

# Roanoke County Schools

## Three Year AHERA Reinspection

### Northside Middle School Facility 008

Reinspection Date: January 23, 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 Northside Middle School  
Building Main

Building Name	Location	Check here for the presence of:				No ACBM
		ACBM		Suspect ACBM		
		Friable	Non- friable	Friable	Non- friable	
Northside Middle School (008)	6810 Northside High School Road	X	X			

Inspector:

Name: Michael Baratta Signature



Date 2/7/09

Accreditation Number: 3303 000065 Agency: Virginia DPOR

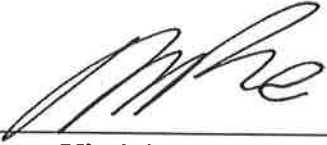
Virginia Department of Education  
Energy and Facilities Services

LEA Roanoke County Schools  
School: 008 Northside Middle School  
Building: Main Building

DETERMINATION OF EACH  
SAMPLE AREA

H-K gave ambiguous descriptions of the lay-in ceiling tiles 04 and 05. BAI subdivided the H-K homogeneous areas and resampled these materials in January 2008. New homogeneous areas (ACT) 09 and 010 (mastic) discovered in Band Room in January 2008

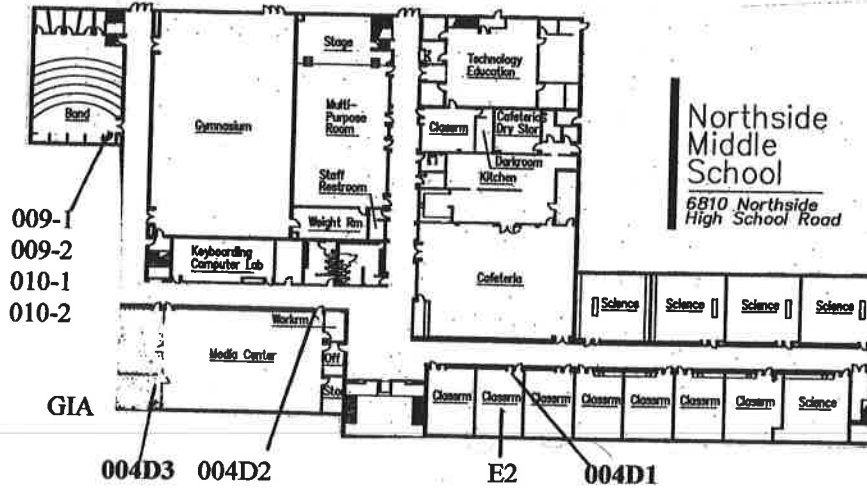
Homogeneous Area	Material	Sample Number	Location
04A	LIC 2' x 4', long holes parallel to short side, Room A7	004A1	A7 at hall door
		004A2	A7 center of room
		004A3	A7 NE corner
04B	LIC 2' x 4', long holes parallel to short side, First Floor	004B1	Hall at office door
		004B2	A6 at hall door
		004B3	D3 at hall door
04C	LIC 2' x 4', Random Pattern, First Floor	004C1	Hall, center of W wall
		004C2	C10 at hall door
		004C3	C8 at hall door
04D	LIC 2' x 4', long holes parallel to short side, Second Floor	004D1	Hall at E2
		004D2	Media Center at E hall door
		004D3	G1 A at door to Media Center
09	ACT 12"x 12", perforated (Band Room)	009-1	Band Room, SE corner
		009-2	Band Room, SE corner
010	Mastic for HA-009	010-1	Band Room, SE corner
		010-2	Band Room, SE corner

Name: Michael Baratta Signature  Date 2/7/08  
Accreditation Number: 3303 000065 Agency: Virginia DPOR

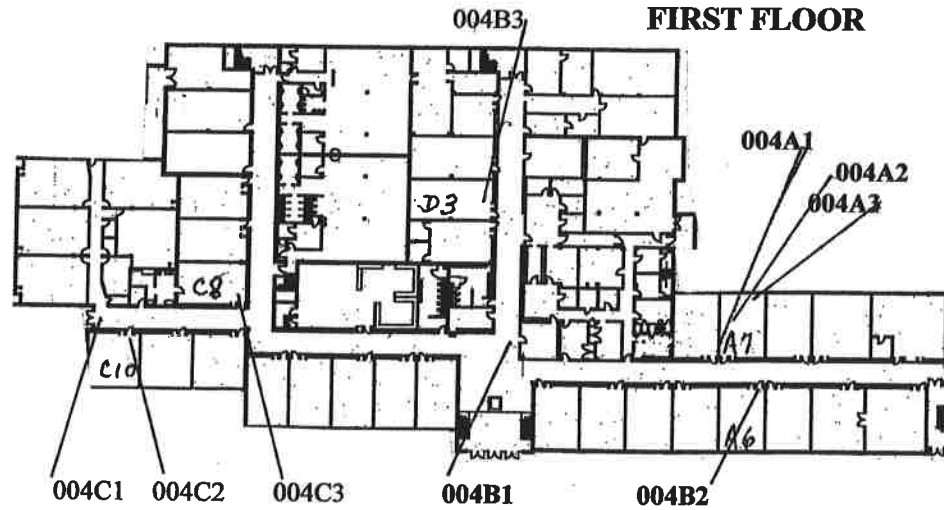
**BARATTA & ASSOCIATES, INC.**  
 Inspection Engineers  
 P.O. Box 293  
 Vinton, VA 24179

AHERA Three Year Inspection Building 008  
 Northside Middle School Sample Locations  
 Client: Roanoke County Schools L001  
 Sample date: January 23, 2008 Scale: none

**SECOND FLOOR**



**FIRST FLOOR**



004A LIC holes parallel to short side in Room A7  
 Samples 004A1, 004A2, 004A3

009 ACT, 12"x12" perforated  
 Samples 009-1, 009-2

004B LIC holes parallel to short side on First Floor  
 Samples 004B1, 004B2 and 004B3

010 Mastic for 009, tan  
 Samples 010-1, 010-2

004C LIC random pattern on First Floor  
 Samples 004C1, 004C2, and 004C3

004D LIC parallel to short side on Second Floor  
 Samples 004D1, 004D2 and 004D3

**\*Positive samples are in bold**

Virginia Department of Education  
Energy and Facilities Services

LEA Roanoke County Schools  
School: 008 Northside Middle School  
Building: Main Building  
Sample Date: January 23, 2008  
Analysis Date: January 24, 2008  
Analysis Method: PLM EPA 6000/M4-82-020

Document E.1

**BULK SAMPLE ANALYSIS**

Homogeneous Area	Sample Number	Material	Asbestos Content
04A	004A1	LIC 2' x 4', long holes parallel to short side	2 % chrysotile 2 % amosite
	004A2	Room A7	4 % chrysotile
	004A3		4 % chrysotile
04B	004B1	LIC 2' x 4', long holes parallel to short side	2 % chrysotile 2 % amosite
	004B2	First Floor	4 % amosite
	004B3		NAD
04C	004C1	LIC 2' x 4', random pattern	NAD
	004C2	First Floor	NAD
	004C3		NAD
04D	004D1	LIC 2' x 4', long holes parallel to short side	2 % chrysotile 2 % amosite
	004D2	Second Floor	NAD
	004D3		2 % chrysotile 2 % amosite
09	009-1	ACT 12"x 12", perforated (Band Room)	NAD
	009-2		NAD
010	010-1	Mastic for HA-09	NAD
	010-2		NAD

NAD -- no asbestos detected

See attached AmeriSci PLM Bulk Asbestos Report Number 108011565

Name: Michael Baratta Signature 

Date 2/2/09

Accreditation Number: 3303 000065 Agency: Virginia DPOR



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

## PLM Bulk Asbestos Report

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

Date Received 01/24/08 AmeriSci Job # 108011565  
Date Examined 01/24/08 P.O. #  
Page 1 of 4  
RE: L001; Northside Middle School; Ahera

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
004A1 Location: Lay-In-Ceiling A7	108011565-01	Yes	4 % (by CVES) by William M. Dunstan on 01/24/08
<b>Analyst Description:</b> Gray, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> Chrysotile 2.0 %, Amosite 2.0 % <b>Other Material:</b> Fibrous glass 85 %, Non-fibrous 11 %			
004A2 Location: Lay-In-Ceiling A7	108011565-02	Yes	4 % (by CVES) by William M. Dunstan on 01/24/08
<b>Analyst Description:</b> Gray, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> Chrysotile 4.0 %, Amosite <1. % <b>Other Material:</b> Fibrous glass 85 %, Non-fibrous 11 %			
004A3 Location: Lay-In-Ceiling A7	108011565-03	Yes	4 % (by CVES) by William M. Dunstan on 01/24/08
<b>Analyst Description:</b> Gray, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> Chrysotile 4.0 %, Amosite <1. % <b>Other Material:</b> Fibrous glass 85 %, Non-fibrous 11 %			
004B1 Location: Lay-In-Ceiling LHSS1	108011565-04	Yes	4 % (by CVES) by William M. Dunstan on 01/24/08
<b>Analyst Description:</b> Gray, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> Chrysotile 2.0 %, Amosite 2.0 % <b>Other Material:</b> Fibrous glass 85 %, Non-fibrous 11 %			
004B2 Location: Lay-In-Ceiling LHSS1	108011565-05	Yes	4 % (by CVES) by William M. Dunstan on 01/24/08
<b>Analyst Description:</b> Gray, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> Amosite 4.0 % <b>Other Material:</b> Fibrous glass 85 %, Non-fibrous 11 %			

See Reporting notes on last page

Client Name: Baratta &amp; Associates, Inc.

**PLM Bulk Asbestos Report**

L001; Northside Middle School; Ahera

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
004B3 Location: Lay-In-Ceiling LHSS1	108011565-06	No	NAD (by CVES) by William M. Dunstan on 01/24/08
<b>Analyst Description:</b> Gray, Heterogeneous, Fibrous, Bulk Material			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Cellulose 30 %, Fibrous glass 40 %, Non-fibrous 30 %			
004C1 Location: Lay-In-Ceiling Random 1	108011565-07	No	NAD (by CVES) by William M. Dunstan on 01/24/08
<b>Analyst Description:</b> Gray, Heterogeneous, Fibrous, Bulk Material			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Cellulose 30 %, Fibrous glass 40 %, Non-fibrous 30 %			
004C2 Location: Lay-In-Ceiling Random 1	108011565-08	No	NAD (by CVES) by William M. Dunstan on 01/24/08
<b>Analyst Description:</b> Gray, Heterogeneous, Fibrous, Bulk Material			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Cellulose 30 %, Fibrous glass 40 %, Non-fibrous 30 %			
004C3 Location: Lay-In-Ceiling Random 1	108011565-09	No	NAD (by CVES) by William M. Dunstan on 01/24/08
<b>Analyst Description:</b> Gray, Heterogeneous, Fibrous, Bulk Material			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Cellulose 30 %, Fibrous glass 40 %, Non-fibrous 30 %			
004D1 Location: Lay-In-Ceiling LHSS 2	108011565-10	Yes	4 % (by CVES) by William M. Dunstan on 01/24/08
<b>Analyst Description:</b> Gray, Heterogeneous, Fibrous, Bulk Material			
<b>Asbestos Types:</b> Chrysotile 2.0 %, Amosite 2.0 %			
<b>Other Material:</b> Fibrous glass 85 %, Non-fibrous 11 %			
004D2 Location: Lay-In-Ceiling LHSS 2	108011565-11	No	NAD (by CVES) by William M. Dunstan on 01/24/08
<b>Analyst Description:</b> Gray, Heterogeneous, Fibrous, Bulk Material			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Cellulose 30 %, Fibrous glass 40 %, Non-fibrous 30 %			

See Reporting notes on last page

# PLM Bulk Asbestos Report

L001; Northside Middle School; Ahera

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
004D3 Location: Lay-In-Ceiling LHSS 2	108011565-12	Yes	4 % (by CVES) by William M. Dunstan on 01/24/08
<b>Analyst Description:</b> Gray, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> Chrysotile 2.0 %, Amosite 2.0 % <b>Other Material:</b> Fibrous glass 85 %, Non-fibrous 11 %			
009-1 Location: Acoustic Ceiling Tile	108011565-13	No	NAD (by CVES) by William M. Dunstan on 01/24/08
<b>Analyst Description:</b> Gray, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 15 %, Fibrous glass 80 %, Non-fibrous 5 %			
009-2 Location: Acoustic Ceiling Tile	108011565-14	No	NAD (by CVES) by William M. Dunstan on 01/24/08
<b>Analyst Description:</b> Gray, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 15 %, Fibrous glass 80 %, Non-fibrous 5 %			
010-1 Location: Acoustic Ceiling Tile Mastic	108011565-15	No	NAD (by CVES) by William M. Dunstan on 01/24/08
<b>Analyst Description:</b> Brown, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Fibrous Talc Trace, Non-fibrous 100 %			
010-2 Location: Acoustic Ceiling Tile Mastic	108011565-16	No	NAD (by CVES) by William M. Dunstan on 01/24/08
<b>Analyst Description:</b> Brown, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Fibrous Talc Trace, Non-fibrous 100 %			



Client Name: Baratta & Associates, Inc.

## PLM Bulk Asbestos Report

L001; Northside Middle School; Ahera

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### Reporting Notes:

Analyzed by: William M. Dunstan

Date

1/25/08

\*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 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 stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples (198.6 for NOB samples)(NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; 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: \_\_\_\_\_

**Baratta & Associates, Inc.**  
 P.O. Box 293  
 Vinton, Virginia

LEA Roanoke County Schools  
 School 008 Northside Middle School  
 Building Main Building

**REASSESSMENT OF MATERIALS**

Past or Initial Assessment: Hall-Kimbrell April 1989

H-K gave ambiguous descriptions of the lay-in ceiling tiles 04 and 05. BAI subdivided the H-K homogeneous areas (04A, B, C, D) and resampled these materials in January 2008. New homogeneous areas ACT (09) and Mastic (010) discovered in Band Room in January 2008

Homogeneous Area	Description	Past Assessment Category #	Reassessment Category #
04A	Ceiling Material LIC 2' x 4 long holes parallel to short side (Room A7)	5	4
04B	Ceiling Material LIC 2' x 4 long holes parallel to short side (first floor)	5	4
04C	Ceiling Material LIC 2' x 4 random pattern	5	Non-ACM
04D	Ceiling Material LIC 2' x 4 long holes parallel to short side (second floor)	5	4
06	Floor Material, floor tiles 9" x 9" tan	5	5
07	Transite Siding	5	removed
08	Floor Material, floor tiles 9" x 9" white & brown	5	5
09	ACT 12"x 12" perforated in Band Room	N/A	Non-ACM
010	Mastic for HA-09	N/A	Non-ACM

**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:

Name: Michael Baratta Signature  Date 2/7/08

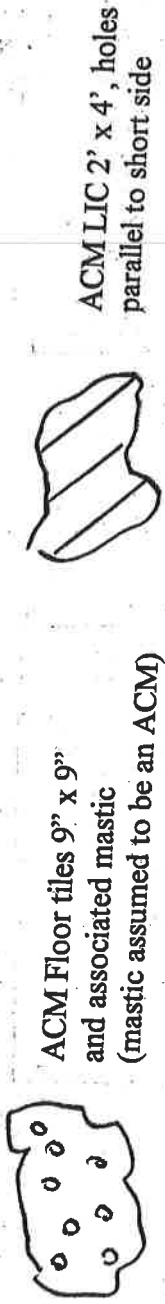
Accreditation Number: 3303 000065 Agency: Virginia DPOR

LOCATION OF ACBMs Northside Middle School

First Floor

Scale: none

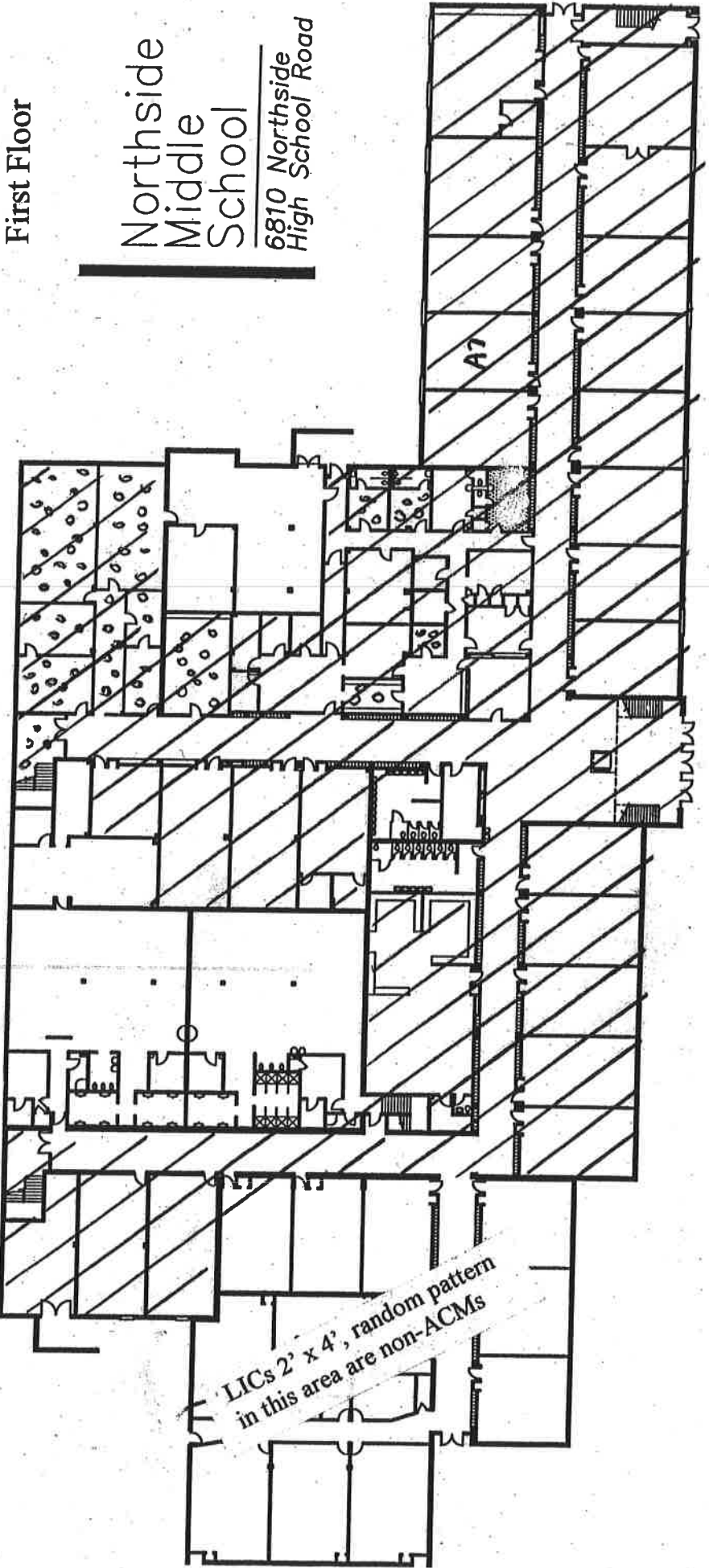
Reinspection Dates Jan. 22 & 23, 2008



First Floor

Northside Middle School

6810 Northside High School Road



LICs 2' x 4', random pattern in this area are non-ACMs



Virginia Department of Education  
Energy and Facilities Service


LEA Roanoke County Schools  
School Northside Middle School  
Building Main

**RESPONSE ACTIONS  
RECOMMENDED**

Total cost to remove \$80,000

Each Location	Recommended Response Actions	Scheduled To Begin	Scheduled To Be Completed	Est. Cost To Remove
Floor tile and mastic 06 & 08	Place in O & M Plan until removed	none	none	5,000
Lay-in Ceiling Panels* (LIC) 04A, 04B, 04D	Place in O & M Plan until removed	none	none	75,000

\* LIC 2' x 4' long holes parallel to short side

Management Planner:  
Name: Michael Baratta Signature  Date 2/2/09  
Accreditation Number: 3304 000208 Agency: Virginia DPOR

# ASBESTOS MANAGEMENT, OPERATIONS AND MAINTENANCE PLAN

Northside Middle School  
January 26, 2008

This Asbestos Management Operations and Maintenance Plan is based on the three year AHERA Reinspection performed by Baratta & Associates, Inc on January 22 and 23, 2008. It covers procedures to be followed in dealing with the Asbestos-Containing Materials (ACMs) found in the Northside Middle School.

## SUMMARY

The 9" x 9" floor tiles and most of the lay-in ceiling tiles (LICs) are deemed Asbestos Containing Materials (ACMs). The floor tile mastic is assumed to be an ACM as well.

All ACMs are in good condition. They do not currently present an asbestos related health risk to building occupants in their current condition.

Any damaged ceilings or floor tiles should be reported to the Principal so appropriate action can be taken.

## STAFF NOTIFICATION

The School should send all staff members a brief notice stating that Asbestos-Containing Materials exist in this building

## ACM IDENTIFICATION

The following products were found to be Asbestos-Containing Materials (ACMs):

HA Number	Material
04A	Ceiling Material LIC 2' x 4 long holes parallel to short side (Room A7)
04B	Ceiling Material LIC 2' x 4 long holes parallel to short side (first floor)
04D	Ceiling Material LIC 2' x 4 long holes parallel to short side (second floor)
06	Floor Material, floor tiles 9" x 9" tan
08	Floor Material, floor tiles 9" x 9" white & brown

## **CARE OF THE FLOOR TILES**

No drilling, sanding, or other abrasive or penetrating activities shall be used on the asbestos containing floor tiles. To do so may release asbestos fibers into the environment.

The flooring is tough and non-friable. It is doubtful anything other than forceful vandalism will deteriorate this material to a point where significant fiber release will occur.

## **CARE OF THE LAY-IN CEILING TILES (LICs)**

Do not hang any items from the ceiling. In addition, discourage the children from poking or throwing objects at the LICs.

The LICs are also susceptible to damage caused by water leaking on it from above. Please report any water stains to the asbestos coordinator so the matter can be investigated.

Any damaged ceiling tiles should be replaced by qualified personnel.

## **PERMIT REQUIREMENTS**

Before any work that may require the disturbance of the noted Asbestos Containing Materials is performed, maintenance personnel or contractors shall obtain an Asbestos Work Area Permit from the School System's Asbestos Program Manager.