr>
</tbody>
</table>

Inspector:
Name: Michael Baratta  Signature  Date 2/25/09
Accreditation Number: 3303 000065  Agency: Virginia DPOR
Glenvar Middle School was built in 1996 and 2001. We assumed that no ACMs were used in its construction. Fiberglass TSI was observed throughout the building. We obtained several samples of the lay-in ceiling panels (LICs) as they were the most friable potentially suspect materials observed.

<table>
<thead>
<tr>
<th>Homogeneous Area</th>
<th>Material</th>
<th>Sample Number</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>LIC 2' x 2', random pattern</td>
<td>B1</td>
<td>132, center of room</td>
</tr>
<tr>
<td></td>
<td></td>
<td>B2</td>
<td>225, center of room</td>
</tr>
<tr>
<td>02</td>
<td>LIC 2' x 2', textured with revealed edge</td>
<td>B3</td>
<td>Mechanical Room 232, stored material</td>
</tr>
<tr>
<td></td>
<td></td>
<td>B4</td>
<td>Hall at 120</td>
</tr>
</tbody>
</table>

Name: Michael Baratta  
Signature:  
Accreditation Number: 3303 000065  
Agency: Virginia DPOR
HA-01 LIC 2’x2’, random pattern
Samples B1, B2
HA-02 LIC 2’x2’, textured with revealed edge
Samples B3, B4

Positive Samples in **Bold**
AHERA Three Year Inspection
Glenvar Middle School
Roanoke County Schools
Sample date:

Building 034
Sample Locations
L001
February 12, 2008

HA-01 LIC 2'x2' random pattern
Samples B1, B2

HA-02 LIC 2'x2', textured with revealed edge
Samples B3, B4

Positive Samples in **Bold**
Virginia Department of Education Energy and Facilities Services

LEA: Roanoke County Schools
School: 034 Glenvar Middle School
Building: Main
Sample Date: February 12, 2008
Analysis Date: February 13, 2008
Analysis Method: PLM EPA 6000/M4-82-020

### BULK SAMPLE ANALYSIS

<table>
<thead>
<tr>
<th>Homogeneous Area</th>
<th>Sample Number</th>
<th>Material</th>
<th>Asbestos Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>B1</td>
<td>LIC 2’ x 2’, random pattern</td>
<td>NAD</td>
</tr>
<tr>
<td></td>
<td>B2</td>
<td></td>
<td>NAD</td>
</tr>
<tr>
<td>02</td>
<td>B3</td>
<td>LIC 2’ x 2’, textured with revealed edge</td>
<td>NAD</td>
</tr>
<tr>
<td></td>
<td>B4</td>
<td></td>
<td>NAD</td>
</tr>
</tbody>
</table>

NAD – no asbestos detected

See attached AmeriSci PLM Bulk Asbestos Report Number 108021378

Name: Michael Baratta  Signature:  Date: 2/27/09
Accreditation Number: 3303 000065  Agency: Virginia DPOR
# PLM Bulk Asbestos Report

**Baratta & Associates, Inc.**  
**Attn:** Michael Baratta  
**1150 Shady Run Road**  
**Vinton, VA 24179**

**AmeriSci Richmond**  
**13635 GENITO ROAD**  
**MIDLOTHIAN, VIRGINIA 23112**  
**TEL: (804) 763-1200 • FAX: (804) 763-1800**

**Date Received:** 02/13/08  
**AmeriSci Job #:** 108021378  
**Date Examined:** 02/13/08  
**P.O. #:**  
**Page 1 of 2**  
**RE: L001; Glenvar Middle School**

<table>
<thead>
<tr>
<th>Client No. / HGA</th>
<th>Lab No.</th>
<th>Asbestos Present</th>
<th>Total % Asbestos</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1</td>
<td>108021378-01</td>
<td>No</td>
<td>NAD</td>
</tr>
<tr>
<td><strong>Location:</strong> Lay-In-Ceiling</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| **Analyst Description:** Gray, Heterogeneous, Fibrous, Bulk Material  
**Asbestos Types:**  
**Other Material:** Cellulose 30%, Fibrous glass 40%, Non-fibrous 30%  
| B2               | 108021378-02  | No               | NAD              |
| **Location:** Lay-In-Ceiling |            |                  |                  |
| **Analyst Description:** Gray, Heterogeneous, Fibrous, Bulk Material  
**Asbestos Types:**  
**Other Material:** Cellulose 30%, Fibrous glass 40%, Non-fibrous 30%  
| B3               | 108021378-03  | No               | NAD              |
| **Location:** Lay-In-Ceiling |            |                  |                  |
| **Analyst Description:** Gray, Heterogeneous, Fibrous, Bulk Material  
**Asbestos Types:**  
**Other Material:** Cellulose 30%, Fibrous glass 40%, Non-fibrous 30%  
| B4               | 108021378-04  | No               | NAD              |
| **Location:** Lay-In-Ceiling |            |                  |                  |
| **Analyst Description:** Gray, Heterogeneous, Fibrous, Bulk Material  
**Asbestos Types:**  
**Other Material:** Cellulose 25%, Fibrous glass 50%, Non-fibrous 25%  

See Reporting notes on last page
PLM Bulk Asbestos Report
L001; Glenvan Middle School

Reporting Notes:

Analyzed by: William M. Dunstan Date _______________

*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CTE = 1%, 400 PT Ct = 0.25%, 1000 PT Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive spot; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 par 40 CFR 793 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples (198.6 for NOB samples) (NYSDCH ELAP Lab # 10884); CA ELAP Lab # 2088; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By: ________________________________
**REASSESSMENT OF MATERIALS**

Past or Initial Assessment: Hall-Kimbrell April 1989

<table>
<thead>
<tr>
<th>Homogeneous Area</th>
<th>Description</th>
<th>Past Assessment Category #</th>
<th>Reassessment Category #</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>LIC 2' x 2', random pattern</td>
<td>Not evaluated</td>
<td>Non-ACM</td>
</tr>
<tr>
<td>02</td>
<td>LIC 2' x 2', textured with revealed edge</td>
<td>Not evaluated</td>
<td>Non-ACM</td>
</tr>
</tbody>
</table>

AHERA - Physical Assessment Categories - 763.88(a)(2)(b)
1. Damaged or significantly damaged TSI-ACBM
2. Damaged friable surfacing ACBM
3. Significantly damaged friable surfacing ACBM
4. Damaged or significantly damaged friable miscellaneous ACBM
5. ACBM with potential for damage
6. ACBM with potential for significant damage
7. Any remaining friable ACBM or friable suspect ACBM

Inspector: Michael Baratta  
Name: Michael Baratta  
Signature:  
Date: 2/25/90  
Accreditation Number: 3303 000065  
Agency: Virginia DPOR
Virginia Department of Education  
Energy and Facilities Service  

LEA Roanoke County Schools  
School 034 Glenvar Middle School  
Building:  
Total cost to remove $0.00

**RESPONSE ACTIONS RECOMMENDED**

<table>
<thead>
<tr>
<th>Each Location</th>
<th>Recommended Response Actions</th>
<th>Scheduled To Begin</th>
<th>Scheduled To Be Completed</th>
<th>Est. Cost To Remove</th>
</tr>
</thead>
<tbody>
<tr>
<td>none</td>
<td></td>
<td></td>
<td></td>
<td>$0.00</td>
</tr>
</tbody>
</table>

Management Planner:
Name: Michael Baratta  
Signature  
Accreditation Number: 3304 000208  
Agency: Virginia DPOR
ASBESTOS MANAGEMENT, OPERATIONS AND MAINTENANCE PLAN

Glenvar Middle School
February 23, 2008

This Asbestos Management Operations and Maintenance Plan is based on the three year AHERA Reinspection performed by Baratta & Associates, Inc on February 12, 2008. It covers procedures to be followed in dealing with the Asbestos-Containing Materials (ACMs) found in the Glenvar Middle School.

SUMMARY

Glenvar Middle School was built in 1996 and 2001. We assumed no ACMs were used in its construction.

Non-suspect fiberglass thermal system insulation (TSI) was noted throughout the facility.

Samples from the more friable lay-in ceiling tiles (LICs) tested no asbestos detected.

RECOMMENDED ASBESTOS RELATED PROCEDURES

No asbestos related procedures are present at this time.

Should additional suspect materials be damaged or if they are questioned, we recommend they be sampled and tested for asbestos mineral content. The results of these tests will dictate what, if any, response actions are applicable.