

BCM Engineers, Inc.  
262 Glenwood Street  
P. O. Box 1784  
Mobile, AL 36633  
(205) 433-0517

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY  
EPA-600/M4-82-020

Client: State of Louisiana                      Project Manager: B. Britain  
Description: State I. D. 00833                  Project Number: 05-7910-06-644

Sample I.D.

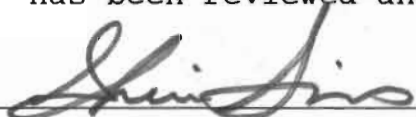
00833 001	00833 002	00833 004	00833 005
00833 006	00833 007	00833 008	00833 009
00833 010	00833 011	00833 015	00833 016
00833 017	00833 018	00833 019	00833 020
00833 021	00833 021.1	00833 035	00833 036

Note: These samples have been analyzed and reviewed in accordance with the EPA Test Method "EPA-600/M4-82-020" and the NIST "Bulk Asbestos Handbook". The reported analytical results relate only to the material submitted for testing.

Finely milled asbestos was commonly used in vinyl floor tiles and textured paints. The fiber size in these products is frequently below the detection limits of polarized light microscopy. Since there is no EPA approved methodology for the analysis of asbestos in floor tile, none detected (ND) results are rendered inconclusive. When trace amounts of asbestos are found as an inherent part of the sample, the BCM Laboratory recommends verification by an alternate method such as Transmission Electron Microscopy (TEM). Trace (TR) is defined as less than one percent asbestos.

The BCM Laboratory has successfully participated in the EPA Interim Asbestos Bulk Sample Quality Control Program and is certified by the National Institute of Standards and Technology (NIST), National Voluntary Laboratory Accreditation Program (NVLAP). In addition, the BCM Laboratory maintains a quality control program which is committed to reanalyzing at least fifteen percent of all samples submitted for testing. The signature below certifies that all data has been reviewed and monitored for quality assurance.

QA Review



Date

10/26/92

BCM Engineers, Inc.  
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BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY  
EPA-600/M4-82-020

Client: State of Louisiana                      Project Manager: B. Britain  
Description: State I. D. 00833                  Project Number: 05-7910-06-644

Sample I.D.

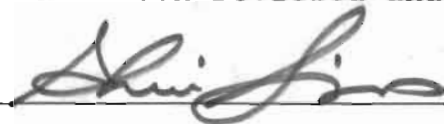
00833 037                  00833 038                  00833 039                  00833 040

Note:                  These samples have been analyzed and reviewed in accordance with the EPA Test Method "EPA-600/M4-82-020" and the NIST "Bulk Asbestos Handbook". The reported analytical results relate only to the material submitted for testing.

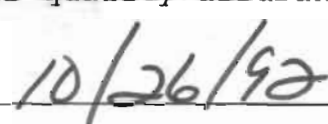
Finely milled asbestos was commonly used in vinyl floor tiles and textured paints. The fiber size in these products is frequently below the detection limits of polarized light microscopy. Since there is no EPA approved methodology for the analysis of asbestos in floor tile, none detected (ND) results are rendered inconclusive. When trace amounts of asbestos are found as an inherent part of the sample, the BCM Laboratory recommends verification by an alternate method such as Transmission Electron Microscopy (TEM). Trace (TR) is defined as less than one percent asbestos.

The BCM Laboratory has successfully participated in the EPA Interim Asbestos Bulk Sample Quality Control Program and is certified by the National Institute of Standards and Technology (NIST), National Voluntary Laboratory Accreditation Program (NVLAP). In addition, the BCM Laboratory maintains a quality control program which is committed to reanalyzing at least fifteen percent of all samples submitted for testing. The signature below certifies that all data has been reviewed and monitored for quality assurance.

QA Review



Date



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VOL

**BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY**  
**EPA-600/M4-82-020**

Client : State of Louisiana

Project Manager: B. Britain

Description: State I. D. 00833

Project Number : 05-7910-06-644

BCM ID  
102192-0249

SAMPLE ID  
00833 001

ANALYSIS DATE  
10/23/92

ANALYST  
S. Brown

**SAMPLE DESCRIPTION**

Homogeneous tan granular and vinyl  
-like floor tile.

**TREATMENT METHOD**

1. THF
- 2.
- 3.

**ASBESTOS PRESENT**

<u>Chrysotile</u> 2-4%	<u>Amosite</u> ND	<u>Other</u> ND	<u>Other</u> ND	<u>Total</u> 2-4%
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**NONASBESTOS FIBERS**

1. Fibrous Glass : ND	3. Cellulose : TR	5. Other : ND
2. Syn. Fiber : ND	4. Other : ND	6. Other : ND

**NONFIBROUS COMPONENTS**

1. Filler/Binder : 48%	4. Mica : TR	7. Amphibole : TR
2. Quartz : 5%	5. Perlite : ND	8. Styrofoam : ND
3. Carbonate : 40%	6. Filter : ND	9. Other : ND

**COMMENTS**

There was not enough mastic present on the floor tile to properly analyze.

NOTE: The reported results relate only to the material submitted for testing. This report may not be used to claim product endorsement by NVLAP or any agency of the Federal Government.

ANALYST SIGNATURE

*Shane Brown / a.c.*

DATE

*10/26/92*

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**BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY**  
**EPA-600/M4-82-020**

Client : State of Louisiana

Project Manager: B. Britain

Description: State I. D. 00833

Project Number : 05-7910-06-644

<u>BCM ID</u>	<u>SAMPLE ID</u>	<u>ANALYSIS DATE</u>	<u>ANALYST</u>
102192-0250	00833 002	10/23/92	S. Brown

**SAMPLE DESCRIPTION**

Homogeneous black tar mastic.

**TREATMENT METHOD**

1. Xylene
- 2.
- 3.

**ASBESTOS PRESENT**

<u>Chrysotile</u> 2-4%	<u>Amosite</u> ND	<u>Other</u> ND	<u>Other</u> ND	<u>Total</u> 2-4%
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**NONASBESTOS FIBERS**

1. Fibrous Glass : ND	3. Cellulose : TR	5. Other : ND
2. Syn. Fiber : ND	4. Other : ND	6. Other : ND

**NONFIBROUS COMPONENTS**

1. Filler/Binder : 85%	4. Mica : TR	7. Amphibole : TR
2. Quartz : 2-4%	5. Perlite : ND	8. Styrofoam : ND
3. Carbonate : 2-4%	6. Filter : ND	9. Other : ND

**COMMENTS**

Per request, the floor tile was not analyzed.

NOTE: The reported results relate only to the material submitted for testing. This report may not be used to claim product endorsement by NVLAP or any agency of the Federal Government.

ANALYST SIGNATURE

Shane Brown / s.c. e.m. DATE 10/26/92

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VOL

**BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY**  
**EPA-600/M4-82-020**

Client : State of Louisiana

Project Manager: B. Britain

Description: State I. D. 00833

Project Number : 05-7910-06-644

BCM ID  
102192-0252

SAMPLE ID  
00833 004

ANALYSIS DATE  
10/23/92

ANALYST  
S. Brown

**SAMPLE DESCRIPTION**

Homogeneous white plaster-like material with a fibrous layer and white paint.

**TREATMENT METHOD**

1. Diluted HCl
- 2.
- 3.

**ASBESTOS PRESENT**

Chrysotile  
ND

Amosite  
ND

Other  
ND

Other  
ND

Total  
ND

**NONASBESTOS FIBERS**

1. Fibrous Glass : TR	3. Cellulose : 15%	5. Other : ND
2. Syn. Fiber : ND	4. Other : ND	6. Other : ND

**NONFIBROUS COMPONENTS**

1. Filler/Binder : 53%	4. Mica : TR	7. Amphibole : TR
2. Quartz : 2-4%	5. Perlite : ND	8. Styrofoam : ND
3. Carbonate : 25%	6. Filter : ND	9. Other : ND

**COMMENTS**

None

NOTE: The reported results relate only to the material submitted for testing. This report may not be used to claim product endorsement by NVLAP or any agency of the Federal Government.

ANALYST SIGNATURE

*Shane Brown / ac*

DATE

*10/26/92*

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**BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY**  
**EPA-600/M4-82-020**

Client : State of Louisiana

Project Manager: B. Britain

Description: State I. D. 00833

Project Number : 05-7910-06-644

BCM ID  
102192-0253

SAMPLE ID  
00833 005

ANALYSIS DATE  
10/23/92

ANALYST  
S. Brown

**SAMPLE DESCRIPTION**

Homogeneous white plaster-like material with fibrous and crystalline layers and yellow paint.

**TREATMENT METHOD**

1. Diluted HCl
- 2.
- 3.

**ASBESTOS PRESENT**

Chrysotile  
ND

Amosite  
ND

Other  
ND

Other  
ND

Total  
ND

**NONASBESTOS FIBERS**

1. Fibrous Glass : ND	3. Cellulose : 15%	5. Other : ND
2. Syn. Fiber : ND	4. Other : ND	6. Other : ND

**NONFIBROUS COMPONENTS**

1. Filler/Binder : 51%	4. Mica : 2-4%	7. Amphibole : TR
2. Quartz : 2-4%	5. Perlite : ND	8. Styrofoam : ND
3. Carbonate : 25%	6. Filter : ND	9. Other : ND

**COMMENTS**

None

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ANALYST SIGNATURE

*Shane Brown / A.C. PM.*

DATE

*10/26/92*

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**BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY**  
**EPA-600/M4-82-020**

Client : State of Louisiana

Project Manager: B. Britain

Description: State I. D. 00833

Project Number : 05-7910-06-644

BCM ID  
102192-0254

SAMPLE ID  
00833 006

ANALYSIS DATE  
10/23/92

ANALYST  
S. Brown

**SAMPLE DESCRIPTION**

Homogeneous white plaster-like material with fibrous and crystalline layers and yellow paint.

**TREATMENT METHOD**

1. Diluted HCl
- 2.
- 3.

**ASBESTOS PRESENT**

Chrysotile  
ND

Amosite  
ND

Other  
ND

Other  
ND

Total  
ND

**NONASBESTOS FIBERS**

1. Fibrous Glass : ND	3. Cellulose : 15%	5. Other : ND
2. Syn. Fiber : ND	4. Other : ND	6. Other : ND

**NONFIBROUS COMPONENTS**

1. Filler/Binder : 51%	4. Mica : 2-4%	7. Amphibole : TR
2. Quartz : 2-4%	5. Perlite : ND	8. Styrofoam : ND
3. Carbonate : 25%	6. Filter : ND	9. Other : ND

**COMMENTS**

None

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ANALYST SIGNATURE

*Shane Brown / a.c.*

DATE

*10/26/92*

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**BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY**  
**EPA-600/M4-82-020**

Client : State of Louisiana

Project Manager: B. Britain

Description: State I. D. 00833

Project Number : 05-7910-06-644

BCM ID  
102192-0255

SAMPLE ID  
00833 007

ANALYSIS DATE  
10/23/92

ANALYST  
S. Brown

**SAMPLE DESCRIPTION**

Homogeneous white plaster-like material with fibrous and crystalline layers.

**TREATMENT METHOD**

1. Diluted HCl
- 2.
- 3.

**ASBESTOS PRESENT**

Chrysotile  
ND

Amosite  
ND

Other  
ND

Other  
ND

Total  
ND

**NONASBESTOS FIBERS**

1. Fibrous Glass : ND	3. Cellulose : 20%	5. Other : ND
2. Syn. Fiber : ND	4. Other : ND	6. Other : ND

**NONFIBROUS COMPONENTS**

1. Filler/Binder : 46%	4. Mica : 2-4%	7. Amphibole : TR
2. Quartz : 2-4%	5. Perlite : ND	8. Styrofoam : ND
3. Carbonate : 25%	6. Filter : ND	9. Other : ND

**COMMENTS**

None

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ANALYST SIGNATURE

*Shane Brown / A.C.*

DATE

*10/26/92*

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**BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY**  
**EPA-600/M4-82-020**

Client : State of Louisiana

Project Manager: B. Britain

Description: State I. D. 00833

Project Number : 05-7910-06-644

BCM ID  
102192-0256

SAMPLE ID  
00833 008

ANALYSIS DATE  
10/23/92

ANALYST  
S. Brown

**SAMPLE DESCRIPTION**

Homogeneous white crystalline material with a fibrous layer and yellow paint.

**TREATMENT METHOD**

1. Diluted HCl
- 2.
- 3.

**ASBESTOS PRESENT**

Chrysotile  
ND

Amosite  
ND

Other  
ND

Other  
ND

Total  
ND

**NONASBESTOS FIBERS**

1. Fibrous Glass : TR	3. Cellulose : 15%	5. Other	: ND
2. Syn. Fiber : ND	4. Other : ND	6. Other	: ND

**NONFIBROUS COMPONENTS**

1. Filler/Binder : 44%	4. Mica : 5%	7. Amphibole	: TR
2. Quartz : 2-4%	5. Perlite : ND	8. Styrofoam	: ND
3. Carbonate : 30%	6. Filter : ND	9. Other	: ND

**COMMENTS**

None

NOTE: The reported results relate only to the material submitted for testing. This report may not be used to claim product endorsement by NVLAP or any agency of the Federal Government.

ANALYST SIGNATURE

*Shane Brown / A.C.*

DATE

*10/26/92*

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**BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY**  
**EPA-600/M4-82-020**

Client : State of Louisiana

Project Manager: B. Britain

Description: State I. D. 00833

Project Number : 05-7910-06-644

BCM ID  
102192-0257

SAMPLE ID  
00833 009

ANALYSIS DATE  
10/23/92

ANALYST  
S. Brown

**SAMPLE DESCRIPTION**

Homogeneous tan fibrous and platy material.

**TREATMENT METHOD**

1. Diluted HCl
- 2.
- 3.

**ASBESTOS PRESENT**

Chrysotile  
ND

Amosite  
ND

Other  
ND

Other  
ND

Total  
ND

**NONASBESTOS FIBERS**

1. Fibrous Glass : 15%	3. Cellulose : 5%	5. Other	: ND
2. Syn. Fiber : ND	4. Other : ND	6. Other	: ND

**NONFIBROUS COMPONENTS**

1. Filler/Binder : 40%	4. Mica : 35%	7. Amphibole	: ND
2. Quartz : TR	5. Perlite : ND	8. Styrofoam	: ND
3. Carbonate : 2-4%	6. Filter : ND	9. Other	: ND

**COMMENTS**

None

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ANALYST SIGNATURE

Shane Brown / a.c. p.m. DATE 10/26/92

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**BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY**  
**EPA-600/M4-82-020**

Client : State of Louisiana

Project Manager: B. Britain

Description: State I. D. 00833

Project Number : 05-7910-06-644

BCM ID  
102192-0258

SAMPLE ID  
00833 010

ANALYSIS DATE  
10/23/92

ANALYST  
S. Brown

**SAMPLE DESCRIPTION**

Homogeneous tan fibrous and platy material.

**TREATMENT METHOD**

1. Diluted HCl
- 2.
- 3.

**ASBESTOS PRESENT**

Chrysotile  
ND

Amosite  
ND

Other  
ND

Other  
ND

Total  
ND

**NONASBESTOS FIBERS**

1. Fibrous Glass : 15%	3. Cellulose : 5%	5. Other	: ND
2. Syn. Fiber : ND	4. Other : ND	6. Other	: ND

**NONFIBROUS COMPONENTS**

1. Filler/Binder : 40%	4. Mica : 35%	7. Amphibole	: ND
2. Quartz : TR	5. Perlite : ND	8. Styrofoam	: ND
3. Carbonate : 2-4%	6. Filter : ND	9. Other	: ND

**COMMENTS**

None

NOTE: The reported results relate only to the material submitted for testing. This report may not be used to claim product endorsement by NVLAP or any agency of the Federal Government.

ANALYST SIGNATURE

*Shane Brown/mc*

DATE

*10/26/92*

BCM ENGINEERS, INC.  
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**BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY**  
**EPA-600/M4-82-020**

Client : State of Louisiana

Project Manager: B. Britain

Description: State I. D. 00833

Project Number : 05-7910-06-644

BCM ID  
102192-0259

SAMPLE ID  
00833 011

ANALYSIS DATE  
10/23/92

ANALYST  
S. Brown

**SAMPLE DESCRIPTION**

Homogeneous tan fibrous and platy material.

**TREATMENT METHOD**

1. Diluted HCl
- 2.
- 3.

**ASBESTOS PRESENT**

Chrysotile  
ND

Amosite  
ND

Other  
ND

Other  
ND

Total  
ND

**NONASBESTOS FIBERS**

1. Fibrous Glass : 15%	3. Cellulose : 5%	5. Other	: ND
2. Syn. Fiber : ND	4. Other : ND	6. Other	: ND

**NONFIBROUS COMPONENTS**

1. Filler/Binder : 39%	4. Mica : 35%	7. Amphibole	: TR
2. Quartz : TR	5. Perlite : ND	8. Styrofoam	: ND
3. Carbonate : 2-4%	6. Filter : ND	9. Other	: ND

**COMMENTS**

None

NOTE: The reported results relate only to the material submitted for testing. This report may not be used to claim product endorsement by NVLAP or any agency of the Federal Government.

ANALYST SIGNATURE

*S. Brown / asc*

DATE

*10/26/92*

BCM ENGINEERS, INC.  
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**BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY**  
**EPA-600/M4-82-020**

Client : State of Louisiana

Project Manager: B. Britain

Description: State I. D. 00833

Project Number : 05-7910-06-644

BCM ID  
102192-0260

SAMPLE ID  
00833 015

ANALYSIS DATE  
10/23/92

ANALYST  
S. Brown

**SAMPLE DESCRIPTION**

Homogeneous tan fibrous and  
granular ceiling tile with white  
paint.

**TREATMENT METHOD**

1. Diluted HCl
- 2.
- 3.

**ASBESTOS PRESENT**

Chrysotile  
ND

Amosite  
ND

Other  
ND

Other  
ND

Total  
ND

**NONASBESTOS FIBERS**

1. Fibrous Glass : 30%	3. Cellulose : 40%	5. Other	: ND
2. Syn. Fiber : ND	4. Other : ND	6. Other	: ND

**NONFIBROUS COMPONENTS**

1. Filler/Binder : 10%	4. Mica : ND	7. Amphibole	: ND
2. Quartz : TR	5. Perlite : 15%	8. Styrofoam	: ND
3. Carbonate : 2-4%	6. Filter : ND	9. Other	: ND

**COMMENTS**

None

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for testing. This report may not be used to claim product  
endorsement by NVLAP or any agency of the Federal Government.

ANALYST SIGNATURE

*Shane Brown / inc*

DATE

*10/26/92*

BCM ENGINEERS, INC.  
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P.O. BOX 1784  
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**BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY**  
**EPA-600/M4-82-020**

Client : State of Louisiana

Project Manager: B. Britain

Description: State I. D. 00833

Project Number : 05-7910-06-644

BCM ID  
102192-0261

SAMPLE ID  
00833 016

ANALYSIS DATE  
10/23/92

ANALYST  
S. Brown

**SAMPLE DESCRIPTION**

Homogeneous tan fibrous and  
granular ceiling tile with white  
paint.

**TREATMENT METHOD**

1. Diluted HCl
- 2.
- 3.

**ASBESTOS PRESENT**

Chrysotile  
ND

Amosite  
ND

Other  
ND

Other  
ND

Total  
ND

**NONASBESTOS FIBERS**

1. Fibrous Glass : 30%	3. Cellulose : 40%	5. Other	: ND
2. Syn. Fiber : ND	4. Other : ND	6. Other	: ND

**NONFIBROUS COMPONENTS**

1. Filler/Binder : 10%	4. Mica : ND	7. Amphibole	: ND
2. Quartz : TR	5. Perlite : 15%	8. Styrofoam	: ND
3. Carbonate : 2-4%	6. Filter : ND	9. Other	: ND

**COMMENTS**

None

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ANALYST SIGNATURE

*Shane Brown / inc*

DATE

*10/26/92*

BCM ENGINEERS, INC.  
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**BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY**  
**EPA-600/M4-82-020**

Client : State of Louisiana

Project Manager: B. Britain

Description: State I. D. 00833

Project Number : 05-7910-06-644

BCM ID  
102192-0262

SAMPLE ID  
00833 017

ANALYSIS DATE  
10/23/92

ANALYST  
S. Brown

**SAMPLE DESCRIPTION**

Homogeneous tan fibrous and  
granular ceiling tile with white  
paint.

**TREATMENT METHOD**

1. Diluted HCl
- 2.
- 3.

**ASBESTOS PRESENT**

Chrysotile  
ND

Amosite  
ND

Other  
ND

Other  
ND

Total  
ND

**NONASBESTOS FIBERS**

1. Fibrous Glass : 30%	3. Cellulose : 40%	5. Other	: ND
2. Syn. Fiber : ND	4. Other : ND	6. Other	: ND

**NONFIBROUS COMPONENTS**

1. Filler/Binder : 10%	4. Mica : ND	7. Amphibole	: ND
2. Quartz : TR	5. Perlite : 15%	8. Styrofoam	: ND
3. Carbonate : 2-4%	6. Filter : ND	9. Other	: ND

**COMMENTS**

None

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endorsement by NVLAP or any agency of the Federal Government.

ANALYST SIGNATURE

*Shane Brown / p.c.*

DATE

*10/26/92*

BCM ENGINEERS, INC.  
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**BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY**  
**EPA-600/M4-82-020**

Client : State of Louisiana

Project Manager: B. Britain

Description: State I. D. 00833

Project Number : 05-7910-06-644

<u>BCM ID</u>	<u>SAMPLE ID</u>	<u>ANALYSIS DATE</u>	<u>ANALYST</u>
102192-0263	00833 018	10/23/92	S. Brown

**SAMPLE DESCRIPTION**

Homogeneous tan granular and vinyl  
-like floor tile.

**TREATMENT METHOD**

1. THF
- 2.
- 3.

**ASBESTOS PRESENT**

<u>Chrysotile</u>	<u>Amosite</u>	<u>Other</u>	<u>Other</u>	<u>Total</u>
2-4%	ND	ND	ND	2-4%

**NONASBESTOS FIBERS**

1. Fibrous Glass : ND	3. Cellulose : TR	5. Other : ND
2. Syn. Fiber : ND	4. Other : ND	6. Other : ND

**NONFIBROUS COMPONENTS**

1. Filler/Binder : 49%	4. Mica : TR	7. Amphibole : ND
2. Quartz : 5%	5. Perlite : ND	8. Styrofoam : ND
3. Carbonate : 40%	6. Filter : ND	9. Other : ND

**COMMENTS**

There was not enough mastic present on the floor tile to properly analyze.

NOTE: The reported results relate only to the material submitted for testing. This report may not be used to claim product endorsement by NVLAP or any agency of the Federal Government.

ANALYST SIGNATURE

*Shane Brown / a.c.*

DATE

*10/26/92*

BCM ENGINEERS, INC.  
262 GLENWOOD ST.  
P.O. BOX 1784  
MOBILE, AL 36633

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VOL

**BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY**  
**EPA-600/M4-82-020**

Client : State of Louisiana

Project Manager: B. Britain

Description: State I. D. 00833

Project Number : 05-7910-06-644

BCM ID  
102192-0264

SAMPLE ID  
00833 019

ANALYSIS DATE  
10/23/92

ANALYST  
S. Brown

**SAMPLE DESCRIPTION**

Homogeneous tan granular and vinyl  
-like floor tile.

**TREATMENT METHOD**

1. THF
- 2.
- 3.

**ASBESTOS PRESENT**

Chrysotile  
2-4%

Amosite  
ND

Other  
ND

Other  
ND

Total  
2-4%

**NONASBESTOS FIBERS**

1. Fibrous Glass : ND	3. Cellulose : TR	5. Other : ND
2. Syn. Fiber : ND	4. Other : ND	6. Other : ND

**NONFIBROUS COMPONENTS**

1. Filler/Binder : 49%	4. Mica : ND	7. Amphibole : TR
2. Quartz : 5%	5. Perlite : ND	8. Styrofoam : ND
3. Carbonate : 40%	6. Filter : ND	9. Other : ND

**COMMENTS**

There was not enough mastic present on the floor tile to properly analyze.

NOTE: The reported results relate only to the material submitted for testing. This report may not be used to claim product endorsement by NVLAP or any agency of the Federal Government.

ANALYST SIGNATURE

*Shane Brown /mc*

DATE

*10/26/92*

BCM ENGINEERS, INC.  
262 GLENWOOD ST.  
P.O. BOX 1784  
MOBILE, AL 36633

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VOL

**BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY**  
**EPA-600/M4-82-020**

Client : State of Louisiana

Project Manager: B. Britain

Description: State I. D. 00833

Project Number : 05-7910-06-644

<u>BCM ID</u>	<u>SAMPLE ID</u>	<u>ANALYSIS DATE</u>	<u>ANALYST</u>
102192-0265	00833 020	10/23/92	S. Brown

**SAMPLE DESCRIPTION**

Homogeneous tan granular and vinyl  
-like floor tile.

**TREATMENT METHOD**

1. THF
- 2.
- 3.

**ASBESTOS PRESENT**

<u>Chrysotile</u>	<u>Amosite</u>	<u>Other</u>	<u>Other</u>	<u>Total</u>
ND	ND	ND	ND	ND

**NONASBESTOS FIBERS**

1. Fibrous Glass : ND	3. Cellulose : TR	5. Other : ND
2. Syn. Fiber : ND	4. Other : ND	6. Other : ND

**NONFIBROUS COMPONENTS**

1. Filler/Binder : 52%	4. Mica : TR	7. Amphibole : TR
2. Quartz : 5%	5. Perlite : ND	8. Styrofoam : ND
3. Carbonate : 40%	6. Filter : ND	9. Other : ND

**COMMENTS**

There was not enough mastic present on the floor tile to properly analyze.

NOTE: The reported results relate only to the material submitted for testing. This report may not be used to claim product endorsement by NVLAP or any agency of the Federal Government.

ANALYST SIGNATURE

*Shane Brown / ec*

DATE

*10/26/92*

BCM ENGINEERS, INC.  
262 GLENWOOD ST.  
P.O. BOX 1784  
MOBILE, AL 36633

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**BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY**  
**EPA-600/M4-82-020**

Client : State of Louisiana

Project Manager: B. Britain

Description: State I. D. 00833

Project Number : 05-7910-06-644

<u>BCM ID</u>	<u>SAMPLE ID</u>	<u>ANALYSIS DATE</u>	<u>ANALYST</u>
102192-0266	00833 021	10/23/92	S. Brown

**SAMPLE DESCRIPTION**

Homogeneous tan granular and vinyl  
-like floor tile.

**TREATMENT METHOD**

1. THF
- 2.
- 3.

**ASBESTOS PRESENT**

<u>Chrysotile</u>	<u>Amosite</u>	<u>Other</u>	<u>Other</u>	<u>Total</u>
ND	ND	ND	ND	ND

**NONASBESTOS FIBERS**

1. Fibrous Glass : ND	3. Cellulose : TR	5. Other : ND
2. Syn. Fiber : ND	4. Other : ND	6. Other : ND

**NONFIBROUS COMPONENTS**

1. Filler/Binder : 52%	4. Mica : TR	7. Amphibole : TR
2. Quartz : 5%	5. Perlite : ND	8. Styrofoam : ND
3. Carbonate : 40%	6. Filter : ND	9. Other : ND

**COMMENTS**

None

NOTE: The reported results relate only to the material submitted  
for testing. This report may not be used to claim product  
endorsement by NVLAP or any agency of the Federal Government.

ANALYST SIGNATURE

*Shane Brown / ac pm* DATE *10/24/92*

BCM ENGINEERS, INC.  
262 GLENWOOD ST.  
P.O. BOX 1784  
MOBILE, AL 36633

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**BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY**  
**EPA-600/M4-82-020**

Client : State of Louisiana

Project Manager: B. Britain

Description: State I. D. 00833

Project Number : 05-7910-06-644

BCM ID  
102192-0266.1

SAMPLE ID  
00833 021.1

ANALYSIS DATE  
10/23/92

ANALYST  
S. Brown

**SAMPLE DESCRIPTION**

Homogeneous tan glue mastic.

**TREATMENT METHOD**

1. Xylene
- 2.
- 3.

**ASBESTOS PRESENT**

Chrysotile  
ND

Amosite  
ND

Other  
ND

Other  
ND

Total  
ND

**NONASBESTOS FIBERS**

1. Fibrous Glass : ND	3. Cellulose : TR	5. Other : ND
2. Syn. Fiber : ND	4. Other : ND	6. Other : ND

**NONFIBROUS COMPONENTS**

1. Filler/Binder : 89%	4. Mica : ND	7. Amphibole : TR
2. Quartz : 2-4%	5. Perlite : ND	8. Styrofoam : ND
3. Carbonate : 5%	6. Filter : ND	9. Other : ND

**COMMENTS**

None

NOTE: The reported results relate only to the material submitted for testing. This report may not be used to claim product endorsement by NVLAP or any agency of the Federal Government.

ANALYST SIGNATURE

*Shane Brown / a.e*

DATE

*10/26/92*

BCM ENGINEERS, INC.  
262 GLENWOOD STREET  
P.O. BOX 1784  
MOBILE, AL 36633

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VOL

**BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY**  
**EPA-600/M4-82-020**

Client : State of Louisiana

Project Manager: B. Britain

Description: State I. D. 00833

Project Number : 05-7910-06-644

BCM ID  
102192-0267

SAMPLE ID  
00833 035

ANALYSIS DATE  
10/23/92

ANALYST  
P. Cumberland

**SAMPLE DESCRIPTION**

Homogeneous tan and grey fibrous  
and plaster-like material.

**TREATMENT METHOD**

1. Diluted HCl
- 2.
- 3.

**ASBESTOS PRESENT**

Chrysotile  
ND

Amosite  
ND

Other  
ND

Other  
ND

Total  
ND

**NONASBESTOS FIBERS**

1. Fibrous Glass : 45%	3. Cellulose : TR	5. Other : ND
2. Syn. Fiber : ND	4. Other : ND	6. Other : ND

**NONFIBROUS COMPONENTS**

1. Filler/Binder : 20%	4. Mica : ND	7. Amphibole : ND
2. Quartz : 2-4%	5. Perlite : ND	8. Styrofoam : ND
3. Carbonate : 30%	6. Filter : ND	9. Other : ND

**COMMENTS**

None

NOTE: The reported results relate only to the material submitted  
for testing. This report may not be used to claim product  
endorsement by NVLAP or any agency of the Federal Government.

ANALYST SIGNATURE Paula Cumberland/a.c DATE 10/26/92

BCM ENGINEERS, INC.  
262 GLENWOOD ST.  
P.O. BOX 1784  
MOBILE, AL 36633

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VOL

**BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY**  
**EPA-600/M4-82-020**

Client : State of Louisiana

Project Manager: B. Britain

Description: State I. D. 00833

Project Number : 05-7910-06-644

BCM ID  
102192-0268

SAMPLE ID  
00833 036

ANALYSIS DATE  
10/23/92

ANALYST  
P. Cumberland

**SAMPLE DESCRIPTION**

Homogeneous tan and grey fibrous  
and plaster-like material.

**TREATMENT METHOD**

1. Diluted HCl
- 2.
- 3.

**ASBESTOS PRESENT**

Chrysotile  
ND

Amosite  
ND

Other  
ND

Other  
ND

Total  
ND

**NONASBESTOS FIBERS**

1. Fibrous Glass : 45%	3. Cellulose : TR	5. Other	: ND
2. Syn. Fiber : ND	4. Other : ND	6. Other	: ND

**NONFIBROUS COMPONENTS**

1. Filler/Binder : 20%	4. Mica : ND	7. Amphibole	: ND
2. Quartz : 2-4%	5. Perlite : ND	8. Styrofoam	: ND
3. Carbonate : 30%	6. Filter : ND	9. Other	: ND

**COMMENTS**

None

NOTE: The reported results relate only to the material submitted  
for testing. This report may not be used to claim product  
endorsement by NVLAP or any agency of the Federal Government.

ANALYST SIGNATURE

*Paula Cumberland/jnc*

DATE

*10/26/92*

BCM ENGINEERS, INC.  
262 GLENWOOD ST.  
P.O. BOX 1784  
MOBILE, AL 36633

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VOL

**BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY**  
**EPA-600/M4-82-020**

Client : State of Louisiana

Project Manager: B. Britain

Description: State I. D. 00833

Project Number : 05-7910-06-644

<u>BCM ID</u>	<u>SAMPLE ID</u>	<u>ANALYSIS DATE</u>	<u>ANALYST</u>
102192-0269	00833 037	10/23/92	P. Cumberland

**SAMPLE DESCRIPTION**

Homogeneous tan and grey fibrous  
and plaster-like material.

**TREATMENT METHOD**

1. Diluted HCl
- 2.
- 3.

**ASBESTOS PRESENT**

<u>Chrysotile</u>	<u>Amosite</u>	<u>Other</u>	<u>Other</u>	<u>Total</u>
ND	ND	ND	ND	ND

**NONASBESTOS FIBERS**

1. Fibrous Glass : 45%	3. Cellulose : TR	5. Other	: ND
2. Syn. Fiber : ND	4. Other : ND	6. Other	: ND

**NONFIBROUS COMPONENTS**

1. Filler/Binder : 20%	4. Mica : ND	7. Amphibole	: ND
2. Quartz : 2-4%	5. Perlite : ND	8. Styrofoam	: ND
3. Carbonate : 30%	6. Filter : ND	9. Other	: ND

**COMMENTS**

None

NOTE: The reported results relate only to the material submitted  
for testing. This report may not be used to claim product  
endorsement by NVLAP or any agency of the Federal Government.

ANALYST SIGNATURE Paula Cumberland/p.c. g.m. DATE 10/26/92

BCM ENGINEERS, INC.  
262 GLENWOOD ST.  
P.O.BOX 1784  
MOBILE, AL 36633

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**BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY**  
**EPA-600/M4-82-020**

Client : State of Louisiana

Project Manager: B. Britain

Description: State I. D. 00833

Project Number : 05-7910-06-644

BCM ID  
102192-0270

SAMPLE ID  
00833 038

ANALYSIS DATE  
10/23/92

ANALYST  
P. Cumberland

**SAMPLE DESCRIPTION**

Homogeneous tan and grey fibrous material.

**TREATMENT METHOD**

1. Diluted HCl
- 2.
- 3.

**ASBESTOS PRESENT**

Chrysotile  
ND

Amosite  
ND

Other  
ND

Other  
ND

Total  
ND

**NONASBESTOS FIBERS**

1. Fibrous Glass : 45%	3. Cellulose : TR	5. Other	: ND
2. Syn. Fiber : ND	4. Other : ND	6. Other	: ND

**NONFIBROUS COMPONENTS**

1. Filler/Binder : 20%	4. Mica : ND	7. Amphibole	: ND
2. Quartz : 2-4%	5. Perlite : ND	8. Styrofoam	: ND
3. Carbonate : 30%	6. Filter : ND	9. Other	: ND

**COMMENTS**

None

NOTE: The reported results relate only to the material submitted for testing. This report may not be used to claim product endorsement by NVLAP or any agency of the Federal Government.

ANALYST SIGNATURE

*Paula Cumberland/p.c.*

DATE

*10/26/92*

BCM ENGINEERS, INC.  
262 GLENWOOD ST.  
P.O. BOX 1784  
MOBILE, AL 36633

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VOL

**BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY**  
**EPA-600/M4-82-020**

Client : State of Louisiana

Project Manager: B. Britain

Description: State I. D. 00833

Project Number : 05-7910-06-644

BCM ID  
102192-0271

SAMPLE ID  
00833 039

ANALYSIS DATE  
10/23/92

ANALYST  
P. Cumberland

**SAMPLE DESCRIPTION**

Homogeneous tan and grey fibrous material.

**TREATMENT METHOD**

1. Diluted HCl
- 2.
- 3.

**ASBESTOS PRESENT**

Chrysotile  
ND

Amosite  
ND

Other  
ND

Other  
ND

Total  
ND

**NONASBESTOS FIBERS**

1. Fibrous Glass : 45%	3. Cellulose : TR	5. Other : ND
2. Syn. Fiber : ND	4. Other : ND	6. Other : ND

**NONFIBROUS COMPONENTS**

1. Filler/Binder : 20%	4. Mica : ND	7. Amphibole : ND
2. Quartz : 2-4%	5. Perlite : ND	8. Styrofoam : ND
3. Carbonate : 30%	6. Filter : ND	9. Other : ND

**COMMENTS**

None

NOTE: The reported results relate only to the material submitted for testing. This report may not be used to claim product endorsement by NVLAP or any agency of the Federal Government.

ANALYST SIGNATURE

Paula Cumberland / p.c. P.M. DATE 10/24/92

BCM ENGINEERS, INC.  
262 GLENWOOD ST.  
P.O.BOX 1784  
MOBILE, AL 36633

PAGE 24 OF 24  
VOL

**BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY**  
**EPA-600/M4-82-020**

Client : State of Louisiana

Project Manager: B. Britain

Description: State I. D. 00833

Project Number : 05-7910-06-644

<u>BCM ID</u>	<u>SAMPLE ID</u>	<u>ANALYSIS DATE</u>	<u>ANALYST</u>
102192-0272	00833 040	10/23/92	P. Cumberland

**SAMPLE DESCRIPTION**

Homogeneous tan and grey fibrous  
and plaster-like material.

**TREATMENT METHOD**

1. Diluted HCl
- 2.
- 3.

**ASBESTOS PRESENT**

<u>Chrysotile</u>	<u>Amosite</u>	<u>Other</u>	<u>Other</u>	<u>Total</u>
ND	ND	ND	ND	ND

**NONASBESTOS FIBERS**

1. Fibrous Glass : 45%	3. Cellulose : TR	5. Other	: ND
2. Syn. Fiber : ND	4. Other : ND	6. Other	: ND

**NONFIBROUS COMPONENTS**

1. Filler/Binder : 20%	4. Mica : ND	7. Amphibole	: ND
2. Quartz : 2-4%	5. Perlite : ND	8. Styrofoam	: ND
3. Carbonate : 30%	6. Filter : ND	9. Other	: ND

**COMMENTS**

None

NOTE: The reported results relate only to the material submitted  
for testing. This report may not be used to claim product  
endorsement by NVLAP or any agency of the Federal Government.

ANALYST SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

# ASSESSMENT RESULTS

FORM I

Building Name: MAIN BUILDING

State ID: 00833

H.A.#	AHERA Class	Reason	Hazard Ranking	Reason	Recommendations
1	N	Material is Non-Friable.	1	Material is Non-friable.	F
4	N	Material is Non-Friable.	1	Material is Non-friable.	F
5	N	Material is Non-Friable.	1	Material is Non-friable.	F

Assessment Prepared By: Don Pippard

## RECOMMENDATIONS

- A. Evacuation or Isolation of Functional Area.
- B. Removal.
- C. Enclosure or Encapsulation.
- D. Repair.
- E. Take Steps to Reduce potential for disturbance.
- F. Implement Operations and Maintenance Activities.

Accreditation Number : 390260  
Agency: Louisiana Department of Environmental Quality

If Recommendations were formulated by individual other than that person making the assessment, please provide:

Print Name \_\_\_\_\_

Accreditation No. \_\_\_\_\_

Signature \_\_\_\_\_

RESPONSE ACTION

FORM J

Building Name: MAIN BUILDING

State ID: 00833

H.A.#	Description of Preventative Measures or Response Actions	Methods to be Used for PM or RA	Location	Reason	Schedule	If ACBM will remain after Response Action, describe
1	O&M required for all ACBM.	Implement Operation & Maintenance procedures using trained personnel and an accredited supervisor.	1	Material is Non-friable.	7	Entire Homogeneous Area Remains.
4	O&M required for all ACBM.	Implement Operation & Maintenance procedures using trained personnel and an accredited supervisor.	4	Material is Non-friable.	7	Entire Homogeneous Area Remains.
5	O&M required for all ACBM.	Implement Operation & Maintenance procedures using trained personnel and an accredited supervisor.	5	Material is Non-friable.	7	Entire Homogeneous Area Remains.

Name: Don P. [Signature]

Date: 10/26/92

Accreditation No: 36201

Accreditation Agency La. Dept of Environmental Quality

State ID: 00833	Building Name: MAIN BUILDING	METHODS TO BE USED				IF ACBM REMAINS DESCRIBE
		RESPONSE ACTIONS REQUIRED BY AHERA	FOR PREVENTITIVE MEASURES OR RESPONSE ACTIONS	LOCATION	REASON	
MATERIAL						
Bldg_Exp_Joints	O & M for all ACBM.	Implement Operations & Maintenance procedures using trained personnel and an accredited supervisor.	N/A	Material is Non-Friable.	As Demolition or Renovation dictate.	Entire Homogeneous area remains.
Bsbrd_Mastic	O & M for all ACBM.	Implement Operations & Maintenance procedures using trained personnel and an accredited supervisor.	N/A	Material is Non-Friable.	As Demolition or Renovation dictate.	Entire Homogeneous area remains.
Carpt_Mastic	O & M for all ACBM.	Implement Operations & Maintenance procedures using trained personnel and an accredited supervisor.	N/A	Material is Non-Friable.	As Demolition or Renovation dictate.	Entire Homogeneous area remains.
Fire_Door	O & M for all ACBM.	Implement Operations & Maintenance procedures using trained personnel and an accredited supervisor.	N/A	Material is Non-Friable.	As Demolition or Renovation dictate.	Entire Homogeneous area remains.
Roofing_Shingles	O & M for all ACBM.	Implement Operations & Maintenance procedures using trained personnel and an accredited supervisor.	N/A	Material is Non-Friable.	As Demolition or Renovation dictate.	Entire Homogeneous area remains.
Transite	O & M for all ACBM.	Implement Operations & Maintenance procedures using trained personnel and an accredited supervisor.	N/A	Material is Non-Friable.	As Demolition or Renovation dictate.	Entire Homogeneous area remains.

ASSURANCE OF ACCREDITATION

FORM K

BCM Engineers Inc. recommends that the person(s) who will inspect for ACBM and who will design or carry out response actions, except for Operations and Maintenance, must be accredited under provisions of LAC 33:III.27.

Signature Don L. Pippin  
Accredited Management Planner: Don L. Pippin  
Accreditation Number: 3P0261  
Louisiana Department of Environmental Quality

**NOTIFICATION LETTER**

**FORM L**

March, 1992

The State of Louisiana has completed an asbestos survey of all state owned buildings. The results of the survey are compiled in management plans by facility. The management plans were assembled according to the requirements set forth in the Department of Environmental Quality Required Elements Index. These plans are available for review to anyone interested in the results. The plans will be kept in the administrative office or the office of the designated person/maintenance supervisor for each building.

Please distribute this correspondence to all occupants or affected parties of the building.

Building Name: MAIN BUILDING

State ID: 00833

## 1. Reinspection Plan

As required by L.A.C. 33.III.2723.D.9 three years after implementation of Management Plan a reinspection of buildings containing ACBM will be conducted. Inspectors are required to be accredited by a Louisiana accreditation program.

## 2. Periodic Surveillance Plan

To fulfill the requirements of LAC 33.III.2723.D.9 for a periodic surveillance of buildings containing ACBM or assumed to be ACBM it is required that periodic surveillance be conducted every six months. Inspectors are required to be accredited by a Louisiana accreditation program.

## 3. Operations and Maintenance Plan

As required by LAC 33.III.2725.C employees engaged in Operations and Maintenance activities shall fulfill the required 16 hours of training prior to disturbance of ACBM; and a responsible, trained and accredited supervisor (LAC 33.III.2701.C.4) will oversee activities.

The local education agency or the state government shall ensure that the procedures described below to protect building occupants shall be followed for any operations and maintenance activities disturbing friable ACBM:

- a. Restrict entry into the area by persons other than those necessary for the maintenance project, either by physically isolating the area or by scheduling.
- b. Post signs to prevent entry by unauthorized persons.
- c. Shut off or temporarily modify the air-handling system and restrict other sources of air movement.
- d. Use work practices or other controls, such as wet methods, protective clothing, HEPA-vacuums, mini-enclosures, and glove bags, as necessary to inhibit the spread of any released fibers.

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

Building Name: MAIN BUILDING

State ID: 00833

- e. Clean all fixtures or other components in the immediate work area.
- f. Maintenance Activities Other than Small-scale, Short-duration

The response action for any maintenance activities disturbing friable ACBM, other than small-scale, short-duration maintenance activities, shall be designed by persons accredited to design response actions and conducted by persons accredited to conduct response actions.

#### 4. Cleaning Recommendations

Unless the building has been cleaned using equivalent methods within the previous six months, all areas of a school or public building where friable ACBM, damaged or significantly damaged thermal system insulation ACM, or friable suspected ACBM assumed to be ACM is present shall be cleaned at least once after the completion of the inspection required by LAC 33.III.2707.A and before the initiation of any response action, other than O & M activities or repair, according to the following procedures:

- a. HEPA-vacuum or steam-clean all carpets.
- b. HEPA-vacuum or wet-clean all other floors and all other horizontal surfaces.
- c. Dispose of all debris, filters, mopheads, and cloths in sealed, leak-tight containers.

For any additional cleaning required, the accredited management planner shall make a written recommendation to the local education agency or the state government on whether additional cleaning is needed, and if so, the methods and frequency of such cleaning.

#### 5. LEA or LSPBA Response to Cleaning Recommendations

As required by LAC 33.III.2719.C the LEA or the state government shall ensure documentation of the activity is recorded to include: 1) name of person performing the cleaning, 2) date of cleaning, 3) locations cleaned, and 4) methods utilized to perform the cleaning.

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

For an evaluation of resources needed to carry out response actions, refer to FORM O.

To carry out 6-month periodic surveillance inspections and 3-year reinspections, the LEA or state government should budget \$0.015 to \$0.025 per square foot to accomplish those tasks.

Training costs typically run \$300 to \$500 per person, not including salaries of the personnel involved in periodic surveillance and reinspection activities.

For Operations and Maintenance activities, implimentation costs typically run \$8,000 to \$10,000, which would include custodial and maintenance worker training, medical evaluations, and equipment purchase. Annual costs for ongoing O&M programs typically run \$3,500 to \$7,500 per year, depending upon the quantities of ACM present in the building, and the size of maintenance staff involved in the O&M program.

ASBESTOS ABATEMENT COST ESTIMATE

FORM O

ATE ID: 00833 MAIN BUILDING

H.A.#	MATERIAL TYPE	HAZARD RANK	AREA	COST/AREA	TOTAL COST
1	MM	1	11050	7	77350
4	MM	1	150	8	1200
5	MM	1	1800	8	14400
TOTAL COST				\$	92950

Management Consultants Accreditation

FORM P

Building Name: MAIN BUILDING

State ID: 00833

Name: Don Pippin

Accreditation Agency: Louisiana Department of Environmental Quality

Signature: Don Pippin Date: 10/26/92

**FORM Q**

Building Name: \_\_\_\_\_ State Id: \_\_\_\_\_

**Contractor's Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

Accreditation Agency & Number: \_\_\_\_\_

[illegible]

Name of Storage or Disposal Site if ACM was removed: \_\_\_\_\_



## Air Sampling Analysis

Duplicate as Needed.

## FORM S

Facility Name: \_\_\_\_\_

Building Name: \_\_\_\_\_ State Id: \_\_\_\_\_

Lab Name: \_\_\_\_\_

**Address:** \_\_\_\_\_

**Accreditation Statement:** \_\_\_\_\_

[illegible]

**Signature of Person performing Analysis:** \_\_\_\_\_

Date of Analysis: \_\_\_\_\_

**Trained Personnel (Duplicate as Needed)****FORM T**

All service personnel who work in a building that contains friable ACM must receive two hours of awareness training. Service personnel who conduct any activities that will result in the disturbance of ACM must receive two hours of general awareness training and 14 hours of additional instruction (per AHERA).

Facility Name: \_\_\_\_\_

Building Name: \_\_\_\_\_ State Id: \_\_\_\_\_

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Location of Training: \_\_\_\_\_

Number of Hours: \_\_\_\_\_ Date Completed: \_\_\_\_\_

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Location of Training: \_\_\_\_\_

Number of Hours: \_\_\_\_\_ Date Completed: \_\_\_\_\_

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Location of Training: \_\_\_\_\_

Number of Hours: \_\_\_\_\_ Date Completed: \_\_\_\_\_

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Location of Training: \_\_\_\_\_

Number of Hours: \_\_\_\_\_ Date Completed: \_\_\_\_\_

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Location of Training: \_\_\_\_\_

Number of Hours: \_\_\_\_\_ Date Completed: \_\_\_\_\_

### Cleaning (Duplicate as Needed)

FORM U

**Facility Name:** \_\_\_\_\_

**Building Name:**\_\_\_\_\_ **State Id:**\_\_\_\_\_

[illegible]

**Operation & Maintenance Activities**  
Duplicate as Needed.

**FORM V**

**Facility Name:** \_\_\_\_\_

**Building Name:** \_\_\_\_\_ **State Id:** \_\_\_\_\_

**Name of Person(s) Performing the activity:** \_\_\_\_\_

\_\_\_\_\_

**Location:** \_\_\_\_\_

**Start Date:** \_\_\_\_\_

**Anticipated Completion Date:** \_\_\_\_\_

**Description:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

If removed, Name and Location of storage or disposal sites

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Fiber Release Episode**  
Duplicate as Needed.

**FORM W**

**Facility Name:** \_\_\_\_\_

1. Describe the area where the episode occurred. (Building Name, Address and Room Number)

\_\_\_\_\_  
\_\_\_\_\_

2. The release episode was reported by \_\_\_\_\_ on \_\_\_\_\_  
(date).

3. Describe the episode: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

4. The asbestos containing material was \_\_\_\_\_/was not \_\_\_\_\_  
\_\_\_\_\_ cleaned up according to approved procedures. Describe the clean up.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

5. If ACM was removed, Name and Location of Storage/Disposal Sites.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
(Asbestos Program Manager)