

## **2018 Reinspection Certifications**

## **Laboratory Results**

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Environment Since 1982



NY ELAP LAB# 11993 for PCM,  
PLM, TEM & Lead

**batta**  
LABORATORIES

## BATTA LABORATORIES, LLC

A Certified MBE Company

Delaware Industrial Park, 6 Garfield Way  
Newark, DE 19713-5817  
Tel. (302) 737-3376 Fax (302) 737-5764

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

EPA LAB ID #DE004



AIHA LAP, LLC.  
LAB# 100448  
PCM & Metals



NVLAP  
LAB# 101032  
PLM & TEM

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/21/2018

Page 1 of 31

### CERTIFICATE OF PLM ANALYSIS

#### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/14/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973134	VAPB-1-1- 1085-M- 474	LOADING DOCK	Ceiling Tile	Yes	Fibrous  Homogeneous	Gray White	35% Mineral Wool 50% Cellulose 15% Non-fibrous Material	No Asbestos Found
973135	VAPB-1-1- 1085-M- 475	STORAGE	Ceiling Tile	Yes	Fibrous  Homogeneous	Gray White	35% Mineral Wool 50% Cellulose 15% Non-fibrous Material	No Asbestos Found
973136	VAPB-1-1- 1085-M- 476	STORAGE	Ceiling Tile	Yes	Fibrous  Homogeneous	Gray White	35% Mineral Wool 50% Cellulose 15% Non-fibrous Material	No Asbestos Found
973137	VAPB-1-1- 1085-M- 477	STORAGE	Ceiling Tile	Yes	Fibrous  Homogeneous	Gray White	70% Mineral Wool 30% Non-fibrous Material	No Asbestos Found
973138	VAPB-1-1- 1073-M- 478	OFFICE	Ceiling Tile	Yes	Fibrous  Homogeneous	Gray White	70% Mineral Wool 30% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY:

QA/QC Officer/Signatory

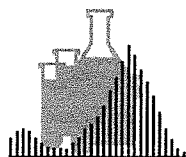
\*This report does not constitute endorsement by NVLAP and/or any other US government agencies.

\*The test data pertain only to the items tested. No assumptions or conclusions should be made to materials or samples not analyzed. Furthermore, Batta Laboratories, LLC assumes no responsibility for the accuracy of results influenced by the use of improper collection techniques or equipment.

\*Organically-bound, nonfriable material may interfere with the accurate quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY Item 198.6/198.4 over the Chatfield method. When point count techniques are utilized on organically-bound, nonfriable materials without the EPA-recommended matrix reduction steps, Batta Laboratories assumes no responsibility regarding the accuracy or precision associated with these results. In these cases, Batta employs a modified version of the EPA point count method.

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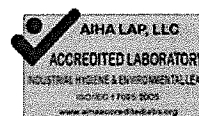
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Report Date: 2/21/2018

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### CERTIFICATE OF PLM ANALYSIS

#### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/14/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/Gross	Color	Non-asbestiform Components	Asbestiform Components
973139	VAPB-1-1-1093-M-479	OFFICE	Ceiling Tile	Yes	Fibrous Homogeneous	Gray White	70% Mineral Wool 30% Non-fibrous Material	No Asbestos Found
973140	VAPB-1-1-1087-M-480	RESTROOM	Drywall	Yes	Granular Fibrous Heterogeneous	White Tan	10% Cellulose 90% Non-fibrous Material	No Asbestos Found
973141	VAPB-1-1-1087-M-481A	RESTROOM	Drywall	Yes	Granular Fibrous Heterogeneous	White Tan	< 1% Fiber Glass 60% Cellulose 40% Non-fibrous Material	No Asbestos Found
974423	VAPB-1-1-1087-M-481B	RESTROOM	Plastic Texture	Yes	Soft Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973142	VAPB-1-1-1090-M-482A	RESTROOM	Drywall	Yes	Granular Fibrous Heterogeneous	White Tan	< 1% Fiber Glass 15% Cellulose 85% Non-fibrous Material	No Asbestos Found

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Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

### CERTIFICATE OF PLM ANALYSIS

Page 3 of 31

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/21/2018

#### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/14/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/Gross	Color	Non-asbestiform Components	Asbestiform Components
974424	VAPB-1-1-1090-M-482B	RESTROOM	Plastic Texture	Yes	Soft Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973143	VAPB-1-1-1087-M-483	RESTROOM	Caulk	No	Soft Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973144	VAPB-1-1-1087-M-484	RESTROOM	Caulk	No	Soft Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973145	VAPB-1-1-1087-M-485	RESTROOM	Caulk	No	Soft Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973146	VAPB-1-1-1087-M-486	RESTROOM	Caulk	No	Soft Homogeneous	White	100% Non-fibrous Material	No Asbestos Found

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**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY:

QA/QC Officer/Signatory

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**Dept. Code: PLM**

Rev. #: 0  
Batch#: N/A  
COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 4 of 31

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/21/2018

### Sampling Data

BLI Project #: R105415  
Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:  
Sampled By: CLIENT  
Date Analyzed: 2/14/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/Gross	Color	Non-asbestiform Components	Asbestiform Components
973147	VAPB-1-1-1087-M-487	COOLER	Caulk	No	Soft Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973148	VAPB-1-1-1087-M-488	COOLER	Caulk	No	Soft Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973149	VAPB-1-1-1080-S-489A	CUSTODIAN CLOSET	Plaster Skim	Yes	Granular Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973150	VAPB-1-1-1080-S-489B	CUSTODIAN CLOSET	Plaster Base	Yes	Cementitious Fibrous Homogeneous	Gray	< 1% Hair 100% Non-fibrous Material	No Asbestos Found
973151	VAPB-1-1-1088-S-490A	STORAGE	Plaster Skim	Yes	Granular Homogeneous	White	100% Non-fibrous Material	No Asbestos Found

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**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY: 

QA/QC Officer/Signatory

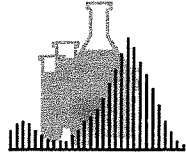
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### CERTIFICATE OF PLM ANALYSIS

Page 5 of 31

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/21/2018

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BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/14/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results		
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components	
Sample#	Sample#	Description	Type						
973152	VAPB-1-1- 1088-S- 490B	STORAGE	Plaster Base	Yes	Cementitious Fibrous  Homogeneous	Gray	< 1% Hair 100% Non-fibrous Material	No Asbestos Found	
973153	VAPB-1-1- 1088-S- 491A	STORAGE	Plaster Skim	Yes	Granular  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found	
973154	VAPB-1-1- 1088-S- 491B	STORAGE	Plaster Base	Yes	Cementitious Fibrous  Homogeneous	Gray	< 1% Hair 100% Non-fibrous Material	No Asbestos Found	
973155	VAPB-1-1- 1088-M- 492A	STORAGE	Floor Tile	N/A	Firm  Homogeneous	White	97% Non-fibrous Material	3% Chrysotile	
973156	VAPB-1-1- 1088-M- 492B	STORAGE	Mastic	No	Soft  Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found	

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**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

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## CERTIFICATE OF PLM ANALYSIS

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BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/14/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973157	VAPB-1-1-1088-M-493A	** STORAGE	Floor Tile					Sample Not Analyzed (positive stop rules)
973158	VAPB-1-1-1088-M-493B	STORAGE	Mastic	No	Soft Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
973159	VAPB-1-1-1088-M-494A	** STORAGE	Floor Tile					Sample Not Analyzed (positive stop rules)
973160	VAPB-1-1-1088-M-494B	STORAGE	Mastic	No	Soft Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
973161	VAPB-1-1-1089-M-495A	STORAGE	Floor Tile	No	Firm Homogeneous	White Gray Tan	100% Non-fibrous Material	No Asbestos Found

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**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY:

QA/QC Officer/Signatory

\*\* This sample was not analyzed for reasons noted in the far right column. Batta Labs, LLC will not charge clients for samples not analyzed. Please contact Batta if charged in error.

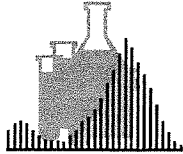
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Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/14/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/Gross	Color	Non-asbestiform Components	Asbestiform Components
973162	VAPB-1-1-1089-M-495B	STORAGE	Mastic	No	Soft Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
973163	VAPB-1-1-1089-M-496A	STORAGE	Floor Tile	No	Firm Homogeneous	Gray White Tan	100% Non-fibrous Material	No Asbestos Found
973164	VAPB-1-1-1089-M-496B	STORAGE	Mastic	No	Soft Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
973165	VAPB-1-1-1089-M-497A	STORAGE	Floor Tile	No	Firm Homogeneous	Gray White Tan	100% Non-fibrous Material	No Asbestos Found
973166	VAPB-1-1-1089-M-497B	STORAGE	Mastic	No	Soft Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found

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ANALYST: M. COLLINS

REVIEWED BY: RJQ

QA/QC Officer/Signatory

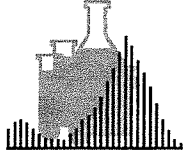
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PLM, TEM & Lead

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**CERTIFICATE OF PLM ANALYSIS**

**Sampling Data**

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/14/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/Gross	Color	Non-asbestiform Components	Asbestiform Components
973167	VAPB-1-1-1091-M-498	COOLER	Caulk	No	Soft Homogeneous	Silver	100% Non-fibrous Material	No Asbestos Found
973168	VAPB-1-1-1091-M-499	COOLER	Caulk	No	Soft Homogeneous	Silver	100% Non-fibrous Material	No Asbestos Found
973169	VAPB-1-1-1091-M-500	COOLER	Caulk	No	Soft Homogeneous	Silver	100% Non-fibrous Material	No Asbestos Found
973170	VAPB-1-1-1092-M-501	COOLER	Caulk	No	Soft Homogeneous	Silver	100% Non-fibrous Material	No Asbestos Found
973171	VAPB-1-1-1092-M-502	COOLER	Caulk	No	Soft Homogeneous	Silver	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY: 

QA/QC Officer/Signatory

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Newark, DE19713-5817  
Tel. (302)737-3376 Fax (302) 737-5764

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PLM & TEM

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

**Dept. Code: PLM**

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 9 of 31

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/21/2018

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/14/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/Gross	Color	Non-asbestiform Components	Asbestiform Components
973172	VAPB-1-1-1092-M-503	COOLER	Caulk	No	Soft Homogeneous	Silver	100% Non-fibrous Material	No Asbestos Found
973173	VAPB-1-1-1071-M-504	KITCHEN	Sealant	No	Soft Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
973174	VAPB-1-1-1071-M-505	KITCHEN	Sealant	No	Soft Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
973175	VAPB-1-1-1071-M-506	KITCHEN	Sealant	No	Soft Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
973176	VAPB-1-1-1071-M-507	KITCHEN	Glazing	No	Fibrous Soft Homogeneous	Gray	90% Non-fibrous Material	10% Chrysotile

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY: 

QA/QC Officer/Signatory

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Newark, DE 19713-5817  
Tel. (302) 737-3376 Fax (302) 737-5764

EPA LAB ID #DE004



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NVLAP  
LAB# 101032  
PLM & TEM

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/21/2018

Page 10 of 31

### CERTIFICATE OF PLM ANALYSIS

#### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/14/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/Gross	Color	Non-asbestiform Components	Asbestiform Components
973177	VAPB-1-1-1097-M-508	KITCHEN	Glazing					Sample Not Analyzed (positive stop rules)
973178	VAPB-1-1-1097-M-509	KITCHEN	Glazing					Sample Not Analyzed (positive stop rules)
973179	VAPB-1-1-1098-M-510	KITCHEN	Vinyl Ct	No	Soft Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973180	VAPB-1-1-1098-M-511	KITCHEN	Vinyl Ct	No	Soft Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973181	VAPB-1-1-1098-M-512	KITCHEN	Vinyl Ct	No	Soft Homogeneous	White	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY:

QA/QC Officer/Signatory

\*\* This sample was not analyzed for reasons noted in the far right column. Batta Labs, LLC will not charge clients for samples not analyzed. Please contact Batta if charged in error.

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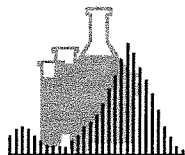
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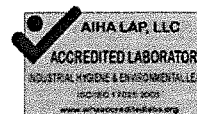
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EPA LAB ID #DE004



AIHA LAP, LLC.  
LAB# 100448  
PCM & Metals



NVLAP  
LAB# 101032  
PLM & TEM

Dept. Code: PLM

Rev. #: 0  
Batch#: N/A  
COC#: N/A

### CERTIFICATE OF PLM ANALYSIS

Page 11 of 31

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/21/2018

Date Sampled:  
Sampled By: CLIENT  
Date Analyzed: 2/14/2018

#### Sampling Data


BLI Project #: R105415  
Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973182	VAPB-1-1- 1098-M- 513	KITCHEN	Vinyl Wall Cover	No	Fibrous Firm  Homogeneous	White	10% Fiber Glass 90% Non-fibrous Material	No Asbestos Found
973183	VAPB-1-1- 1098-M- 514	KITCHEN	Vinyl Wall Cover	No	Fibrous Firm  Homogeneous	White	10% Fiber Glass 90% Non-fibrous Material	No Asbestos Found
973184	VAPB-1-1- 1098-M- 515	KITCHEN	Vinyl Wall Cover	No	Fibrous Firm  Homogeneous	White	10% Fiber Glass 90% Non-fibrous Material	No Asbestos Found
973185	VAPB-1-1- 1075-M- 516A	OFFICE	Cove Base	No	Soft  Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
973186	VAPB-1-1- 1075-M- 516B	OFFICE	Mastic	No	Soft  Homogeneous	Off-white	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY:   
QA/QC Officer/Signatory

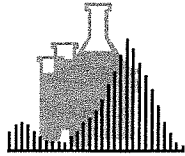
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Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/21/2018

Page 12 of 31

### CERTIFICATE OF PLM ANALYSIS

#### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/14/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/Gross	Color	Non-asbestiform Components	Asbestiform Components
973187	VAPB-1-1-1075-M-517A	OFFICE	Cove Base	No	Soft Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
973188	VAPB-1-1-1075-M-517B	OFFICE	Mastic	No	Soft Homogeneous	Off-white	100% Non-fibrous Material	No Asbestos Found
973189	VAPB-1-1-1075-M-518A	OFFICE	Cove Base	No	Soft Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
973190	VAPB-1-1-1075-M-518B	OFFICE	Mastic	No	Soft Homogeneous	Off-white	100% Non-fibrous Material	No Asbestos Found
973191	VAPB-1-1-1075-M-519A	OFFICE	Floor Tile	No	Firm Homogeneous	White	100% Non-fibrous Material	No Asbestos Found

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**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY:

QA/QC Officer/Signatory

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Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/21/2018

Page 13 of 31

## CERTIFICATE OF PLM ANALYSIS

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/14/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/Gross	Color	Non-asbestiform Components	Asbestiform Components
973192	VAPB-1-1-1075-M-519B	OFFICE	Mastic	No	Soft Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found
974425	VAPB-1-1-1075-M-519C	OFFICE	Concrete	No	Cementitious Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
973193	VAPB-1-1-1075-M-520A	OFFICE	Floor Tile	No	Firm Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973194	VAPB-1-1-1075-M-520B	OFFICE	Mastic	No	Soft Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found
974426	VAPB-1-1-1075-M-520C	OFFICE	Concrete	No	Cementitious Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found

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**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY: 

QA/QC Officer/Signatory

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NVLAP  
LAB# 101032  
PLM & TEM

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

### CERTIFICATE OF PLM ANALYSIS

Page 14 of 31

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/21/2018

#### Sampling Data

BLI Project #: R105415

Date Sampled:

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Sampled By: CLIENT

Date Analyzed: 2/14/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/Gross	Color	Non-asbestiform Components	Asbestiform Components
973195	VAPB-1-1-1075-M-521A	OFFICE	Floor Tile	No	Firm Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973196	VAPB-1-1-1075-M-521B	OFFICE	Mastic	No	Soft Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found
974427	VAPB-1-1-1075-M-521C	OFFICE	Concrete	No	Cementitious Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
973197	VAPB-1-1-1070-M-522A	OFFICE	Cove Base	No	Soft Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
973198	VAPB-1-1-1070-M-522B	OFFICE	Mastic	No	Soft Homogeneous	Off-white	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY: 

QA/QC Officer/Signatory

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Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/21/2018

Page 15 of 31

### CERTIFICATE OF PLM ANALYSIS

#### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/14/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
973199	VAPB-1-1- 1070-M- 523A	OFFICE	Cove Base	No	Soft  Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
973200	VAPB-1-1- 1070-M- 523B	OFFICE	Mastic	No	Soft  Homogeneous	Off-white	100% Non-fibrous Material	No Asbestos Found
973201	VAPB-1-1- 1070-M- 524A	OFFICE	Cove Base	No	Soft  Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
973202	VAPB-1-1- 1070-M- 524B	OFFICE	Mastic	No	Soft  Homogeneous	Off-white	100% Non-fibrous Material	No Asbestos Found
973203	VAPB-1-1- 1087-M- 525	THROUGHOUT	Duct Insulation	Yes	Fibrous Firm  Heterogeneous	White Black	70% Fiber Glass 30% Non-fibrous Material	No Asbestos Found

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**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY: 

QA/QC Officer/Signatory

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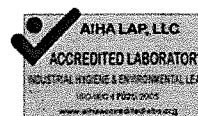
**BATTA LABORATORIES, LLC**

A Certified MBE Company

Delaware Industrial Park, 6 Garfield Way  
Newark, DE19713-5817  
Tel. (302)737-3376 Fax (302) 737-5764

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

EPA LAB ID #DE004



AIHA LAP, LLC.  
LAB# 100448  
PCM & Metals



NVLAP  
LAB# 101032  
PLM & TEM

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/21/2018

Page 16 of 31

## CERTIFICATE OF PLM ANALYSIS

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/14/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973204	VAPB-1-1- 1087-M- 526	THROUGHOUT	Duct Insulation	Yes	Fibrous Firm  Heterogeneous	White Black	80% Fiber Glass 20% Non-fibrous Material	No Asbestos Found
973205	VAPB-1-1- 1087-M- 527	THROUGHOUT	Duct Insulation	Yes	Fibrous Firm  Heterogeneous	White Black	75% Fiber Glass 25% Non-fibrous Material	No Asbestos Found
973206	VAPB-1-1- 1087-M- 528	THROUGHOUT	Sealant	No	Fibrous Soft  Heterogeneous	Off-white Black	2% Fiber Glass 98% Non-fibrous Material	No Asbestos Found
973207	VAPB-1-1- 1087-M- 529	THROUGHOUT	Sealant	No	Fibrous Soft  Heterogeneous	Off-white Black	7% Fiber Glass 93% Non-fibrous Material	No Asbestos Found
973208	VAPB-1-1- 1087-M- 530	THROUGHOUT	Sealant	No	Fibrous Soft  Heterogeneous	Off-white Black	55% Fiber Glass 45% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY: 

QA/QC Officer/Signatory

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\*The test data pertain only to the items tested. No assumptions or conclusions should be made to materials or samples not analyzed. Furthermore, Batta Laboratories, LLC assumes no responsibility for the accuracy of results influenced by the use of improper collection techniques or equipment.

\*Organically-bound, nonfriable material may interfere with the accurate quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY Item 198.6/198.4 over the Chatfield method. When point count techniques are utilized on organically-bound, nonfriable materials without the EPA-recommended matrix reduction steps, Batta Laboratories assumes no responsibility regarding the accuracy or precision associated with these results. In these cases, Batta employs a modified version of the EPA point count method.

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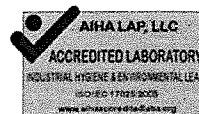
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EPA LAB ID #DE004



AIHA LAP, LLC.  
LAB# 100448  
PCM & Metals



NVLAP  
LAB# 101032  
PLM & TEM

Dept. Code: PLM

Rev. #: 0  
Batch#: N/A  
COC#: N/A

### CERTIFICATE OF PLM ANALYSIS

Page 17 of 31

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/21/2018

#### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/14/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/Gross	Color	Non-asbestiform Components	Asbestiform Components
973209	VAPB-1-1-1092-M-531A	COOLER	Cork Insulation	Yes	Soft Homogeneous	Brown	100% Non-fibrous Material	No Asbestos Found
974428	VAPB-1-1-1092-M-531B	COOLER	Tar	No	Soft Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
973210	VAPB-1-1-1092-M-532A	COOLER	Cork Insulation	Yes	Soft Homogeneous	Brown	100% Non-fibrous Material	No Asbestos Found
974429	VAPB-1-1-1092-M-532B	COOLER	Tar	No	Soft Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
973211	VAPB-1-1-1092-M-533A	COOLER	Cork Insulation	Yes	Soft Homogeneous	Brown	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY: 

QA/QC Officer/Signatory

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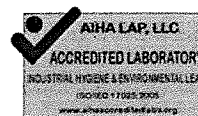
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EPA LAB ID #DE004



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NVLAP  
LAB# 101032  
PLM & TEM

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/21/2018

Page 18 of 31

### CERTIFICATE OF PLM ANALYSIS

#### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/14/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
974430	VAPB-1-1- 1092-M- 533B	COOLER	Tar	No	Soft  Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
973212	VAPB-1-B- D-M-537	BASEMENT	Firebrick	No	Firm  Homogeneous	Gray White Tan	100% Non-fibrous Material	No Asbestos Found
973213	VAPB-1-B- D-M-538	BASEMENT	Firebrick	No	Firm  Homogeneous	Gray White Tan	100% Non-fibrous Material	No Asbestos Found
973214	VAPB-1-B- D-M-539	BASEMENT	Firebrick	N/A	Firm  Homogeneous	Gray Tan	100% Non-fibrous Material	No Asbestos Found
973215	VAPB-1- GFL-D-M- 543A	HALLWAY	Floor Tile	No	Firm  Homogeneous	White Gray Tan	97% Non-fibrous Material	3% Chrysotile

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY:   
QA/QC Officer/Signatory

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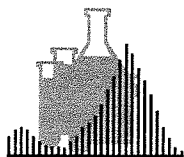
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PLM & TEM

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**Dept. Code: PLM**

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 19 of 31

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/21/2018

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT


Date Analyzed: 2/15/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
973216	VAPB-1- GFL-D-M- 543B	HALLWAY	Mastic	No	Soft  Homogeneous	Black	98% Non-fibrous Material	2% Chrysotile
973217	VAPB-1- GFL-D-M- 544A	HALLWAY	Floor Tile	No	Firm  Homogeneous	Black	97% Non-fibrous Material	3% Chrysotile
973218	VAPB-1- GFL-D-M- 544B	HALLWAY	Mastic	No	Soft  Homogeneous	Clear	100% Non-fibrous Material	No Asbestos Found
973219	VAPB-1- GFL-D44B- M-545A	OFFICE	Floor Tile	No	Firm  Homogeneous	White Gray	100% Non-fibrous Material	No Asbestos Found
973220	VAPB-1- GFL-D44B- M-545B	OFFICE	Mastic	No	Soft  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY:   
QA/QC Officer/Signatory

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Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

Dept. Code: PLM

Rev. #: 0  
Batch#: N/A  
COC#: N/A

### CERTIFICATE OF PLM ANALYSIS

Page 20 of 31

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/21/2018

#### Sampling Data

BLI Project #: R105415  
Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1


Date Sampled:  
Sampled By: CLIENT  
Date Analyzed: 2/15/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
974558	VAPB-1- GFL-D44B- M-545C	OFFICE	Leveling	No	Granular  Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
973221	VAPB-1- GFL-D44B- M-546A	OFFICE	Floor Tile	No	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973222	VAPB-1- GFL-D44B- M-546B	OFFICE	Mastic	No	Soft  Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
974559	VAPB-1- GFL-D44B- M-546C	OFFICE	Yellow Mastic	No	Soft  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973223	VAPB-1- GFL-D34- M-547A	OFFICE	Floor Tile	No	Firm  Homogeneous	Blue	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY:   
QA/QC Officer/Signatory

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**Dept. Code: PLM**

Rev. #: 0

Batch#: N/A

COC#: N/A

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/21/2018

Page 21 of 31

## CERTIFICATE OF PLM ANALYSIS

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/15/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/Gross	Color	Non-asbestiform Components	Asbestiform Components
973224	VAPB-1-GFL-D34-M-547B	OFFICE	Mastic	No	Soft Homogeneous	Black	95% Non-fibrous Material	5% Chrysotile
973225	VAPB-1-GFL-D35-M-548A	OFFICE	Floor Tile	No	Firm Homogeneous	Blue	100% Non-fibrous Material	No Asbestos Found
973226	VAPB-1-GFL-D35-M-548B **	OFFICE	Mastic					Sample Not Analyzed (positive stop rules)
973227	VAPB-1-GFL-D36-M-549A	OFFICE	Floor Tile	No	Firm Homogeneous	Blue	100% Non-fibrous Material	No Asbestos Found
973228	VAPB-1-GFL-D36-M-549B **	OFFICE	Mastic					Sample Not Analyzed (positive stop rules)

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY: 

QA/QC Officer/Signatory

\*\* This sample was not analyzed for reasons noted in the far right column. Batta Labs, LLC will not charge clients for samples not analyzed. Please contact Batta if charged in error.

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Dept. Code: PLM

Rev. #: 0  
Batch#: N/A  
COC#: N/A

### CERTIFICATE OF PLM ANALYSIS

Page 22 of 31

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/21/2018

#### Sampling Data

BLI Project #: R105415

Date Sampled:

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Sampled By: CLIENT

Date Analyzed: 2/15/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
973229	VAPB-1- GFL-D32- M-550A	OFFICE	Floor Tile	No	Firm  Homogeneous	Gray White Tan	100% Non-fibrous Material	No Asbestos Found
973230	VAPB-1- GFL-D32- M-550B	OFFICE	Mastic	No	Firm  Homogeneous	Off-white Gray	100% Non-fibrous Material	No Asbestos Found
973231	VAPB-1- GFL-D32- M-551A	OFFICE	Floor Tile	No	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973232	VAPB-1- GFL-D32- M-551B	OFFICE	Mastic	No	Soft  Heterogeneous	Yellow Black	100% Non-fibrous Material	< 1% Chrysotile
973233	VAPB-1- GFL-MRI- M-552	GENERAL ACCESS	Ceiling Tile	No	Fibrous  Homogeneous	Gray White	35% Mineral Wool 45% Cellulose 20% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY: 

QA/QC Officer/Signatory

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NVLAP  
LAB# 101032  
PLM & TEM

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

### CERTIFICATE OF PLM ANALYSIS

Page 23 of 31

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/21/2018

#### Sampling Data

BLI Project #: R105415

Date Sampled:

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Sampled By: CLIENT

Date Analyzed: 2/15/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
973234	VAPB-1- GFL-MRI- M-553A	GENERAL ACCESS	Cove Base	No	Soft  Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
973235	VAPB-1- GFL-MRI- M-553B	GENERAL ACCESS	Mastic	No	Soft  Heterogeneous	Off-white Black	100% Non-fibrous Material	No Asbestos Found
973236	VAPB-1- GFL-MRI- M-554A	GENERAL ACCESS	Floor Tile	No	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973237	VAPB-1- GFL-MRI- M-554B	GENERAL ACCESS	Mastic	No	Soft  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
974560	VAPB-1- GFL-MRI- M-554C	GENERAL ACCESS	Mastic On Top	No	Soft  Homogeneous	Clear	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY: 

QA/QC Officer/Signatory

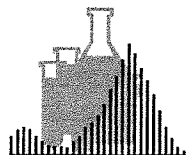
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Newark, DE19713-5817  
Tel. (302)737-3376 Fax (302) 737-5764

EPA LAB ID #DE004



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LAB# 100448  
PCM & Metals



NVLAP  
LAB# 101032  
PLM & TEM

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

**Dept. Code: PLM**

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 24 of 31

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/21/2018

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/20/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
973238	VAPB-1- GFL-MRI- M-555	GENERAL ACCESS	Drywall	No	Granular Fibrous  Heterogeneous	White Tan	< 1% Fiber Glass 5% Cellulose 95% Non-fibrous Material	No Asbestos Found
973239	VAPB-1- GFL-MRI- M-556	GENERAL ACCESS	Joint Compound	No	Granular  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973240	VAPB-1- GFL-MRI- M-557	MECHANICAL ROOM	Raised Flooring	No	Fibrous Firm  Heterogeneous	White Tan	55% Cellulose 45% Non-fibrous Material	No Asbestos Found
973241	VAPB-1- GFL-D46- M-558A	RESTROOM	Floor Tile	No	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973242	VAPB-1- GFL-D46- M-558B	RESTROOM	Mastic	No	Soft  Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY: RLO

QA/QC Officer/Signatory

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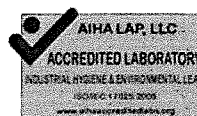
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EPA LAB ID #DE004



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NVLAP  
LAB# 101032  
PLM & TEM

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

Dept. Code: PLM

Rev. #: 0  
Batch#: N/A  
COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 25 of 31

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/21/2018

### Sampling Data

BLI Project #: R105415  
Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:  
Sampled By: CLIENT  
Date Analyzed: 2/20/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/Gross	Color	Non-asbestiform Components	Asbestiform Components
973243	VAPB-1-GFL-D50-M-559A	OFFICE	Floor Tile	No	Firm Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973244	VAPB-1-GFL-D50-M-559B	OFFICE	Adhesive & Mastic	No	Soft Heterogeneous	Black Yellow	100% Non-fibrous Material	No Asbestos Found
973245	VAPB-1-GFL-D01D-M-560A	OFFICE	Floor Tile	No	Firm Homogeneous	White Tan	97% Non-fibrous Material	3% Chrysotile
973246	VAPB-1-GFL-D01D-M-560B	OFFICE	Floor Tile	No	Firm Homogeneous	Black	93% Non-fibrous Material	7% Chrysotile
973247	VAPB-1-GFL-D9B-M-561A	HALLWAY	Floor Tile	N/A	Firm Homogeneous	White	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY:

QA/QC Officer/Signatory

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EPA LAB ID #DE004



AIHA LAP, LLC.  
LAB# 100448  
PCM & Metals



NVLAP  
LAB# 101032  
PLM & TEM

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/21/2018

Page 26 of 31

### CERTIFICATE OF PLM ANALYSIS

#### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/20/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/Gross	Color	Non-asbestiform Components	Asbestiform Components
973248	VAPB-1-GFL-D9B-M-561B	HALLWAY	Mastic	No	Soft Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973249	VAPB-1-GFL-A-7-M-562A	HALLWAY	Floor Tile	No	Firm Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973250	VAPB-1-GFL-A-7-M-562B	HALLWAY	Mastic	No	Soft Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973251	VAPB-1-GFL-A-52-M-563A	HALLWAY	Floor Tile	No	Firm Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973252	VAPB-1-GFL-A-52-M-563B	HALLWAY	Mastic	No	Soft Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY:

QA/QC Officer/Signatory

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EPA LAB ID #DE004



AIHA LAP, LLC.  
LAB# 100448  
PCM & Metals



NVLAP  
LAB# 101032  
PLM & TEM

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 27 of 31

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/21/2018

### Sampling Data

BLI Project #: R105415

Date Sampled:

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Sampled By: CLIENT

Date Analyzed: 2/20/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
973253	VAPB-1- GFL-A7-M- 564A	HALLWAY	Floor Tile	No	Firm  Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
973254	VAPB-1- GFL-A7-M- 564B	HALLWAY	Mastic	No	Soft  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973255	VAPB-1- GFL-A-52- M-565	HALLWAY	Flooring	No	Firm  Heterogeneous	White Black	97% Non-fibrous Material	3% Chrysotile
973257	VAPB-1- GFL-D34- M-566A	OFFICE	Cove Base	No	Soft  Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
973258	VAPB-1- GFL-D34- M-566B	OFFICE	Mastic	No	Firm  Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY: 

QA/QC Officer/Signatory

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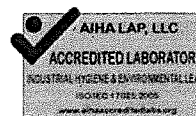
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EPA LAB ID #DE004



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Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/21/2018

Page 28 of 31

## CERTIFICATE OF PLM ANALYSIS

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/20/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
973259	VAPB-1- GFL-D35- M-567	OFFICE	Caulk	No	Soft  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973260	VAPB-1- GFL-D45- M-568	OFFICE	Insulation	No	Fibrous Soft  Heterogeneous	Multi-color	15% Fiber Glass 35% Cellulose 50% Non-fibrous Material	No Asbestos Found
973261	VAPB-1- GFL-D45- M-569	OFFICE	Insulation	No	Fibrous Soft  Heterogeneous	Multi-color	15% Fiber Glass 60% Cellulose 25% Non-fibrous Material	No Asbestos Found
973262	VAPB-1- GFL-D45- M-570	OFFICE	Insulation	No	Fibrous Soft  Heterogeneous	Multi-color	15% Fiber Glass 35% Mineral Wool 30% Cellulose 20% Non-fibrous Material	No Asbestos Found
973263	VAPB-1- GFL-D38- M-571	MECHANICAL ROOM	Mastic	No	Firm  Homogeneous	Brown	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY: 

QA/QC Officer/Signatory

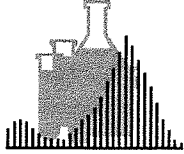
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EPA LAB ID #DE004



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PCM & Metals



NVLAP  
LAB# 101032  
PLM & TEM

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

**CERTIFICATE OF PLM ANALYSIS**

Page 29 of 31

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/21/2018

**Sampling Data**

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/20/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
973264	VAPB-1- GFL-D38- M-572	MECHANICAL ROOM	Mastic	No	Firm  Homogeneous	Brown	100% Non-fibrous Material	No Asbestos Found
973265	VAPB-1- GFL-D38- M-573	MECHANICAL ROOM	Mastic	No	Firm  Homogeneous	Brown	100% Non-fibrous Material	No Asbestos Found
973266	VAPB-1- GFL-D45- M-574	OFFICE	Duct Sealant	No	Soft  Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
973267	VAPB-1- GFL-D34- M-575	OFFICE	Sound Proofing	No	Soft  Homogeneous	Black	98% Non-fibrous Material	2% Chrysotile
973268	VAPB-1- GFL-D50- M-576A	OFFICE	Cove Base	No	Soft  Homogeneous	Gray Black	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY: 

QA/QC Officer/Signatory

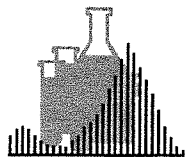
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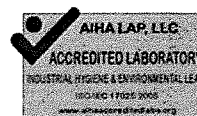
## BATTA LABORATORIES, LLC

A Certified MBE Company

Delaware Industrial Park, 6 Garfield Way  
Newark, DE 19713-5817  
Tel. (302) 737-3376 Fax (302) 737-5764

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EPA LAB ID #DE004



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LAB# 100448  
PCM & Metals



NVLAP  
LAB# 101032  
PLM & TEM

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/21/2018

Page 30 of 31

### CERTIFICATE OF PLM ANALYSIS

#### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/20/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/Gross	Color	Non-asbestiform Components	Asbestiform Components
973269	VAPB-1-GFL-D50-M-576B	OFFICE	Mastic	No	Soft Homogeneous	Off-white	100% Non-fibrous Material	No Asbestos Found
973270	VAPB-1-GFL-D47-M-577A	OFFICE	Cove Base	No	Soft Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
973271	VAPB-1-GFL-D47-M-577B	OFFICE	Mastic	No	Soft Homogeneous	Off-white	100% Non-fibrous Material	No Asbestos Found
973272	VAPB-1-GFL-D45A-M-578A	OFFICE	Cove Base	No	Soft Homogeneous	Beige	100% Non-fibrous Material	No Asbestos Found
973273	VAPB-1-GFL-D45A-M-578B	OFFICE	Mastic	No	Soft Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY: 

QA/QC Officer/Signatory

\*This report does not constitute endorsement by NVLAP and/or any other US government agencies.

\*The test data pertain only to the items tested. No assumptions or conclusions should be made to materials or samples not analyzed. Furthermore, Batta Laboratories, LLC assumes no responsibility for the accuracy of results influenced by the use of improper collection techniques or equipment.

\*Organically-bound, nonfriable material may interfere with the accurate quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY Item 198.6/198.4 over the Chatfield method. When point count techniques are utilized on organically-bound, nonfriable materials without the EPA-recommended matrix reduction steps, Batta Laboratories assumes no responsibility regarding the accuracy or precision associated with these results. In these cases, Batta employs a modified version of the EPA point count method.

\*WRTA refers to a group of fibrous Amphiboles typically associated with 'Libby Amphibole.' Within this classification are: winchite, richierite, tremolite, and actinolite.

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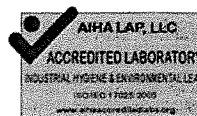
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Delaware Industrial Park, 6 Garfield Way  
Newark, DE 19713-5817  
Tel. (302) 737-3376 Fax (302) 737-5764

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

EPA LAB ID #DE004



AIHA LAP, LLC.  
LAB# 100448  
PCM & Metals



NVLAP  
LAB# 101032  
PLM & TEM

**Dept. Code: PLM**

Rev. #: 0  
Batch#: N/A  
COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 31 of 31

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/21/2018

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/20/2018

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973274	VAPB-1- GFL-D44A- M-579	IN HOUSE SERVICE	Ceiling Tile	Yes	Fibrous  Homogeneous	Gray White	40% Mineral Wool 40% Cellulose 20% Non-fibrous Material	No Asbestos Found
973275	VAPB-1- GFL-D35- M-580A	HALLWAY	Cove Base	No	Soft  Homogeneous	Beige	100% Non-fibrous Material	No Asbestos Found
973276	VAPB-1- GFL-D35- M-580B	HALLWAY	Mastic	No	Soft  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973277	VAPB-1- GFL-D-M- 581	HALLWAY	Ceiling Tile	Yes	Fibrous  Homogeneous	Gray White	45% Mineral Wool 35% Cellulose 20% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY: 

QA/QC Officer/Signatory

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\*WRTA refers to a group of fibrous Amphiboles typically associated with 'Libby Amphibole.' Within this classification are: winchite, richierite, tremolite, and actinolite.

Sample ID	Functional Area	Homogeneous Area ID	Friability Category
VAPB-1-1-1085-M-474	Loading Dock	5: 2'x4' CT- Pinhole w/ 1" Wormhole	Friable
VAPB-1-1-1082-M-475	Storage	5: 2'x4' CT- Pinhole w/ 1" Wormhole	Friable
VAPB-1-1-1082-M-476	Storage	5: 2'x4' CT- Pinhole w/ 1" Wormhole	Friable
VAPB-1-1-1082-M-477	Storage	9: 2'x4' CT- Pinhole w/ 1/4" Wormhole	Friable
VAPB-1-1-1073-M-478	Office	9: 2'x4' CT- Pinhole w/ 1/4" Wormhole	Friable
VAPB-1-1-1093-M-479	Office	9: 2'x4' CT- Pinhole w/ 1/4" Wormhole	Friable
VAPB-1-1-1087-M-480	Restroom	12: 2'x4' CT- Textured Drywall	Friable
VAPB-1-1-1087-M-481	Restroom	12: 2'x4' CT- Textured Drywall	Friable
VAPB-1-1-1090-M-482	Restroom	12: 2'x4' CT- Textured Drywall	Friable
VAPB-1-1-1087-M-483	Restroom	13: Interior Window Caulk- Yellow	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1087-M-484	Restroom	13: Interior Window Caulk- Yellow	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1087-M-485	Restroom	13: Interior Window Caulk- Yellow	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1087-M-486	Restroom	108: White Silicone Caulk (Kitchen Freezers/Coolers)	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1087-M-487	Cooler	108: White Silicone Caulk (Kitchen Freezers/Coolers)	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1087-M-488	Cooler	108: White Silicone Caulk (Kitchen Freezers/Coolers)	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1080-S-489	Custodian Closet	15: Plaster	Friable
VAPB-1-1-1088-S-490	Storage	15: Plaster	Friable
VAPB-1-1-1088-S-491	Storage	15: Plaster	Friable
VAPB-1-1-1088-M-492	Storage	19: 12"x12" Floor Tile- White w/ Black Stripes	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1088-M-493	Storage	19: 12"x12" Floor Tile- White w/ Black Stripes	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1088-M-494	Storage	19: 12"x12" Floor Tile- White w/ Black Stripes	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1089-M-495	Storage	20: 12"x12" Floor Tile- Beige w/ Tan Specs	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1089-M-496	Storage	20: 12"x12" Floor Tile- Beige w/ Tan Specs	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1089-M-497	Storage	20: 12"x12" Floor Tile- Beige w/ Tan Specs	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1091-M-498	Cooler	24: Interior Silicone Caulk- Gray	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1091-M-499	Cooler	24: Interior Silicone Caulk- Gray	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1091-M-500	Cooler	24: Interior Silicone Caulk- Gray	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1092-M-501	Cooler	27: Interior Caulk- Silver (Metallic)	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1092-M-502	Cooler	27: Interior Caulk- Silver (Metallic)	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1092-M-503	Cooler	27: Interior Caulk- Silver (Metallic)	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1071-M-504	Kitchen	31: Duct Seam Sealant- Gray	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1071-M-505	Kitchen	31: Duct Seam Sealant- Gray	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1071-M-506	Kitchen	31: Duct Seam Sealant- Gray	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1071-M-507	Kitchen	45: Interior Window Glazing- Gray (Thin)	CAT 1 Non-Friable (FT/M)

VAPB-1-1-1097-M-508	073177	Kitchen	45: Interior Window Glazing- Gray (Thin)	NA/PS	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1097-M-509	-178	Kitchen	45: Interior Window Glazing- Gray (Thin)	NA/PS	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1098-M-510	-179	Kitchen	18: 2'x4' Vinyl CT- White	NA	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1098-M-511	-180	Kitchen	18: 2'x4' Vinyl CT- White	NA	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1098-M-512	-181	Kitchen	18: 2'x4' Vinyl CT- White	NA	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1098-M-513	-182	Kitchen	16: FRP Walls- White	NA	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1098-M-514	-183	Kitchen	16: FRP Walls- White	NA	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1098-M-515	-184	Kitchen	16: FRP Walls- White	NA	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1075-M-516	-185-186	Office	32: 6" Dark Brown Covebase	NA/NA	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1075-M-517	-187-188	Office	32: 6" Dark Brown Covebase	NA/NA	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1075-M-518	-189-190	Office	32: 6" Dark Brown Covebase	NA/NA	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1075-M-519	-191-192	Office	33: 12"x12" Floor Tile- White w/ Black Specs	NA/NA	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1075-M-520	-193-194	Office	33: 12"x12" Floor Tile- White w/ Black Specs	NA/NA	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1075-M-521	-195-196	Office	33: 12"x12" Floor Tile- White w/ Black Specs	NA/NA	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1070-M-522	-197-198	Office	35: 4" Black Covebase	NA/NA	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1070-M-523	-199-200	Office	35: 4" Black Covebase	NA/NA	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1070-M-524	-201-202	Office	35: 4" Black Covebase	NA/NA	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1087-M-525	-203	Throughout	43: Interior Duct Insulation- Black	NA	Friable
VAPB-1-1-1087-M-526	-204	Throughout	43: Interior Duct Insulation- Black	NA	Friable
VAPB-1-1-1087-M-527	-205	Throughout	43: Interior Duct Insulation- Black	NA	Friable
VAPB-1-1-1087-M-528	-206	Throughout	44: Duct Seam Sealant- White (Inside Duct)	NA	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1087-M-529	-207	Throughout	44: Duct Seam Sealant- White (Inside Duct)	NA	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1087-M-530	-208	Throughout	44: Duct Seam Sealant- White (Inside Duct)	NA	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1092-M-531	-209	Cooler	46: Cooler Cork Insulation	NA/NA	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1092-M-532	-210	Cooler	46: Cooler Cork Insulation	NA/NA	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1092-M-533	-211	Cooler	46: Cooler Cork Insulation	NA/NA	CAT 1 Non-Friable (FT/M)
VAPB-1-B-D-T-534	-	Basement	47: Cork Pipe Insulation (Black)		Friable
VAPB-1-B-D-T-535	-	Basement	47: Cork Pipe Insulation (Black)		Friable
VAPB-1-B-D-T-536	-	Basement	47: Cork Pipe Insulation (Black)		Friable
VAPB-1-B-D-M-537	-212	Basement	48: Firebrick	NA	CAT 1 Non-Friable (FT/M)
VAPB-1-B-D-M-538	-213	Basement	48: Firebrick	NA	CAT 1 Non-Friable (FT/M)
VAPB-1-B-D-M-539	-214	Basement	48: Firebrick	NA	CAT 1 Non-Friable (FT/M)
VAPB-1-B-D-540	-	Basement	49: Cork Pipe Insulation Wrap (White)		Friable
VAPB-1-B-D-541	-	Basement	49: Cork Pipe Insulation Wrap (White)		Friable
VAPB-1-B-D-542	-	Basement	49: Cork Pipe Insulation Wrap (White)		Friable
VAPB-1-GFL-D-M-543	-215-216	Hallway	65: 12"x12" FT- Off White w/ Grey&Tan Specs	NA/PS	CAT 1 Non-Friable (FT/M)
VAPB-1-GFL-D-M-544	-217-218	Hallway	64: 12"x12" FT- Black w/ White Specs	NA/PS	CAT 1 Non-Friable (FT/M)

Chgs. 3, Chgs. 6  
Chgs. 3, NA

★ Samples not received - per client

★ ★ ★ ★ ★

VAPB-1-GFL-D44B-M-545	Office	73: 12"x12" FT- Light Grey w/ White and Dark Grey Specs	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-D44B-M-546	Office	217: Unknown floor tile beneath HMA 73	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-D34-M-547	Office	75: 12"x12" FT- Blue w/ Navy&White Specs (Brushed)	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-D35-M-548	Office	75: 12"x12" FT- Blue w/ Navy&White Specs (Brushed)	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-D36-M-549	Office	75: 12"x12" FT- Blue w/ Navy&White Specs (Brushed)	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-D32-M-550	Office	20: 12"x12" Floor Tile- Beige w/ Tan & White Specs (Brushed)	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-D32-M-551	Office	98: 12"x12" Floor Tile: Cream w/ Pink and Gray Specs (Marble)	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-MRI-M-552	General Access	218: 2X2 White ceiling tile - MRI	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-MRI-M-553	General Access	219: Tan 4" cove base with tan glue - MRI	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-MRI-M-554	General Access	220: Beige 12x12 floor tile w/ yellow mastic - MRI	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-MRI-M-555	General Access	221: White drywall sheeting - MRI	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-MRI-M-556	General Access	222: White drywall joint compound - MRI	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-MRI-M-557	Mechanical Room	223: White 2'x2' raised laminate flooring - MRI	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-D46-M-558	Restroom	179: 12"x12" FT: White w/ Light Gray Background and Blue	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-D50-M-559	Office	33: 12"x12" Floor Tile- White w/ Black Specs (~140)	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-D01D-M-560	Office	103: 12"x12" Floor Tile- Dark Tan Marble Design	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-D9B-M-561	Hallway	57: Floor Tiles 51-54 Ground Floor Hallways	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-A-7-M-562	Hallway	57: Floor Tiles 51-54 Ground Floor Hallways	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-A-52-M-563	Hallway	57: Floor Tiles 51-54 Ground Floor Hallways	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-A7-M-564	Hallway	224: Unknown dark floor tile under HMA 57	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-A-52-M-565	Hallway	224: Unknown dark floor tile under HMA 57	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-D34-M-566	Office	35: 4" Covebase- Black w/brown mastic	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-D35-M-567	Office	14: Interior Caulk- White	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-D45-M-568	Office	99: White Fiberglass Duct Insulation w/ Green Adhesive	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-D45-M-569	Office	99: White Fiberglass Duct Insulation w/ Green Adhesive	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-D45-M-570	Office	99: White Fiberglass Duct Insulation w/ Green Adhesive	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-D38-M-571	Mechanical Room	78: Ceramic Block Wall Adhesive- Dark Brown	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-D38-M-572	Mechanical Room	78: Ceramic Block Wall Adhesive- Dark Brown	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-D38-M-573	Mechanical Room	78: Ceramic Block Wall Adhesive- Dark Brown	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-D45-M-574	Office	38: Duct Sealant Under Aluminum Tape- Gray	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-D34-M-575	Office	76: Sink Soundproofing- Black	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-D50-M-576	Office	68: 6" Covebase- Black	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-D47-M-577	Office	71: 4" Covebase- Light Gray	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-D45A-M-578	Office	74: 4" Covebase- Tan	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-D44A-M-579	In House Service	70: 2'x4' CT- Pinhole & Large Defined Henpeck	Friable	MD, MD, MD, MD
VAPB-1-GFL-D35-M-580	Hallway	50: 6" Covebase- Tan	CAT 1 Non-Friable (FT/M)	MD, MD, MD, MD
VAPB-1-GFL-D-M-581	Hallway	5: 2'x4' CT- Pinhole w/ 1" Wormhole (Some look different b	Friable	MD, MD, MD, MD



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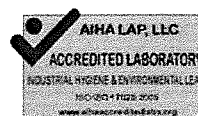
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Delaware Industrial Park, 6 Garfield Way  
Newark, DE 19713-5817  
Tel. (302) 737-3376 Fax (302) 737-5764

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PLM & TEM

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

**Dept. Code: PLM**

Rev. #: 0  
Batch#: N/A  
COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 1 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/22/2018

### Sampling Data

BLI Project #: R105415  
Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:  
Sampled By: CLIENT  
Date Analyzed: 2/21/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973279	VAPB-1- GFL-D50- M-583	OFFICE	Ceiling Tile	Yes	Fibrous  Homogeneous	Gray White	40% Cellulose 20% Non-fibrous Material	No Asbestos Found
973280	VAPB-1- GFL-D50- M-584	OFFICE	Ceiling Tile	Yes	Fibrous  Homogeneous	Gray White	40% Mineral Wool 40% Cellulose 20% Non-fibrous Material	No Asbestos Found
973281	VAPB-1- GFL-D50- M-585	OFFICE	Ceiling Tile	Yes	Fibrous  Homogeneous	Gray White	40% Mineral Wool 40% Cellulose 20% Non-fibrous Material	No Asbestos Found
973282	VAPB-1- GFL-D38- M-586	MECHANICAL ROOM	Tectum	Yes	Granular Fibrous  Homogeneous	Tan Gray	70% Cellulose 30% Non-fibrous Material	No Asbestos Found
973283	VAPB-1- GFL-D-M- 587	HALLWAY	Pipe Dope	No	Soft  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found

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**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY:

QA/QC Officer/Signatory

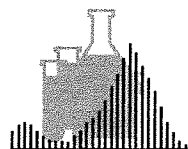
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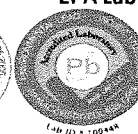
**BATTA LABORATORIES, LLC**

A Certified MBE Company

Delaware Industrial Park, 6 Garfield Way

Newark, DE19713-5817

Tel. (302)737-3376 Fax (302) 737-5764



**NVLAP**  
Lab Code: 101032-0

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

**Dept. Code: PLM**

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 2 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/21/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
973284	VAPB-1- GFL-D-M- 588	HALLWAY	Pipe Dope	N/A	Soft  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973285	VAPB-1- GFL-D-M- 589	HALLWAY	Pipe Penetration	No	Granular Fibrous  Homogeneous	Gray	30% Mineral Wool 70% Non-fibrous Material	No Asbestos Found
973286	VAPB-1- GFL-D-M- 590	HALLWAY	Pipe Penetration					Insufficient Material For Analysis
973287	VAPB-1- GFL-D30A- T-591	OFFICE	Tar Paper	Yes	Fibrous Soft  Homogeneous	Black	30% Cellulose 70% Non-fibrous Material	No Asbestos Found
973288	VAPB-1- GFL-D01D- M-592	HALLWAY	Glaze	No	Firm  Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY:

QA/QC Officer/Signatory

\*\* This sample was not analyzed for reasons noted in the far right column. Batta Labs, LLC will not charge clients for samples not analyzed. Please contact Batta if charged in error.

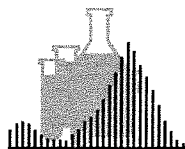
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\*The test data pertain only to the items tested. No assumptions or conclusions should be made to materials or samples not analyzed. Furthermore, Batta Laboratories, LLC assumes no responsibility for the accuracy of results influenced by the use of improper collection techniques or equipment.

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\*WRTA refers to a group of fibrous Amphiboles typically associated with 'Libby Amphibole.' Within this classification are: winchite, richierite, tremolite, and actinolite.

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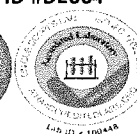
## BATTA LABORATORIES, LLC

A Certified MBE Company

Delaware Industrial Park, 6 Garfield Way

Newark, DE 19713-5817

Tel. (302) 737-3376 Fax (302) 737-5764



EPA Lab ID #DE004

**NVLAP**

Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

### CERTIFICATE OF PLM ANALYSIS

Page 3 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

#### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/21/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973289	VAPB-1- GFL-C-M- 593	HALLWAY	Caulk	No	Soft  Homogeneous	Clear Gray	100% Non-fibrous Material	No Asbestos Found
973290	VAPB-1- GFL-A-M- 606	DIRT CRAWL SPACE	Vinyl	No	Soft  Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
973291	VAPB-1- GFL-A-M- 607	DIRT CRAWL SPACE	Vinyl	No	Fibrous Soft  Homogeneous	Black White	5% Synthetic Fiber 95% Non-fibrous Material	No Asbestos Found
973292	VAPB-1- GFL-A-M- 608	DIRT CRAWL SPACE	Tectum	Yes	Fibrous  Homogeneous	Tan Gray	93% Cellulose 7% Non-fibrous Material	No Asbestos Found
973293	VAPB-1- GFL-E67- M-609A	LAUNDRY	Floor Tile	No	Firm  Homogeneous	Gray White	100% Non-fibrous Material	No Asbestos Found

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**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY: 

QA/QC Officer/Signatory

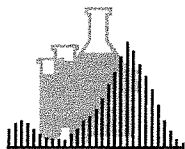
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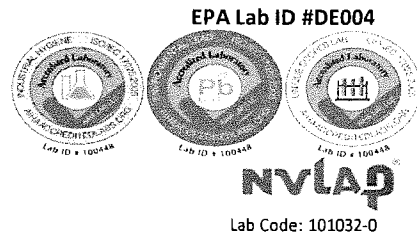


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Newark, DE19713-5817

Tel. (302)737-3376 Fax (302) 737-5764



Lab Code: 101032-0

**Dept. Code: PLM**

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

Rev. #: 0

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Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

Page 4 of 45

## CERTIFICATE OF PLM ANALYSIS

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/21/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
973294	VAPB-1- GFL-E67- M-609B	LAUNDRY	Mastic	No	Soft  Homogeneous	Clear	100% Non-fibrous Material	No Asbestos Found
973295	VAPB-1- GFL-E67- M-610A	LAUNDRY	Cove Base	No	Soft  Homogeneous	Brown Gray	100% Non-fibrous Material	No Asbestos Found
973296	VAPB-1- GFL-E67- M-610B	LAUNDRY	Mastic	No	Soft  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973297	VAPB-1- GFL-E67- M-611A	LAUNDRY	Floor Tile	No	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973298	VAPB-1- GFL-E67- M-611B	LAUNDRY	Mastic	N/A	Soft  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY:

QA/QC Officer/Signatory

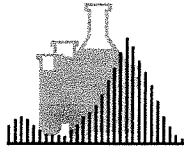
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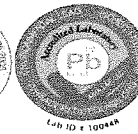
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Tel. (302)737-3376 Fax (302) 737-5764



**NVLAP**  
Lab Code: 101032-0

**Dept. Code: PLM**

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

Rev. #: 0

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## CERTIFICATE OF PLM ANALYSIS

Page 5 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/21/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
973299	VAPB-1- GFL-E67- M-612	LAUNDRY	Sound Proofing	N/A	Soft	Gray Silver	2% Muscovite 98% Non-fibrous Material	No Asbestos Found
					Homogeneous			
973300	VAPB-1- GFL-A75- M-613	OFFICE	Terrazzo	No	Firm	Gray Tan	100% Non-fibrous Material	No Asbestos Found
					Homogeneous			
973302	VAPB-1- GFL-A-M- 614A	HALLWAY	Floor Tile	No	Firm	White	100% Non-fibrous Material	No Asbestos Found
					Homogeneous			
973303	VAPB-1- GFL-A-M- 614B	HALLWAY	Mastic	No	Soft	Black	100% Non-fibrous Material	No Asbestos Found
					Homogeneous			
973304	VAPB-1- GFL-A-M- 615A	HALLWAY	Floor Tile	No	Firm	White	100% Non-fibrous Material	No Asbestos Found
					Homogeneous			

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ANALYST: M. COLLINS

REVIEWED BY:

RU  
QA/QC Officer/Signatory

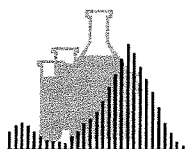
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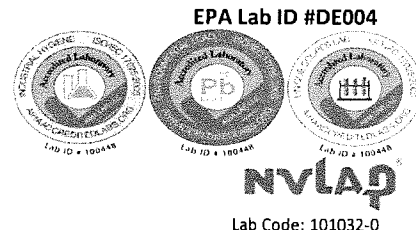
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Tel. (302) 737-3376 Fax (302) 737-5764



Lab Code: 101032-0

Dept. Code: PLM

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

Rev. #: 0  
Batch#: N/A  
COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 6 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/21/2018

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					

973305	VAPB-1- GFL-A-M- 615B	HALLWAY	Mastic	No	Soft  Heterogeneous	Black Tan	100% Non-fibrous Material	No Asbestos Found
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973306	VAPB-1- GFL-A-M- 616A	HALLWAY	Floor Tile	No	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
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973307	VAPB-1- GFL-A-M- 616B	HALLWAY	Mastic	No	Soft  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
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973308	VAPB-1- GFL-A02- M-617A	OFFICE	Floor Tile	No	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
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973309	VAPB-1- GFL-A02- M-617B	OFFICE	Mastic	No	Soft  Homogeneous	Black	98% Non-fibrous Material	2% Chrysotile
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**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY:   
QA/QC Officer/Signatory

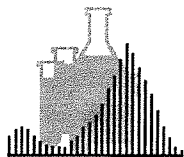
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Delaware Industrial Park, 6 Garfield Way  
Newark, DE 19713-5817  
Tel. (302) 737-3376 Fax (302) 737-5764

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

EPA LAB ID #DE004



AIHA LAP, LLC.  
LAB# 100448  
PCM & Metals



NVLAP  
LAB# 101032  
PLM & TEM

Dept. Code: PLM

Rev. #: 0  
Batch#: N/A  
COC#: N/A

### CERTIFICATE OF PLM ANALYSIS

Page 7 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 2/22/2018

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/21/2018

#### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					

973310	VAPB-1- GFL-A56- M-618A	OFFICE	Floor Tile	No	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
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973311	VAPB-1- GFL-A56- M-618B	OFFICE	Mastic	No	Soft  Homogeneous	Black	98% Non-fibrous Material	2% Chrysotile
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973312	VAPB-1- GFL-A72- M-619	OFFICE	Floor Tile	No	Firm  Homogeneous	Black	98.5% Non-fibrous Material	1.5% Chrysotile
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973314	VAPB-1- GFL-A53- M-620A	OFFICE	Floor Tile	No	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
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973315	VAPB-1- GFL-A53- M-620B	OFFICE	Mastic	No	Soft  Homogeneous	Black	98% Non-fibrous Material	2% Chrysotile
--------	-------------------------------	--------	--------	----	-------------------------	-------	-----------------------------	---------------

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**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY: 

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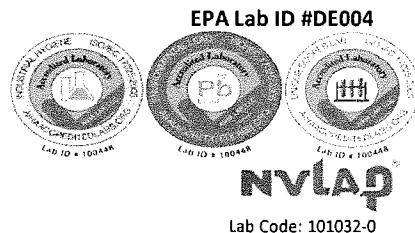
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**Dept. Code: PLM**

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 8 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/21/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973316	VAPB-1- GFL-A81- M-621	MECHANICAL ROOM	Caulk	No	Soft  Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
973317	VAPB-1- GFL-A81- M-622	MECHANICAL ROOM	Penetration Caulk	No	Soft  Homogeneous	Purple Black	100% Non-fibrous Material	No Asbestos Found
973318	VAPB-1- GFL-A18- M-623A	OFFICE	Cove Base	No	Soft  Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
973319	VAPB-1- GFL-A18- M-623B	OFFICE	Mastic	No	Soft  Homogeneous	Off-white	100% Non-fibrous Material	No Asbestos Found
973320	VAPB-1- GFL-A-M- 624	HALLWAY	Ceiling Tile	Yes	Fibrous  Homogeneous	Gray White Tab	35% Mineral Wool 55% Cellulose 10% Non-fibrous Material	No Asbestos Found

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ANALYST: M. COLLINS

REVIEWED BY:

QA/QC Officer/Signatory

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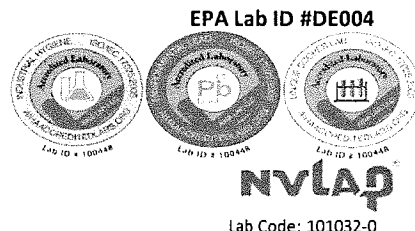
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**BATTA LABORATORIES, LLC**

A Certified MBE Company

Delaware Industrial Park, 6 Garfield Way  
Newark, DE19713-5817

Tel. (302)737-3376 Fax (302) 737-5764



Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

**Dept. Code: PLM**

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 9 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/21/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973321	VAPB-1- GFL-A052- M-625	OFFICE	Caulk	No	Soft  Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
973322	VAPB-1- GFL-A052- M-626	OFFICE	Caulk	No	Soft  Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
973323	VAPB-1- GFL-A052- M-627	OFFICE	Caulk	No	Soft  Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
973324	VAPB-1- GFL-A052- M-628	OFFICE	Adhesive	No	Soft  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973326	VAPB-1- GFL-A052- M-629	OFFICE	Adhesive	No	Soft  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY: 

QA/QC Officer/Signatory

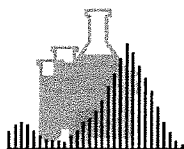
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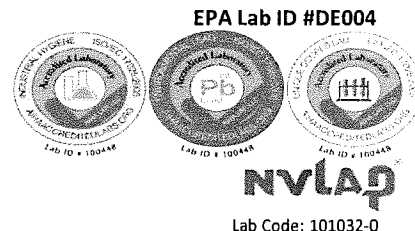


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A Certified MBE Company

Delaware Industrial Park, 6 Garfield Way  
Newark, DE 19713-5817

Tel. (302) 737-3376 Fax (302) 737-5764



Lab Code: 101032-0

Dept. Code: PLM

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

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Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

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Date Sampled:

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Sampled By: CLIENT

Date Analyzed: 2/21/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/Gross	Color	Non-asbestiform Components	Asbestiform Components
973328	VAPB-1-GFL-A052-M-630	OFFICE	Adhesive	No	Soft Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973330	VAPB-1-GFL-D-M-631	HALLWAY	Caulk	No	Soft Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973331	VAPB-1-GFL-D-M-632A	OFFICE	Cove Base	No	Soft Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
973332	VAPB-1-GFL-D-M-632B	OFFICE	Mastic	No	Soft Homogeneous	Clear	100% Non-fibrous Material	No Asbestos Found
973333	VAPB-1-GFL-A-M-633	DIRT CRAWL SPACE	Tectum	Yes	Fibrous Homogeneous	Tan Gray	85% Cellulose 15% Non-fibrous Material	No Asbestos Found

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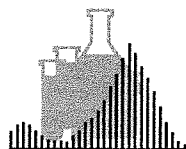
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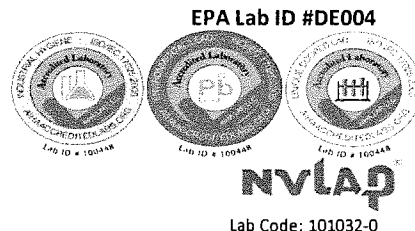
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Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

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Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/21/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973334	VAPB-1-1- 1C-048-M- 634A	OFFICE	Floor Tile	Yes	Firm  Homogeneous	Green	100% Non-fibrous Material	No Asbestos Found
973335	VAPB-1-1- 1C-048-M- 634B	OFFICE	Mastic	Yes	Soft  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973336	VAPB-1-1- 1C-056-M- 635A	PATIENT CARE	Floor Tile	Yes	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973337	VAPB-1-1- 1C-056-M- 635B	PATIENT CARE	Mastic	Yes	Soft  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973338	VAPB-1-1- 1C-056-M- 636A	PATIENT CARE	Floor Tile	Yes	Firm  Homogeneous	Blue	100% Non-fibrous Material	No Asbestos Found

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ANALYST: M. COLLINS

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QA/QC Officer/Signatory

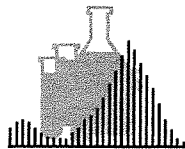
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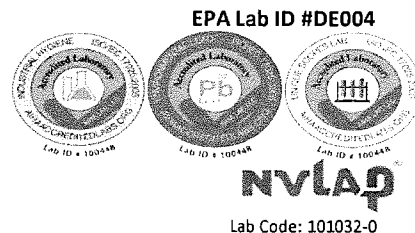
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Lab Code: 101032-0

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Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

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Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/21/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973339	VAPB-1-1- 1C-056-M- 636B	PATIENT CARE	Mastic	Yes	Soft  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973340	VAPB-1-1- 1C-056-M- 637A	PATIENT CARE	Floor Tile	No	Fibrous Firm  Heterogeneous	Gray White	< 1% Fiber Glass 25% Cellulose 75% Non-fibrous Material	No Asbestos Found
973341	VAPB-1-1- 1C-056-M- 637B	PATIENT CARE	Mastic	No	Soft  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973342	VAPB-1-1- 1A-032-M- 639A	PATIENT CARE	Floor Tile	No	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973343	VAPB-1-1- 1A-032-M- 639B	PATIENT CARE	Mastic	No	Soft  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found

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ANALYST: M. COLLINS

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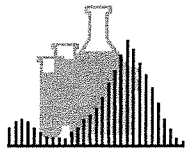
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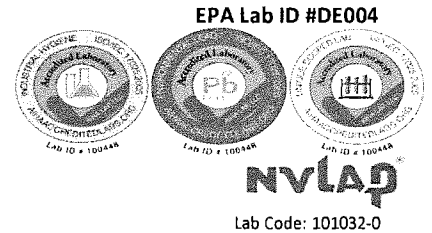
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Delaware Industrial Park, 6 Garfield Way  
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Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973344	VAPB-1-1- 1A-056-M- 640A	PATIENT CARE	Floor Tile	No	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973345	VAPB-1-1- 1A-056-M- 640B	PATIENT CARE	Mastic	No	Soft  Homogeneous	Black	100% Non-fibrous Material	< 1% Chrysotile
975596	VAPB-1-1- 1A-056-M- 640C	PATIENT CARE	Mastic	No	Soft  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973346	VAPB-1-1- 1C-048-M- 641A	OFFICE	Cove Base	No	Soft  Homogeneous	Green	100% Non-fibrous Material	No Asbestos Found
973347	VAPB-1-1- 1C-048-M- 641B	OFFICE	Mastic	No	Soft  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found

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ANALYST: M. COLLINS

REVIEWED BY:

ML  
QA/QC Officer/Signatory

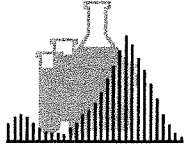
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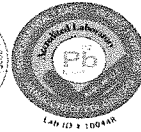
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Tel. (302) 737-3376 Fax (302) 737-5764



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Lab Code: 101032-0

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Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973348	VAPB-1-1- 1056-M- 642	PATIENT CARE	Ceiling Tile	Yes	Fibrous  Homogeneous	Gray White	30% Mineral Wool 55% Cellulose 15% Non-fibrous Material	No Asbestos Found
973349	VAPB-1-1- 1B-015-M- 643A	PATIENT CARE	Floor Tile	No	Firm  Homogeneous	Green	100% Non-fibrous Material	No Asbestos Found
973350	VAPB-1-1- 1B-015-M- 642B	PATIENT CARE	Mastic	No	Soft  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973351	VAPB-1-1- 18-M- 644A	PATIENT CARE	Floor Tile	No	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
975597	VAPB-1-1- 18-M- 644B	PATIENT CARE	Mastic	No	Soft  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found

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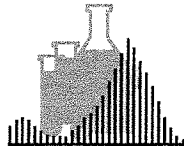
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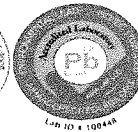
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Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/Gross	Color	Non-asbestiform Components	Asbestiform Components
973352	VAPB-1-1-025A-M-645A	PATIENT CARE	Floor Tile	No	Firm Homogeneous	Brown	100% Non-fibrous Material	No Asbestos Found
975598	VAPB-1-1-025A-M-645B	PATIENT CARE	Mastic	No	Soft Homogeneous	Clear	100% Non-fibrous Material	No Asbestos Found
973353	VAPB-1-1-025A-M-646A	PATIENT CARE	Floor Tile	No	Firm Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
975599	VAPB-1-1-025A-M-646B	PATIENT CARE	Mastic	No	Soft Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973354	VAPB-1-1-27-M-647A	PATIENT CARE	Floor Tile	No	Firm Homogeneous	Brown	100% Non-fibrous Material	No Asbestos Found

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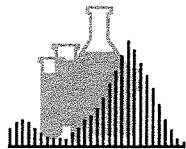
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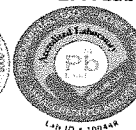


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Tel. (302) 737-3376 Fax (302) 737-5764



**NVLAP**  
Lab Code: 101032-0

EPA Lab ID #DE004

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

**Dept. Code: PLM**

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 16 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/21/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
975600	VAPB-1-1- 27-M- 647B	PATIENT CARE	Mastic	No	Soft  Homogeneous	Clear	100% Non-fibrous Material	No Asbestos Found
973355	VAPB-1-1- 1B-015-M- 648A	PATIENT CARE	Floor Tile	No	Firm  Homogeneous	Brown	100% Non-fibrous Material	No Asbestos Found
975601	VAPB-1-1- 1B-015-M- 648B	PATIENT CARE	Mastic	No	Soft  Homogeneous	Clear	100% Non-fibrous Material	No Asbestos Found
973356	VAPB-1-1- AT STAIRWE LL-M- 649A	HALLWAY	Floor Tile	No	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973357	VAPB-1-1- AT STAIRWE LL-M- 649B	HALLWAY	Mastic	No	Soft  Heterogeneous	White Black	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY: 

QA/QC Officer/Signatory

\*This report does not constitute endorsement by NVLAP and/or any other US government agencies.

\*The test data pertain only to the items tested. No assumptions or conclusions should be made to materials or samples not analyzed. Furthermore, Batta Laboratories, LLC assumes no responsibility for the accuracy of results influenced by the use of improper collection techniques or equipment.

\*Organically-bound, nonfriable material may interfere with the accurate quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY Item 198.6/198.4 over the Chatfield method. When point count techniques are utilized on organically-bound, nonfriable materials without the EPA-recommended matrix reduction steps, Batta Laboratories assumes no responsibility regarding the accuracy or precision associated with these results. In these cases, Batta employs a modified version of the EPA point count method.

\*WRTA refers to a group of fibrous Amphiboles typically associated with 'Libby Amphibole.' Within this classification are: winchite, richterite, tremolite, and actinolite.



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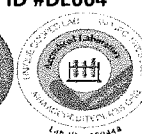
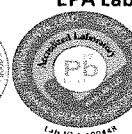
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**BATTA LABORATORIES, LLC**

A Certified MBE Company

Delaware Industrial Park, 6 Garfield Way  
Newark, DE 19713-5817  
Tel. (302) 737-3376 Fax (302) 737-5764



**NVLAP**  
Lab Code: 101032-0

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**Dept. Code: PLM**

Rev. #: 0

Batch#: N/A

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## CERTIFICATE OF PLM ANALYSIS

Page 17 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/21/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/Gross	Color	Non-asbestiform Components	Asbestiform Components
973358	VAPB-1-1-AT STAIRWE LL-M-650A	HALLWAY	Floor Tile	No	Firm Homogeneous	Black	98% Non-fibrous Material	2% Chrysotile
973359	VAPB-1-1-AT STAIRWE LL-M-650B	HALLWAY	Mastic	No	Soft Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973360	VAPB-1-1-1009-M-651A	PATIENT CARE	Floor Tile	No	Firm Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973361	VAPB-1-1-1009-M-651B	PATIENT CARE	Mastic	No	Soft Homogeneous	Clear	100% Non-fibrous Material	No Asbestos Found
973362	VAPB-1-1-1009-M-652A	PATIENT CARE	Leveling Compound	No	Granular Homogeneous	White	100% Non-fibrous Material	No Asbestos Found

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**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY: 

QA/QC Officer/Signatory

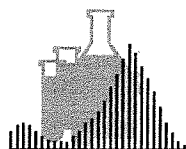
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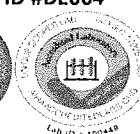
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## BATTA LABORATORIES, LLC

A Certified MBE Company

Delaware Industrial Park, 6 Garfield Way  
Newark, DE 19713-5817  
Tel. (302) 737-3376 Fax (302) 737-5764



**NVLAP**  
Lab Code: 101032-0

EPA Lab ID #DE004

Dept. Code: PLM

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

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### CERTIFICATE OF PLM ANALYSIS

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Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

#### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/21/2018


Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
973363	VAPB-1-1- 1009-M- 652B	PATIENT CARE	Mastic	No	Soft  Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
973364	VAPB-1-1- 57-M-653	PATIENT CARE	Floor Tile	No	Firm  Homogeneous	Light Blue	100% Non-fibrous Material	No Asbestos Found
973366	VAPB-1-1- 57-M- 654A	PATIENT CARE	Floor Tile	No	Fibrous Firm  Heterogeneous	Gray White	< 1% Fiber Glass 25% Cellulose 75% Non-fibrous Material	No Asbestos Found
973367	VAPB-1-1- 57-M- 654B	PATIENT CARE	Mastic	No	Soft  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973368	VAPB-1-1- 007A-M- 655A	OFFICE	Floor Tile	No	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found

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**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY:

  
QA/QC Officer/Signatory

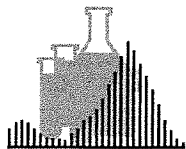
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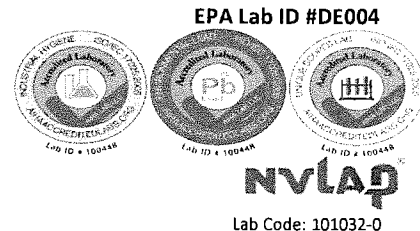
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A Certified MBE Company

Delaware Industrial Park, 6 Garfield Way

Newark, DE 19713-5817

Tel. (302) 737-3376 Fax (302) 737-5764



Lab Code: 101032-0

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

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## CERTIFICATE OF PLM ANALYSIS

Page 19 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 2/21/2018


Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
973369	VAPB-1-1- 007A-M- 655B	OFFICE	Mastic	No	Soft  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973370	VAPB-1-1- 007A-M- 656	OFFICE	Floor Tile	N/A	Firm  Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found
973372	VAPB-1-1- 007A-M- 657A	OFFICE	Floor Tile	N/A	Firm  Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
973373	VAPB-1-1- 007A-M- 657B	OFFICE	Mastic	N/A	Firm  Homogeneous	Black	97% Non-fibrous Material	3% Chrysotile
985379	VAPB-1-1- 007A-M- 657C	OFFICE	Mastic	N/A	Firm  Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: M. COLLINS

REVIEWED BY:

  
QA/QC Officer/Signatory

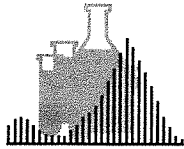
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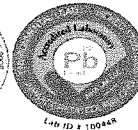
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Delaware Industrial Park, 6 Garfield Way  
Newark, DE 19713-5817  
Tel. (302) 737-3376 Fax (302) 737-5764



**NVLAP**  
Lab Code: 101032-0

**Dept. Code: PLM**

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

Rev. #: 0

Batch#: N/A

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Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

Page 20 of 45

## CERTIFICATE OF PLM ANALYSIS

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 4/2/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973374	VAPB-1-1- 1027A-M- 658A	STORAGE	Floor Tile	N/A	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973375	VAPB-1-1- 1027A-M- 658B	STORAGE	Mastic	N/A	Firm  Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found
973376	VAPB-1-1- 1006-M- 659	OFFICE	Floor Tile	N/A	Firm  Homogeneous	Green	100% Non-fibrous Material	No Asbestos Found
973378	VAPB-1-1- 1064-M- 660A	OFFICE	Floor Tile	N/A	Firm  Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found
973379	VAPB-1-1- 1064-M- 660B	OFFICE	Mastic	N/A	Firm  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: R. SHUMATE

REVIEWED BY:

QA/QC Officer/Signatory

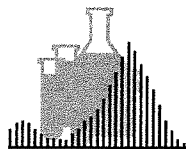
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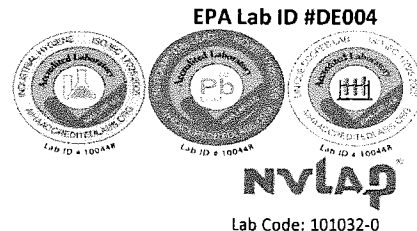


## BATTA LABORATORIES, LLC

A Certified MBE Company

Delaware Industrial Park, 6 Garfield Way  
Newark, DE 19713-5817

Tel. (302) 737-3376 Fax (302) 737-5764



Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

### CERTIFICATE OF PLM ANALYSIS

Page 21 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

#### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 4/2/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973380	VAPB-1-1- 1006-M- 661A	OFFICE	Underlay- ment	N/A	Firm	Gray	100% Non-fibrous Material	No Asbestos Found
					Homogeneous			
985380	VAPB-1-1- 1006-M- 661B	OFFICE	Mastic	N/A	Firm	Black	95% Non-fibrous Material	5% Chrysotile
					Homogeneous			
973381	VAPB-1-1- 1004-M- 662	OFFICE	Ceiling Tile	N/A	Cementitious	Soft Gray White	3% Fiber Glass 20% Cellulose 77% Non-fibrous Material	No Asbestos Found
					Homogeneous			
973382	VAPB-1-1- 1005-M- 663	RESTROOM	Ceiling Tile	N/A	Fibrous	Soft Gray White	10% Fiber Glass 20% Cellulose 70% Non-fibrous Material	No Asbestos Found
					Homogeneous			
973383	VAPB-1-1- 1007-M- 664	OFFICE	Ceiling Tile	N/A	Fibrous	Soft Gray White	10% Fiber Glass 20% Cellulose 70% Non-fibrous Material	No Asbestos Found
					Homogeneous			

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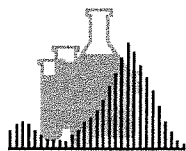
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Newark, DE 19713-5817

Tel. (302) 737-3376 Fax (302) 737-5764



**NVLAP**

Lab Code: 101032-0

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

**Dept. Code: PLM**

Rev. #: 0

Batch#: N/A

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## CERTIFICATE OF PLM ANALYSIS

Page 22 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 4/2/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
973384	VAPB-1-1- STAIR6-M- 665	STAIRWELL	Terrazzo	N/A	Firm  Homogeneous	Green	100% Non-fibrous Material	No Asbestos Found
973386	VAPB-1-1- STAIR6-M- 666	STAIRWELL	Terrazzo	N/A	Firm  Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found
973388	VAPB-1-1- HALL1001- M-667	HALLWAY	Terrazzo	N/A	Firm  Homogeneous	Green	100% Non-fibrous Material	No Asbestos Found
973390	VAPB-1-1- DWINGH ALL-M- 668	HALLWAY	Terrazzo	N/A	Firm  Homogeneous	Green	100% Non-fibrous Material	No Asbestos Found
973392	VAPB-1-1- DWINGH ALL-S-669	HALLWAY	Caulk	N/A	Firm  Homogeneous	Green	100% Non-fibrous Material	No Asbestos Found

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REVIEWED BY: 

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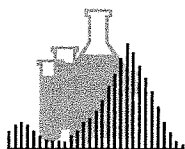
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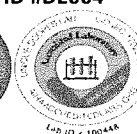
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Delaware Industrial Park, 6 Garfield Way

Newark, DE19713-5817

Tel. (302)737-3376 Fax (302) 737-5764



**NVLAP**  
Lab Code: 101032-0

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

**Dept. Code: PLM**

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 23 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 4/2/2018

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973393	VAPB-1-1-DWINGH ALL-M-670	HALLWAY	Ceiling Tile	N/A	Fibrous Soft  Homogeneous	Gray White	2% Fiber Glass 20% Cellulose 78% Non-fibrous Material	No Asbestos Found
973394	VAPB-1-1-HALL1173-M-671A	HALLWAY	Floor Tile	N/A	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973395	VAPB-1-1-HALL1173-M-671B	HALLWAY	Mastic	N/A	Firm  Homogeneous	Brown	100% Non-fibrous Material	No Asbestos Found
973396	VAPB-1-1-HALL1102-M-672	HALLWAY	Bulk	N/A	Firm  Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
973397	VAPB-1-1-1170-M-673A	OFFICE	Floor Tile	N/A	Firm  Homogeneous	Off White	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: R. SHUMATE

REVIEWED BY: 

QA/QC Officer/Signatory

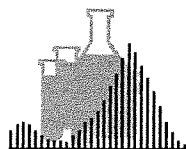
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\*Organically-bound, nonfriable material may interfere with the accurate quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY Item 198.6/198.4 over the Chatfield method. When point count techniques are utilized on organically-bound, nonfriable materials without the EPA-recommended matrix reduction steps, Batta Laboratories assumes no responsibility regarding the accuracy or precision associated with these results. In these cases, Batta employs a modified version of the EPA point count method.

\*WRTA refers to a group of fibrous Amphiboles typically associated with 'Libby Amphibole.' Within this classification are: winchite, richierite, tremolite, and actinolite.

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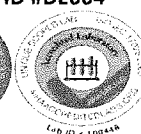
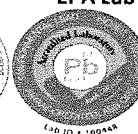
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A Certified MBE Company

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Newark, DE19713-5817

Tel. (302)737-3376 Fax (302) 737-5764



EPA Lab ID #DE004

**NVLAP**

Lab Code: 101032-0

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

**Dept. Code: PLM**

Rev. #: 0

Batch#: N/A

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## CERTIFICATE OF PLM ANALYSIS

Page 24 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 4/2/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/Gross	Color	Non-asbestiform Components	Asbestiform Components
973398	VAPB-1-1-1170-M-673B	OFFICE	Mastic	N/A	Firm Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973399	VAPB-1-1-1170-M-674A	OFFICE	Floor Tile	N/A	Firm Homogeneous	Dark Brown	90% Non-fibrous Material	10% Chrysotile
985381	VAPB-1-1-1170-M-674B	OFFICE	Mastic	N/A	Firm Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found
973400	VAPB-1-1-1150-M-675	OFFICE	Floor Tile	N/A	Firm Homogeneous	Green	100% Non-fibrous Material	No Asbestos Found
973402	VAPB-1-1-1150-M-676	OFFICE	Floor Tile	N/A	Firm Homogeneous	Off White	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: R. SHUMATE

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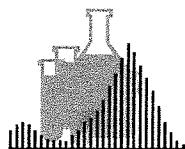
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A Certified MBE Company

Delaware Industrial Park, 6 Garfield Way  
Newark, DE 19713-5817

Tel. (302) 737-3376 Fax (302) 737-5764



EPA Lab ID #DE004

**NVLAP**

Lab Code: 101032-0

Dept. Code: PLM

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

Rev. #: 0

Batch#: N/A

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### CERTIFICATE OF PLM ANALYSIS

Page 25 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

#### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 4/2/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/Gross	Color	Non-asbestiform Components	Asbestiform Components
973404	VAPB-1-1- 1150-M- 677	OFFICE	Floor Tile	N/A	Firm  Homogeneous	Brown	90% Non-fibrous Material	10% Chrysotile
973405	VAPB-1-1- HALLSTAI RA-M- 678A	HALLWAY	Cove Base	N/A	Firm  Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found
973406	VAPB-1-1- HALLSTAI RA-M- 678B	HALLWAY	Mastic	N/A	Firm  Homogeneous	Off White	100% Non-fibrous Material	No Asbestos Found
973407	VAPB-1-1- 1142-M- 679A	OFFICE	Floor Tile	N/A	Firm  Homogeneous	Off White	100% Non-fibrous Material	No Asbestos Found
973408	VAPB-1-1- 1142-M- 679B	OFFICE	Mastic	N/A	Firm  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

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REVIEWED BY: 

QA/QC Officer/Signatory

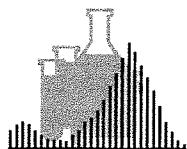
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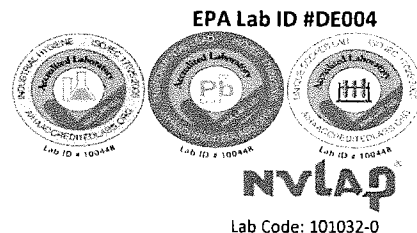
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A Certified MBE Company

Delaware Industrial Park, 6 Garfield Way  
Newark, DE 19713-5817

Tel. (302) 737-3376 Fax (302) 737-5764



Lab Code: 101032-0

Dept. Code: PLM

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

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## CERTIFICATE OF PLM ANALYSIS

Page 26 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 4/2/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/Gross	Color	Non-asbestiform Components	Asbestiform Components
973409	VAPB-1-1-HALL1129-M-680	HALLWAY	Stair Tread	N/A	Firm Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found
973411	VAPB-1-1-STAIRWELL LL3-M-681	STAIRWELL	Terrazzo	N/A	Firm Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found
973413	VAPB-1-1-HALL1129-M-682A	HALLWAY	Stair Tread	N/A	Firm Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found
973414	VAPB-1-1-HALL1129-M-682B	HALLWAY	Mastic	N/A	Firm Homogeneous	Dark Brown	100% Non-fibrous Material	No Asbestos Found
973415	VAPB-1-1-HALL1129-M-683A	HALLWAY	Stair Tread	N/A	Firm Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: R. SHUMATE

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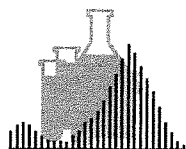
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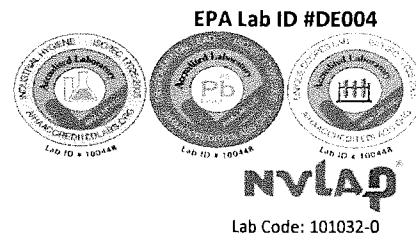
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Delaware Industrial Park, 6 Garfield Way  
Newark, DE19713-5817  
Tel. (302)737-3376 Fax (302) 737-5764



Lab Code: 101032-0

Dept. Code: PLM

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

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## CERTIFICATE OF PLM ANALYSIS

Page 27 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

### Sampling Data

BLI Project #: R105415

Date Sampled:

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Sampled By: CLIENT

Date Analyzed: 4/2/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
973416	VAPB-1-1- HALL1129- M-683B	HALLWAY	Mastic	N/A	Firm  Homogeneous	Dark Brown	100% Non-fibrous Material	No Asbestos Found
973417	VAPB-1-1- STAIRWE LL-M-684	STAIRWELL	Terrazzo	N/A	Firm  Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found
973419	VAPB-1-1- 1115-M- 685A	OFFICE	Floor Tile	N/A	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973420	VAPB-1-1- 1115-M- 685B	OFFICE	Mastic	N/A	Firm  Homogeneous	Clear	100% Non-fibrous Material	No Asbestos Found
973421	VAPB-1-1- 1115-M- 686A	OFFICE	Floor Tile	N/A	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

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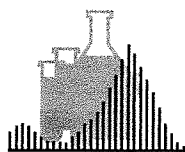
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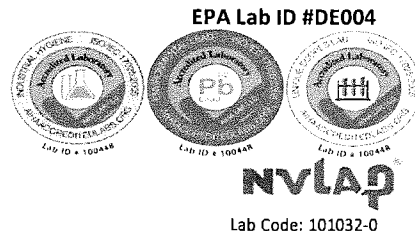
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## BATTA LABORATORIES, LLC

A Certified MBE Company

Delaware Industrial Park, 6 Garfield Way  
Newark, DE19713-5817  
Tel. (302)737-3376 Fax (302) 737-5764



Lab Code: 101032-0

Dept. Code: PLM

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

Rev. #: 0  
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COC#: N/A

### CERTIFICATE OF PLM ANALYSIS

Page 28 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

#### Sampling Data

BLI Project #: R105415  
Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:  
Sampled By: CLIENT  
Date Analyzed: 4/2/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/Gross	Color	Non-asbestiform Components	Asbestiform Components
973422	VAPB-1-1-1115-M-686B	OFFICE	Mastic	N/A	Firm Heterogeneous	Tan Black	97% Non-fibrous Material	3% Chrysotile
973423	VAPB-1-1-1131-S-687	OFFICE	Sink Insulation	N/A	Firm Homogeneous	Tan	10% Cellulose 90% Non-fibrous Material	No Asbestos Found
973424	VAPB-1-1-ELEVP4-M-688A	GENERAL ACCESS	Floor Tile	N/A	Firm Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973425	VAPB-1-1-ELEVP4-M-688B	GENERAL ACCESS	Mastic	N/A	Firm Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973426	VAPB-1-1-EXIT1142-S-689	GENERAL ACCESS	Caulk	N/A	Firm Homogeneous	Dark Brown	100% Non-fibrous Material	No Asbestos Found

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ANALYST: R. SHUMATE

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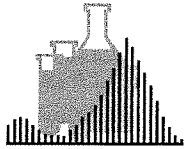
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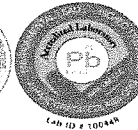
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**Dept. Code: PLM**

Rev. #: 0

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## CERTIFICATE OF PLM ANALYSIS

Page 29 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 4/2/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
973427	VAPB-1-1- MRIDOOD- S-690	GENERAL ACCESS	Caulk	N/A	Firm  Homogeneous	Dark Brown	100% Non-fibrous Material	No Asbestos Found
973428	VAPB-1-1- 1166-S- 691	GENERAL ACCESS	Caulk	N/A	Firm  Homogeneous	Off White	100% Non-fibrous Material	No Asbestos Found
973429	VAPB-1-1- 1129-S- 692	OFFICE	Caulk	N/A	Firm  Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
973430	VAPB-1-1- 1129-S- 693	OFFICE	Caulk	N/A	Firm  Homogeneous	Clear	100% Non-fibrous Material	No Asbestos Found
973431	VAPB-1-1- 1068A-S- 694	MECHANICAL ROOM	Spackle	N/A	Firm  Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found

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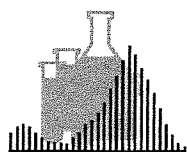
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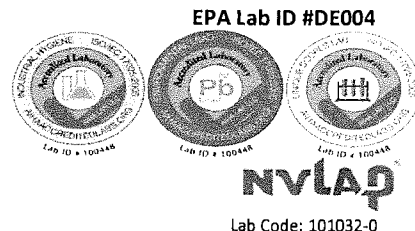
## BATTA LABORATORIES, LLC

A Certified MBE Company

Delaware Industrial Park, 6 Garfield Way

Newark, DE 19713-5817

Tel. (302) 737-3376 Fax (302) 737-5764



Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

### CERTIFICATE OF PLM ANALYSIS

Page 30 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

#### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 4/2/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/Gross	Color	Non-asbestiform Components	Asbestiform Components
973432	VAPB-1-1-1054-S-695	OFFICE	Sealant	N/A	Firm Homogeneous	Black Gray	100% Non-fibrous Material	No Asbestos Found
973433	VAPB-1-1-HALL1032-S-696	HALLWAY	Pipe Dope	N/A	Firm Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found
973434	VAPB-1-2-CWINGH ALL-M-697	HALLWAY	Floor Tile	N/A	Firm Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
973436	VAPB-1-2-CWINGH ALL-M-698	HALLWAY	Floor Tile	N/A	Firm Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
973438	VAPB-1-2-CWINGH ALL-M-699	HALLWAY	Floor Tile	N/A	Firm Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: R. SHUMATE

REVIEWED BY: 

QA/QC Officer/Signatory

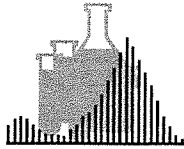
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\*The test data pertain only to the items tested. No assumptions or conclusions should be made to materials or samples not analyzed. Furthermore, Batta Laboratories, LLC assumes no responsibility for the accuracy of results influenced by the use of improper collection techniques or equipment.

\*Organically-bound, nonfriable material may interfere with the accurate quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY Item 198.6/198.4 over the Chatfield method. When point count techniques are utilized on organically-bound, nonfriable materials without the EPA-recommended matrix reduction steps, Batta Laboratories assumes no responsibility regarding the accuracy or precision associated with these results. In these cases, Batta employs a modified version of the EPA point count method.

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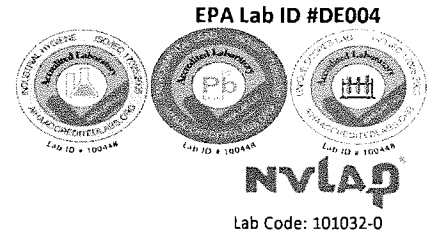
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Delaware Industrial Park, 6 Garfield Way  
Newark, DE19713-5817  
Tel. (302)737-3376 Fax (302) 737-5764



Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

**Dept. Code: PLM**

Rev. #: 0

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## CERTIFICATE OF PLM ANALYSIS

Page 31 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 4/2/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
973440	VAPB-1-2- CWINGH ALL-M- 700A	HALLWAY	Floor Tile	N/A	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973441	VAPB-1-2- CWINGH ALL-M- 700B	HALLWAY	Mastic	N/A	Firm  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973442	VAPB-1-2- CWINGH ALL-M- 701A	HALLWAY	Floor Tile	N/A	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973443	VAPB-1-2- CWINGH ALL-M- 701B	HALLWAY	Mastic	N/A	Firm  Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
973444	VAPB-1-2- 2037-M- 702	OFFICE	Floor Tile	N/A	Firm  Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found

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**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: R. SHUMATE

REVIEWED BY: 

QA/QC Officer/Signatory

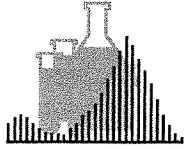
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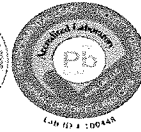
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Delaware Industrial Park, 6 Garfield Way  
Newark, DE 19713-5817  
Tel. (302) 737-3376 Fax (302) 737-5764



EPA Lab ID #DE004

**NVLAP**

Lab Code: 101032-0

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

**Dept. Code: PLM**

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 32 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 4/2/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
973446	VAPB-1-2- 2037-M- 703	OFFICE	Floor Tile	N/A	Firm  Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
973448	VAPB-1-2- 2037-M- 704	OFFICE	Floor Tile	N/A	Firm  Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
973450	VAPB-1-2- 2037-M- 705A	OFFICE	Floor Tile	N/A	Firm  Homogeneous	Green	100% Non-fibrous Material	No Asbestos Found
973451	VAPB-1-2- 2037-M- 705B	OFFICE	Mastic	N/A	Firm  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973452	VAPB-1-2- 2036-M- 706	OFFICE	Floor Tile	N/A	Firm  Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: R. SHUMATE

REVIEWED BY: 

QA/QC Officer/Signatory

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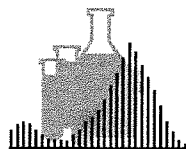
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## BATTA LABORATORIES, LLC

A Certified MBE Company

Delaware Industrial Park, 6 Garfield Way

Newark, DE 19713-5817

Tel. (302) 737-3376 Fax (302) 737-5764



EPA Lab ID #DE004



Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

### CERTIFICATE OF PLM ANALYSIS

Page 33 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

#### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 4/2/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
973454	VAPB-1-2- 2036-M- 707	OFFICE	Grout	N/A	Granular  Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
973456	VAPB-1-2- CWINGH ALL-M- 708	HALLWAY	Floor Tile	N/A	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973457	VAPB-1-2- CWINGH ALL-M- 709	HALLWAY	Floor Tile	N/A	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973458	VAPB-1-2- CWINGH ALL-M- 710A	HALLWAY	Floor Tile	N/A	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
985382	VAPB-1-2- CWINGH ALL-M- 710B	HALLWAY	Caulk	N/A	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: R. SHUMATE

REVIEWED BY: 

QA/QC Officer/Signatory

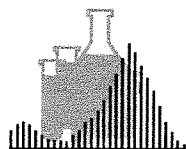
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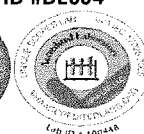
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A Certified MBE Company

Delaware Industrial Park, 6 Garfield Way

Newark, DE19713-5817

Tel. (302)737-3376 Fax (302) 737-5764



**NVLAP**  
Lab Code: 101032-0

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

**Dept. Code: PLM**

Rev. #: 0

Batch#: N/A

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## CERTIFICATE OF PLM ANALYSIS

Page 34 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 4/2/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/Gross	Color	Non-asbestiform Components	Asbestiform Components
973459	VAPB-1-2-CWINGH ALL-M-711	HALLWAY	Floor Tile	N/A	Firm Homogeneous	Black	97% Non-fibrous Material	3% Chrysotile
973461	VAPB-1-2-BWINGHA LL-M-712A	HALLWAY	Floor Tile	N/A	Firm Homogeneous	White	2% Cellulose 98% Non-fibrous Material	No Asbestos Found
973462	VAPB-1-2-BWINGHA LL-M-712B	HALLWAY	Mastic	N/A	Firm Homogeneous	Black	10% Cellulose 80% Non-fibrous Material	10% Chrysotile
973463	VAPB-1-2-BWINGHA LL-M-713A	HALLWAY	Floor Tile	N/A	Firm Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973464	VAPB-1-2-BWINGHA LL-M-713B	HALLWAY	Mastic				Sample Not Analyzed (positive stop rules)	

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: R. SHUMATE

REVIEWED BY: 

QA/QC Officer/Signatory

\*\* This sample was not analyzed for reasons noted in the far right column. Batta Labs, LLC will not charge clients for samples not analyzed. Please contact Batta if charged in error.

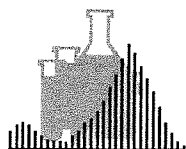
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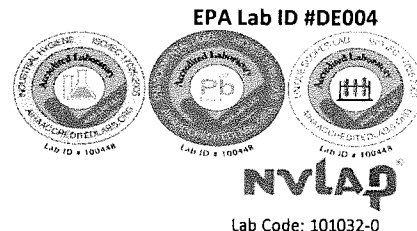


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Lab Code: 101032-0

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

**Dept. Code: PLM**

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## CERTIFICATE OF PLM ANALYSIS

Page 35 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 4/2/2018

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1


Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
973465	VAPB-1-2- 2031-M- 714A	RESTROOM	Linoleum	N/A	Firm  Homogeneous	White	2% Fiber Glass 98% Non-fibrous Material	No Asbestos Found
973466	VAPB-1-2- 2031-M- 714B	RESTROOM	Mastic	N/A	Firm  Homogeneous	Off White	100% Non-fibrous Material	No Asbestos Found
973467	VAPB-1-2- 2031-M- 715A	RESTROOM	Linoleum	N/A	Firm  Homogeneous	White	3% Fiber Glass 97% Non-fibrous Material	No Asbestos Found
973468	VAPB-1-2- 2031-M- 715B	RESTROOM	Mastic	N/A	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973469	VAPB-1-2- 2031-M- 716A	RESTROOM	Linoleum	N/A	Firm  Homogeneous	White	3% Fiber Glass 97% Non-fibrous Material	No Asbestos Found

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**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: R. SHUMATE

REVIEWED BY:

  
QA/QC Officer/Signatory

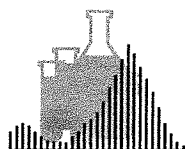
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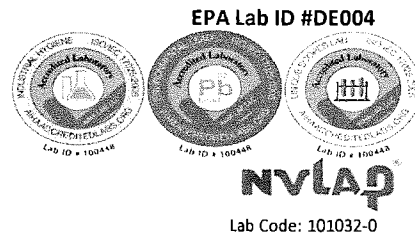


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**Dept. Code: PLM**

Rev. #: 0

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## CERTIFICATE OF PLM ANALYSIS

Page 36 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 4/2/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
973470	VAPB-1-2- 2031-M- 716B	RESTROOM	Mastic	N/A	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973471	VAPB-1-2- 2063-M- 717A	PATIENT CARE	Floor Tile	N/A	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973472	VAPB-1-2- 2063-M- 717B	PATIENT CARE	Mastic	N/A	Firm  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973473	VAPB-1-2- 2063-M- 718A	PATIENT CARE	Floor Tile	N/A	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973474	VAPB-1-2- 2063-M- 718B	PATIENT CARE	Mastic	N/A	Firm  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found

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ANALYST: S. REYNOLDS

REVIEWED BY:

QA/QC Officer/Signatory

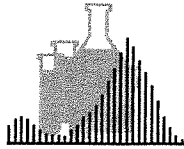
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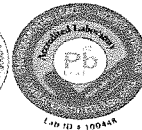
NY ELAP LAB# 11993 for PCM,  
PLM, TEM & Lead



**BATTA LABORATORIES, LLC**

A Certified MBE Company

Delaware Industrial Park, 6 Garfield Way  
Newark, DE 19713-5817  
Tel. (302) 737-3376 Fax (302) 737-5764



**NVLAP**  
Lab Code: 101032-0

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

**Dept. Code: PLM**

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 37 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 4/2/2018

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/Gross	Color	Non-asbestiform Components	Asbestiform Components
973475	VAPB-1-2-2063-M-719A	PATIENT CARE	Floor Tile	N/A	Firm Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973476	VAPB-1-2-2063-M-719B	PATIENT CARE	Mastic	N/A	Firm Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973477	VAPB-1-2-2013-S-720	PATIENT CARE	Sink Sound-proofing	N/A	Firm Homogeneous	Gray	10% Cellulose 90% Non-fibrous Material	No Asbestos Found
973478	VAPB-1-2-2065-M-721A	PATIENT CARE	Floor Tile	N/A	Firm Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found
973479	VAPB-1-2-2065-M-721B	PATIENT CARE	Mastic	N/A	Firm Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: S. REYNOLDS

REVIEWED BY:

  
QA/QC Officer/Signatory

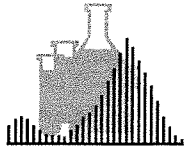
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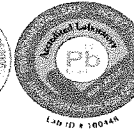
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### CERTIFICATE OF PLM ANALYSIS

Page 38 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

#### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 4/2/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
973480	VAPB-1-2- 2057-S- 722	GENERAL ACCESS	Caulk	N/A	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973481	VAPB-1-2- BWINGHA LL-M-723	HALLWAY	Ceiling Tile	N/A	Fibrous  Homogeneous	Gray	30% Mineral Wool 45% Cellulose 25% Non-fibrous Material	No Asbestos Found
973482	VAPB-1-2- AHALLWA Y-M-724A	HALLWAY	Floor Tile	N/A	Firm  Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
973483	VAPB-1-2- AHALLWA Y-M-724B	HALLWAY	Mastic	N/A	Firm  Homogeneous	Black	98% Non-fibrous Material	2% Chrysotile
973484	VAPB-1-2- 2131-M- 725A	GENERAL ACCESS	Floor Tile	N/A	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found

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**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

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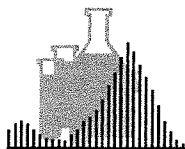
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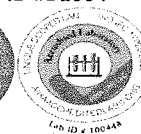
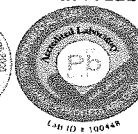


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EPA Lab ID #DE004



Lab Code: 101032-0

**Dept. Code: PLM**

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

Rev. #: 0

Batch#: N/A

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## CERTIFICATE OF PLM ANALYSIS

Page 39 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 4/2/2018

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					

973485	VAPB-1-2- 2131-M- 725B	GENERAL ACCESS	Mastic	N/A	Firm  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
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973486	VAPB-1-2- 2132-M- 726A	GENERAL ACCESS	Floor Tile	N/A	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
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973487	VAPB-1-2- 2132-M- 726B	GENERAL ACCESS	Mastic	N/A	Firm  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
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973488	VAPB-1-2- 2098A-M- 727A	OFFICE	Wall	N/A	Fibrous Firm  Heterogeneous	Brown White	15% Cellulose 85% Non-fibrous Material	No Asbestos Found
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973489	VAPB-1-2- 2098A-M- 727B	OFFICE	Mastic	N/A	Firm  Homogeneous	Brown	100% Non-fibrous Material	No Asbestos Found
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**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: S. REYNOLDS

REVIEWED BY:

  
QA/QC Officer/Signatory

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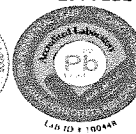


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Lab Code: 101032-0

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**Dept. Code: PLM**

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

Rev. #: 0

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## CERTIFICATE OF PLM ANALYSIS

Page 40 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 4/2/2018

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
973490	VAPB-1-2- 2098A-M- 728A	OFFICE	Cove Base	N/A	Firm  Homogeneous	Brown	100% Non-fibrous Material	No Asbestos Found
973491	VAPB-1-2- 2098A-M- 728B	OFFICE	Mastic	N/A	Firm  Homogeneous	Brown	100% Non-fibrous Material	No Asbestos Found
973492	VAPB-1-2- 2098A-M- 729A	OFFICE	Cove Base	N/A	Firm  Homogeneous	Brown	100% Non-fibrous Material	No Asbestos Found
973493	VAPB-1-2- 2098A-M- 729B	OFFICE	Mastic	N/A	Firm  Homogeneous	Brown	100% Non-fibrous Material	No Asbestos Found
973494	VAPB-1-2- 2122-M- 730A	OFFICE	Floor Tile	N/A	Firm  Homogeneous	White	100% Non-fibrous Material	< 1% Chrysotile

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: S. REYNOLDS

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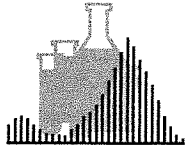
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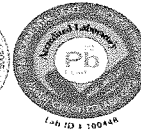
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**NVLAP**  
Lab Code: 101032-0

EPA Lab ID #DE004

**Dept. Code: PLM**

Rev. #: 0

Batch#: N/A

COC#: N/A

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

## CERTIFICATE OF PLM ANALYSIS

Page 41 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 4/2/2018

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
973495	VAPB-1-2- 2122-M- 730B	OFFICE	Mastic	N/A	Firm  Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
973496	VAPB-1-2- 2121-M- 731	OFFICE	Ceiling Tile	N/A	Fibrous  Homogeneous	White	30% Mineral Wool 45% Cellulose 25% Non-fibrous Material	No Asbestos Found
973497	VAPB-1-2- 2098A-M- 732	OFFICE	Ceiling Tile	N/A	Fibrous  Homogeneous	Tan	45% Mineral Wool 30% Cellulose 25% Non-fibrous Material	No Asbestos Found
973498	VAPB-1-2- 2098A-M- 733	OFFICE	Ceiling Tile	N/A	Fibrous  Homogeneous	Tan	45% Mineral Wool 30% Cellulose 25% Non-fibrous Material	No Asbestos Found
973499	VAPB-1-2- 2098A-M- 734	OFFICE	Ceiling Tile	N/A	Fibrous  Homogeneous	Tan	45% Mineral Wool 30% Cellulose 25% Non-fibrous Material	No Asbestos Found

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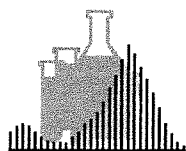
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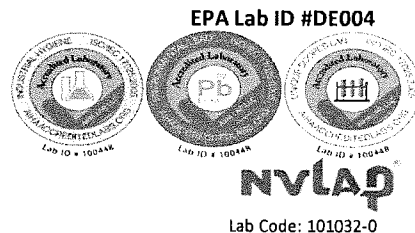
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**Dept. Code: PLM**

Rev. #: 0

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## CERTIFICATE OF PLM ANALYSIS

Page 42 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 4/2/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
973500	VAPB-1-2- 2098B-M- 735	OFFICE	Ceiling Tile	N/A	Fibrous  Homogeneous	Gray	30% Mineral Wool 45% Cellulose 25% Non-fibrous Material	No Asbestos Found
973501	VAPB-1-2- 2098B-M- 736	OFFICE	Ceiling Tile	N/A	Fibrous  Homogeneous	Gray	30% Mineral Wool 45% Cellulose 25% Non-fibrous Material	No Asbestos Found
973502	VAPB-1-2- 2098B-M- 737	OFFICE	Ceiling Tile	N/A	Fibrous  Homogeneous	Gray	30% Mineral Wool 45% Cellulose 25% Non-fibrous Material	No Asbestos Found
973503	VAPB-1-2- 2112-M- 738	OFFICE	Ceiling Tile	N/A	Fibrous  Homogeneous	Gray	30% Mineral Wool 45% Cellulose 25% Non-fibrous Material	No Asbestos Found
973504	VAPB-1-2- EHALL-M- 739	HALLWAY	Ceiling Tile	N/A	Fibrous  Homogeneous	Gray	30% Mineral Wool 45% Cellulose 25% Non-fibrous Material	No Asbestos Found

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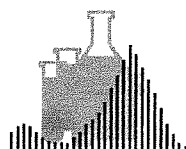
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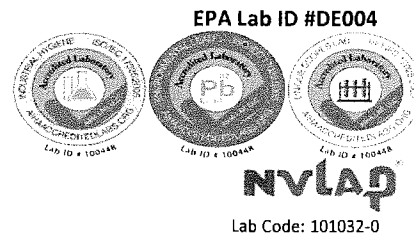
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Page 43 of 45

### CERTIFICATE OF PLM ANALYSIS

#### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 4/2/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
973505	VAPB-1-2- EHALL-M- 740	HALLWAY	Ceiling Tile	N/A	Fibrous  Homogeneous	Gray	30% Mineral Wool 45% Cellulose 25% Non-fibrous Material	No Asbestos Found
973506	VAPB-1-2- 2086-M- 741A	OFFICE	Cove Base	N/A	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973507	VAPB-1-2- 2086-M- 741B	OFFICE	Mastic	N/A	Firm  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973508	VAPB-1-2- 2070B-M- 742A	GENERAL ACCESS	Floor Tile	N/A	Firm  Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found
973509	VAPB-1-2- 2070B-M- 742B	GENERAL ACCESS	Mastic	N/A	Firm  Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found

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REVIEWED BY:

QA/QC Officer/Signatory

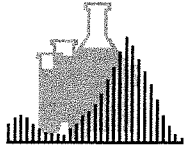
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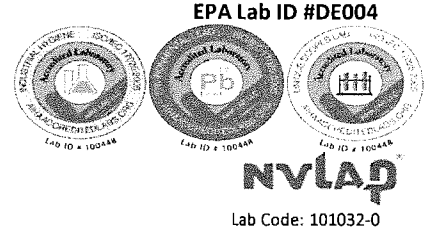
NY ELAP LAB# 11993 for PCM,  
PLM, TEM & Lead



## BATTA LABORATORIES, LLC

A Certified MBE Company

Delaware Industrial Park, 6 Garfield Way  
Newark, DE19713-5817  
Tel. (302)737-3376 Fax (302) 737-5764



Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

### CERTIFICATE OF PLM ANALYSIS

Page 44 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

#### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 4/2/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
973510	VAPB-1-2- 2075-M- 743	GENERAL ACCESS	Material	N/A	Granular  Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
973511	VAPB-1-2- 2075-M- 744A	GENERAL ACCESS	Floor Tile	N/A	Firm  Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
973512	VAPB-1-2- 2075-M- 744B	GENERAL ACCESS	Mastic	N/A	Firm  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973513	VAPB-1-2- 2075-M- 745A	GENERAL ACCESS	Floor Tile	N/A	Firm  Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
973514	VAPB-1-2- 2075-M- 745B	GENERAL ACCESS	Mastic	N/A	Firm  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: S. REYNOLDS

REVIEWED BY:

QA/QC Officer/Signatory

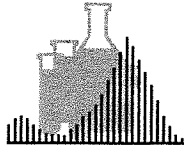
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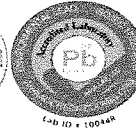
NY ELAP LAB# 11993 for PCM,  
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Delaware Industrial Park, 6 Garfield Way  
Newark, DE 19713-5817  
Tel. (302) 737-3376 Fax (302) 737-5764



**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)

Rev. #: 0

Batch#: N/A

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### CERTIFICATE OF PLM ANALYSIS

Page 45 of 45

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 4/3/2018

#### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 JOHN J PERSHING VA BUILDING 1

Date Sampled:

Sampled By: CLIENT

Date Analyzed: 4/2/2018

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab	Client	Sample	Material	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
Sample#	Sample#	Description	Type					
973515	VAPB-1-2- 2075-M- 746A	GENERAL ACCESS	Floor Tile	N/A	Firm  Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
973516	VAPB-1-2- 2075-M- 746B	GENERAL ACCESS	Mastic	N/A	Firm  Homogeneous	Clear	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: S. REYNOLDS

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VAPB-1-GFL-D-M-582	073218	Hallway	5: 2'x4' CT- Pinhole w/ 1" Wormhole (Some look different b	MD	Friable
VAPB-1-GFL-D50-M-583	-279	Office	69: 2'x4' CT- Pinhole & Small Henpeck	MD	Friable
VAPB-1-GFL-D50-M-584	-280	Office	69: 2'x4' CT- Pinhole & Small Henpeck	MD	Friable
VAPB-1-GFL-D50-M-585	-281	Office	69: 2'x4' CT- Pinhole & Small Henpeck	MD	Friable
VAPB-1-GFL-D38-M-586	-282	Mechanical Room	80: Tectum Roof Deck	MD	Friable
VAPB-1-GFL-D-M-587	-283	Hallway	226: Tan pipe dope	CAT 1 Non-Friable (FT/M)	
VAPB-1-GFL-D-M-588	-284	Hallway	226: Tan pipe dope	CAT 1 Non-Friable (FT/M)	
VAPB-1-GFL-D-M-589	-285	Hallway	104: Tan Pipe Penetration Spackle Material	CAT 1 Non-Friable (FT/M)	
VAPB-1-GFL-D-M-590	-286	Hallway	104: Tan Pipe Penetration Spackle Material	CAT 1 Non-Friable (FT/M)	
VAPB-1-GFL-D30A-T-591	-287	Office	225: Black tar paper wrapped FG piping	Friable	
VAPB-1-GFL-D01D-M-592	-288	Hallway	66: Door Window Glaze (Thin Gray)	CAT 1 Non-Friable (FT/M)	
VAPB-1-GFL-C-M-593	-289	Hallway	41: Interior Door Caulk- Brown	CAT 1 Non-Friable (FT/M)	
VAPB-1-B-A -M-594	-	Dirt Crawl Space	228: Crawl space soil suspected of contamination	Friable	
VAPB-1-B-A -M-595	-	Dirt Crawl Space	228: Crawl space soil suspected of contamination	Friable	
VAPB-1-B-A -M-596	-	Dirt Crawl Space	228: Crawl space soil suspected of contamination	Friable	
VAPB-1-B-F-M-597	-	Dirt Crawl Space	228: Crawl space soil suspected of contamination	Friable	
VAPB-1-B-F-M-598	-	Dirt Crawl Space	228: Crawl space soil suspected of contamination	Friable	
VAPB-1-B-F-M-599	-	Dirt Crawl Space	228: Crawl space soil suspected of contamination	Friable	
VAPB-1-B-C-M-600	-	Dirt Crawl Space	228: Crawl space soil suspected of contamination	Friable	
VAPB-1-B-C-M-601	-	Dirt Crawl Space	228: Crawl space soil suspected of contamination	Friable	
VAPB-1-B-C-M-602	-	Dirt Crawl Space	228: Crawl space soil suspected of contamination	Friable	
VAPB-1-B-E-M-603	-	Dirt Crawl Space	228: Crawl space soil suspected of contamination	Friable	
VAPB-1-GFL-E-M-604	-	Dirt Crawl Space	228: Crawl space soil suspected of contamination	Friable	
VAPB-1-GFL-E-M-605	-	Dirt Crawl Space	228: Crawl space soil suspected of contamination	Friable	
VAPB-1-GFL-A-M-606	-290	Dirt Crawl Space	79: Vibration Joint Cloth- Black Vinyl	CAT 1 Non-Friable (FT/M)	
VAPB-1-GFL-A-M-607	-291	Dirt Crawl Space	79: Vibration Joint Cloth- Black Vinyl	CAT 1 Non-Friable (FT/M)	
VAPB-1-GFL-A-M-608	-292	Dirt Crawl Space	80: Tectum Roof Deck	Friable	
VAPB-1-GFL-E67-M-609	-293-294	Laundry	73: 12"x12" FT- Light Grey w/ White and Dark Grey Specs	CAT 1 Non-Friable (FT/M)	
VAPB-1-GFL-E67-M-610	-295-296	Laundry	81: 4" Covebase- Brown	CAT 1 Non-Friable (FT/M)	
VAPB-1-GFL-E67-M-611	-297-298	Laundry	82: 12"x12" FT- White w/ Brown Specs	CAT 1 Non-Friable (FT/M)	
VAPB-1-GFL-E67-M-612	-299	Laundry	124: Sink Soundproofing- Gray	CAT 1 Non-Friable (FT/M)	
VAPB-1-GFL-A75-M-613	-300-301	Office	86: Terrazzo Flooring- Brown	CAT 1 Non-Friable (FT/M)	
VAPB-1-GFL-A-M-614	-302-303	Hallway	62: 12"x12" FT- White w/ Blue Specs	CAT 1 Non-Friable (FT/M)	
VAPB-1-GFL-A-M-615	-304-305	Hallway	62: 12"x12" FT- White w/ Blue Specs	CAT 1 Non-Friable (FT/M)	
VAPB-1-GFL-A-M-616	-306-307	Hallway	62: 12"x12" FT- White w/ Blue Specs	CAT 1 Non-Friable (FT/M)	
VAPB-1-GFL-A02-M-617	-308-309	Office	229: Unknown floor tile/black mastic under HMA 62	CAT 1 Non-Friable (FT/M)	
VAPB-1-GFL-A56-M-618	-310-311	Office	87: 12"x12" Off White w/ Brown Specs	CAT 1 Non-Friable (FT/M)	

★ Samples not received - per client

MD, MD

MD, MD, MD, MD

VAPB-1-GFL-A72-M-619	013810-313	Office	64: 12"x12" FT- Black w/ White Specs	CAT 1 Non-Friable (FT/M)	Chgs. 1.5
VAPB-1-GFL-A53-M-620	- 314-315	Office	65: 12"x12" FT- Off White w/ Grey&Tan Specs	CAT 1 Non-Friable (FT/M)	MD, CH-452
VAPB-1-GFL-A81-M-621	- 316	Mechanical Room	84: Interior Caulk- Gray; on drywall/block seam	CAT 1 Non-Friable (FT/M)	MD
VAPB-1-GFL-A81-M-622	- 317	Mechanical Room	100: Red/Burgundy Fireproof Penetration Caulk	CAT 1 Non-Friable (FT/M)	MD
VAPB-1-GFL-A18-M-623	- 318-319	Office	74: 4" Covebase- Tan	CAT 1 Non-Friable (FT/M)	MD, MD
VAPB-1-GFL-A-M-624	- 320	Hallway	5: 2"x4" CT- Pinhole w/ 1" Wormhole (Some look different b	Friable	MD
VAPB-1-GFL-A052-M-625	- 321	Office	112: Caulk on Metal Floor Frame-Black	CAT 1 Non-Friable (FT/M)	MD
VAPB-1-GFL-A052-M-626	- 322	Office	112: Caulk on Metal Floor Frame-Black	CAT 1 Non-Friable (FT/M)	MD
VAPB-1-GFL-A052-M-627	- 323	Office	112: Caulk on Metal Floor Frame-Black	CAT 1 Non-Friable (FT/M)	MD
VAPB-1-GFL-A052-M-628	- 324-325	Office	230: Raised Floor Spine Matrix- Brown Metal Adhesive	CAT 1 Non-Friable (FT/M)	MD
VAPB-1-GFL-A052-M-629	- 326-327	Office	230: Raised Floor Spine Matrix- Brown Metal Adhesive	CAT 1 Non-Friable (FT/M)	MD
VAPB-1-GFL-A052-M-630	- 328-329	Office	230: Raised Floor Spine Matrix- Brown Metal Adhesive	CAT 1 Non-Friable (FT/M)	MD
VAPB-1-GFL-D-M-631	- 330	Hallway	102: Interior Door Caulk- White	CAT 1 Non-Friable (FT/M)	MD
VAPB-1-GFL-D-M-632	- 331-332	Office	77: 6" Covebase- Brown/Gray	CAT 1 Non-Friable (FT/M)	MD, MD
VAPB-1-GFL-A -M-633	- 333	Dirt Crawl Space	80: Tectum Roof Deck	Friable	MD
VAPB-1-1-1C-048-M-634	- 334-335	Office	122: 12"x12" FT- Olive Green w/ Green & White Marble De	Friable	MD, MD
VAPB-1-1-1C-056-M-635	- 336-337	Patient Care	118: 12"x12" FT- Cream Color w/ Brown and Grey Specs (	Friable	MD, MD
VAPB-1-1-1C-056-M-636	- 338-339	Patient Care	119: 12"x12" FT Blue w/ Blue and White Marble Design	Friable	MD, MD
VAPB-1-1-1C-056-M-637	- 340-341	Patient Care	232: FT unidentified under 118/119 in 056	CAT 1 Non-Friable (FT/M)	MD, MD
VAPB-1-1-638	—				
VAPB-1-1-1A-032-M-639	- 342-343	Patient Care	118: 12"x12" FT- Cream Color w/ Brown and Grey Specs (	CAT 1 Non-Friable (FT/M)	MD, MD
VAPB-1-1-1A-056-M-640	- 344-345	Patient Care	233: FT unidentified under 118/119 in 056	CAT 1 Non-Friable (FT/M)	MD, MD, Chgs
VAPB-1-1-1C-048-M-641	- 346-347	Office	123: 4" Covebase- Forest Green	CAT 1 Non-Friable (FT/M)	MD, MD
VAPB-1-1-1056-M-642	- 348	Patient Care	5: 2"x4" CT- Pinhole w/ 1" Wormhole (Some look different b	Friable	MD
VAPB-1-1-1B-015-M-643	- 349-350	Patient Care	121: 12"x12" FT- Aqua Green w/ Green & White Marble De	CAT 1 Non-Friable (FT/M)	MD, MD
VAPB-1-1-18-M-644	- 351	Patient Care	112: Caulk on Metal Floor Frame-Black <del>Chgs 1.5</del>	CAT 1 Non-Friable (FT/M)	MD, MD
VAPB-1-1-025A-M-645	- 352	Patient Care	132: HMAS 52, 129, 130, 131 B Wing Rooms	CAT 1 Non-Friable (FT/M)	MD, MD
VAPB-1-1-025A-M-646	- 353	Patient Care	234: Layer under 132	CAT 1 Non-Friable (FT/M)	MD, MD
VAPB-1-1-27-M-647	- 354	Patient Care	132: HMAS 52, 129, 130, 131 B Wing Rooms	CAT 1 Non-Friable (FT/M)	MD, MD
VAPB-1-1-1B-012-M-648	- 355	Patient Care	132: HMAS 52, 129, 130, 131 B Wing Rooms	CAT 1 Non-Friable (FT/M)	MD, MD
VAPB-1-1-At stairwell-M-649	- 356-357	Hallway	118: 12"x12" FT- Cream Color w/ Brown and Grey Specs (	CAT 1 Non-Friable (FT/M)	MD, MD
VAPB-1-1-At Stairwell-M-650	- 358-359	Hallway	235: FT unidentified under 118	CAT 1 Non-Friable (FT/M)	MD, MD
VAPB-1-1-1009-M-651	- 360-361	Patient Care	65: 12"x12" FT- Off White w/ Grey&Tan Specs	CAT 1 Non-Friable (FT/M)	MD, MD
VAPB-1-1-1009-M-652	- 362-363	Patient Care	236: FT unidentified under 65	CAT 1 Non-Friable (FT/M)	MD, MD
VAPB-1-1-57-M-653	- 364-365	Patient Care	119: 12"x12" FT Blue w/ Blue and White Marble Design	CAT 1 Non-Friable (FT/M)	MD, MD
VAPB-1-1-57-M-654	- 366-367	Patient Care	237: FT unidentified under 119	CAT 1 Non-Friable (FT/M)	MD, MD
VAPB-1-1-007A-M-655	- 368-369	Office	146: 12"x12" FT- Off White w/ Gray and Tan Marble Finish	CAT 1 Non-Friable (FT/M)	MD, MD

★ NO sample received

VAPB-1-1-007A-M-656	Office	146: 12"x12" FT- Off White w/ Gray and Tan Marble Finish	CAT 1 Non-Friable (FT/M)
VAPB-1-1-007A-M-657	Office	238: FT unidentified under 146	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1027A-M-658	Storage	73: 12"x12" FT- Light Grey w/ White and Dark Grey Specs	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1006-M-659	Office	121: 12"x12" FT- Aqua Green w/ Green & White Marble De	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1064-M-660	Office	20: 12"x12" Floor Tile- Beige w/ Tan & White Specs (Brush	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1006-M-661	Office	239L Filler under 121	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1004-M-662	Office	5: 2"x4' CT- Pinhole w/ 1" Wormhole (Some look different b	Friable
VAPB-1-1-1005-M-663	Restroom	142: 2"x4' CT- Pinhole w/ Wavy Defined Wormholes	Friable
VAPB-1-1-1007-M-664	Office	70: 2"x4' CT- Pinhole & Large Defined Henpeck	Friable
VAPB-1-1-1-1007-M-665	Stairwell	115: Terrazzo Floor- Dark Green w/ Black Specs	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1-1007-M-666	Stairwell	85: Terrazzo Flooring- Tan	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1-1007-M-667	Hallway	115: Terrazzo Floor- Dark Green w/ Black Specs	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1-1007-M-668	Hallway	115: Terrazzo Floor- Dark Green w/ Black Specs	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1-1007-M-669	Hallway	240: Green Pipe Penetration Caulk	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1-1007-M-670	Hallway	5: 2"x4' CT- Pinhole w/ 1" Wormhole (Some look different b	Friable
VAPB-1-1-1-1007-M-671	Hallway	98: 12"x12" Floor Tile: Cream w/ Pink and Gray Specs (Ma	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1-1007-M-672	Hallway	241: Black Layer under 98	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1-1007-M-673	Office	113: 12"x12" Floor Tile- Light Gray w/ Solid Marble Finish (	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1-1007-M-674	Office	242: Layer under 113	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1-1007-M-675	Office	121: 12"x12" FT- Aqua Green w/ Green & White Marble De	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1-1007-M-676	Office	140: 12"x12" FT- Light Gray w/ Black and Blue/Green Spec	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1-1007-M-677	Office	243: Brown Layer under 121/140	Friable
VAPB-1-1-1-Hall at Stairwell A-M-678	Hallway	120: 6" Covebase- White	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1-1142-M-679	Office	140: 12"x12" FT- Light Gray w/ Black and Blue/Green Spec	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1-Hall at 1129-M-680	Hallway	136: 1"x4' Stair Tred- Tan	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1-1129-M-681	Stairwell	85: Terrazzo Flooring- Tan	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1-Hall at 1129-M-682	Hallway	136: 1"x4' Stair Tred- Tan	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1-Hall at 1129-M-683	Hallway	136: 1"x4' Stair Tred- Tan	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1-1129-M-684	Stairwell	85: Terrazzo Flooring- Tan	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1-1115-M-685	Office	140: 12"x12" FT- Light Gray w/ Black and Blue/Green Spec	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1-1115-M-686	Office	82: 12"x12" FT- White w/ Brown Specs	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1-1131-S-687	Office	96: Sink Soundproofing- White	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1-Elevator P4-M-688	General Access	113: 12"x12" Floor Tile- Light Gray w/ Solid Marble Finish (	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1-Exit at 1142-S-689	General Access	41: Interior Door Caulk- Brown	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1-MRI Door-S-690	General Access	41: Interior Door Caulk- Brown	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1-1166-S-691	General Access	14: Interior Caulk- White	CAT 1 Non-Friable (FT/M)



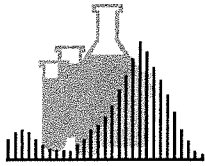
VAPB-1-1-1129-S-692	913429	Office	244: Lab Countertop Sink Caulk Black	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1129-S-693	-430	Office	245: Exhaust Hood Caulk Clear	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1068A-S-694	-431	Mechanical Room	104: Tan Pipe Penetration Spackle Material	CAT 1 Non-Friable (FT/M)
VAPB-1-1-1054-S-695	-432	Office	246: Int Wall Wall Sealant	CAT 1 Non-Friable (FT/M)
VAPB-1-1-Hall at 1032-S-696	-433	Hallway	226: Tan pipe dope	CAT 1 Non-Friable (FT/M)
VAPB-1-2-C Wing Hall-M-697	-434	Hallway	164: 12"x12" FT- Solid Black w/ Large White Specs	CAT 1 Non-Friable (FT/M)
VAPB-1-2-C Wing Hall-M-698	-435	Hallway	164: 12"x12" FT- Solid Black w/ Large White Specs	CAT 1 Non-Friable (FT/M)
VAPB-1-2-C Wing Hall-M-699	-436	Hallway	164: 12"x12" FT- Solid Black w/ Large White Specs	CAT 1 Non-Friable (FT/M)
VAPB-1-2-C Wing Hall-M-700	-437	Hallway	165: 12"x12" FT- Off White(Cream) w/ White, Tan & Grey	CAT 1 Non-Friable (FT/M)
VAPB-1-2-C Wing Hall-M-701	-438	Hallway	20: 12"x12" Floor Tile- Beige w/ Tan & White Specs (Brushed)	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2037-M-702	-439	Office	167: Floor Sheeting- Gray w/ small Red, Blue and Gray Sp	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2037-M-703	-440	Office	167: Floor Sheeting- Gray w/ small Red, Blue and Gray Sp	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2037-M-704	-441	Office	167: Floor Sheeting- Gray w/ small Red, Blue and Gray Sp	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2037-M-705	-442	Office	122: 12"x12" FT- Olive Green w/ Green & White Marble De	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2036-M-706	-443	Office	155: 12"x12" Floor Tile- Tan w/ White and Beige Marble De	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2036-M-707	-444	Office	247: Floor under 155 (Gravel/Grout)	CAT 1 Non-Friable (FT/M)
VAPB-1-2-C Wing Hall-M-708	-445	Hallway	158: HMAs 122/121, 156, 157 (2nd Floor Hallway System)	CAT 1 Non-Friable (FT/M)
VAPB-1-2-C Wing Hall-M-709	-446	Hallway	158: HMAs 122/121, 156, 157 (2nd Floor Hallway System)	CAT 1 Non-Friable (FT/M)
VAPB-1-2-C Wing Hall-M-710	-447	Hallway	158: HMAs 122/121, 156, 157 (2nd Floor Hallway System)	CAT 1 Non-Friable (FT/M)
VAPB-1-2-C Wing Hall-M-711	-448	Hallway	248: FT under 158	CAT 1 Non-Friable (FT/M)
VAPB-1-2-B Wing Hall-M-712	-449	Hallway	165: 12"x12" FT- Off White(Cream) w/ White, Tan & Grey	CAT 1 Non-Friable (FT/M)
VAPB-1-2-B Wing Hall-M-713	-450	Hallway	165: 12"x12" FT- Off White(Cream) w/ White, Tan & Grey	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2031-M-714	-451	Restroom	163: Floor Sheeting- Beige w/ Tan and White Marbled Swir	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2031-M-715	-452	Restroom	163: Floor Sheeting- Beige w/ Tan and White Marbled Swir	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2031-M-716	-453	Restroom	163: Floor Sheeting- Beige w/ Tan and White Marbled Swir	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2063-M-717	-454	Patient Care	159: 12"x12" FT- White w/ Green/Black/ and Tan Specs	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2063-M-718	-455	Patient Care	159: 12"x12" FT- White w/ Green/Black/ and Tan Specs	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2063-M-719	-456	Patient Care	159: 12"x12" FT- White w/ Green/Black/ and Tan Specs	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2013-S-720	-457	Patient Care	124: Sink Soundproofing- Gray	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2065-M-721	-458	Patient Care	155: 12"x12" Floor Tile- Tan w/ White and Beige Marble De	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2057-S-722	-459	General Access	14: Interior Caulk- White	CAT 1 Non-Friable (FT/M)
VAPB-1-2-B Wing Hall-M-723	-460	Hallway	5: 2"x4" CT- Pinhole w/ 1" Wormhole (Some look different b	Friable
VAPB-1-2-A Hallway-M-724	-461	Hallway	64: 12"x12" FT- Black w/ White Specs	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2131-M-725	-462	General Access	87: 12"x12" Off White w/ Brown Specs	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2132-M-726	-463	General Access	98: 12"x12" Floor Tile: Cream w/ Pink and Gray Specs (Ma	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2098A-M-727	-464	Office	149: 4" Covebase- Composite Vinyl- Dark Brown	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2098A-M-728	-465	Office	149: 4" Covebase- Composite Vinyl- Dark Brown	CAT 1 Non-Friable (FT/M)

VAPB-1-2-2098A-M-729	912402-403	Office	149: 4" Covebase- Composite Vinyl- Dark Brown	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2122-M-730	-404-405	Office	82: 12"x12" FT- White w/ Brown Specs	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2121-M-731	-406	Office	142: 2"x4" CT- Pinhole w/ Wavy Defined Wormholes	Friable
VAPB-1-2-2098A-M-732	-407	Office	150: 2"x2" CT- Smooth White Solid	Friable
VAPB-1-2-2098A-M-733	-408	Office	150: 2"x2" CT- Smooth White Solid	Friable
VAPB-1-2-2098A-M-734	-409	Office	150: 2"x2" CT- Smooth White Solid	Friable
VAPB-1-2-2098B-M-735	-500	Office	151: 2"x2" CT Pinhole w/ 1" Wormhole (~5)	Friable
VAPB-1-2-2098B-M-736	-501	Office	151: 2"x2" CT Pinhole w/ 1" Wormhole (~5)	Friable
VAPB-1-2-2098B-M-737	-502	Office	151: 2"x2" CT Pinhole w/ 1" Wormhole (~5)	Friable
VAPB-1-2-2112-M-738	-503	Office	70: 2"x4" CT- Pinhole & Large Defined Henpeck	Friable
VAPB-1-2-E Hall-M-739	-504	Hallway	5: 2"x4" CT- Pinhole w/ 1" Wormhole (Some look different b	Friable
VAPB-1-2-E Hall-M-740	-505	Hallway	5: 2"x4" CT- Pinhole w/ 1" Wormhole (Some look different b	Friable
VAPB-1-2-2086-M-741	-506-507	Office	145: 4" Covebase- White	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2070B-M-742	-508-509	General Access	103: 12"x12" Floor Tile- Dark Tan Marble Design	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2075-M-743	-510	General Access	249: Material under 103	Friable
VAPB-1-2-2075-M-744	-511-512	General Access	173: 12"x12" FT- Solid Flat Gray	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2075-M-745	-513-514	General Access	173: 12"x12" FT- Solid Flat Gray	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2075-M-746	-515-516	General Access	173: 12"x12" FT- Solid Flat Gray	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2035A-M-747	-517-518	General Access	172: 12"x12" FT- Black w/ Brown Specs	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2014-M-748	-519-520	General Access	172: 12"x12" FT- Black w/ Brown Specs	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2074A-M-749	-521-522	General Access	172: 12"x12" FT- Black w/ Brown Specs	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2070A-M-750	-523-524	General Access	172: 12"x12" FT- Black w/ Brown Specs	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2070A-M-751	-525	General Access	103: 12"x12" Floor Tile- Dark Tan Marble Design	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2076-M-752	-526-527	General Access	249: Material under 103	Friable
VAPB-1-2-2077-S-753	-528	General Access	122: 12"x12" FT- Olive Green w/ Green & White Marble De	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2077-S-754	-529	General Access	76: Sink Soundproofing- Black	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2C-2D-M-755	-530-531	General Access	76: Sink Soundproofing- Black	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2035-S-756	-532	Mechanical Room	109: Terrazzo Floor- Light Gray w/ Black Specs	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2035-T-757	-533	Mechanical Room	100: Red/Burgundy Fireproof Penetration Caulk	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2035-T-758	-534	Mechanical Room	160: Pyrobar	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2035-T-759	-535	Mechanical Room	160: Pyrobar	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2C-2D-M-760	-536-537	General Access	160: Pyrobar	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2C-2D-M-761	-538-539	General Access	168: 9"x9" FT- Dark Brown	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2C-2D-M-762	-540-541	General Access	168: 9"x9" FT- Dark Brown	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2C-2D-M-763	-542-543	General Access	168: 9"x9" FT- Dark Brown	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2C-2D-M-764	-544-545	General Access	169: 9"x9" FT- Tan	CAT 1 Non-Friable (FT/M)
VAPB-1-2-2C-2D-M-765	-546-547	General Access	169: 9"x9" FT- Tan	CAT 1 Non-Friable (FT/M)

Split Sample 100g

Sample ID	Functional Area	Homogeneous Area ID	Size
VAPB-2-2-E Bath-M-79	Utility Chase	21: White wall paneling grout (weepholes)	
VAPB-2-G-Bas-M-80	Mechanical Room	38: Black interior window caulking - basement	
VAPB-2-1-2107-M-81	Garage	39: White painted transite panels	
VAPB-3-1-1007-M-117	Kitchen	21: Green 9x9 floor tile w/black mastic (under HMA4)	
VAPB-3-1-1003-M-118	Office	10: Brown interior window caulk	
VAPB-3-1-1007-M-119	Kitchen	4: Beige linoleum floor sheeting	
VAPB-4B-1-ENT-M-172	Hallway	5: Beige 12x12 floor tile with tan streaks w/yellow glue	
VAPB-4B-1-1003-M-173	Office	22: Tan 9x9 floor tile w/black mastic (under HMA4)	
VAPB-4A-1-1007-M-174	Kitchen	39: Dark tan linoleum sheet flooring w/paper backing	
VAPB-5-1-1001-M-178A	Hallway	9: 2'x4' White Ceiling Tile w/ Small Pinholes and Wormholes	
VAPB-5-1-EXT -M-191A	Exterior	25: Gray Exterior Window Caulk	
SH1457-5-2-Attic-T-203A	Attic	38: White Attic Cellulose Insulation	
VAPB-6-0-2-M-204A	Exercise Room	25: Interior Window Caulk- Brown	
VAPB-6-1-EXT-M-219A	Exterior	34: Exterior A/C Unit Caulk	
VAPB-6-1-1010-M-222A	Storage	35: 12"x12" FT White w/Grey Specs w/Brown Mastic	
VAPB-7-1-EXT-M-290A	Exterior	30: Exterior Window Caulk	
VAPB-7-1-EXT-T-296A	Exterior	32: Exterior Gas Line Tar Wrap- Green	
VAPB-7-1-EXT-M-305A	Exterior	35: Black Wall Caulk	
VAPB-8-1-1004-M-317A	Hallway	9: White 2'x4' Ceiling Tile- Wormholes and Pinholes	
VAPB-8-1-1002-M-320A	File Room	10: 12"x12" Floor Tile- White w/ Grey Specs & Black Mastic	
VAPB-8-1-1013-M-341A	Carpentry Shop	27: 12"x12" Floor Tile- White w/ Light Blue Specs	
VAPB-10-1-1-M-458A	Garage	8: Interior Floor/Wall Caulk	
VAPB-11-1-EXT-M-469A	Exterior	6: Conduit Penetration Caulk	
VAPB-23-1-1005-M-386A	Restroom	30: Unidentified Floor Tile- 2nd Layer	
VAPB-23-1-EXT-M-417A	Exterior	21: Exterior Window Glaze- White	
VAPB-23-1-1001-M-430A	Storage	32: Duct Seam Sealant- Gray	
VAPB-1-1-1082-M-477A	Storage	9: 2'x4' CT- Pinhole w/ 1/4" Wormhole	
VAPB-1-1-1087-M-480A	Restroom	12: 2'x4' CT- Textured Drywall	
VAPB-1-1-1087-M-483A	Restroom	13: Interior Window Caulk- Yellow	
VAPB-1-1-1088-S -490A	Storage	15: Plaster	
VAPB-1-1-1088-M-492A	Storage	19: 12"x12" Floor Tile- White w/ Black Stripes	
VAPB-1-1-1075-M-519A	Office	33: 12"x12" Floor Tile- White w/ Black Specs	
VAPB-1-1-1075-M-521A	Office	33: 12"x12" Floor Tile- White w/ Black Specs	
VAPB-1-1-1087-M-525A	Throughout	43: Interior Duct Insulation- Black	

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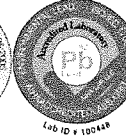
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Delaware Industrial Park, 6 Garfield Way  
Newark, DE 19713-5817  
Tel. (302) 737-3376 Fax (302) 737-5764

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)



EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0  
Batch#: N/A  
COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 1 of 9

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 09/01/18

### Sampling Data

BLI Project #: R105415  
Project Name: RIVERFRONT SAFETY & HEALTH-SH1457, BLDG 1

Date Sampled: n/a  
Sampled By: CLIENT  
Date Analyzed: 02/25/18

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973517	VAPB-1-2- 2035A-M-747	Floor 2	Floor Tile	n/a	Firm Homogeneous	Black	97% Non- fibrous Material	3% Chrysotile
973518	VAPB-1-2- 2035A-M-747 (Layer 1)	**	Floor 2	Mastic	n/a			Sample Not Received By Lab
973519	VAPB-1-2- 2014-M-748	**	Floor 2	Floor Tile	n/a			Sample Not Analyzed (positive stop rules)
973520	VAPB-1-2- 2014-M-748 (Layer 1)	**	Floor 2	Mastic	n/a			Insufficient Material For Analysis
973521	VAPB-1-2- 2074A-M-749	**	Floor 2	Floor Tile	n/a			Sample Not Analyzed (positive stop rules)

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: SIR and RGS

REVIEWED BY:

QA/QC Officer/Signatory

\*\* This sample was not analyzed for reasons noted in the far right column. Batta Labs, LLC will not charge clients for samples not analyzed. Please contact Batta if charged in error.

\*This report does not constitute endorsement by NVLAP and/or any other US government agencies.

\*The test data pertain only to the items tested. No assumptions or conclusions should be made to materials or samples not analyzed. Furthermore, Batta Laboratories, LLC assumes no responsibility for the accuracy of results influenced by the use of improper collection techniques or equipment.

\*Organically-bound, nonfriable material may interfere with the accurate and reproducible quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY ELAP Item 198.6/198.4 over the Chatfield method. When point count techniques are utilized on organically-bound, nonfriable materials without the EPA-recommended matrix reduction steps, Batta Laboratories assumes no responsibility regarding the accuracy or precision associated with these results. In these cases, Batta employs a modified version of the EPA point count method.

\*WRTA refers to a group of fibrous Amphiboles typically associated with 'Libby Amphibole'. Within this classification are: winchite, richierite, tremolite, and actinolite.

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Newark, DE 19713-5817

Tel. (302) 737-3376 Fax (302) 737-5764

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)



EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

**Dept. Code: PLM**

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 2 of 9

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 09/01/18

### Sampling Data

BLI Project #: R105415

Date Sampled: n/a

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457, BLDG 1

Sampled By: CLIENT

Date Analyzed: 02/25/18

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973522	VAPB-1-2- 2074A-M-749	** Floor 2	Mastic	n/a				Sample Not Received By Lab
973523	VAPB-1-2- 2074A-M-749 (Layer 1)	Floor 2	Floor Tile	n/a	Firm  Homogeneous	Tan	100% Non- fibrous Material	No Asbestos Found
973524	VAPB-1-2- 2070A-M-750	** Floor 2	Mastic	n/a				Insufficient Material For Analysis
973525	VAPB-1-2- 2070A-M-750 (Layer 1)	Floor 2	Underlayme nt	n/a	Firm  Homogeneous	Gray	100% Non- fibrous Material	No Asbestos Found
973526	VAPB-1-2- 2076-M-752	Floor 2	Floor Tile	n/a	Firm  Homogeneous	Light Blue	100% Non- fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: SIR and RGS

REVIEWED BY: [Signature]

QA/QC Officer/Signatory

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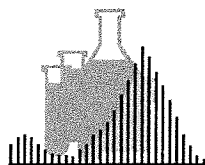
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\*WRTA refers to a group of fibrous Amphiboles typically associated with 'Libby Amphibole'. Within this classification are: winchite, richierite, tremolite, and actinolite.

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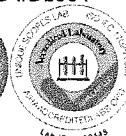
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EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

**Dept. Code: PLM**

Rev. #: 0  
Batch#: N/A  
COC#: N/A

**CERTIFICATE OF PLM ANALYSIS**

Page 3 of 9

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 09/01/18

**Sampling Data**

BLI Project #: R105415  
Project Name: RIVERFRONT SAFETY & HEALTH-SH1457, BLDG 1

Date Sampled: n/a  
Sampled By: CLIENT  
Date Analyzed: 02/25/18

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973527	VAPB-1-2-2076-M-752 (Layer 1)	Floor 2	Mastic	n/a	Firm  Heterogeneous	Yellow Black	97% Non-fibrous Material	3% Chrysotile
973528	VAPB-1-2-2077-S -753	Floor 2	Sink Insulation	n/a	Firm  Homogeneous	Black	95% Non-fibrous Material	5% Chrysotile
973529	VAPB-1-2-2077-S -754 **	Floor 2	Sink Insulation	n/a				Sample Not Analyzed (positive stop rules)
973530	VAPB-1-2-2C-2D-M-755	Floor 2	Terrazzo	n/a	Firm  Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
973531	VAPB-1-2-2C-2D-M-755 **	Floor 2	Mastic	n/a				Sample Not Received By Lab

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**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: SIR and RGS

REVIEWED BY: [Signature]

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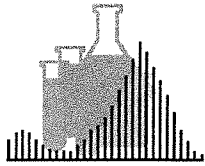
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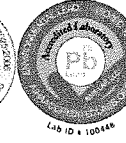
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Delaware Industrial Park, 6 Garfield Way  
Newark, DE19713-5817  
Tel. (302)737-3376 Fax (302) 737-5764

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)



EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0  
Batch#: N/A  
COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 4 of 9

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 09/01/18

### Sampling Data

BLI Project #: R105415  
Project Name: RIVERFRONT SAFETY & HEALTH-SH1457, BLDG 1

Date Sampled: n/a

Sampled By: CLIENT

Date Analyzed: 02/25/18

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973532	VAPB-1-2-2035-S-756	Floor 2	Fireproofing	n/a	Firm Homogeneous	Red	2% Cellulose 98% Non-fibrous Material	No Asbestos Found
973533	VAPB-1-2-2035-T-757	Floor 2	Pyrobar	n/a	Fibrous Firm Homogeneous	Off-white	3% Cellulose 97% Non-fibrous Material	No Asbestos Found
973534	VAPB-1-2-2035-T-758	Floor 2	Pyrobar	n/a	Fibrous Firm Homogeneous	Off-white	2% Cellulose 98% Non-fibrous Material	No Asbestos Found
973535	VAPB-1-2-2035-T-759	Floor 2	Pyrobar	n/a	Fibrous Firm Homogeneous	Off-white	3% Cellulose 97% Non-fibrous Material	No Asbestos Found
973536	VAPB-1-2-2C-2D-M-760	Floor 2	Floor Tile	n/a	Firm Homogeneous	Brown	97% Non-fibrous Material	3% Chrysotile

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: SIR and RGS

REVIEWED BY:

QA/QC Officer/Signatory

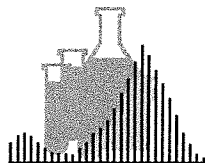
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\*Organically-bound, nonfriable material may interfere with the accurate and reproducible quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY ELAP Item 198.6/198.4 over the Chatfield method. When point count techniques are utilized on organically-bound, nonfriable materials without the EPA-recommended matrix reduction steps, Batta Laboratories assumes no responsibility regarding the accuracy or precision associated with these results. In these cases, Batta employs a modified version of the EPA point count method.

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EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

**Dept. Code: PLM**

Rev. #: 0  
Batch#: N/A  
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**CERTIFICATE OF PLM ANALYSIS**

Page 5 of 9

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 09/01/18

**Sampling Data**

BLI Project #: R105415  
Project Name: RIVERFRONT SAFETY & HEALTH-SH1457, BLDG 1

Date Sampled: n/a  
Sampled By: CLIENT  
Date Analyzed: 02/25/18

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973537	VAPB-1-2-2C- 2D-M-760 (Layer 1)	**	Floor 2	Mastic	n/a			Sample Not Received By Lab
973538	VAPB-1-2-2C- 2D-M-761	**	Floor 2	Floor Tile	n/a			Sample Not Analyzed (positive stop rules)
973539	VAPB-1-2-2C- 2D-M-761 (Layer 1)	**	Floor 2	Mastic	n/a			Sample Not Received By Lab
973540	VAPB-1-2-2C- 2D-M-762	**	Floor 2	Floor Tile	n/a			Sample Not Analyzed (positive stop rules)
973541	VAPB-1-2-2C- 2D-M-762 (Layer 1)	**	Floor 2	Mastic	n/a			Sample Not Received By Lab

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: SIR and RGS

REVIEWED BY:

QA/QC Officer/Signatory

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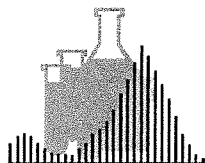
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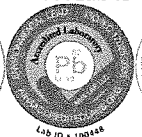
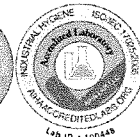
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EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

**Dept. Code: PLM**

Rev. #: 0  
Batch#: N/A  
COC#: N/A

**CERTIFICATE OF PLM ANALYSIS**

Page 6 of 9

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 09/01/18

**Sampling Data**

BLI Project #: R105415  
Project Name: RIVERFRONT SAFETY & HEALTH-SH1457, BLDG 1

Date Sampled: n/a  
Sampled By: CLIENT  
Date Analyzed: 02/25/18

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973542	VAPB-1-2-2C- 2D-M-763	Floor 2	Floor Tile	n/a	Firm  Homogeneous	Tan	97% Non- fibrous Material	3% Chrysotile
973543	VAPB-1-2-2C- 2D-M-763 (Layer 1)	** Floor 2	Mastic	n/a				Sample Not Received By Lab
973544	VAPB-1-2-2C- 2D-M-764	** Floor 2	Floor Tile	n/a				Sample Not Analyzed (positive stop rules)
973545	VAPB-1-2-2C- 2D-M-764 (Layer 1)	** Floor 2	Mastic	n/a				Sample Not Received By Lab
973546	VAPB-1-2-2C- 2D-M-765	** Floor 2	Floor Tile	n/a				Sample Not Analyzed (positive stop rules)

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: SIR and RGS

REVIEWED BY: [Signature]

QA/QC Officer/Signatory

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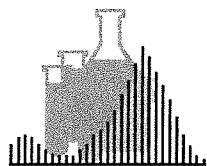
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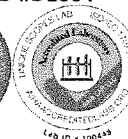
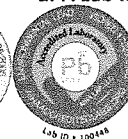
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EPA Lab ID #DE004

**NVLAP**

Lab Code: 101032-0

**Dept. Code: PLM**

Rev. #: 0

Batch#: N/A

COC#: N/A

**CERTIFICATE OF PLM ANALYSIS**

Page 7 of 9

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 09/01/18

**Sampling Data**

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457, BLDG 1

Date Sampled: n/a

Sampled By: CLIENT

Date Analyzed: 02/25/18

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973547	VAPB-1-2-2C- 2D-M-765 (Layer 1)	Floor 3	Mastic	n/a	Firm  Homogeneous	Yellow	100% Non- fibrous Material	No Asbestos Found
973548	VAPB-1-3- 3040-M-766	Floor 3	Floor Tile	n/a	Firm  Homogeneous	White	100% Non- fibrous Material	No Asbestos Found
973549	VAPB-1-3- 3040-M-766 (Layer 1)	Floor 3	Mastic	n/a	Firm  Homogeneous	Yellow	100% Non- fibrous Material	No Asbestos Found
973550	VAPB-1-3- 3040-M-767	Floor 3	Leveler	n/a	Firm  Homogeneous	Gray	100% Non- fibrous Material	No Asbestos Found
973551	VAPB-1-3- 3040-M-768	Floor 3	Floor Tile	n/a	Firm  Homogeneous	White	100% Non- fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: SIR and RGS

REVIEWED BY:

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QA/QC Officer/Signatory

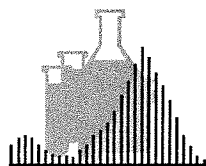
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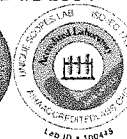
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EPA Lab ID #DE004

**NVLAP**

Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 8 of 9

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 09/01/18

### Sampling Data

BLI Project #: R105415

Date Sampled: n/a

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457, BLDG 1

Sampled By: CLIENT

Date Analyzed: 02/25/18

Sample ID		Client-supplied Data			Analytical Data		Reported Results		
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components	
973552	VAPB-1-3-3040-M-768 (Layer 1)	** Floor 3	Mastic	n/a				Insufficient Material For Analysis	
973553	VAPB-1-3-3041C-M-769	Floor 3	Linoleum	n/a	Firm Homogeneous	White	25% Cellulose 10% Fiber Glass 65% Non-fibrous Material	No Asbestos Found	
973554	VAPB-1-3-3041C-M-770	Floor 3	Linoleum	n/a	Firm Homogeneous	White	25% Cellulose 10% Fiber Glass 65% Non-fibrous Material	No Asbestos Found	
973555	VAPB-1-3-3041C-M-771	Floor 3	Linoleum	n/a	Firm Homogeneous	White	25% Cellulose 10% Fiber Glass 65% Non-fibrous Material	No Asbestos Found	
973556	VAPB-1-3-3041C-M-772	Floor 3	Linoleum	n/a	Firm Homogeneous	Pink	25% Cellulose 10% Fiber Glass 65% Non-fibrous Material	No Asbestos Found	

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**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: SIR and RGS

REVIEWED BY: 

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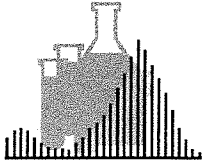
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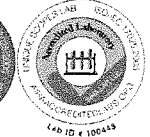
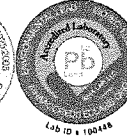
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EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

**Dept. Code: PLM**

Rev. #: 0  
Batch#: N/A  
COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 9 of 9

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 09/01/18

### Sampling Data

BLI Project #: R105415  
Project Name: RIVERFRONT SAFETY & HEALTH-SH1457, BLDG 1

Date Sampled: n/a  
Sampled By: CLIENT  
Date Analyzed: 02/25/18

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/Gross	Color	Non-asbestiform Components	Asbestiform Components
973557	VAPB-1-3-3041C-M-773	Floor 3	Linoleum	n/a	Firm Homogeneous	Pink	25% Cellulose Fiber Glass Non-fibrous Material	10% 65% No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

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Sample ID	Building ID	Building Floor	Sample Sequence No.
VAPB-1-2-2035A-M-747 973557	1	2	747
VAPB-1-2-2014-M-748	1	2	748
VAPB-1-2-2074A-M-749	1	2	749
VAPB-1-2-2070A-M-750	1	2	750
VAPB-1-2-2070A-M-751	1	2	751
VAPB-1-2-2076-M-752	1	2	752
VAPB-1-2-2077-S-753	1	2	753
VAPB-1-2-2077-S-754	1	2	754
VAPB-1-2-2C-2D-M-755	1	2	755
VAPB-1-2-2035-S-756	1	2	756
VAPB-1-2-2035-T-757	1	2	757
VAPB-1-2-2035-T-758	1	2	758
VAPB-1-2-2035-T-759	1	2	759
VAPB-1-2-2C-2D-M-760	1	2	760
VAPB-1-2-2C-2D-M-761	1	2	761
VAPB-1-2-2C-2D-M-762	1	2	762
VAPB-1-2-2C-2D-M-763	1	2	763
VAPB-1-2-2C-2D-M-764	1	2	764
VAPB-1-2-2C-2D-M-765	1	2	765
VAPB-1-3-3040-M-766	1	3	766
VAPB-1-3-3040-M-767	1	3	767
VAPB-1-3-3040-M-768	1	3	768
VAPB-1-3-3041C-M-769	1	3	769
VAPB-1-3-3041C-M-770	1	3	770
VAPB-1-3-3041C-M-771	1	3	771
VAPB-1-3-3041C-M-772	1	3	772
VAPB-1-3-3041C-M-773 973557	1	3	773
Sample ID	Building ID	Building Floor	Sample Sequence No.
VAPB-1-5-5037-M-871 973690	1	5	871
VAPB-1-5-5074-M-872	1	5	872
VAPB-1-5-5065-M-873	1	5	873
VAPB-1-5-5017-M-874	1	5	874
VAPB-1-5-5011B-M-875	1	5	875
VAPB-1-5-Hall at 5025-M-876	1	5	876
VAPB-1-5-Hall at elevator-M-877	1	5	877
VAPB-1-5-5057-M-878	1	5	878
VAPB-1-2-D Hall-M-879	1	2	879
VAPB-1-2-Kitchen-M-880	1	2	880
VAPB-1-2-Kitchen-M-881	1	2	881
VAPB-1-2-Radiology hall-M-882	1	2	882
VAPB-1-1-1068-M-883	1	1	883
VAPB-1-1-1007A-M-884	1	1	884
VAPB-1-1-Kitchen door-M-885	1	1	885
VAPB-1-3-3144-M-886	1	3	886
VAPB-1-3-F hall-M-887 973710	1	3	887

VAPB-1-5-5025A-M-888	973711	1	5	888
VAPB-1-5-5025A-M-889		1	5	889
VAPB-1-5-5025A-M-890		1	5	890
VAPB-1-5-5027-M-891		1	5	891
VAPB-1-5-B hall-M-892		1	5	892
VAPB-1-3-D Hall-M-893		1	3	893
VAPB-1-3-D Hall-M-894		1	3	894
VAPB-1-3-3088-M-895		1	3	895
VAPB-1-3-3088-M-896		1	3	896
VAPB-1-3-3004-M-897		1	3	897
VAPB-1-4-4047-M-898		1	4	898
VAPB-1-4-4047-M-899		1	4	899
VAPB-1-4-4047-M-900		1	4	900
VAPB-1-3-3088-M-901		1	3	901
VAPB-1-3-3088-M-902		1	3	902
VAPB-1-3-3088-M-903		1	3	903
VAPB-1-3-3088-M-904		1	3	904
VAPB-1-2-Canteen-M-905		1	2	905
VAPB-1-3-3144-M-906		1	3	906
VAPB-1-3-3144-M-907		1	3	907
VAPB-1-GFL-30-M-908		1	GFL	908
VAPB-1-GFL-30-M-909		1	GFL	909
VAPB-1-2-2030-M-910	973735	1	2	910

802 layer 976685  
804 layer 976686  
894

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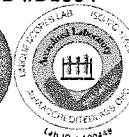
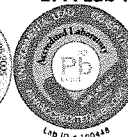
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**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 1 of 10

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 09/01/18

### Sampling Data

BLI Project #: R105415

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 BLDG 1

Date Sampled: n/a

Sampled By: CLIENT

Date Analyzed: 02/25/18

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973690	VAPB-1-5-5037-M-871	Floor 5	Floor Tile	n/a	Firm Homogeneous	Black	98% Non-fibrous Material	2% Chrysotile
973691	VAPB-1-5-5037-M-871 (Layer 1)	Floor 5	Mastic	n/a	Soft Homogeneous	Black	97% Non-fibrous Material	3% Chrysotile
973692	VAPB-1-5-5074-M-872 **	Floor 5	Floor Tile	n/a				Sample Not Analyzed (positive stop rules)
973693	VAPB-1-5-5074-M-872 (Layer 1) **	Floor 5	Mastic	n/a				Sample Not Analyzed (positive stop rules)
973694	VAPB-1-5-5065-M-873 **	Floor 5	Floor Tile	n/a				Sample Not Analyzed (positive stop rules)

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: ARY

REVIEWED BY:

QA/QC Officer/Signatory

\*\* This sample was not analyzed for reasons noted in the far right column. Batta Labs, LLC will not charge clients for samples not analyzed. Please contact Batta if charged in error.

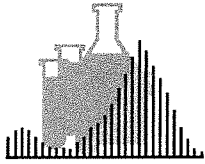
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\*Organically-bound, nonfriable material may interfere with the accurate and reproducible quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY ELAP Item 198.6/198.4 over the Chatfield method. When point count techniques are utilized on organically-bound, nonfriable materials without the EPA-recommended matrix reduction steps, Batta Laboratories assumes no responsibility regarding the accuracy or precision associated with these results. In these cases, Batta employs a modified version of the EPA point count method.

\*WRTA refers to a group of fibrous Amphiboles typically associated with 'Libby Amphibole'. Within this classification are: winchite, richterite, tremolite, and actinolite.

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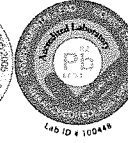
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EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

**Dept. Code: PLM**

Rev. #: 0  
Batch#: N/A  
COC#: N/A

**CERTIFICATE OF PLM ANALYSIS**

Page 2 of 10

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 09/01/18

**Sampling Data**

BLI Project #: R105415  
Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 BLDG 1

Date Sampled: n/a

Sampled By: CLIENT

Date Analyzed: 02/25/18

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973695	VAPB-1-5-5065-M-873 (Layer 1)	Floor 5	Mastic	n/a				Sample Not Analyzed (positive stop rules)
973696	VAPB-1-5-5017-M-874	Floor 5	Ceiling Tile	n/a	Fibrous Heterogeneous	Tan White	40% Cellulose 40% Mineral Wool 20% Non-fibrous Material	No Asbestos Found
973697	VAPB-1-5-5011B-M-875	Floor 5	Ceiling Tile	n/a	Fibrous Heterogeneous	Tan White	40% Cellulose 35% Mineral Wool 25% Non-fibrous Material	No Asbestos Found
973698	VAPB-1-5-Hall at 5025-M-876	Floor 5	Ceiling Tile	n/a	Fibrous Heterogeneous	White Beige	55% Cellulose 10% Mineral Wool 35% Non-fibrous Material	No Asbestos Found
973699	VAPB-1-5-Hall at elevator-M-877	Floor 5	Ceiling Tile	n/a	Fibrous Heterogeneous	White Beige	55% Cellulose 10% Mineral Wool 35% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: ARY

REVIEWED BY: RLL

QA/QC Officer/Signatory

\*\* This sample was not analyzed for reasons noted in the far right column. Batta Labs, LLC will not charge clients for samples not analyzed. Please contact Batta if charged in error.

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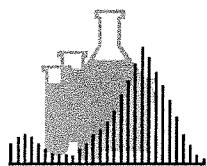
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EPA Lab ID #DE004

**NVLAP**

Lab Code: 101032-0

**Dept. Code: PLM**

Rev. #: 0  
Batch#: N/A  
COC#: N/A

**CERTIFICATE OF PLM ANALYSIS**

Page 3 of 10

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 09/01/18

**Sampling Data**

BLI Project #: R105415  
Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 BLDG 1

Date Sampled: n/a  
Sampled By: CLIENT  
Date Analyzed: 02/25/18

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973700	VAPB-1-5- 5057-M-878	Floor 5	Ceiling Tile	n/a	Fibrous  Heterogeneous	White Beige	55% Cellulose 10% Mineral Wool 35% Non-fibrous Material	No Asbestos Found
973701	VAPB-1-2-D Hall-M-879	Floor 2	Caulk	n/a	Firm  Homogeneous	Green	10% Synthetic Fiber 90% Non-fibrous Material	No Asbestos Found
973702	VAPB-1-2- Kitchen-M-880	Floor 2	Tar Wrap	n/a	Firm  Homogeneous	Black	10% Synthetic Fiber 90% Non-fibrous Material	No Asbestos Found
973703	VAPB-1-2- Kitchen-M-881	Floor 2	Mastic	n/a	Firm  Homogeneous	Black	93% Non- fibrous Material	7% Chrysotile
973704	VAPB-1-2- Radiology hall- M-882	Floor 2	Duct Wrap	n/a	Fibrous  Heterogeneous	White	40% Cellulose 60% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: ARY

REVIEWED BY: RLL

QA/QC Officer/Signatory

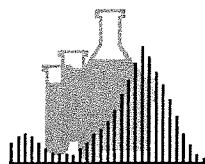
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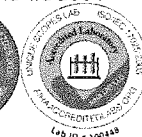
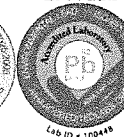
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**NVLAP**

Lab Code: 101032-0

**Dept. Code: PLM**

Rev. #: 0  
Batch#: N/A  
COC#: N/A

**CERTIFICATE OF PLM ANALYSIS**

Page 4 of 10

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 09/01/18

**Sampling Data**

BLI Project #: R105415  
Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 BLDG 1

Date Sampled: n/a  
Sampled By: CLIENT  
Date Analyzed: 02/25/18

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
976685	VAPB-1-2- Radiology hall- M-882 (Layer 1)	Floor 2	Mastic	n/a	Firm  Homogeneous	Brown	100% Non- fibrous Material	No Asbestos Found
973705	VAPB-1-1- 1068-M-883	Floor 1	Mastic	n/a	Firm  Homogeneous	Black	100% Non- fibrous Material	No Asbestos Found
973706	VAPB-1-1- 1007A-M-884	Floor 1	Floor Tile	n/a	Firm  Homogeneous	White	100% Non- fibrous Material	No Asbestos Found
973707	VAPB-1-1- 1007A-M-884 (Layer 1)	Floor 1	Mastic	n/a	Soft  Homogeneous	Black	100% Non- fibrous Material	No Asbestos Found
973708	VAPB-1-1- Kitchen door-M- 885	Floor 1	Caulk	n/a	Firm  Homogeneous	White	100% Non- fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: ARY

REVIEWED BY:

*[Signature]*

QA/QC Officer/Signatory

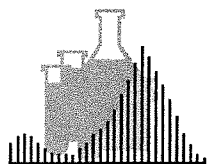
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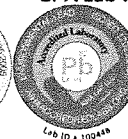
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EPA Lab ID #DE004

**NVLAP**

Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 5 of 10

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 09/01/18

### Sampling Data

BLI Project #:

R105415

Date Sampled: n/a

Project Name:

RIVERFRONT SAFETY & HEALTH-SH1457 BLDG 1

Sampled By: CLIENT

Date Analyzed: 02/25/18

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973709	VAPB-1-3-3144-M-886	Floor 3	Mastic	n/a	Firm Homogeneous	Brown	100% Non-fibrous Material	No Asbestos Found
973710	VAPB-1-3-F hall-M-887	Floor 3	Caulk	n/a	Firm Homogeneous	Green	8% Synthetic Fiber 92% Non-fibrous Material	No Asbestos Found
973711	VAPB-1-5-5025A-M-888	Floor 5	Insulation	n/a	Fibrous Homogeneous	Gray	20% Cellulose 80% Non-fibrous Material	No Asbestos Found
973712	VAPB-1-5-5025A-M-889	Floor 5	Insulation	n/a	Fibrous Homogeneous	Gray	20% Cellulose 80% Non-fibrous Material	No Asbestos Found
973713	VAPB-1-5-5025A-M-890	Floor 5	Insulation	n/a	Fibrous Homogeneous	Gray	20% Cellulose 80% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: ARY

REVIEWED BY:

QA/QC Officer/Signatory

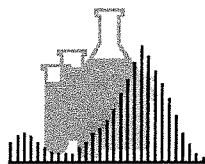
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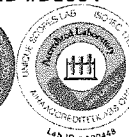
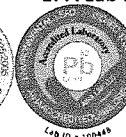
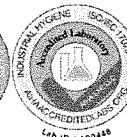
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**NVLAP**

Lab Code: 101032-0

**Dept. Code: PLM**

Rev. #: 0

Batch#: N/A

COC#: N/A

**CERTIFICATE OF PLM ANALYSIS**

Page 6 of 10

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 09/01/18

**Sampling Data**

BLI Project #: R105415

Date Sampled: n/a

Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 BLDG 1

Sampled By: CLIENT

Date Analyzed: 02/25/18

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973714	VAPB-1-5-5027-M-891	Floor 5	Pipe Backing	n/a	Fibrous  Heterogeneous	Black Yellow	10% Cellulose 65% Mineral Wool 25% Non-fibrous Material	No Asbestos Found
973715	VAPB-1-5-B hall-M-892	Floor 5	Seam Tape	n/a	Fibrous  Heterogeneous	White	50% Cellulose 50% Non-fibrous Material	No Asbestos Found
973716	VAPB-1-3-D Hall-M-893	Floor 3	Floor Tile	n/a	Firm  Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
973717	VAPB-1-3-D Hall-M-893 (Layer 1)	Floor 3	Mastic	n/a	Soft  Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
973718	VAPB-1-3-D Hall-M-894	Floor 3	Floor Tile	n/a	Firm  Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: ARY

REVIEWED BY: RQ

QA/QC Officer/Signatory

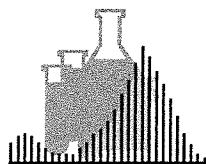
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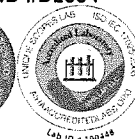
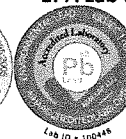
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Tel. (302)737-3376 Fax (302) 737-5764

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)



EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

**Dept. Code: PLM**

Rev. #: 0  
Batch#: N/A  
COC#: N/A

**CERTIFICATE OF PLM ANALYSIS**

Page 7 of 10

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 09/01/18

**Sampling Data**

BLI Project #: R105415  
Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 BLDG 1

Date Sampled: n/a  
Sampled By: CLIENT  
Date Analyzed: 02/25/18

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
976686	VAPB-1-3-D Hall-M-894 (Layer 1)	Floor 3	Mastic	n/a	Soft  Homogeneous	Yellow	100% Non- fibrous Material	No Asbestos Found
973719	VAPB-1-3- 3088-M-895	Floor 3	Insulation	n/a	Fibrous  Heterogeneous	Black Orange	80% Mineral Wool 20% Non-fibrous Material	No Asbestos Found
973720	VAPB-1-3- 3088-M-896	Floor 3	Compound	n/a	Fibrous  Heterogeneous	Orange Beige	58% Mineral Wool 30% Non-fibrous Material	12% Chrysotile
973721	VAPB-1-3- 3004-M-897	Floor 3	Floor Tile	n/a	Firm  Homogeneous	White	100% Non- fibrous Material	No Asbestos Found
973722	VAPB-1-3- 3004-M-897 (Layer 1)	Floor 3	Mastic	n/a	Soft  Homogeneous	Yellow	100% Non- fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: ARY

REVIEWED BY: 

QA/QC Officer/Signatory

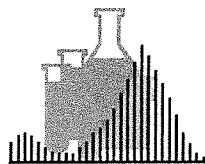
\*This report does not constitute endorsement by NVLAP and/or any other US government agencies.

\*The test data pertain only to the items tested. No assumptions or conclusions should be made to materials or samples not analyzed. Furthermore, Batta Laboratories, LLC assumes no responsibility for the accuracy of results influenced by the use of improper collection techniques or equipment.

\*Organically-bound, nonfriable material may interfere with the accurate and reproducible quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY ELAP Item 198.6/198.4 over the Chatfield method. When point count techniques are utilized on organically-bound, nonfriable materials without the EPA-recommended matrix reduction steps, Batta Laboratories assumes no responsibility regarding the accuracy or precision associated with these results. In these cases, Batta employs a modified version of the EPA point count method.

\*WRTA refers to a group of fibrous Amphiboles typically associated with 'Libby Amphibole'. Within this classification are: winchite, richierite, tremolite, and actinolite.

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NY ELAP LAB# 11993 for  
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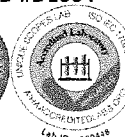
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**BATTA LABORATORIES, LLC**

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Delaware Industrial Park, 6 Garfield Way  
Newark, DE19713-5817  
Tel. (302)737-3376 Fax (302) 737-5764

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EPA Lab ID #DE004

**NVLAP**

Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0  
Batch#: N/A  
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## CERTIFICATE OF PLM ANALYSIS

Page 8 of 10

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 09/01/18

### Sampling Data

BLI Project #: R105415  
Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 BLDG 1

Date Sampled: n/a  
Sampled By: CLIENT  
Date Analyzed: 02/25/18

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973723	VAPB-1-4-4047-M-898	Floor 4	Mastic	n/a	Fibrous  Heterogeneous	Black	40% Non-fibrous Material	60% Chrysotile
973724	VAPB-1-4-4047-M-899	** Floor 4	Mastic	n/a				Sample Not Analyzed (positive stop rules)
973725	VAPB-1-4-4047-M-900	** Floor 4	Mastic	n/a				Sample Not Analyzed (positive stop rules)
973726	VAPB-1-3-3088-M-901	Floor 3	Insulation	n/a	Firm  Homogeneous	Black	10% Mineral Wool 90% Non-fibrous Material	No Asbestos Found
973727	VAPB-1-3-3088-M-902	Floor 3	Insulation	n/a	Firm  Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: ARY

REVIEWED BY: RQ

QA/QC Officer/Signatory

\*\* This sample was not analyzed for reasons noted in the far right column. Batta Labs, LLC will not charge clients for samples not analyzed. Please contact Batta if charged in error.

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EPA Lab ID #DE004

**NVLAP**

Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0  
Batch#: N/A  
COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 9 of 10

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 09/01/18

### Sampling Data

BLI Project #: R105415  
Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 BLDG 1

Date Sampled: n/a  
Sampled By: CLIENT  
Date Analyzed: 02/25/18

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973728	VAPB-1-3-3088-M-903	Floor 3	Compound	n/a	Fibrous  Homogeneous	Beige	30% Mineral Wool 30% Non-fibrous Material	40% Chrysotile
973729	VAPB-1-3-3088-M-904	** Floor 3	Compound	n/a				Sample Not Analyzed (positive stop rules)
973730	VAPB-1-2-Canteen-M-905	Floor 2	Mastic	n/a	Firm  Homogeneous	Black	97% Non-fibrous Material	3% Chrysotile
973731	VAPB-1-3-3144-M-906	Floor 3	Mastic	n/a	Firm  Homogeneous	Brown	100% Non-fibrous Material	No Asbestos Found
973732	VAPB-1-3-3144-M-907	Floor 3	Mastic	n/a	Firm  Homogeneous	Brown	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: ARY

REVIEWED BY: 

QA/QC Officer/Signatory

\*\* This sample was not analyzed for reasons noted in the far right column. Batta Labs, LLC will not charge clients for samples not analyzed. Please contact Batta if charged in error.

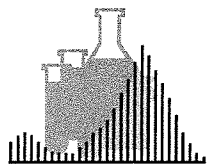
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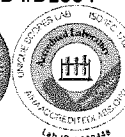
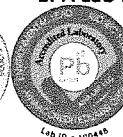
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EPA Lab ID #DE004

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Rev. #: 0  
Batch#: N/A  
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## CERTIFICATE OF PLM ANALYSIS

Page 10 of 10

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 09/01/18

### Sampling Data

BLI Project #: R105415  
Project Name: RIVERFRONT SAFETY & HEALTH-SH1457 BLDG 1

Date Sampled: n/a  
Sampled By: CLIENT  
Date Analyzed: 02/25/18

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
973733	VAPB-1-GFL-30-M-908	Ground Floor	Tar Paper	n/a	Paperlike  Homogeneous	Black	40% Cellulose 60% Non-fibrous Material	No Asbestos Found
973734	VAPB-1-GFL-30-M-909	Ground Floor	Tar Paper	n/a	Paperlike  Homogeneous	Black	40% Cellulose 60% Non-fibrous Material	No Asbestos Found
973735	VAPB-1-2-2030-M-910	Floor 2	Mastic	n/a	Firm  Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

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REVIEWED BY:   
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Sample ID	Building ID	Building Floor	Sample Sequence No.
VAPB-1-2-2035A-M-747 973557	1	2	747
VAPB-1-2-2014-M-748	1	2	748
VAPB-1-2-2074A-M-749	1	2	749
VAPB-1-2-2070A-M-750	1	2	750
VAPB-1-2-2070A-M-751	1	2	751
VAPB-1-2-2076-M-752	1	2	752
VAPB-1-2-2077-S -753	1	2	753
VAPB-1-2-2077-S -754	1	2	754
VAPB-1-2-2C-2D-M-755	1	2	755
VAPB-1-2-2035-S -756	1	2	756
VAPB-1-2-2035-T-757	1	2	757
VAPB-1-2-2035-T-758	1	2	758
VAPB-1-2-2035-T-759	1	2	759
VAPB-1-2-2C-2D-M-760	1	2	760
VAPB-1-2-2C-2D-M-761	1	2	761
VAPB-1-2-2C-2D-M-762	1	2	762
VAPB-1-2-2C-2D-M-763	1	2	763
VAPB-1-2-2C-2D-M-764	1	2	764
VAPB-1-2-2C-2D-M-765	1	2	765
VAPB-1-3-3040-M-766	1	3	766
VAPB-1-3-3040-M-767	1	3	767
VAPB-1-3-3040-M-768	1	3	768
VAPB-1-3-3041C-M-769	1	3	769
VAPB-1-3-3041C-M-770	1	3	770
VAPB-1-3-3041C-M-771	1	3	771
VAPB-1-3-3041C-M-772	1	3	772
VAPB-1-3-3041C-M-773 973557	1	3	773
Sample ID	Building ID	Building Floor	Sample Sequence No.
VAPB-1-5-5037-M-871 97360	1	5	871
VAPB-1-5-5074-M-872	1	5	872
VAPB-1-5-5065-M-873	1	5	873
VAPB-1-5-5017-M-874	1	5	874
VAPB-1-5-5011B-M-875	1	5	875
VAPB-1-5-Hall at 5025-M-876	1	5	876
VAPB-1-5-Hall at elevator-M-877	1	5	877
VAPB-1-5-5057-M-878	1	5	878
VAPB-1-2-D Hall-M-879	1	2	879
VAPB-1-2-Kitchen-M-880	1	2	880
VAPB-1-2-Kitchen-M-881	1	2	881
VAPB-1-2-Radiology hall-M-882	1	2	882
VAPB-1-1-1068-M-883	1	1	883
VAPB-1-1-1007A-M-884	1	1	884
VAPB-1-1-Kitchen door-M-885	1	1	885
VAPB-1-3-3144-M-886	1	3	886
VAPB-1-3-F hall-M-887 973710	1	3	887

VAPB-1-5-5025A-M-888	973711	1	5	888
VAPB-1-5-5025A-M-889		1	5	889
VAPB-1-5-5025A-M-890		1	5	890
VAPB-1-5-5027-M-891		1	5	891
VAPB-1-5-B hall-M-892		1	5	892
VAPB-1-3-D Hall-M-893		1	3	893
VAPB-1-3-D Hall-M-894		1	3	894
VAPB-1-3-3088-M-895		1	3	895
VAPB-1-3-3088-M-896		1	3	896
VAPB-1-3-3004-M-897		1	3	897
VAPB-1-4-4047-M-898		1	4	898
VAPB-1-4-4047-M-899		1	4	899
VAPB-1-4-4047-M-900		1	4	900
VAPB-1-3-3088-M-901		1	3	901
VAPB-1-3-3088-M-902		1	3	902
VAPB-1-3-3088-M-903		1	3	903
VAPB-1-3-3088-M-904		1	3	904
VAPB-1-2-Canteen-M-905		1	2	905
VAPB-1-3-3144-M-906		1	3	906
VAPB-1-3-3144-M-907		1	3	907
VAPB-1-GFL-30-M-908		1	GFL	908
VAPB-1-GFL-30-M-909		1	GFL	909
VAPB-1-2-2030-M-910	973735	1	2	910

802 layer 976685  
804 layer 976686  
894



# EMSL Analytical, Inc.

3029 S. Jefferson Saint Louis, MO 63118

Tel/Fax: (314) 577-0150 / (314) 776-3313

<http://www.EMSL.com> / [saintlouislabs@emsl.com](mailto:saintlouislabs@emsl.com)

EMSL Order: 391712748

Customer ID: RIVF72

Customer PO:

Project ID:

**Attention:** Zachary Haselhorst  
Riverfront Safety & Health, LLC  
1139 Olive Street  
Saint Louis, MO 63101

**Phone:** (314) 436-9492

**Fax:** (314) 436-9733

**Received Date:** 12/14/2017 2:56 PM

**Analysis Date:** 12/15/2017

**Collected Date:**

**Project:** SH1457/VAPB

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
534-Ins. <small>391712748-0001</small>		Brown Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (Other)	None Detected
534-Ins. <small>391712748-0001A</small>		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
534-Adhesive <small>391712748-0001B</small>		Black Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
535-Ins. <small>391712748-0002</small>		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
535-Adhesive <small>391712748-0002A</small>		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
536-Ins. <small>391712748-0003</small>		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
536-Adhesive <small>391712748-0003A</small>		Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
540-Wrap <small>391712748-0004</small>		Brown Fibrous Homogeneous	96% Cellulose	4% Non-fibrous (Other)	None Detected
540-Adhesive <small>391712748-0004A</small>		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
541-Wrap <small>391712748-0005</small>		Brown Fibrous Homogeneous	97% Cellulose	3% Non-fibrous (Other)	None Detected
541-Adhesive <small>391712748-0005A</small>		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
542-Wrap <small>391712748-0006</small>		Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
542-Adhesive <small>391712748-0006A</small>		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected



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3029 S. Jefferson Saint Louis, MO 63118

Tel/Fax: (314) 577-0150 / (314) 776-3313

<http://www.EMSL.com> / [saintlouislabs@emsl.com](mailto:saintlouislabs@emsl.com)

EMSL Order: 391712748

Customer ID: RIVF72

Customer PO:

Project ID:

Analyst(s)

Sue Ferrario (9)

Stuart Kinkist (4)

Jeff Siria, Laboratory Manager  
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Saint Louis, MO NVLAP Lab Code 200742-0

Initial report from: 12/15/2017 12:08:59

EMSL ANALYTICAL, INC.  
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## Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

391712748

EMSL ANALYTICAL, INC.  
3029 S. JEFFERSON  
ST. LOUIS, MO 63118  
PHONE: (314) 577-0150  
FAX: (314) 776-3313

Company Name: <u>RIVERFRONT SAFETY &amp; HEALTH</u>		EMSL Customer ID:	
Street: <u>1139 OLIVE ST. STE 360</u>		City: <u>ST. LOUIS</u>	State/Province: <u>MO</u>
Zip/Postal Code: <u>63101</u>	Country: <u>US</u>	Telephone #: <u>314-696-9157</u>	Fax #:
Report To (Name): <u>ZAUL HASELHORST</u>		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
Email Address: <u>zhasehorst@riverfrontenvironmental.com</u>		Purchase Order:	
Project Name/Number: <u>SHW57 / UAGS</u>		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken:		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different - If Bill to is Different note instructions in Comments** Third Party Billing requires written authorization from third party			
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input checked="" type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.			
<b>PCM - Air</b> <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA <b>PLM - Bulk (reporting limit)</b> <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NYS 198.8 SOF-V <input type="checkbox"/> NIOSH 9002 (<1%)		<b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 <b>TEM - Bulk</b> <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 <b>TEM - Water:</b> EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
<b>TEM - Dust</b> <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) <b>Soil/Rock/Vermiculite*</b> <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> TEM Qual. via Filtration Technique <input type="checkbox"/> TEM Qual. via Drop-Mount Technique *Can not accept New York State Loose Fill Vermiculite Samples <b>Other:</b> <input type="checkbox"/>			
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Filter Pore Size (Air Samples): <input type="checkbox"/> 0.8µm <input checked="" type="checkbox"/> 0.45µm	
Samplers Name: <u>Zachary A. Haselhorst</u>		Samplers Signature: <u>Zachary A. Haselhorst</u>	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
534	HMA 47 CORK PIPE INS.		12/14/17
535	↓		↓
536	↓		↓
540	HMA 49 CORK PIPE INS. WRAP		
541	↓		↓
542	↓		↓
Client Sample # (s): <u>534 - 542</u>		Total # of Samples: <u>6</u>	
Relinquished (Client): <u>Zachary A. Haselhorst</u>		Date: <u>12/14/17</u>	Time: <u>2:56 pm</u>
Received (Lab): <u>[Signature]</u>		Date: <u>12-14-17</u>	Time: <u>2:56 w/i</u>
Comments/Special Instructions:			



# EMSL Analytical, Inc.

3029 S. Jefferson Saint Louis, MO 63118

Tel/Fax: (314) 577-0150 / (314) 776-3313

<http://www.EMSL.com> / [saintlouislalab@emsl.com](mailto:saintlouislalab@emsl.com)

EMSL Order: 391801018

Customer ID: RIVF72

Customer PO:

Project ID:

**Attention:** Zachary Haselhorst  
Riverfront Safety & Health, LLC  
1139 Olive Street  
Saint Louis, MO 63101

**Phone:** (314) 436-9492

**Fax:** (314) 436-9733

**Received Date:** 01/29/2018 3:25 PM

**Analysis Date:** 01/30/2018

**Collected Date:**

**Project:** SH1457/VADB

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
911-Mastic <small>391801018-0001</small>		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
911-Floor Tile <small>391801018-0001A</small>		Various Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
911-Mastic <small>391801018-0001B</small>		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
912-Floor Tile <small>391801018-0002</small>		Green Non-Fibrous Homogeneous		93% Non-fibrous (Other)	7% Chrysotile
912-Mastic <small>391801018-0002A</small>		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
912-Mastic <small>391801018-0002B</small>		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
913-Floor Tile <small>391801018-0003</small>		Green Non-Fibrous Homogeneous		93% Non-fibrous (Other)	7% Chrysotile
913-Mastic <small>391801018-0003A</small>		Orange Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
913-Mastic <small>391801018-0003B</small>		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Sue Ferrario (6)

Stuart Kinkist (3)

Jeff Siria, Laboratory Manager  
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Saint Louis, MO NVLAP Lab Code 200742-0

Initial report from: 01/30/2018 14:12:54

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## Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

391801018

EMSL ANALYTICAL, INC.  
3029 S JEFFERSON AVE  
ST. LOUIS, MO 63118  
PHONE: (314) 577-0150  
FAX: (314) 776-3313

Company Name: <u>RIVERFRONT SAFETY &amp; HEALTH</u>		EMSL Customer ID:	
Street: <u>1139 OLIVE ST. STE 300</u>		City: <u>ST. LOUIS</u>	State/Province: <u>MO</u>
Zip/Postal Code: <u>63101</u>	Country: <u>US</u>	Telephone #: <u>314 646 9151</u>	Fax #:
Report To (Name): <u>PAUL HASELHORST</u>		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
Email Address: <u>phaselhorst@riverfrontenvironmental.com</u>		Purchase Order:	
Project Name/Number: <u>SA1457/VA03</u>		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken: <u>MO</u>		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different - If Bill to is Different note instructions in Comments** Third Party Billing requires written authorization from third party			
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input checked="" type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.			
PCM - Air <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA		TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312	
PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NYS 198.8 SOF-V <input type="checkbox"/> NIOSH 9002 (<1%)		TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
TEM - Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)		Soil/Rock/Vermiculite <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<1%) <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.25%) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM Qualitative via Filtration Prep <input type="checkbox"/> TEM Qualitative via Drop Mount Prep <input type="checkbox"/> Cincinnati Method EPA 600/R-04/004 - PLM/TEM (BC only) Other: <input type="checkbox"/>	
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Filter Pore Size (Air Samples): <input type="checkbox"/> 0.8µm <input checked="" type="checkbox"/> 0.45µm	
Samplers Name: <u>PAUL HASELHORST</u>		Samplers Signature: <u>Richard A. Mouchard</u>	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
911	<u>Room 2121 - FLOOR TILE UNDER CARPET (GREEN)</u>	<u>BLANK MASS</u>	<u>1/26/18</u>
912	↓	↓	↓
913	↓	↓	↓
Client Sample # (s): <u>911 - 913</u>		Total # of Samples: <u>3</u>	
Relinquished (Client): <u>Richard A. Mouchard</u>		Date: <u>1/24/18</u>	Time: <u>3:25 pm</u>
Received (Lab): <u>Peter Butler</u>		Date: <u>1-29-18</u>	Time: <u>3:25 PM</u>
Comments/Special Instructions:			



# EMSL Analytical, Inc.

3029 S. Jefferson Saint Louis, MO 63118

Tel/Fax: (314) 577-0150 / (314) 776-3313

<http://www.EMSL.com> / [saintlouislabs@emsl.com](mailto:saintlouislabs@emsl.com)

EMSL Order: 391809274

Customer ID: RIVF72

Customer PO:

Project ID:

**Attention:** Justin Rhyneer  
Riverfront Safety & Health, LLC  
1139 Olive Street  
Saint Louis, MO 63101

**Phone:** (314) 477-5566

**Fax:** (314) 436-9733

**Received Date:** 08/29/2018 3:55 PM

**Analysis Date:** 08/30/2018

**Collected Date:**

**Project:** SH1457 PB Insp.

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
EXT-1 <i>391809274-0001</i>		Brown Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
EXT-2 <i>391809274-0002</i>		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EXT-3 <i>391809274-0003</i>		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EXT-4 <i>391809274-0004</i>		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EXT-5 <i>391809274-0005</i> <i>Inseparable coating layer included in analysis.</i>		Various Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
EXT-6 <i>391809274-0006</i>		Brown Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
EXT-7 <i>391809274-0007</i>		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EXT-8 <i>391809274-0008</i>		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EXT-9-Caulk <i>391809274-0009</i>		Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EXT-9-Caulk <i>391809274-0009A</i>		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EXT-9-Caulk <i>391809274-0009B</i>		Brown Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
EXT-10 <i>391809274-0010</i> <i>Inseparable coating layer included in analysis.</i>		Various Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
EXT-11-Insulation <i>391809274-0011</i>		Various Non-Fibrous Homogeneous	18% Fibrous (Other)	82% Non-fibrous (Other)	None Detected
EXT-11-Caulk <i>391809274-0011A</i>		Brown Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
EXT-12-Insulation <i>391809274-0012</i>		Various Non-Fibrous Homogeneous	19% Fibrous (Other)	81% Non-fibrous (Other)	None Detected

Initial report from: 08/30/2018 21:12:21





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Tel/Fax: (314) 577-0150 / (314) 776-3313

<http://www.EMSL.com> / [saintlouislabs@emsl.com](mailto:saintlouislabs@emsl.com)

EMSL Order: 391809274

Customer ID: RIVF72

Customer PO:

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
EXT-12-Caulk 391809274-0012A		Brown Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
EXT-13 391809274-0013		Various Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Inseparable coating layer included in analysis.					
EXT-14 391809274-0014		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EXT-15 391809274-0015		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EXT-16 391809274-0016		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
79 391809274-0017		Various Non-Fibrous Homogeneous		16% Quartz 84% Non-fibrous (Other)	None Detected
80 391809274-0018		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
81 391809274-0019		Various Non-Fibrous Homogeneous		83% Non-fibrous (Other)	17% Chrysotile
117-Floor Tile 391809274-0020		Various Non-Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
117-Insulation 391809274-0020A		Brown Non-Fibrous Homogeneous		13% Quartz 87% Non-fibrous (Other)	None Detected
118 391809274-0021		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
119 391809274-0022		Various Non-Fibrous Heterogeneous	9% Cellulose 9% Synthetic 9% Glass	73% Non-fibrous (Other)	None Detected
172-Floor Tile 391809274-0023		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
172-Adhesive 391809274-0023A		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
173-Floor Tile 391809274-0024		Various Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
173-Adhesive 391809274-0024A		Black Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
174-Flooring 391809274-0025		Various Non-Fibrous Heterogeneous	16% Cellulose 6% Synthetic 6% Glass	72% Non-fibrous (Other)	None Detected
174-Adhesive 391809274-0025A		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 08/30/2018 21:12:21



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Tel/Fax: (314) 577-0150 / (314) 776-3313

<http://www.EMSL.com> / [saintlouislab@emsl.com](mailto:saintlouislab@emsl.com)

EMSL Order: 391809274

Customer ID: RIVF72

Customer PO:

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
174-Flooring 391809274-0025B		Various Non-Fibrous Heterogeneous	26% Cellulose	74% Non-fibrous (Other)	None Detected
178A 391809274-0026		Various Fibrous Heterogeneous	27% Cellulose 36% Min. Wool	27% Perlite 10% Non-fibrous (Other)	None Detected
191A 391809274-0027		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
203A-Insulation 391809274-0028		Pink Fibrous Homogeneous	95% Min. Wool	5% Non-fibrous (Other)	None Detected
203A-Insulation 391809274-0028A		White Fibrous Homogeneous	96% Min. Wool	4% Non-fibrous (Other)	None Detected
204A 391809274-0029		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
219A-Caulk 391809274-0030		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
219A-Caulk 391809274-0030A		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
222A-Floor Tile 391809274-0031		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
222A-Adhesive 391809274-0031A		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
290A 391809274-0032		Gray Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
296A-Caulk 391809274-0033		Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
296A-Caulk 391809274-0033A		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
305A 391809274-0034		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
317A 391809274-0035		Various Fibrous Heterogeneous	26% Cellulose 35% Min. Wool	26% Perlite 13% Non-fibrous (Other)	None Detected
320A-Floor Tile 391809274-0036		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
320A-Adhesive 391809274-0036A		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
341A-Floor Tile 391809274-0037		Various Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
341A-Adhesive 391809274-0037A		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 08/30/2018 21:12:21



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Tel/Fax: (314) 577-0150 / (314) 776-3313

<http://www.EMSL.com> / [saintlouislabs@emsl.com](mailto:saintlouislabs@emsl.com)

EMSL Order: 391809274

Customer ID: RIVF72

Customer PO:

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
341A-Leveler 391809274-0037B		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
386A-Adhesive 391809274-0038		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
386A-Floor Tile 391809274-0038A		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
386A-Adhesive 391809274-0038B		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
417A 391809274-0039		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
430A 391809274-0040		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
458A 391809274-0041		Brown Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
469A 391809274-0042		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
477A 391809274-0043		Various Fibrous Heterogeneous	79% Min. Wool	19% Perlite 2% Non-fibrous (Other)	None Detected
480A 391809274-0044		Various Non-Fibrous Heterogeneous	36% Cellulose	64% Non-fibrous (Other)	None Detected
483A 391809274-0045		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
490A 391809274-0046		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
492A-Floor Tile 391809274-0047		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
492A-Adhesive 391809274-0047A		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
519A-Floor Tile 391809274-0048		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
519A-Adhesive 391809274-0048A		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
521A-Floor Tile 391809274-0049		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
521A-Adhesive 391809274-0049A		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
521A-Leveler 391809274-0049B		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 08/30/2018 21:12:21



# EMSL Analytical, Inc.

3029 S. Jefferson Saint Louis, MO 63118

Tel/Fax: (314) 577-0150 / (314) 776-3313

<http://www.EMSL.com> / [saintlouislalab@emsl.com](mailto:saintlouislalab@emsl.com)

EMSL Order: 391809274

Customer ID: RIVF72

Customer PO:

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
521A-Leveler		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0049C					
525A-Insulation		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0050					
525A-Insulation		Various Fibrous Homogeneous	97% Glass	3% Non-fibrous (Other)	None Detected
391809274-0050A					
528A-Insulation		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0051					
528A-Insulation		Black Fibrous Homogeneous	88% Glass	12% Non-fibrous (Other)	None Detected
391809274-0051A					
529A-Insulation		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0052					
529A-Insulation		Brown Non-Fibrous Homogeneous	19% Cellulose 19% Glass	62% Non-fibrous (Other)	None Detected
391809274-0052A					
531A-Insulation		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0053					
531A-Adhesive		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0053A					
544A-Floor Tile		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0054					
544A-Adhesive		Black Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
391809274-0054A					
548A-Floor Tile		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0055					
548A-Adhesive		Black Non-Fibrous Homogeneous		93% Non-fibrous (Other)	7% Chrysotile
391809274-0055A					
551A-Floor Tile		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0056					
551A-Adhesive		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0056A					
551A-Adhesive		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0056B					
551A-Leveler		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0056C					
565A-Concrete		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0057					
565A-Adhesive		Black Non-Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
391809274-0057A					

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EMSL Order: 391809274

Customer ID: RIVF72

Customer PO:

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
572A-Adhesive		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0058					
572A-Insulation		Pink Fibrous Homogeneous	96% Min. Wool	4% Non-fibrous (Other)	None Detected
391809274-0058A					
577A-Cove Base		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0059					
577A-Adhesive		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0059A					
579A-Felt		Brown Non-Fibrous Homogeneous	26% Cellulose	74% Non-fibrous (Other)	None Detected
391809274-0060					
579A-Tar		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0060A					
591A		Various Fibrous Heterogeneous	27% Cellulose 36% Min. Wool	27% Perlite 10% Non-fibrous (Other)	None Detected
391809274-0061					
593A		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0062					
608A		Various Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
391809274-0063					
620A-Floor Tile		Various Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
391809274-0064					
620A-Adhesive		Black Non-Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
391809274-0064A					
626A		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0065					
640A-Floor Tile		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0066					
640A-Adhesive		Black Non-Fibrous Homogeneous		91% Non-fibrous (Other)	9% Chrysotile
391809274-0066A					
644A-Floor Tile		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0067					
644A-Adhesive		Orange Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0067A					
672A-Floor Tile		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0068					
672A-Adhesive		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0068A					
674A-Floor Tile		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0069					

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EMSL Order: 391809274

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

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
674A-Adhesive 391809274-0069A		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
674A-Leveler 391809274-0069B		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
674A-Floor Tile 391809274-0069C		Various Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
682A 391809274-0070		Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
685A-Floor Tile 391809274-0071		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
685A-Adhesive 391809274-0071A		Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
689A 391809274-0072		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
701A-Floor Tile 391809274-0073		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
701A-Adhesive 391809274-0073A		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
704A 391809274-0074		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
713A-Floor Tile 391809274-0075 <i>Insufficient adhesive for analysis.</i>		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
713A-Concrete 391809274-0075A <i>Insufficient adhesive for analysis.</i>		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
721A-Adhesive 391809274-0076 <i>Insufficient black adhesive for analysis.</i>		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
721A-Floor Tile 391809274-0076A <i>Insufficient black adhesive for analysis.</i>		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
723A 391809274-0077		Tan Fibrous Homogeneous	27% Cellulose 36% Min. Wool	27% Perlite 10% Non-fibrous (Other)	None Detected
724A-Floor Tile 391809274-0078		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
724A-Adhesive 391809274-0078A		Black Non-Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
727A-Adhesive		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0079					
727A-Adhesive		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0079A					
727A-Plaster		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0079B					
731A		Various Fibrous Heterogeneous	29% Cellulose 38% Min. Wool	29% Perlite 4% Non-fibrous (Other)	None Detected
391809274-0080					
734A		Various Fibrous Heterogeneous	26% Cellulose 35% Min. Wool	26% Perlite 13% Non-fibrous (Other)	None Detected
391809274-0081					
740A		Various Fibrous Heterogeneous	27% Cellulose 36% Min. Wool	27% Perlite 10% Non-fibrous (Other)	None Detected
391809274-0082					
741A-Cove Base		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0083					
741A-Adhesive		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0083A					
742A		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0084					
Insufficient adhesive for analysis.					
747A		Various Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
391809274-0085					
755A		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0086					
761A-Floor Tile		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0087					
761A-Adhesive		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0087A					
763A		Tan Non-Fibrous Homogeneous		91% Non-fibrous (Other)	9% Chrysotile
391809274-0088					
766A-Floor Tile		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0089					
766A-Adhesive		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0089A					
768A		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0090					
Insufficient adhesive for analysis.					
769A-Caulk		Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0091					

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EMSL Order: 391809274

Customer ID: RIVF72

Customer PO:

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
769A-Flooring 391809274-0091A		Various Non-Fibrous Heterogeneous	16% Cellulose 6% Synthetic 6% Glass	72% Non-fibrous (Other)	None Detected
773A-Flooring 391809274-0092		Various Non-Fibrous Heterogeneous	17% Cellulose 7% Synthetic 7% Glass	69% Non-fibrous (Other)	None Detected
773A-Adhesive 391809274-0092A		Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
777A-Adhesive 391809274-0093		Orange Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
777A-Flooring 391809274-0093A		Various Non-Fibrous Heterogeneous	18% Cellulose 8% Synthetic 8% Glass	66% Non-fibrous (Other)	None Detected
777A-Adhesive 391809274-0093B		Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
792A-Floor Tile 391809274-0094		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
792A-Adhesive 391809274-0094A		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
800A-Floor Tile 391809274-0095		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
800A-Adhesive 391809274-0095A		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
802A-Floor Tile 391809274-0096		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
802A-Adhesive 391809274-0096A		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
803A 391809274-0097		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
815A-Flooring 391809274-0098		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
815A-Adhesive 391809274-0098A		Orange Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
815A-Leveler 391809274-0098B		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
818A-Flooring 391809274-0099		Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
818A-Adhesive 391809274-0099A		Black Non-Fibrous Homogeneous		91% Non-fibrous (Other)	9% Chrysotile
821A 391809274-0100		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
829A		Gray Non-Fibrous Homogeneous	11% Cellulose	89% Non-fibrous (Other)	None Detected
391809274-0101					
849A		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0102					
850A		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0103					
851A		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0104					
854A-Insulation		Brown Fibrous Homogeneous		43% Non-fibrous (Other)	57% Chrysotile
391809274-0105					
854A-Insulation		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0105A					
879A		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0106					
893A-Caulk		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0107					
893A-Floor Tile		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0107A					
893A-Adhesive		Orange Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0107B					
894A-Floor Tile		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0108					
894A-Adhesive		Orange Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0108A					
894A-Floor Tile		Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0108B					
594 A WING SOUTH DEBRIS		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0109					
595-Plaster A WING CENTRAL DEBRIS		Tan Non-Fibrous Homogeneous		28% Quartz 72% Non-fibrous (Other)	None Detected
391809274-0110					
595-Insulation A WING CENTRAL DEBRIS		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0110A					
596-Insulation A WING SOUTH DEBRIS		Gray Non-Fibrous Homogeneous	27% Cellulose	73% Non-fibrous (Other)	None Detected
391809274-0111					
596-Insulation A WING DEBRIS - SOUTH		White Non-Fibrous Homogeneous		73% Non-fibrous (Other)	12% Amosite 15% Chrysotile
391809274-0111A					
597-Plaster F WING WEST DEBRIS		Tan Non-Fibrous Homogeneous		28% Quartz 72% Non-fibrous (Other)	None Detected
391809274-0112					

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Sample	Description	Appearance	% Fibrous	Non-Asbestos	Asbestos
				% Non-Fibrous	% Type
597-Insulation	F WING WEST DEBRIS	White Fibrous Homogeneous		70% Non-fibrous (Other)	13% Amosite 17% Chrysotile
391809274-0112A					
598-Insulation	F WING CENTRAL DEBRIS	Tan Non-Fibrous Homogeneous		22% Quartz 78% Non-fibrous (Other)	None Detected
391809274-0113					
598-Insulation	F WING CENTRAL DEBRIS	White Non-Fibrous Homogeneous		72% Non-fibrous (Other)	16% Amosite 12% Chrysotile
391809274-0113A					
599-Plaster	F WING EAST DEBRIS	White Non-Fibrous Homogeneous		12% Perlite 88% Non-fibrous (Other)	None Detected
391809274-0114					
599-Insulation	F WING EAST DEBRIS	White Non-Fibrous Homogeneous		67% Non-fibrous (Other)	17% Amosite 16% Chrysotile
391809274-0114A					
600-Plaster	C WING NORTH DEBRIS	Various Non-Fibrous Homogeneous		28% Quartz 72% Non-fibrous (Other)	None Detected
391809274-0115					
600-Tar	C WING NORTH DEBRIS	Black Non-Fibrous Homogeneous	11% Cellulose	89% Non-fibrous (Other)	None Detected
391809274-0115A					
600-Insulation	C WING NORTH DEBRIS	White Non-Fibrous Homogeneous		71% Non-fibrous (Other)	14% Amosite 15% Chrysotile
391809274-0115B					
601	C WING SOUTH DEBRIS	White Fibrous Homogeneous		72% Non-fibrous (Other)	15% Amosite 13% Chrysotile
391809274-0116					
602-Plaster	C WING EAST DEBRIS	Various Non-Fibrous Homogeneous		21% Quartz 79% Non-fibrous (Other)	None Detected
391809274-0117					
602-Insulation	C WING EAST DEBRIS	Tan Non-Fibrous Heterogeneous	34% Cellulose	66% Non-fibrous (Other)	None Detected
391809274-0117A					
602-Insulation	C WING EAST DEBRIS	White Fibrous Homogeneous		72% Non-fibrous (Other)	13% Amosite 15% Chrysotile
391809274-0117B					
602-Insulation	C WING EAST DEBRIS	Gray Fibrous Homogeneous		47% Non-fibrous (Other)	53% Chrysotile
391809274-0117C					
603-Wrap	E WING SOUTH DEBRIS	Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0118					
603-Insulation	E WING SOUTH DEBRIS	Tan Fibrous Homogeneous	94% Cellulose	6% Non-fibrous (Other)	None Detected
391809274-0118A					
603-Insulation	E WING SOUTH DEBRIS	Gray Fibrous Homogeneous		42% Non-fibrous (Other)	58% Chrysotile
391809274-0118B					
603-Insulation	E WING SOUTH DEBRIS	Gray Non-Fibrous Homogeneous	97% Cellulose	3% Non-fibrous (Other)	None Detected
391809274-0118C					
603-Insulation	E WING SOUTH DEBRIS	Gray Non-Fibrous Homogeneous		52% Non-fibrous (Other)	48% Chrysotile
391809274-0118D					
604-Concrete	E WING NORTH DEBRIS	Gray Non-Fibrous Homogeneous		19% Quartz 81% Non-fibrous (Other)	None Detected
391809274-0119					

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
604-Insulation	E WING NORTH DEBRIS	Gray Non-Fibrous Homogeneous	37% Min. Wool	63% Non-fibrous (Other)	None Detected
391809274-0119A					
604-Insulation	E WING NORTH DEBRIS	White Fibrous Homogeneous		69% Non-fibrous (Other)	16% Amosite 15% Chrysotile
391809274-0119B					
604-Insulation	E WING NORTH DEBRIS	Various Non-Fibrous Homogeneous	11% Min. Wool	35% Quartz 54% Non-fibrous (Other)	None Detected
391809274-0119C					
605-Caulk	E WING EAST DEBRIS	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
391809274-0120					
605-Insulation	E WING EAST DEBRIS	Various Non-Fibrous Homogeneous		24% Quartz 14% Perlite 62% Non-fibrous (Other)	None Detected
391809274-0120A					
605-Insulation	E WING EAST DEBRIS	Tan Fibrous Homogeneous	92% Min. Wool	8% Non-fibrous (Other)	None Detected
391809274-0120B					
605-Wrap	E WING EAST DEBRIS	Various Fibrous Homogeneous	98% Glass	2% Non-fibrous (Other)	None Detected
391809274-0120C					
605-Insulation	E WING EAST DEBRIS	White Non-Fibrous Homogeneous		71% Non-fibrous (Other)	13% Amosite 16% Chrysotile
391809274-0120D					

Analyst(s)

Sue Ferrario (176)

Stuart Kinqist (33)

Jeff Siria, Laboratory Manager  
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Saint Louis, MO NVLAP Lab Code 200742-0

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EMSL Order Number (Lab Use Only):

391809274

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ST. LOUIS, MO 63118  
PHONE: (314) 577-0150  
FAX: (314) 776-3313

Company Name: <u>RIVERFRONT SEH</u>		EMSL Customer ID:	
Street: <u>1139 OLIVE ST.</u>		City:	State/Province:
Zip/Postal Code:	Country:	Telephone #:	Fax #:
Report To (Name): <u>S. Rhyne</u>		Please Provide Results: <input type="checkbox"/> Fax <input type="checkbox"/> Email	
Email Address:		Purchase Order:	
Project Name/Number: <u>341457 PB Insp.</u>		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken:		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different - If Bill to is Different note instructions in Comments** Third-Party Billing requires written authorization from third party			
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input checked="" type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
*For TEM Air 3 hr through 6 hr; please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.			
<b>PCM - Air</b> <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA <b>PLM - Bulk (reporting limit)</b> <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NYS 198.8 SOF-V <input type="checkbox"/> NIOSH 9002 (<1%)		<b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 <b>TEM - Bulk</b> <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 <b>TEM - Water:</b> EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
<b>TEM- Dust</b> <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)		<b>Soil/Rock/Vermiculite</b> <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<1%) <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.25%) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM Qualitative via Filtration Prep <input type="checkbox"/> TEM Qualitative via Drop Mount Prep <input type="checkbox"/> Cincinnati Method EPA 600/R-04/004 - PLM/TEM (BC only) <b>Other:</b> <input type="checkbox"/>	
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Filter Pore Size (Air Samples): <input type="checkbox"/> 0.8µm <input type="checkbox"/> 0.45µm	
Samplers Name:		Samplers Signature:	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
Ext-1	PB Bldg-1 EXTERIOR	Bulk	
-2			
-3			
-4			
-5			
Client Sample # (s):		Total # of Samples:	
Relinquished (Client): <u>[Signature]</u>		Date: <u>8/29/18</u>	Time: <u>1655</u>
Received (Lab): <u>[Signature]</u>		Date: <u>8-29-18</u>	Time: <u>3:55</u>
Comments/Special Instructions:			



EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING

# Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

391809274

EMSL ANALYTICAL, INC.  
3029 S JEFFERSON AVE  
ST. LOUIS, MO 63118  
PHONE: (314) 577-0150  
FAX: (314) 776-3313

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
EXT -6	PB Bldg. 1 EXTERIOR	Bulk	
" -7			
" -8			
" -9			
" -10			
" -11			
" -12			
" -13			
" -14			
" -15			
" -16			
79	PB SPLIT SAMPLES	Bulk	
80			
81			
117			
118			
119			
172			
173			
174			
178A			
191A			
*Comments/Special Instructions:			



EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING

**Asbestos Chain of Custody****EMSL Order Number (Lab Use Only):**

391809274

EMSL ANALYTICAL, INC.  
3029 S JEFFERSON AVE  
ST. LOUIS, MO 63118  
PHONE: (314) 577-0150  
FAX: (314) 776-3313

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Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
203A	PB SPLIT SAMPLES	BULK	
204A			
219A			
222A			
290A			
296A			
305A			
317A			
320A			
341A			
386A			
417A			
430A			
458A			
469A			
477A			
480A			
483A			
490A <del>490A</del>			
492A			
519A			
521A			
525A			
*Comments/Special Instructions:			

EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING**Asbestos Chain of Custody**  
**EMSL Order Number (Lab Use Only):**

391809274

EMSL ANALYTICAL, INC.  
3029 S JEFFERSON AVE  
ST. LOUIS, MO 63118  
PHONE: (314) 577-0150  
FAX: (314) 776-3313

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
528A	PB SPLIT SAMPLES	BULK	
529A			
531A			
544A			
548A			
551A			
565A			
572A			
577A			
579A			
591A			
593A			
608A			
620A			
626A			
640A			
644A			
672A			
674A			
682A			
685A			
689A			
701A			
*Comments/Special Instructions:			

EMSL ANALYTICAL, INC.  
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## Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

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EMSL ANALYTICAL, INC.  
3029 S JEFFERSON AVE  
ST. LOUIS, MO 63118

PHONE: (314) 577-0150

FAX: (314) 776-3313

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
704A	PB SPLIT SAMPLES	BULK	
713A			
721A			
723A			
724A			
727A			
731A			
734A			
740A			
741A			
742A			
747A			
755A			
761A			
763A			
766A			
768A			
769A			
773A			
777A			
792A			
800A			
802A			
*Comments/Special Instructions:			





EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

# Asbestos Chain of Custody

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EMSL ANALYTICAL, INC.  
3029 S JEFFERSON AVE  
ST. LOUIS, MO 63118  
PHONE: (314) 577-0150  
FAX: (314) 776-3313

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
803A	PB SPUT SAMPLES	BULK	
815A			
818A			
821A			
829A			
849A			
850A			
851A			
854A			
879A			
893A			
894A			
594	PB CRAWLSPACE SOIL DEBRIS (Bulk)		
595			
596			
597			
598			
599			
600			
601			
602			
603-605			
<p>VARIOUS TYPES/COLORS - SEPARATE LAYERS AS NEEDED</p>			
<p>*Comments/Special Instructions:</p>			

## **Periodic Surveillance Forms**

## **2018 Reinspection Certifications**

Issue Date: 2/10/2017

Certificate Number: 7000021017MOAP16667

This certification does not expire (unless revoked)

**Missouri State Certificate for Asbestos Related Occupations**

issued by Department of Natural Resources

P.O. Box 176

Jefferson City, MO 65102

Phone (573) 751-4817

**Zachary A Haselhorst**

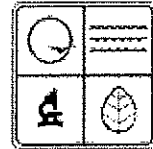
has successfully completed the requirements for certification as a AIR SAMPLING PROFESSIONAL.  
This Missouri State Certification is subject to review and the director may deny, suspend or revoke the  
certification per RSMo chapter 643.230.

2/16/2017

Date

*Kyra L Moore*

Director of Air Pollution Control Program



**CERTIFICATION**

**NUMBER: 7000021017MOAP16667**

**THIS CERTIFIES**

**Zachary A Haselhorst**

**HAS COMPLETED THE CERTIFICATION  
REQUIREMENTS FOR**

**Air Sampling Professional**



**APPROVED: 2/10/2017**

**TRAINING DATE**

**EXPIRES: N/A**

*Kyra L Moore*  
Director of Air Pollution Control Program



**Missouri Department of Health and Senior Services**

P.O. Box 570, Jefferson City, MO 65102-0570 Phone: 573-751-6400 FAX: 573-751-6010  
RELAY MISSOURI for Hearing and Speech Impaired 1-800-735-2966 VOICE 1-866-735-2460

**Randall W. Williams, MD, FACOG**  
Director



**Eric R. Greitens**  
Governor

February 15, 2018

Zachary Haselhorst  
Riverfront Safety & Health, LC  
1139 Olive Street, Suite 300  
St. Louis, MO 63101



Dear Mr. Haselhorst:

After review of your renewal application for a license with the Missouri Department of Health and Senior Services' Lead Licensing Program, your application for a Lead Risk Assessor license has been approved.

If you intend to perform any regulated lead-bearing substance activity, you must be employed by a licensed Missouri lead abatement contractor. Enclosed is your Lead Risk Assessor license certificate and photo identification badge. Please have your identification badge with you at all times while conducting lead abatement activities.

Note the date your Lead Risk Assessor license expires. Renewal information will be mailed to you approximately three months before your license expiration date and will need to be completed and submitted 60 days prior to the expiration date.

A requirement of renewing your application will be attending a Lead Risk Assessor refresher class. A list of Missouri accredited lead abatement training providers will be included in your renewal packet. Additional information on training and lead abatement in general can be found at <http://health.mo.gov/safety/leadlicensing/index.php>.

Please contact the Lead Licensing Program at (573) 526-5873 or (888) 837-0927 if you have any questions concerning this letter or on lead abatement regulations in general.

Sincerely,

Angie DeBroeck  
Lead Licensing Program

AKD:tp

Enclosures

[www.health.mo.gov](http://www.health.mo.gov)

Healthy Missourians for life.

The Missouri Department of Health and Senior Services will be the leader in promoting, protecting and partnering for health.

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER: Services provided on a nondiscriminatory basis.





November 22, 2017

Zachary A Haselhorst  
4510 Cleveland Avenue, 1F1  
St. Louis, MO 63110

**RE: Missouri Asbestos Occupation Certification Card**

Enclosed is your certification card for Asbestos Inspector, as issued by the Asbestos Unit of the Missouri Department of Natural Resources' Air Pollution Control Program.

Missouri Certification Number: 7118111717MOIR16667  
Course Training Date: November 17, 2017  
Missouri Certification Approval Date: November 22, 2017  
Missouri Certification Expiration Date: November 22, 2018

**Note:**

- All Missouri-certified asbestos personnel must comply with the following statutes and regulations:
  - Sections 643.225 to 643.225, RSMo;
  - 10 CSR 10-6.241 *Asbestos Projects-Registration, Abatement, Notification, Inspection, Demolition, and Performance Requirements; and*
  - 10 CSR 10-6.250 *Asbestos Projects-Certification, Accreditation and Business Exemption Requirements.*
- To keep your occupation certification up-to-date, you must complete an annual refresher course and submit a renewal application each year.
- In order to be eligible to renew your certification, you must successfully complete a refresher course with a Missouri-accredited training provider within 12 months of the expiration date of your current training certificate. If you exceed this grace period, you will be required to retake a Missouri-accredited initial course in order to be eligible for Missouri certification.

To obtain a copy of the certification renewal application, or review regulations and requirements, please visit our website at <http://dnr.mo.gov/env/apcp/asbestos/index.htm>.

If you have any questions please call the Air Pollution Control Program at 573-751-4817.

**AIR POLLUTION CONTROL PROGRAM**

*Kyrá L. Moore*

Director of Air Pollution Control Program



## **Response Actions**

## **Training Documents**



## **Annual Notification Letters**

## **Initial Inspection**

**ASBESTOS ASSESSMENT AND ABATEMENT PLAN  
JOHN J. PERSHING VA MEDICAL CENTER  
POPLAR BLUFF, MO**

**November 1994**

**Mr. Gary Cates  
Safety Manager  
John J. Pershing VA Medical Center  
Poplar Bluff, MO 63901**

**FIRST  
SUBMISSION**



**Stevens & Associates, Inc.**  
*Safety, Environmental and Laboratory Services*



**Stevens & Associates, Inc.**

*Safety, Environmental and Laboratory Services*

**November 15, 1994**

**Mr. Gary Cates  
Safety Specialist  
V.A. Medical Center  
1500 N. Westwood Blvd.  
Poplar Bluff, MO 63901**

**DRAFT**

**RE: Asbestos Assessment and Abatement Plan  
V.A. Medical Center  
Poplar Bluff, Missouri**

**Dear Mr. Cates:**

**Enclosed please find the draft report of the asbestos survey and management plan of the V.A. Medical Center located at 1500 N. Westwood Boulevard, Poplar Bluff, Missouri.**

**The report consists of a description of the survey methodology, bulk sampling locations, analytical results of the samples collected, conclusions, recommendations and documents supporting this project.**

**If you have any questions, please do not hesitate to call us.**

**Sincerely,**

**Tim Moukaddam  
Environmental Geologist**

**Paul Hester  
Environmental Scientist**

**Enclosure**

**ASBESTOS ASSESSMENT AND ABATEMENT PLAN  
JOHN J. PERSHING VAMC  
POPLAR BLUFF, MO**

**Mr. Gary Cates  
Safety Manager  
Department of Veterans Affairs  
Medical Center  
Poplar Bluff, MO 63901**

**Stevens & Associates, Inc.  
8575 W. 110<sup>th</sup> Street, Suite 104  
Overland Park, Kansas 66210  
(913) 451-4705**

**November 15, 1994**

## **TABLE OF CONTENTS**

1.	Summary	1
2.	Introduction	2
3.	Survey Methodology	5
4.	Administrative program	8
5.	Management program	10
6.	Operations and maintenance program	14
7.	Conclusions	17
8.	Recommendations	18

## **LIST OF TABLES**

Table 1
Homogeneous Areas and Location

## **LIST OF FIGURES**

Figure 1
Building Locations and Descriptions

## **LIST OF APPENDICES**

**Appendix 1**

**Sample Locations and Descriptions**

**Appendix 2**

**Photographs**

**Appendix 3**

**Laboratory Results**

**Appendix 4**

**Record Keeping Checklist and Forms**

**Appendix 5**

**Work Practices for Small Scale/Short Duration Projects**

**Appendix 6**

**Protocol for Sample Collection**

**Appendix 7**

**Asbestos Removal Equipment List**

**Appendix 8**

**Asbestos Disposal**

**Appendix 9**

**Definitions**

**Appendix 10**

**Listing of Federal Asbestos Regulations and Guidance Documents**

**Appendix 11**

**Notification Requirements**

**Appendix 12**

**Certificates**

## **1. SUMMARY**

### **Purpose of Survey**

This asbestos survey was conducted to determine if asbestos is present in the V.A. Medical Center which is located at 1500 N. Westwood Blvd. in Poplar Bluff, Missouri. The purpose of the survey was to determine the presence of asbestos and the percent of asbestos, if any, in the building materials used at the hospital and other related buildings.

### **Conclusions**

The entire V.A. Hospital and other related buildings were surveyed and a total of four hundred and forty two (442) bulk samples of various building materials were collected from throughout the property. One hundred and sixty four (164) of the samples contained asbestos at levels ranging from two (2) percent to ninety (90) percent.

There are eleven (11) locations in the main hospital building (Building 1) and seven locations in the administration office building (Building 5) where asbestos-containing thermal insulation materials were observed to be damaged or friable.

The sample locations are as follows:

- T-01-GR-26 (1)
- T-01-GR-27 (1)
- T-01-2-28 (1)
- T-01-GR-07 (2)
- T-01-GR-08 (2)
- T-01-GR-11 (2)
- T-01-GR-17 (2)
- T-01-01-37 (2)
- T-01-BS-57 (2)
- T-01-BS-58 (2)
- T-01-BS-47 (3)
- T-01-BS-48 (3)
- T-01-BS-50 (3)
- T-01-03-91 (3)
- T-05-BS-01 (3)
- T-05-BS-02 (3)
- T-05-BS-03 (3)

An example of the coding system:

T-01-01-37

T=thermal

01=building number (01, 05)

01=floor number (GR=ground floor; BS=basement)

37=actual sample number

Key to Ratings:

(1)=Severe Damage

(2)=Moderate Damage

(3)=Minor Damage



## **2. INTRODUCTION**

A comprehensive asbestos survey was performed by Paul Hester, Vinod Desai and B.A. Ravi of Stevens & Associates, the contractor, and Eric Hamm of Burns & McDonnell, the subcontractor, during the week of August 15-19, 1994 at the VA Medical Center property located at 1500 N. Westwood Boulevard, Poplar Bluff, Missouri. The inspection was done in accordance with EPA's Asbestos Hazard Emergency Response Act (AHERA) and included the sampling and testing of some building materials and homogeneous areas.

According to the Environmental Protection Agency (EPA), the term "asbestos" describes six naturally occurring fibrous minerals found in certain types of rock formations. Of the general group, the minerals chrysotile, amosite, and crocidolite have been most commonly used in building products.

Asbestos is a known human carcinogen. Asbestos-containing materials (ACMs) which are in good condition are generally not a threat to human health. However, when these materials undergo chipping, scraping or sanding, and the resultant small particles become airborne, the risk of exposure for all persons within buildings containing ACMs is high. Under the Clean Air Act of 1970 the EPA has been regulating many asbestos-containing materials which, by EPA definition, are materials with more than one (1) percent asbestos.

According to EPA, the potential for asbestos-containing materials (ACMs) should be evaluated for all buildings constructed prior to 1987. The V.A. Medical Center in Poplar Bluff, MO consists of one (1) main hospital building and eleven (11) other related buildings. All of the buildings were constructed prior to 1987.

The main hospital building (Building No. 1) was built in 1948 and consists of six (6) floors with a total area of approximately 176,000 square feet. The director quarters building (Building No. 2) which is located southwest of building No. 1 was built in 1949 and covers an area of approximately 3,000 square feet. The staff quarters building (Building No. 3) which is located west of building No. 1 was built in 1950 and covers an area of approximately 3,400 square feet. The second staff quarters building (Building No. 4) which is located west of building No. 1 was built in 1950 and covers an area of approximately 3,400 square feet. The administrative office building (Building No. 5) which is located northwest of building No. 1 was built in 1948 and covers an area of approximately 5,400 square feet.

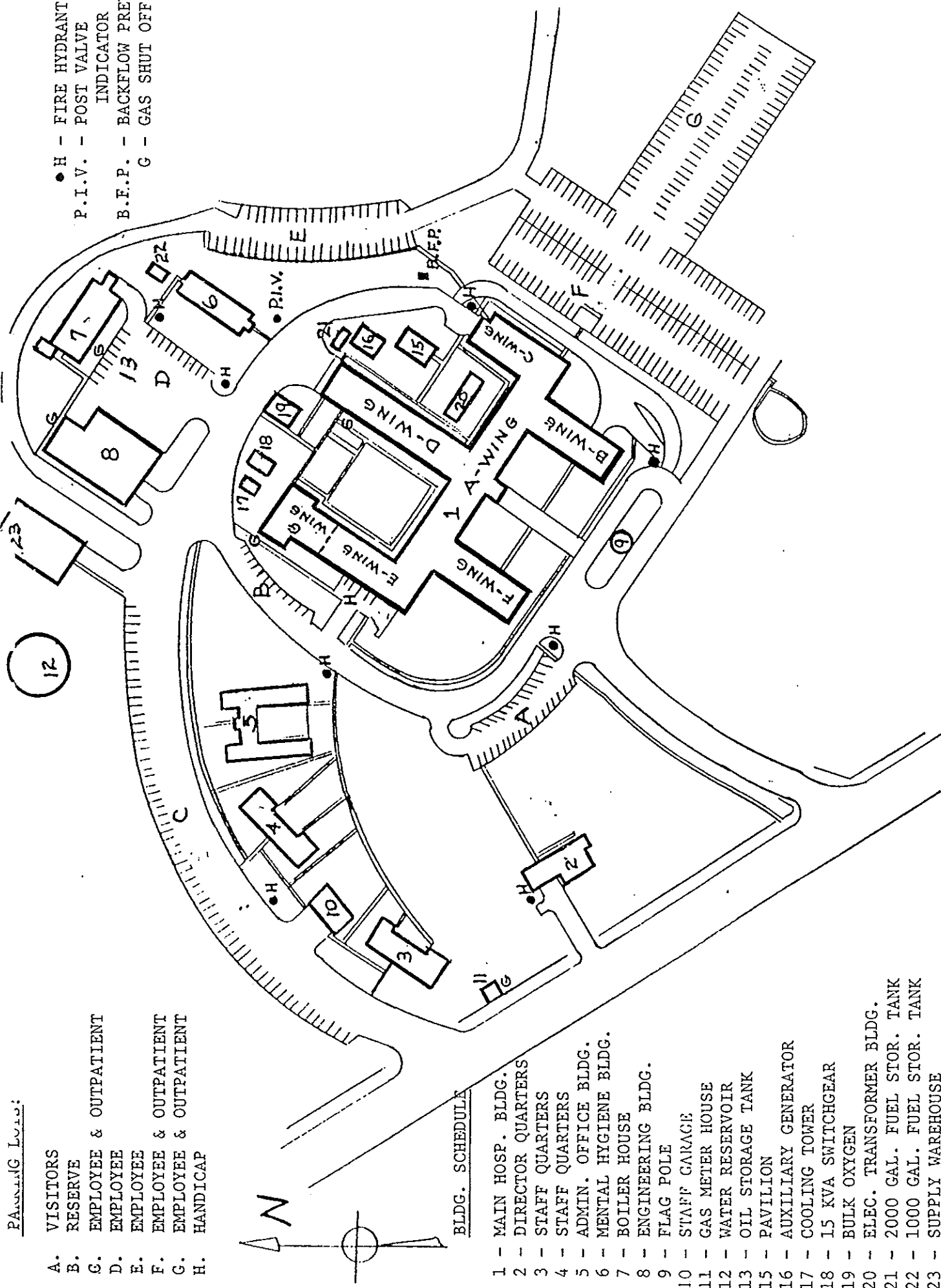
The mental hygiene building (Building No. 6) which is located northeast of building No. 1 was built in 1950 and covers an area of approximately 3,800 square feet. The boiler house building (Building No. 7) which is located northeast of building No. 1 was built in 1949 and covers an area of approximately 4,600 square feet. Building No. 7 had undergone major construction in 1983.

The engineering building (Building No. 8) which is located north of building No. 1 was built in 1950 and covers an area of approximately 7,000 square feet. The staff garage building (Building No. 10) which is located west of building No. 1 was built in 1950 and covers an area of approximately 800 square feet. The auxiliary generator building (Building No. 16) which is located northeast of building No. 1 and adjacent to it was built in 1973. Building No. 16 covers an area of approximately 300 square feet.

The electric transformer building (Building No. 20) which is located northeast of building No. 1 and adjacent to it was built in 1980 and covers an area of approximately 600 square feet. The supply warehouse building (Building No. 23) which is located north of building No. 1 was built in 1982 and covers an area of approximately 5,700 square feet.

See Figure 1 for building locations and descriptions.

● H - FIRE HYDRANT  
 P.I.V. - POST VALVE  
 INDICATOR  
 B.F.P. - BACKFLOW PREV.  
 G - GAS SHUT OFF VA



# PANNING LOTS:

## BLDG. SCHEDULE

- 1 - MAIN HOSP. BLDG.
- 2 - DIRECTOR QUARTERS
- 3 - STAFF QUARTERS
- 4 - STAFF QUARTERS
- 5 - ADMIN. OFFICE BLDG.
- 6 - MENTAL HYGIENE BLDG.
- 7 - BOILER HOUSE
- 8 - ENGINEERING BLDG.
- 9 - FLAG POLE
- 10 - STAFF GARAGE
- 11 - GAS METER HOUSE
- 12 - WATER RESERVOIR
- 13 - OIL STORAGE TANK
- 14 - PAVILION
- 15 - AUXILIARY GENERATOR
- 16 - COOLING TOWER
- 17 - 15 KVA SWITCHGEAR
- 18 - BULK OXYGEN
- 19 - ELEC. TRANSFORMER BLDG.
- 20 - 2000 GAL. FUEL STOR. TANK
- 21 - 1000 GAL. FUEL STOR. TANK
- 22 - SUPPLY WAREHOUSE
- 23 - VISITORS

### **3. SURVEY METHODOLOGY**

The methodology used in this survey consisted of the following elements:

- a. A review of building drawings and specifications to identify and locate suspect ACMs and to make up changes deemed necessary on the drawings.
- b. A thorough inspection of all building areas for the presence of suspect ACMs.
- c. Documentation of the location of friable and non-friable ACMs, providing a unique sample number to all bulk samples at each sampled location, and taking photographs of the location sampled.
- d. Assessment of the condition and damage or potential for disturbance of ACMs.
- e. Collection of bulk samples of all suspect materials using appropriate AHERA sampling protocols and submittal to a qualified analytical laboratory for asbestos content analysis by Polarized Light Microscopy (PLM) with Optical Dispersion Staining as specified by EPA.

A total of four hundred and forty two (442) bulk samples were collected during the week of August 15-19, 1994 from the main hospital building and other related buildings in order to identify suspect ACMs. Two (2) air samples were collected during each day of sampling. The samples were personal air samples collected from one (1) individual from each sampling team. A field blank was also submitted with the personal samples for laboratory analysis.

The inspection and bulk sample collection at the V.A. Hospital and other related buildings were performed in compliance with the Asbestos Hazard Emergency Response Act of 1988 methods of assessment (40 CFR Part 763D - AHERA).

The samples were collected utilizing appropriate health and safety protective measures, including collection of samples when the building is unoccupied, if possible.

The samples were obtained by adequately wetting the surface area to minimize any release of material into the air. ACMs were wetted, sampled, and the samples were placed in zip-lock bags with the completed V.A. Asbestos Bulk Assessment Record and the sample I.D. number attached to the bag. The sampling tools were cleaned between successive sampling events to avoid cross contamination of samples. The sample locations were noted and each sample was numbered.

The labeling of all bulk samples and their respective locations, drawings, and field log books were clearly marked. A designated coding system was incorporated in to accurately describe the type of material sampled, the sample locations, and the actual sample number collected for that particular location. The coding system for sample number designation begins with a letter which describes the actual type of material sampled. The letters used represent the following building materials:

T = Thermal system insulation  
S = Surface material  
M = Miscellaneous material  
F = Floor tile

A second set of numbers in the coding system represent the building number and a third set of numbers represent the floor number. A final set of numbers at the end of the code represent the actual sample number. Each of the four (4) code designations will be separated with a hyphen (-).

An example of the coding system appears as such:

T-01-BS-03

T = building material type (thermal, etc.)

01 = building number (01, 02, 03 etc.)

BS = floor number (BS, GR, RF, 1<sup>st</sup>, etc.)/BS=basement; GR=ground floor; RF=roof

03 = actual sample number (01, 02, 03, etc.)

The samples were then submitted under chain of custody procedures to Mr. Gary Cates who in turn sent the samples to a V.A. Medical Center Laboratory in St. Louis, MO.

All suspected ACMs were sampled. These areas included surface material (S), thermal system insulation (T), miscellaneous material (M), and floor tile (F). The AHERA protocol regarding the designation of homogeneous areas was followed. The homogeneous areas and their locations are shown in Table 1:

**TABLE 1**

**HOMOGENEOUS AREAS AND LOCATIONS**

<b>MATERIAL</b>	<b>LOCATION</b>
<b>Surfacing material</b>	<b>All rooms and hallways</b>
<b>Thermal system insulation</b>	<b>Basements</b>
<b>Miscellaneous material</b>	<b>Roofs</b>
<b>Floor tile</b>	<b>All rooms and hallways</b>

#### **4. ADMINISTRATIVE PROGRAM**

##### **Responsibility**

It will be the responsibility of the asbestos program manager at the V.A. Medical Center in Poplar Bluff, MO to develop and update the Asbestos Management Plan and be informed of all asbestos related projects. Each asbestos control action (inspection and management planning, laboratory analysis, design, abatement, consulting, and monitoring) shall be done whenever reasonably possible by independent firms certified to provide the required service. Any deviation must be approved by the asbestos program manager.

##### **Notification Policies**

Notice of the existence of an Asbestos Management Plan shall be provided when necessary and as required by law to employees, staff, contractors, and the general public. Asbestos awareness training shall be provided for personnel who have the potential to be exposed to friable asbestos. Notice for the presence of asbestos material shall be provided to all contractors and subcontractors who potentially may be exposed to an asbestos hazard in the course of performing services. Such workers will be required to sign a statement individually acknowledging the receipt of the notice prior to being allowed entrance.

##### **Building Inspection, Surveillance and Reinspection**

An asbestos inspection and assessment shall be conducted at the V.A. Medical Center buildings where construction, renovation, maintenance and/or demolition is planned prior to any action and in accordance with federal, state, and local regulations. Any building leased or acquired by the V.A. Medical Center shall be inspected prior to accepting a lease or contract; an inspection certificate identifying all ACMs present in the structure or indicating it as a non-asbestos containing structure should be provided prior to a lease or purchase.

All buildings in use by the V.A. Medical Center shall be inspected for asbestos using the following guidelines:

- Determine the existence of asbestos from the attached tables prior to any action on the part of the V.A. Medical Center to conduct an asbestos inspection

- Inspections must be performed by accredited asbestos inspectors, recognized by the U.S. Environmental Protection Agency (USEPA) under part 40 of the Code of Federal Regulations (CFR) Part 763, Subpart E.

Surveillance of all friable ACMs and thermal systems containing asbestos insulation will be conducted periodically to identify early damage. The results of this surveillance shall be transmitted to the Asbestos Program Manager and included in the asbestos inspection file.

A three (3) year reinspection will be conducted. The reinspection report will form a new starting basis for the Asbestos Management Plan and all records of the prior three (3) years of activities will be archived.

All ACMs that create a health exposure due to where they are being used shall be replaced with a nonasbestos substitute.



## **5. MANAGEMENT PROGRAM**

It is the goal of the V.A. Medical Center to comply with all applicable laws pertaining to asbestos and implement this Asbestos Management Plan in the Poplar Bluff, MO facility.

The Asbestos Management Plan addresses the V.A. Medical Center's compliance with current asbestos regulations in the following ways:

- Adopt policies which commit the V.A. Medical Center to compliance with applicable laws.
- Identify and commit fiscal resources of the V.A. Medical Center to pay for the precautions necessary to ensure compliance with all applicable laws.

### **Training Programs**

Training shall be conducted for all V.A. Medical Center employees who have the potential to be exposed to asbestos from the following conditions:

- Employees working where friable ACM is present.
- Employees working in areas where known ACM is about to become friable.
- Employees working with thermal system insulation containing asbestos.
- Employees working with asbestos-containing products.
- Employees involved in small scale/short duration removal.

These employees will be required to attend an 8-hour worker training course which meets the requirements established by 1910.1001 and 1926.58. Each trained employee will be required to attend an annual refresher course. All training must meet the requirements of the Occupational Safety and Health Administration (OSHA), 29 CFR, 1910.1001, 1910.1200, and 1926.58.

Personnel working in a removal operation defined as small scale/short duration (glove bag) will be required to complete an 8-hour asbestos worker training class. See Appendix E. Maintenance personnel will not be trained or allowed to work with gross asbestos removal techniques. All training programs must meet the approval of the asbestos manager.

The personnel training course will cover the following topics:

- Basic concepts and physical characteristics of asbestos
- The nature and extent of health hazards and a recognition of suspected asbestos
- A description of proper personal protective equipment, respirators, and clothing
- An explanation of the respirator program and why respirators are necessary
- A description of work practices and hands-on use of equipment
- A discussion on personal hygiene and other safety hazards encountered during glove bag operations
- Medical monitoring
- Air monitoring
- Federal, state, and local regulatory requirements

At each facility where employees have received the 8-hour training for small scale/short duration removal, a program supervisor will be chosen and required to attend the 8-hour personnel training class and show competence in each of the following topics:

- All topics included in personnel training course
- Respiratory protection and medical surveillance programs
- Insurance and liability
- Record keeping for asbestos projects
- Supervisory techniques for asbestos abatement activities

Contractor personnel, except abatement workers, will be notified of ACMs, as required by OSHA, and show proof of awareness training to minimize the risk of personal and site contamination. The asbestos program manager will update the Asbestos Management Plan following any training provided to selected employees.

All training program materials, documents, and class rosters will be retained by the asbestos program manager.

#### Air and Medical Monitoring

Air monitoring will be performed for area contamination and personnel exposure. Personnel medical monitoring will be performed by physical examinations. Employees trained in small scale/short duration glove bag removal are required to wear a respirator. These employees will annually receive physical examinations that includes pulmonary function tests and base line x-rays every 5 years as required by OSHA 29 CFR 1910.134 and 1910.1001.

The V.A. Medical Center will comply with applicable regulations to provide personal and area air monitoring data support. It will maintain fiber levels below levels for asbestos work areas specified by OSHA 29 CFR 1910.1001. It will be the objective of the VA Medical Center to prevent or eliminate any asbestos exposure that may present a health hazard as required by law. Exposure is defined by OSHA as 0.1 fibers per cubic centimeter (f/cc) action level, 0.2 f/cc permissible exposure level (PEL).

#### Worker Protection

The V.A. Medical Center will provide protection to all personnel exposed to asbestos in the course of daily activities, as required by USEPA and OSHA regulations. It will establish and maintain a respiratory protection program that complies with all OSHA requirements established by 29 CFR 1910.134. The asbestos program manager will be responsible for job site inspection and implementation compliance with the asbestos program and applicable laws.

Employees will use all personal protective equipment required by the Asbestos Management Plan and applicable laws. Employees are responsible for the care and use of their equipment, as described below.

- Employees required to wear a respirator will do so in a manner that provides maximum protection.
- Employees must use all protective equipment in accordance with the intended purpose and guidelines received during training.
- Employees are required to guard against damage to all personal protective equipment issued to them and report any malfunction to their supervisor immediately.

- Employees will be held responsible for damage to their personal protective equipment due to misuse

### Respirator Protection

All respirators made available by the V.A. Medical Center are approved for protection against airborne asbestos fibers. Respirator approvals are granted by the National Institute for Occupational Safety and Health (NIOSH). The selection of respirators depends on the concentration of airborne asbestos fibers. The levels of respiratory protection will follow the guidelines established in 29 CFR 1026.58 and 29 CFR 1910.134, issued pursuant to the Occupational Safety and Health Act. The following guidelines should be used when selecting a respirator:

- When air purifying respirators (APR) are used, only High Efficiency Particulate Air (HEPA) filters are allowed.
- Respirators will be supplied by the V.A. Medical Center through the maintenance department.
- Half-face piece APRs must be supplied with HEPA cartridges.
- All APRs will be fit tested to the individual employee to determine the adequacy of the respiratory fit and protection afforded.
- Powered APRs, supplied with HEPA filters, will be made available when necessary
- Respiratory protection shall be worn while performing the following activities.
  - (a) Set-up of asbestos work areas
  - (b) Removal activities
  - (c) Cleanup, decontamination, and disposal activities

## **6. OPERATIONS AND MAINTENANCE PROGRAM**

It is the goal of the V.A. Medical Center to design and implement an operations and maintenance (O&M) program in the Poplar Bluff, Missouri facility where friable ACM, potentially friable ACM, or thermal system insulation containing asbestos has been identified.

### **6.1 Definitions**

See Appendix 9 for definitions.

### **6.2 Address**

V.A. Medical Center  
1500 North Westwood Boulevard  
Poplar Bluff, Missouri 63901

### **6.3 Cleaning**

Where it has been determined that friable asbestos containing material is present and causes contamination to working surfaces by its deteriorated condition, it is recommended that these working surfaces be cleaned annually, or more frequently if needed, and prior to any repair or removal action until the material is removed from the building. The procedure for cleaning asbestos contaminated areas will include the procedures detailed in the following sections.

#### **6.3.1 High Efficiency Particulate Air (HEPA) Vacuum**

HEPA vacuum or wet clean all floors, carpets, and other horizontal surfaces. Dispose of all debris, filters, mop heads, and clothes in sealed, leak-tight containers (e.g., disposal bags). Dispose of all ACMs in accordance with applicable laws.

#### **6.4 Maintenance Activities (Small Scale/Small Duration)**

Maintenance activities are described as projects where less than 3 square feet or 3 linear feet of ACM is to be disturbed during maintenance. These are considered to be small scale/short duration operations, as defined by 29 CFR 1926.58 Appendix B to Subpart E, or by local regulations. The V.A. Medical Center employees will engage only in projects defined as small scale/short duration, in accordance with all laws and applicable regulations. The V.A. Medical Center personnel should follow the suggested removal practices listed below.

- ACM will be removed using wet removal techniques in conjunction with glove bag operations; dry removal is not allowed.
- No dust emissions should be visible during the removal, transportation, and disposal of ACM.
- Disposal of all ACMs will be in accordance with all applicable laws and the V.A. Medical Center Asbestos Management Plan.
- All materials and equipment required for small scale/short duration activities (respirators, glove bags, tyvek suits, disposal bags, etc.) are available from the V.A. Medical Center maintenance department.
- All facilities using glove bag operations must inform the asbestos program manager and submit copies of locally required permits obtained prior to start of a project.
- The local facility must obtain an asbestos removal permit from the Missouri Department of Natural Resources (MDNR). Permits are required by the Environmental Protection Agency (EPA) and handled by the MDNR asbestos department. These should be obtained for annual maintenance activities.

#### **6.5 Maintenance Activities: Large Scale / Long Duration**

Response actions for any maintenance activities that disturb friable or potentially friable ACM, other than small scale/short duration maintenance activities, will be designed and performed by accredited persons. Accreditation programs must be approved by the asbestos program manager and comply with all current applicable federal, state, and local regulations. The V.A. Medical Center will utilize outside contractors for all maintenance activities other than small scale/short duration.

All projects must be reported to the asbestos program manager and comply with the following requirements for major (gross removal) abatement activities:

- The V.A. Medical Center will use project designers accredited and experienced in the design of asbestos abatement projects.
- Accredited contractor employees and contractors must be able to demonstrate successful abatement work.

- Asbestos response actions shall commence only after all required permits and contract documents are obtained and authorized by the asbestos program manager.
- Disposal of all ACMs will be in accordance with the V.A. Medical Center policies and procedures for waste disposal and all applicable federal, state, and local laws and regulations.
- The asbestos program manager or designee will have the authority to:
  - (a) Close the building where a removal project is in progress by the V.A. Medical Center employees or contractor and a fiber release episode may result in the endangerment of health or the environment, according to the definitions of exposure and contamination established by OSHA and USEPA.
  - (b) Negotiate a contract with any designer or contractor meeting the V.A. Medical Center qualifications.

#### **6.6 Minor Fiber Release Episodes**

Local management will be responsible to ensure that minor fiber releases (damage of thermal or electric insulation) are addressed by personnel trained to conduct small scale/short duration removal established by the guidelines in Appendix B of Subpart E, 40 CFR 763 and in keeping with all other applicable laws.

#### **6.7 Major Fiber Release Episodes**

Local management will be responsible to ensure that in the event of a major fiber release episode (falling or dislodging of 3 square feet or 3 linear feet or more of ACM), the procedures below are followed:

- Isolate and restrict entry into the area by persons other than those necessary to perform the response action.
- Shut off or modify the air handling system to prevent the distribution of fibers to other areas of the building.
- Notify local management and the asbestos program manager or designee.
- The response action for any major fiber release episode must be designed and conducted by accredited persons in accordance with all applicable laws.

## **7. CONCLUSIONS**

The entire V.A. Hospital and other related buildings were surveyed and a total of four hundred and forty two (442) bulk samples of various building materials were collected from throughout the property. One hundred and sixty four (164) of the samples contained asbestos at levels ranging from two (2) percent to ninety (90) percent.

There are two (2) locations on the ground floor and one (1) location on the second floor of the main hospital building (Building 1) where asbestos-containing thermal insulation materials were observed to be severely damaged or friable (Rating 1). These samples are T-1-GR-26, T-1-GR-27, and T-1-2-28.

There are eight (8) locations in Building 1 where thermal ACMs were observed to be moderately damaged (Rating 2). Five (5) of these locations are on the ground floor of Building 1, one (1) location is on the first floor of Building 1, and two (2) locations are in the basement of Building 1. These samples are T-1-GR-7, T-1-GR-8, T-1-GR-11, T-1-GR-14, T-1-GR-17, T-1-1-37, T-1-BS-57, and T-1-BS-58.

There are seven (7) locations in Buildings 1 and 5 where thermal ACMs were observed to have minor damage (Rating 3). Three (3) of these locations are in the basement of Building 1, one (1) location is on the third floor of Building 1, and three (3) locations are in the basement of Building 5. These samples are T-1-BS-47, T-1-BS-48, T-1-BS-50, T-1-3-91, T-5-BS-1, T-5-BS-2, and T-5-BS-3.

The remaining one hundred and forty six (146) asbestos-containing sample locations were observed to be intact and not damaged (Rating 4). One hundred and six (106) sample locations are asbestos-containing thermal insulation materials which are located in Buildings 1, 2, 3, 4, 5, 6, and 8. Thirty three (33) sample locations are asbestos-containing floor tiles which are located in Buildings 1, 2, 3, 4, and 6. Six (6) sample locations are asbestos-containing surfacing materials which are located in Building 1. One (1) sample location is asbestos-containing caulking (miscellaneous) material which is located in Building 3.

See Appendix 1 and enclosed drawings for sample locations and descriptions.



## **8. RECOMMENDATIONS**

### **Exposure Risks**

Direct contact and damage of asbestos containing materials may occur in a number of ways. Activities such as a ball or hand hitting surfacing material on a ceiling or wall, the intentional or accidental disturbance of the material in the course of routine maintenance, vandalism (the friable materials are extremely susceptible to scraping, gouging and cutting), water damage resulting from roof and plumbing leaks, and vibration caused by sources either within or outside the building may cause movement, deterioration or delamination of friable materials, resulting in fiber release.

The hard surfaced materials such as floor tiles, although they may contain asbestos, have little likelihood of releasing fibers into the air in the course of normal use because the asbestos fibers are firmly encapsulated in the tile media during the manufacturing process. However, care must be taken during the course of any and all maintenance, remodeling or demolition that the floor tiles are not sanded, ground, drilled or cut.

Further, the identified floor tiles, thermal and surfacing materials, and miscellaneous materials which were observed to be intact and not damaged (Rating 4) should be monitored and included in an on-going Operations and Maintenance (O&M) Program (See Section 6) that contains the following components:

- A. Identified floor tiles, thermal and surfacing materials, and miscellaneous materials should be maintained in an undamaged and intact state. Routine periodic inspections (at least annually) should be conducted and the results recorded.
- B. All maintenance and service personnel, including outside contract labor, should be trained relative to the location of ACM within the property and should be instructed that the floor tiles, the surfacing materials, and the miscellaneous materials which contain asbestos should not be sanded, drilled or cut in the course of their work.
- C. Further, if and when the floor tiles are removed, safe methods must be used for both the removal and disposal of the products.

- D. The method of disposal is identical, regardless of the method of removal. All removed material should be placed in heavy duty (6 mil) plastic bags. Exposed floor areas should be vacuumed with a HEPA vacuum cleaner and/or wet mopped. Do not sweep dry. All trash containers should be tightly closed, sealed and labeled "Caution--- contains asbestos --- dispose in an approved landfill only."
- E. Damaged asbestos-containing materials (ACMs) should be either patched, covered or removed and replaced with non-ACMs and maintained in an undamaged state.
- The identified thermal insulation materials which were observed to have minor damage (Rating 3) should be patched and included in the O&M program (See Appendix 5: Work practices for small scale/short duration projects). The thermal insulation under this rating is on one-half (1/2) inch pipe over a length of fifty (50) feet (T-5-BS-3); on two (2) inch pipe over a length of one hundred and thirty (130) feet (T-1-BS-47, T-1-BS-48, T-1-3-91 and T-5-BS-2); and on three (3) inch pipe over a length of eight (8) feet (T-5-BS-1). These locations are in the C3 category of occupancy. There is also a one (1) inch pipe over a length of three (3) feet (T-1-BS-50) which is in the C1 category of occupancy.
  - The identified thermal insulation materials which were observed to be moderately damaged (Rating 2) should be covered and included in the O&M program (See Appendix 5: Work practices for small scale/short duration projects). The thermal insulation under this rating is on three quarter (3/4) inch pipe over a length of one hundred and eighty six (186) feet (T-1-GR-7, T-1-GR-17, T-1-1-37, T-1-BS-57 and T-1-BS-58). Eighty six (86) feet of this material is in the C3 category of occupancy of skilled maintenance workers, whose activities may disturb and displace ACM, and the remaining one hundred (100) feet of the material is in the C1 category of occupancy. There is also thermal insulation on thirty four (34) feet of one (1) inch pipe (T-1-GR-8 and T-1-GR-14); thirty (30) feet of which is in the C3 category of occupancy; four (4) feet in the C1 category; and six (6) feet of two (2) inch pipe (T-1-GR-11) in the C2 category of occupancy.

- The identified thermal insulation materials which were observed to be severely damaged (Rating 1) should be removed and replaced with non-ACMs. The thermal insulation under this rating is on one-half (1/2) inch pipe over a length of forty (40) feet (T-1-GR-26) and on a four (4) inch pipe over a length of fifteen (15) feet (T-1-GR-27). They are both in the C2 category of occupancy of housekeepers who may cause increased levels of airborne asbestos fibers as a result of housekeeping activities. There is also thermal insulation on a two (2) inch pipe over a length of seventy (70) feet (T-1-2-28) in the C1 category of occupancy of general occupants, who are unlikely to disturb asbestos in place (office workers, patients, healthcare providers). The cost estimate to remove and dispose of asbestos containing thermal insulation material per EPA guidelines is approximately \$20 per linear foot. The cost for air monitoring and testing is approximately \$80 per sample.

- F. ACMs that are not removed from the property but rather left in place should be included in an Operations and Maintenance (O & M) Program which contains the following components:
- i. Identified ACMs should be maintained in an undamaged state. Routine periodic inspections of all ACMs and air monitoring should be conducted and the results recorded.
  - ii. All maintenance and service personnel should be trained regarding the location of ACMs within the property and be instructed on the proper method of handling, treating and repairing any such materials that may be damaged in the course of their work.
  - iii. All outside contract labor should be informed of the location of ACMs within the property and all work affecting the ACMs should be performed in compliance with applicable federal, state and local regulations.

**Category of Occupancy (type of people occupying space):**

- C1** General occupants, who are unlikely to disturb asbestos in place (office workers, patients, healthcare providers)
- C2** Housekeepers who may cause increased levels of airborne asbestos fibers as a result of house-keeping activities.
- C3** Skilled maintenance workers, whose activities may disturb and displace ACM.
- C4** Workers who are responsible for removal of ACM.

**Key to Ratings:**

- 1.** Severe Damage (Remove).
- 2.** Moderate Damage (Cover).
- 3.** Minor Damage (Patch).
- 4.** Intact (Monitor).

**APPENDIX 1**

**SAMPLE LOCATIONS AND DESCRIPTIONS**

**V.A. MEDICAL CENTER  
ASBESTOS SURVEY AND ANALYSIS**

**BLDG. NO.: TWO (2) LOCATION: BASEMENT  
DATE: August 15, 1994**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
T-02-BS-01	2" Boiler valve Insulation	Thermal	40% Chrysotile	4
T-02-BS-02	2" pipe elbow wrap	Thermal	80% Chrysotile	4
T-02-BS-03	2" steam pipe elbow	Thermal	5% Chrysotile 80% Amosite	4
T-02-BS-04	1/2" water pipe	Thermal	ND	-
T-02-BS-05	1/2" water pipe	Thermal	5% Chrysotile 80% Amosite	4
T-02-BS-06	2" water pipe elbow	Thermal	20% Chrysotile 60% Amosite	4
T-02-BS-07	1/2" water pipe	Thermal	40% Chrysotile	4
T-02-BS-08	1/2" water pipe elbow	Thermal	60% Chrysotile	4
T-02-BS-09	1/2" steam pipe	Thermal	40% Chrysotile	4
T-02-BS-10	1/2" steam pipe elbow	Thermal	60% Chrysotile	4

**See Enclosed Drawings for Sample Locations**

**KEY TO ABBREVIATIONS AND RATINGS**

T - Thermal Insulation material F - Floor Tile S - Surfacing material M - Miscellaneous material (T) - Tile (M) - Mastle	1 - Severe damage (remove) 2 - Moderate damage (cover) 3 - Minor damage (patch) 4 - Intact (monitor)  ND - None Detected
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**BLDG. NO.: TWO (2) LOCATION: FIRST/SECOND FLOOR**  
**DATE: August 15, 1994**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
F-2-1-001	Kitchen floor tile	Linoleum	ND	-
F-2-1-002	Closet floor tile	Linoleum	20% Chrysotile	4
S-2-1-003	Closet ceiling	Plaster	ND	-
S-2-1-004	Kitchen ceiling	plaster	ND	-
S-2-2-005	Hallway ceiling	Tile	ND	-
S-2-2-006	Bedroom ceiling	Tile	ND	-
S-2-2-007	Bedroom ceiling	Tile	ND	-
S-2-2-008	Closet wall	Plaster	ND	-
S-2-2-009	Bedroom wall	Plaster	ND	-
S-2-2-010	Closet wall	Plaster	ND	-
S-2-2-011	Hallway closet ceiling	Plaster	ND	-
S-2-1-012	Hallway closet wall	Plaster	ND	-
S-2-1-013	Bedroom closet wall	Plaster	ND	-
S-2-1-014	Living room ceiling	plaster	ND	-
S-2-1-015	Hallway wall	Plaster	ND	-

**KEY TO ABBREVIATIONS AND RATINGS**

<b>T - Thermal Insulation material</b> <b>F - Floor Tile</b> <b>S - Surfacing material</b> <b>M - Miscellaneous material</b> <b>(T) - Tile</b> <b>(M) - Mastic</b>	<b>1 - Severe damage (remove)</b> <b>2 - Moderate damage (cover)</b> <b>3 - Minor damage (patch)</b> <b>4 - Intact (monitor)</b>  <b>ND - None Detected</b>
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**BLDG. NO.: THREE (3) LOCATION: BASEMENT**  
**DATE: August 15, 1994**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
T-03A-BS-01	2" steam pipe	Thermal	60% Chrysotile	4
T-03A-BS-02	2" steam pipe joint	Thermal	80% Chrysotile	4
T-03A-BS-03	1" steam pipe elbow	Thermal	80% Chrysotile	4
T-03A-BS-04	1" steam pipe	Thermal	60% Chrysotile	4
T-03A-BS-05	3/4" water pipe	Thermal	60% Chrysotile	4
T-03A-BS-06	2" steam pipe elbow	Thermal	80% Chrysotile	4
T-03B-BS-07	Heater valve control	Thermal	40% Chrysotile	4
T-03B-BS-08	2" steam pipe	Thermal	60% Chrysotile	4
T-03B-BS-09	3/4" water pipe	Thermal	60% Chrysotile	4
T-03B-BS-10	2" steam pipe elbow	Thermal	80% Chrysotile	4
T-03B-BS-11	1/2" heater line	Thermal	5% Chrysotile 40% Amosite	4
T-03B-BS-12	3/4" water line pipe hanger	Thermal	80% Chrysotile	4

**KEY TO ABBREVIATIONS AND RATINGS**

T - Thermal insulation material F - Floor Tile S - Surfacing material M - Miscellaneous material (T) - Tile (M) - Mastic	1 - Severe damage (remove) 2 - Moderate damage (cover) 3 - Minor damage (patch) 4 - Intact (monitor) ND - None Detected
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**BLDG NO.: THREE (3) LOCATION: FIRST FLOOR**  
**DATE: August 15, 1994**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
F-3-1-016	Kitchen floor tile	Linoleum	ND	-
F-3-1-017	Hallway floor tile	Linoleum	ND	-
F-3-1-018	Bedroom floor tile	Linoleum	ND	-
F-3-1-019	Kitchen floor tile	Linoleum	ND	-
F-3-1-020	Hallway floor tile	Linoleum	10% (M) Chrysotile	4
S-3-1-021	Bedroom ceiling tile	Tile	ND	-
S-3-1-022	Bedroom ceiling tile	Tile	ND	-
S-3-1-023	Hallway closet ceiling	Plaster	ND	-
S-3-1-024	Living room ceiling	Plaster	ND	-
S-03B-1-25	Closet ceiling	Plaster	ND	-
S-03B-1-26	Bedroom closet wall	Plaster	ND	-
S-03B-1-27	Bedroom closet wall	Plaster	ND	-
S-3-1-028	Hallway closet wall	Plaster	ND	-
S-3-1-029	Closet wall	Plaster	ND	-
M-3-1-030	Bedroom baseboard (Skirting)	Baseboard	ND	-
M-3-1-031	Exterior caulking material	Caulk	20% Chrysotile	4

**KEY TO ABBREVIATIONS AND RATINGS**

T - Thermal Insulation material F - Floor Tile S - Surfacing material M - Miscellaneous material (T) - Tile (M) - Mastlc	1 - Severe damage (remove) 2 - Moderate damage (cover) 3 - Minor damage (patch) 4 - Intact (monitor)  ND - None Detected
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**BLDG. NO.: FOUR (4) LOCATION: BASEMENT**  
**DATE: August 16, 1994**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
T-4-BS-01	2" steam pipe (crawl space)	Thermal	80% Chrysotile	4
T-4-BS-02	1/2" water pipe (crawl space)	Thermal	20% Chrysotile	4
T-4-BS-03	2" steam pipe joint (crawl space)	Thermal	80% Chrysotile	4
T-4-BS-04	1/2" water line (crawl space)	Thermal	2% Chrysotile	4
T-4-BS-05	1" steam pipe elbow (crawl space)	Thermal	80% Chrysotile	4
T-4-BS-06	2" steam line patch material	Thermal	40% Chrysotile 20% Amosite	4
T-4-BS-07	2" steam pipe joint	Thermal	80% Chrysotile	4
T-4-BS-08	2" steam pipe joint	Thermal	80% Chrysotile	4
T-4-BS-09	1/2" water line	Thermal	10% Chrysotile	4
T-4-BS-10	1/2" water line elbow	Thermal	80% Chrysotile	4
T-4-BS-11	2" steam pipe joint	Thermal	80% Chrysotile	4
T-4-BS-12	2" steam pipe	Thermal	5% Chrysotile	4

**KEY TO ABBREVIATIONS AND RATINGS**

T - Thermal insulation material F - Floor Tile S - Surfacing material M - Miscellaneous material (T) - Tile (M) - Mastic	1 - Severe damage (remove) 2 - Moderate damage (cover) 3 - Minor damage (patch) 4 - Intact (monitor)  ND - None Detected
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**BLDG. NO.: FOUR (4) LOCATION: FIRST FLOOR**  
**DATE: August 16, 1994**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
S-4-BS-1	Closet wall (basement)	Plaster	ND	-
F-4-1-2	Floor tile from Personnel Mngt. Office	Linoeum	2% Chrysotile	4
F-4-1-3	Kitchen floor tile	Linoeum	15% Chrysotile	4
F-4-1-4	Kitchen floor tile	Linoeum	15% (T) 5%(M) Chrysotile	4
S-4-1-5	Hallway closet ceiling	Plaster	ND	-
S-4-1-6	1004 closet wall	Plaster	ND	-
S-4-1-7	Hallway closet ceiling	Plaster	ND	-
S-4-1-8	1005 bathroom	Plaster	ND	-
F-4-1-9	Kitchen floor tile	Linoeum	ND	-
F-4-1-10	Basement entry way tile	Linoeum	2% Chrysotile	4
S-4-1-11	Hallway closet wall	Plaster	ND	-
S-4-1-12	Entry way wall	Plaster	ND	-
S-4-1-13	Bedroom wall	Plaster	ND	-
S-4-1-14	Bedroom ceiling tile	Tile	ND	-
S-4-1-15	Hallway closet ceiling	Plaster	ND	-

**KEY TO ABBREVIATIONS AND RATINGS**

T - Thermal insulation material F - Floor Tile S - Surfacing material M - Miscellaneous material (T) - Tile (M) - Mastic	1 - Severe damage (remove) 2 - Moderate damage (cover) 3 - Minor damage (patch) 4 - Intact (monitor)  ND - None Detected
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**BLDG. NO.: FIVE (5) LOCATION: BASEMENT**  
**DATE: August 16, 1994**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
T-5-BS-1	Control valve of boiler (boiler room) 3" Pipe	Thermal	60% Chrysotile	3
T-5-BS-2	2" steam line (boiler room)	Thermal	60% Chrysotile	3
T-5-BS-3	1/2" water pipe (boiler room)	Thermal	5% Chrysotile	3
T-5-BS-4	1/2" steam pipe (crawl space)	Thermal	20% Chrysotile	4
T-5-BS-5	1/2" Steam pipe (crawl space)	Thermal	60% Chrysotile	4
T-5-BS-6	3/4" steam pipe elbow (crawl space)	Thermal	60% Chrysotile	4
T-5-BS-7	3/4" steam pipe (shelf area supplies room)	Thermal	ND	-
T-5-BS-8	2" steam pipe (crawl space)	Thermal	90% Chrysotile	4
T-5-BS-9	1/2" steam pipe elbow (crawl space)	Thermal	60% Chrysotile	4
T-5-BS-10	1/2" water pipe (crawl space)	Thermal	10% Chrysotile	4
T-5-BS-11	2" steam pipe (crawl space)	Thermal	60% Chrysotile	4

**BLDG. NO.: FIVE (5) LOCATION: FIRST FLOOR**  
**DATE: August 16, 1994**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
S-5-1-1	#1018 Breakroom ceiling	Tile	ND	-
S-5-1-2	#1019 Janitor supply room ceiling	Plaster	ND	-
S-5-1-3	#1019 Janitor supply room wall	Plaster	ND	-
S-5-1-4	Hallway ceiling	Plaster	ND	-
S-5-1-5	#1019 printer room ceiling	Tile	ND	-
S-5-1-6	#1019 printer room wall	Plaster	ND	-
S-5-1-7	#1002 ceiling tile	Tile	ND	-
S-5-1-8	Ceiling tile	Tile	ND	-
S-5-1-9	#1010 ceiling tile	Tile	ND	-
S-5-1-10	#1007 ceiling tile	Tile	ND	-
S-5-1-11	Bathroom wall	Plaster	ND	-
S-5-1-12	Hallway ceiling	Plaster	ND	-

**BLDG. NO.: SIX (6) LOCATION: FIRST FLOOR**  
**DATE: August 17, 1994**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
F-6-1-1	Floor tile between #1012 & crawl space	Linoleum	10% Chrysotile	4
F-6-1-2	Floor tile near electrical closet	Linoleum	ND	-
F-6-1-3	Floor tile near between #1002 & #1003	Linoleum	ND	-
S-6-1-4	Electrical closet wall	Plaster	ND	-
S-6-1-5	#1013 Men's bathroom ceiling	Tile	ND	-
S-6-1-6	Hallway ceiling across #1013	Plaster	ND	-
S-6-1-7	#1007 ceiling	Plaster	ND	-
S-6-1-8	#1007 wall	Plaster	ND	-

**BLDG. NO.: SIX (6) LOCATION: BASEMENT**  
**DATE: August 17, 1994**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
T-6-BS-01	3/4" steam pipe (crawl space)	Thermal	5% Chrysotile 60% Amosite	4
T-6-BS-02	1" steam pipe elbow (crawl space)	Thermal	20% Chrysotile	4
T-6-BS-03	3/4" water pipe (crawl space)	Thermal	60% Chrysotile	4
T-6-BS-04	1/2" water pipe hanger (crawl space)	Thermal	60% Chrysotile	4
T-6-BS-05	1/2" water pipe elbow	Thermal	ND	-
T-6-BS-06	Steam valve at the radiator (exercise room)	Thermal	80% Chrysotile	4
T-6-BS-07	2" steam pipe at the regulator (exercise room)	Thermal	60% Chrysotile	4

**KEY TO ABBREVIATIONS AND RATINGS**

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**BLDG. NO.: EIGHT (8) LOCATION: ENGINEERING OFFICE**  
**DATE: August 17, 1994**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
T-8-1-01	4" steam pipe (garage)	Thermal	80% Chrysotile	4
T-8-1-02	3" steam pipe elbow (garage)	Thermal	40% Chrysotile	4
T-8-1-03	Valve connected to the room heater (garage)	Thermal	80% Chrysotile	4
T-8-1-04	3" steam pipe (garage)	Thermal	80% Chrysotile	4
T-8-1-05	3/4" steam pipe elbow (garage)	Thermal	80% Chrysotile	4
T-8-1-06	3/4" steam pipe (garage)	Thermal	5% Chrysotile	4
T-8-1-07	1/2" water line (garage)	Thermal	ND	-
T-8-1-08	1/2" water line (garage)	Thermal	25% Chrysotile	4

**BLDG. NO.: EIGHT (8) LOCATION: ENGINEERING OFFICE**  
**DATE: August 17, 1994**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
F-8-1-1	Hallway floor tile	Linoleum	ND	-
F-8-1-2	Workshop area floor tile	Linoleum	ND	-
F-8-1-3	Workshop area floor tile	Linoleum	ND	-
S-8-1-4	Workshop area wall sample	Plaster	ND	-
S-8-1-5	#1004 wall sample	Plaster	ND	-
S-8-1-6	#1002 wall sample	Plaster	ND	-

**BLDG. NO.: TWENTY(20) LOCATION: TRANSFORMER ROOM**  
**DATE: August 17, 1994**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
S-20-1-1	Ceiling tile	Tile	ND	-
S-20-1-2	Ceiling tile	Tile	ND	-
S-20-1-3	Ceiling tile	Tile	ND	-

**BLDG. NO.: ONE (1) TYPE: THERMAL**  
**DATE: August 15, 1994**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
T-1-2-1	1" steam pipe (canteen)	Thermal	60% Chrysotile	4
T-1-2-2	1" steam pipe elbow (canteen)	Thermal	ND	-
T-1-2-3	3/4" water pipe (canteen)	Thermal	20% Chrysotile 40% Amosite	4
T-1-2-4	3/4" water pipe (canteen)	Thermal	5% Chrysotile	4
T-1-GR-5	1 1/2" steam pipe (supply & processing room)	Thermal	ND	-
T-1-GR-6	1 1/4" water pipe elbow (supply & processing room)	Thermal	40% Chrysotile	4
T-1-GR-7	3/4" steam pipe in #11A	Thermal	40% Chrysotile	2
T-1-GR-8	1" steam pipe in #7A	Thermal	60% Chrysotile	2
T-1-GR-9	1" steam pipe in #7A	Thermal	ND	-
T-1-GR-10	1" steam pipe at the end of hallway	Thermal	60% Chrysotile	4
T-1-GR-11	2" Water pipe in #2 (VFW service officer)	Thermal	60% Chrysotile	2
T-1-GR-12	3/4" Steam pipe in the staff lounge	Thermal	ND	-
T-1-GR-13	1" pipe connecting the air conditioning unit in the computer room	Thermal	60% Chrysotile	4
T-1-GR-14	1" pipe in the women's locker room	Thermal	40% Chrysotile	2
T-1-GR-15	2" pipe in the women's locker room	Thermal	20% Chrysotile	4

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**BLDG. NO.: ONE (1) (Cont'd)**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
T-1-GR-16	1/2" water pipe in #24B	Thermal	5% Chrysotile 60% Amosite	4
T-1-GR-17	3/4" steam pipe elbow in #30	Thermal	20% Chrysotile 40% Amosite	2
T-1-GR-18	1/2" water pipe elbow in the visitor men's restroom	Thermal	80% Chrysotile	4
T-1-GR-19	1/2" water pipe elbow in #45A file room	Thermal	60% Chrysotile	4
T-1-GR-20	Steam pipe in #45A file room	Thermal	5% Chrysotile	4
T-1-GR-21	1/2" water pipe in #45A file room	Thermal	5% Chrysotile	4
T-1-GR-22	1/2" steam pipe elbow	Thermal	60% Chrysotile	4
T-1-GR-23	1/2" pipe in #32 building mgnt. supplies	Thermal	60% Chrysotile	4
T-1-GR-24	1" pipe in the air handling room #45	Thermal	60% Chrysotile	4
T-1-GR-25	1/2" pipe elbow in # 35 BME shop	Thermal	80% Chrysotile	4
T-1-GR-26	1/2" pipe in # 38	Thermal	60% Chrysotile	1
T-1-GR-27	4" pipe in # 39	Thermal	60% Chrysotile	1
T-1-2-28	1" steam pipe in the canteen	Thermal	60% Chrysotile	1
T-1-GR-29	2" steam pipe in the laundry room	Thermal	80% Chrysotile	4
T-1-RF-30	3" steam pipe in the store room	Thermal	80% Chrysotile	4
T-1-RF-31	3" steam pipe joint in the store room	Thermal	80% Chrysotile	4
T-1-RF-32	3" steam pipe in the store room	Thermal	60% Chrysotile	4
T-1-RF-33	1" steam pipe in the elevator control room	Thermal	80% Chrysotile	4

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**BLDG. NO.: ONE (1) (Cont'd)**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
T-1-RF-34	Heat wheel mat in the Air handling unit	Thermal	80% Chrysotile	4
T-1-1-35	1" steam line elbow in #1130A treatment room	Thermal	ND	-
T-1-1-36	1/2" water pipe in #1113 treatment room	Thermal	80% Chrysotile	4
T-1-1-37	3/4" steam pipe in #1142 police room	Thermal	80% Chrysotile	2
T-1-1-38	3/4" steam line elbow in #1146	Thermal	ND	-
T-1-1-39	3/4" steam pipe in #1151	Thermal	80% Chrysotile	4
T-1-1-40	3/4" steam pipe elbow in #1155 Director's Office	Thermal	ND	-
T-1-1-41	3/4" steam pipe in #1172 Information Center	Thermal	80% Chrysotile	4
T-1-1-42	3/4" steam pipe in TV lounge	Thermal	ND	-
T-1-1-43	3/4" steam pipe in #1020	Thermal	80% Chrysotile	4
T-1-1-44	3" steam pipe elbow in #1025 special exams	Thermal	ND	-
T-1-1-45	3/4" steam pipe in #1030	Thermal	80% Chrysotile	4
T-1-1-46	3" steam pipe in # 1052 emergency room	Thermal	80% Chrysotile	4
T-1-BS-47	2" steam pipe elbow, stairwell central wing	Thermal	80% Chrysotile	3
T-1-BS-48	2" steam pipe, stairwell central wing	Thermal	80% Chrysotile	3
T-1-BS-49	2" steam pipe in the boiler room	Thermal	80% Chrysotile	4
T-1-BS-50	1" steam pipe elbow in the boiler room	Thermal	80% Chrysotile	3
T-1-BS-51	2" water pipe in the boiler room	Thermal	ND	-
T-1-BS-52	6" steam pipe in the utility tunnel	Thermal	ND	-

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**BLDG. NO.: ONE (1) (Cont'd)**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
T-1-BS-53	6" steam pipe in the utility tunnel	Thermal	ND	-
T-1-BS-54	Condensate pipe in the utility tunnel boiler room	Thermal	ND	-
T-1-BS-55	4" steam pipe in the utility tunnel	Thermal	ND	-
T-1-BS-56	4" steam pipe elbow in the utility tunnel	Thermal	ND	-
T-1-BS-57	3/4" pipe in the boiler room	Thermal	45% Chrysotile	2
T-1-BS-58	3/4" Elbow in the boiler room	Thermal	80% Chrysotile	2
T-1-2-59	3/4" steam pipe above #2025	Thermal	60% Chrysotile	4
T-1-2-60	3/4" steam pipe in #2018 file room	Thermal	60% Chrysotile	4
T-1-2-61	3/4" steam pipe elbow in #2033	Thermal	ND	-
T-1-2-62	1/2" water pipe in #2033	Thermal	5% Chrysotile	4
T-1-2-63	1/2" water pipe elbow in #2008	Thermal	ND	-
T-1-2-64	1/2" water pipe elbow in #2058	Thermal	ND	-
T-1-2-65	3/4" steam pipe in #2060	Thermal	80% Chrysotile	4
T-1-2-66	3/4" steam pipe elbow in #2079	Thermal	ND	-
T-1-2-67	3/4" steam pipe in the hallway opp. to canteen	Thermal	80% Chrysotile	4
T-1-2-68	1/2" water line in the canteen Breakroom	Thermal	50% Chrysotile	4
T-1-2-69	3/4" steam pipe elbow	Thermal	ND	-
T-1-2-70	3/4" steam pipe in the auditorium	Thermal	80% Chrysotile	4

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**BLDG. NO.: ONE (1) (Cont'd)**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
T-1-2-71	1/2" water pipe in #2113	Thermal	5% Chrysotile	4
T-1-2-72	3/4" steam pipe elbow in the Chapel	Thermal	ND	-
T-1-2-73	1/2" water pipe elbow in the Library	Thermal	ND	-
T-1-2-74	Steam pipe in #2128	Thermal	60% Chrysotile	4
T-1-2-75	1/2" water pipe in #2128	Thermal	5% Chrysotile	4
T-1-1-76	3/4" steam pipe in the Kitchen	Thermal	20% Chrysotile 40% Amosite	4
T-1-1-77	3/4" steam pipe elbow in the Kitchen	Thermal	20% Chrysotile	4
T-1-1-78	3/4" steam pipe above the radiator valve	Thermal	60% Chrysotile	4
T-1-3-85	3/4" steam pipe elbow in #3133	Thermal	ND	-
T-1-3-86	3/4" steam pipe in #3147	Thermal	80% Chrysotile	4
T-1-3-87	1/2" water pipe men's bathroom pipe chase	Thermal	5% Chrysotile	4
T-1-3-88	3/4" steam pipe in #3108 conference room	Thermal	ND	-
T-1-3-89	3/4" steam pipe in #3118	Thermal	80% Chrysotile	4
T-1-3-90	3/4" steam pipe elbow in #3001	Thermal	ND	-
T-1-3-91	2" water pipe b/w 3054A & 3051 pipe chase	Thermal	20% Chrysotile	3
T-1-3-92	3/4" steam pipe b/w 3005 & 3006 pipe chase	Thermal	20% Chrysotile	4
T-1-3-93	3/4" steam pipe elbow in #3030	Thermal	ND	-
T-1-3-94	3/4" steam pipe in #3037	Thermal	80% Chrysotile	4

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**BLDG. NO.: ONE (1) (Cont'd)**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
T-1-4-95	3/4" steam pipe in #4080 bathroom	Thermal	80% Chrysotile	4
T-1-4-96	1/2" water pipe elbow in #4080 bathroom	Thermal	ND	-
T-1-4-97	3/4" steam pipe elbow in #4086	Thermal	ND	-
T-1-4-98	3/4" steam pipe in #4000 waiting room	Thermal	80% Chrysotile	4
T-1-4-99	1/2" water pipe inside pipe chase b/w 4048 & 4051B	Thermal	5% Chrysotile	4
T-1-4-100	1" water pipe elbow inside pipe chase near #4032 bathroom	Thermal	ND	-
T-1-4-101	1/2" water pipe inside pipe chase b/w 4007 & 4005	Thermal	5% Chrysotile	4
T-1-4-102	3/4" steam pipe in #4033	Thermal	5% Chrysotile	4
T-1-4-103	1/2" water pipe elbow in #4033	Thermal	ND	-
T-1-4-104	3/4" steam pipe in #4034 break room	Thermal	80% Chrysotile	4

**BLDG. NO: TWENTY THREE (23) LOCATION: SUPPLY WAREHOUSE  
DATE: August 16, 1994**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
F-23-1-1	Office floor tile	Linoleum	ND	-

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**BLDG. NO.: ONE (1)**  
**DATE: August 15, 1994**

SAMPLE NO	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
F-1-2-1	Canteen floor tile	Linoeum	ND	-
F-1-2-2	Canteen closet floor tile	Linoeum	ND	-
F-1-2-3	Canteen floor tile	Linoeum	ND	-
S-1-2-4	Canteen wall plaster	Plaster	ND	-
F-1-2-5	Breakroom floor tile in the canteen	Tile	5% Chrysotile	4
S-1-2-6	Canteen wall	Plaster	ND	-
S-1-2-7	Canteen ceiling	Tile	ND	-
S-1-2-8	Canteen ceiling (employee break room)	Tile	10% Chrysotile	4
S-1-2-9	Canteen floor (employee break room)	Tile	10% Chrysotile	4
S-1-GR-10	Pharmacy drywall	Plaster	ND	-
S-1-GR-11	Pharmacy drywall	Plaster	ND	-
S-1-GR-12	Pharmacy drywall	Plaster	ND	-
S-1-GR-13	Pharmacy room drywall	Plaster	ND	-
F-1-GR-14	Pharmacy waiting room floor	Tile	ND	-
S-1-GR-15	Supply & Processing room ceiling	Tile	ND	-
S-1-GR-16	Supply & Processing room drywall	Plaster	ND	-
S-1-GR-17	Supply & Processing storage drywall ceiling	Plaster	ND	-

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**BLDG: NO.: ONE (1) (Cont'd)**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
S-1-GR-18	Supply & Processing storage drywall ceiling	Plaster	ND	-
F-1-GR-19	Hallway floor tile	Linoleum	ND	-
F-1-GR-20	Hallway floor tile	Linoleum	10% (M) Chrysotile	4
F-1-GR-21	Hallway floor tile	Linoleum	ND	-
F-1-GR-22	Hallway floor tile	Linoleum	10% (M) Chrysotile	4
F-1-GR-23	Hallway floor tile	Linoleum	ND	-
F-1-GR-24	Hallway floor tile	Linoleum	2% (T) 10% (M) Chrysotile	4
F-1-GR-25	Hallway floor tile	Linoleum	10% (M) Chrysotile	4
F-1-GR-26	Hallway floor tile	Linoleum	10% (M) Chrysotile	4
F-1-GR-27	Hallway floor tile	Linoleum	5% (M) Chrysotile	4
F-1-GR-28	Hallway floor tile	Linoleum	ND	-
F-1-GR-29	Hallway floor tile	Linoleum	10% (M) Chrysotile	4
F-1-GR-30	Hallway floor tile	Linoleum	10% (M) Chrysotile	4
F-1-GR-31	Hallway floor tile	Linoleum	10% (M) Chrysotile	4
F-1-GR-32	Hallway floor tile	Linoleum	10% (M) Chrysotile	4
F-1-GR-33	Hallway floor tile	Linoleum	ND	-
S-1-GR-34	Hallway ceiling	Tile	ND	-
S-1-GR-35	Hallway ceiling	Tile	ND	-

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**BLDG. NO.: ONE (1) (Cont'd)**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
S-1-GR-36	Hallway ceiling	Tile	ND	-
S-1-GR-37	Hallway ceiling	Tile	ND	-
S-1-GR-38	Hallway ceiling	Tile	ND	-
S-1-GR-39	Hallway ceiling	Tile	ND	-
S-1-GR-40	Hallway ceiling	Tile	ND	-
S-1-GR-41	Hallway ceiling	Tile	ND	-
S-1-GR-42	Hallway ceiling	Tile	ND	-
S-1-GR-43	Hallway ceiling	Tile	ND	-
S-1-GR-44	Hallway ceiling	Tile	ND	-
S-1-GR-45	Hallway ceiling	Tile	ND	-
S-1-GR-46	Hallway ceiling	Tile	ND	-
S-1-GR-47	Hallway ceiling	Tile	ND	-
S-1-GR-48	Hallway ceiling	Tile	ND	-
S-1-GR-49	Hallway ceiling	Tile	ND	-
S-1-GR-50	Air handler room	Plaster	ND	-
S-1-GR-51	Electrical closet	Plaster	ND	-
S-1-GR-52	Electrical closet ceiling	Tile	ND	-
S-1-GR-53	#7A sample	Plaster	ND	-

**KEY TO ABBREVIATIONS AND RATINGS**

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**BLDG. NO.: ONE (1) (Cont'd)**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
S-1-GR-54	#4 plaster ceiling	Plaster	ND	-
S-1-GR-55	#4 fiber board wall	Plaster	ND	-
S-1-GR-56	#2 plaster ceiling	Plaster	ND	-
F-1-GR-57	#81 floor tile	Linoleum	5% (T) 10% (M) Chrysotile	4
F-1-GR-58	#77 floor tile	Linoleum	5% (M) Chrysotile	4
S-1-GR-59	#68 drywall sample	Plaster	ND	-
S-1-GR-60	#30 drywall sample	Plaster	ND	-
S-1-GR-61	#45 Air handling room drywall	Plaster	ND	-
S-1-GR-62	#60 laundry room ceiling	Tile	ND	-
F-1-GR-63	#62 laundry room linoleum floor	Tile	ND	-
F-1-GR-64	#65 laundry room floor tile	Linoleum	ND	-
S-1-GR-65	#60 laundry room ceiling	Tile	ND	-
F-1-GR-66	#60 laundry room floor tile	Linoleum	ND	-
S-1-GR-67	#60 laundry room ceiling	Tile	ND	-
S-1-RF-68	Roof patching material	Plaster	ND	-
S-1-RF-69	Roofing material	Plaster	ND	-
S-1-RF-70	Roofing material	Plaster	ND	-
S-1-RF-71	Roofing material	Plaster	20% Chrysotile	4
S-1-RF-72	Roofing material	Plaster	5% Chrysotile	4

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**BLDG. NO.: ONE (1) (Cont'd)**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
S-1-RF-73	Patching material	Plaster	ND	-
S-1-RF-74	Roofing material	Plaster	ND	-
S-1-RF-75	Roofing material	Plaster	ND	-
S-1-RF-76	Roofing material	Plaster	40% Chrysotile	4
S-1-RF-77	Roofing material	Plaster	40% Chrysotile	4
S-1-1-78	Fiber board	Tile	ND	-
F-1-1-79	#1112 electrical closet floor tile	Linoleum	ND	-
F-1-1-80	#1132 floor tile	Linoleum	ND	-
F-1-1-81	#1113 floor tile	Linoleum	ND	-
F-1-1-82	#1129 floor tile	Linoleum	ND	-
S-1-1-83	#1129 drywall sample	Plaster	ND	-
S-1-1-84	#1115 drywall sample	Plaster	ND	-
S-1-1-85	Hallway ceiling	Tile	ND	-
S-1-1-86	Hallway ceiling	Tile	ND	-
S-1-1-87	Hallway ceiling	Tile	ND	-
S-1-1-88	Hallway ceiling	Tile	ND	-
S-1-1-89	Hallway ceiling	Tile	ND	-
F-1-1-90	Hallway floor tile	Linoleum	ND	-
F-1-1-91	Hallway floor tile	Linoleum	ND	-
F-1-1-92	Hallway floor tile	Linoleum	ND	-
F-1-1-93	Hallway floor tile	Linoleum	ND	-
F-1-1-94	Hallway floor tile	Linoleum	ND	-

**KEY TO ABBREVIATIONS AND RATINGS**

Thermal Insulation material F - Floor Tile S - Surfacing material M - Miscellaneous material (T) - Tile (M) - Mastic	1 - Severe damage (remove) 2 - Moderate damage (cover) 3 - Minor damage (patch) 4 - Intact (monitor)  ND - None Detected
---	---

**BLDG. NO.: ONE (1) (Cont'd)**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
F-1-1-95	Hallway floor tile	Linoeum	ND	-
F-1-1-96	Hallway floor tile	Linoeum	ND	-
F-1-1-97	Hallway floor tile	Linoeum	ND	-
F-1-1-98	Hallway floor tile	Linoeum	ND	-
S-1-1-99	#1142 drywall	Plaster	ND	-
S-1-1-100	#1147 ceiling	Tile	ND	-
S-1-1-101	#1146 wall	Plaster	ND	-
S-1-1-102	#1151 wall	Plaster	ND	-
S-1-1-103	Waiting room drywall	Plaster	ND	-
F-1-1-104	#1009 floor	Tile	ND	-
S-1-1-105	#1020 wall	Plaster	ND	-
S-1-1-106	#1023 Janitor closet ceiling	Plaster	ND	-
S-1-1-108	#1030 wall	Plaster	ND	-
S-1-1-109	#1030 ceiling	Tile	ND	-
S-1-1-110	#1041 wall	Plaster	ND	-
S-1-2-111	Hallway ceiling	Tile	ND	-
S-1-2-112	#2078 ceiling	Tile	ND	-
S-1-2-113	Opp. #2060 ceiling	Tile	ND	-
S-1-2-114	Opp. #2025 ceiling	Tile	ND	-
S-1-2-115	#2054 ceiling	Tile	ND	-
F-1-2-116	Hallway floor tile	Linoeum	ND	-
F-1-2-117	Hallway floor tile near #2025	Linoeum	10% (M) Chrysotile	4

**KEY TO ABBREVIATIONS AND RATINGS**

T - Thermal Insulation material F - Floor Tile S - Surfacing material M - Miscellaneous material (T) - Tile (M) - Mastic	1 - Severe damage (remove) 2 - Moderate damage (cover) 3 - Minor damage (patch) 4 - Intact (monitor)  ND - None Detected
---	---

**BLDG. NO.: ONE (1) (Cont'd)**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
F-1-2-118	Hallway floor tile near #2074	Linoleum	ND	-
F-1-2-119	Hallway floor tile near #2115	Linoleum	ND	-
F-1-2-120	Hallway floor tile near #2002	Linoleum	2% (T) 10% (M) Chrysotile	4
F-1-2-121	Hallway floor tile near #2075	Linoleum	2% Chrysotile	4
F-1-2-122	Hallway floor tile near #2112	Linoleum	10% (M) Chrysotile	4
F-1-2-123	Hallway floor tile near #2098B	Linoleum	10% Chrysotile	4
S-1-3-124	Hallway ceiling near #3043	Tile	ND	-
S-1-3-125	Hallway ceiling near #3033	Tile	ND	-
S-1-3-126	Hallway ceiling near #3100	Tile	ND	-
S-1-3-127	Hallway ceiling near #3116	Tile	ND	-
S-1-3-128	Hallway ceiling near #3136	Tile	ND	-
S-1-4-129	Hallway ceiling	Tile	ND	-
S-1-4-130	Hallway ceiling	Tile	ND	-
S-1-4-131	Hallway ceiling	Tile	ND	-
S-1-4-132	Hallway ceiling	Tile	ND	-
S-1-4-133	Hallway ceiling	Tile	ND	-
S-1-5-134	Hallway ceiling	Tile	ND	-
S-1-5-135	Hallway ceiling	Tile	ND	-
S-1-5-136	Hallway ceiling	Tile	ND	-

**KEY TO ABBREVIATIONS AND RATINGS**

T - Thermal Insulation material F - Floor Tile S - Surfacing material M - Miscellaneous material (T) - Tile (M) - Mastic	1 - Severe damage (remove) 2 - Moderate damage (cover) 3 - Minor damage (patch) 4 - Intact (monitor)  ND - None Detected
---	---

**BLDG. NO.: ONE (1) (Cont'd)**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
S-1-5-137	Hallway ceiling	Tile	ND	-
S-1-5-138	Hallway ceiling	Tile	ND	-
F-1-3-139	Hallway floor tile near #3041B	Linoleum	ND	-
F-1-3-140	Hallway floor tile near #3041A	Linoleum	ND	-
F-1-3-141	Electrical closet floor next to #3034	Tile	ND	-
F-1-3-142	Hallway floor tile outside #3136	Linoleum	ND	-
F-1-3-143	Hallway floor tile outside #3138	Linoleum	ND	-
F-1-4-144	Hallway floor tile outside #4057	Linoleum	ND	-
F-1-4-145	Hallway floor tile outside #4057	Linoleum	ND	-
F-1-4-146	Hallway floor tile outside #4074B	Linoleum	ND	-
F-1-4-147	Hallway floor tile outside #4074A	Linoleum	ND	-
F-1-4-148	Hallway floor tile outside #4002	Linoleum	ND	-
F-1-5-149	Hallway floor tile next to #5013	Linoleum	ND	-
F-1-5-150	Hallway floor tile next to #5015	Linoleum	ND	-
F-1-5-151	Hallway floor tile outside #5054	Linoleum	ND	-
F-1-5-152	Hallway floor tile outside #5054	Linoleum	ND	-
F-1-5-153	Hallway floor tile outside #5068	Linoleum	ND	-
F-1-2-154	#2033 floor tile	Linoleum	2% Chrysotile	4
F-1-2-155	#2033 floor tile	Linoleum	2% Chrysotile	4

**KEY TO ABBREVIATIONS AND RATINGS**

T - Thermal Insulation material F - Floor Tile S - Surfacing material M - Miscellaneous material (T) - Tile (M) - Mastic	1 - Severe damage (remove) 2 - Moderate damage (cover) 3 - Minor damage (patch) 4 - Intact (monitor)  ND - None Detected
---	---

**BLDG. NO.: ONE (1) (Cont'd)**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
F-1-2-156	#2026 floor tile	Linoeum	ND	-
F-1-2-157	#2022 floor tile	Linoeum	ND	-
F-1-2-158	Hallway floor tile	Linoeum	5% Chrysotile	4
F-1-2-159	Floor tile in Nuclear medicine room	Linoeum	ND	-
F-1-2-160	Floor tile in Nuclear medicine room	Linoeum	ND	-
F-1-2-161	Floor tile in Nuclear medicine room	Linoeum	ND	-
S-1-2-162	#2037 applied drywall	Plaster	ND	-
S-1-2-163	#2038 drywall ceiling	Plaster	ND	-
S-1-2-164	#2045 drywall ceiling	Plaster	ND	-
S-1-2-165	#2046 drywall	Plaster	ND	-
S-1-2-166	Store room #2077 drywall	Plaster	ND	-
F-1-2-167	#2077 floor	Tile	ND	-
S-1-2-168	#2083 wall	Plaster	ND	-
F-1-2-169	#2094 floor tile (black & green)	Linoeum	20% (T) 5% (M) Chrysotile	4
S-1-2-170	#2109A drywall	Plaster	ND	-
S-1-2-171	Stairwell drywall	Plaster	ND	-
S-1-2-172	#2128 drywall	Plaster	ND	-

**KEY TO ABBREVIATIONS AND RATINGS**

T - Thermal insulation material F - Floor Tile S - Surfacing material M - Miscellaneous material (T) - Tile (M) - Mastle	1 - Severe damage (remove) 2 - Moderate damage (cover) 3 - Minor damage (patch) 4 - Intact (monitor)  ND - None Detected
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**BLDG. NO.: 1 (Cont'd)**

SAMPLE NO.	LOCATION DESCRIPTION	TYPE	PERCENT ACM	RATING
S-1-1-173	#1075 kitchen drywall	Plaster	ND	-
S-1-1-174	#1066 kitchen drywall ceiling	Plaster	ND	-
F-1-3-175	Floor tile outside #3075	Linoleum	15% Chrysotile	4
F-1-3-176	Surgical unit hallway floor	Tile	5% (M) Chrysotile	4
F-1-3-177	Hallway floor in the corner of #3094 and double doors	Tile	15% (T) 5% (M) Chrysotile	4
F-1-3-178	#3059 floor tile	Linoleum	ND	-
F-1-3-179	#3093 floor tile	Linoleum	ND	-
S-1-3-180	Drywall next to #3094	Plaster	ND	-
S-1-3-181	#3067 drywall	Plaster	ND	-
S-1-3-182	#3066 drywall ceiling	Plaster	ND	-
S-1-3-183	#3094 drywall ceiling	Plaster	ND	-
F-1-3-184	#3133 floor tile	Linoleum	ND	-
S-1-3-185	#3133 plastered drywall	Plaster	ND	-
S-1-3-186	#3120 drywall ceiling	Plaster	ND	-
S-1-3-187	Hallway ceiling	Plaster	ND	-
S-1-3-188	#3111 drywall	Plaster	ND	-
S-1-3-189	#3001 drywall ceiling	Plaster	ND	-
S-1-3-190	Fire equipment closet drywall ceiling b/w #3001 & #3012	Plaster	ND	-
F-1-3-191	#3030 floor tile	Linoleum	ND	-
S-1-3-192	Fire equipment closet drywall ceiling next to #3043	Plaster	ND	-
S-1-3-193	Electrical closet drywall next to #3043	Plaster	ND	-

**KEY TO ABBREVIATIONS AND RATINGS**

T - Thermal Insulation material F - Floor Tile S - Surfacing material M - Miscellaneous material (T) - Tile (M) - Mastic	1 - Severe damage (remove) 2 - Moderate damage (cover) 3 - Minor damage (patch) 4 - Intact (monitor)  ND - None Detected
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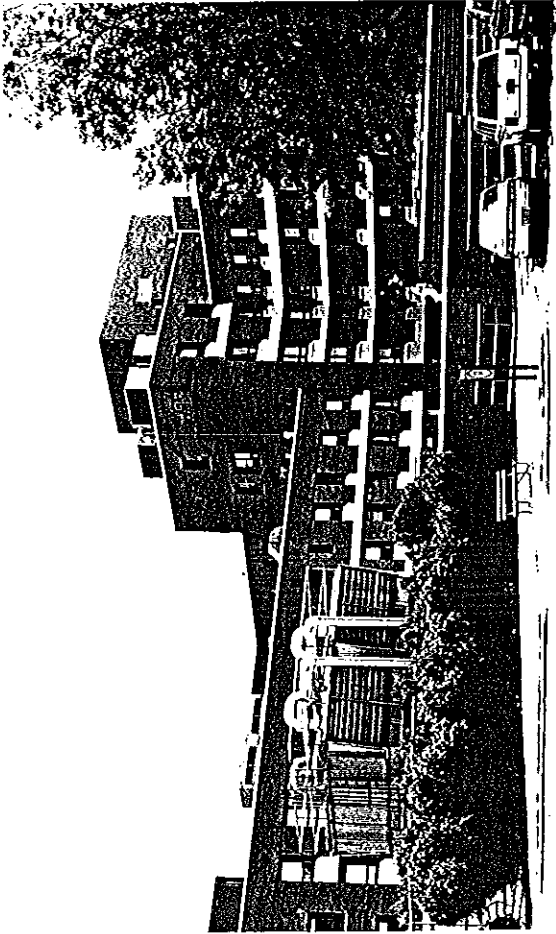
<b>T - Thermal Insulation material</b> <b>F - Floor Tile</b> <b>S - Surfacing material</b> <b>M - Miscellaneous material</b> <b>(T) - Tile</b> <b>(M) - Mastic</b> <b>RF - Roof</b> <b>GR - Ground Floor</b> <b>BS - Basement</b>	<b>1 - Severe damage (remove)</b> <b>2 - Moderate damage (cover)</b> <b>3 - Minor damage (patch)</b> <b>4 - Intact (monitor)</b>  <b>ND - None Detected</b>
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See Enclosed Drawings for Sample Locations.

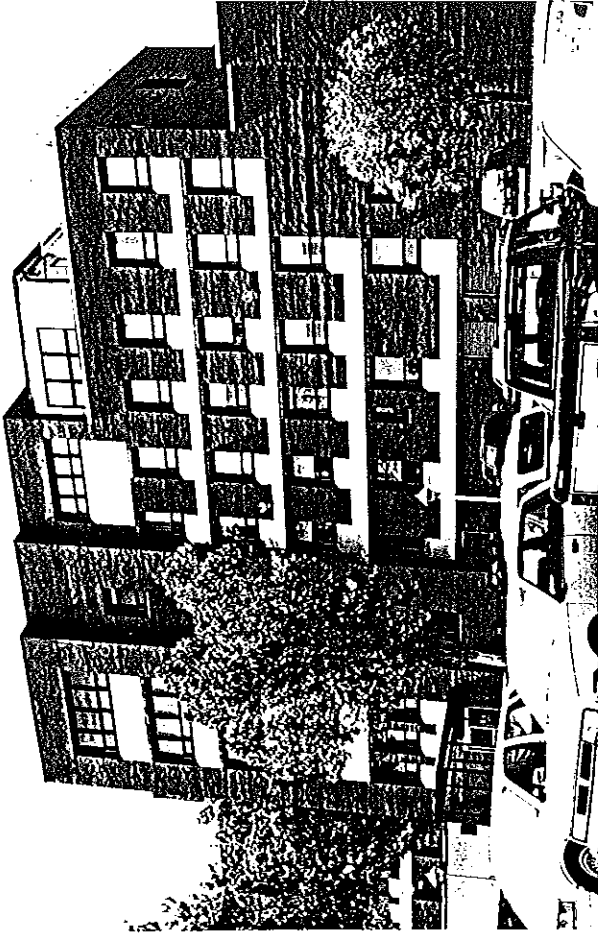
**APPENDIX 2**

**PHOTOGRAPHS**

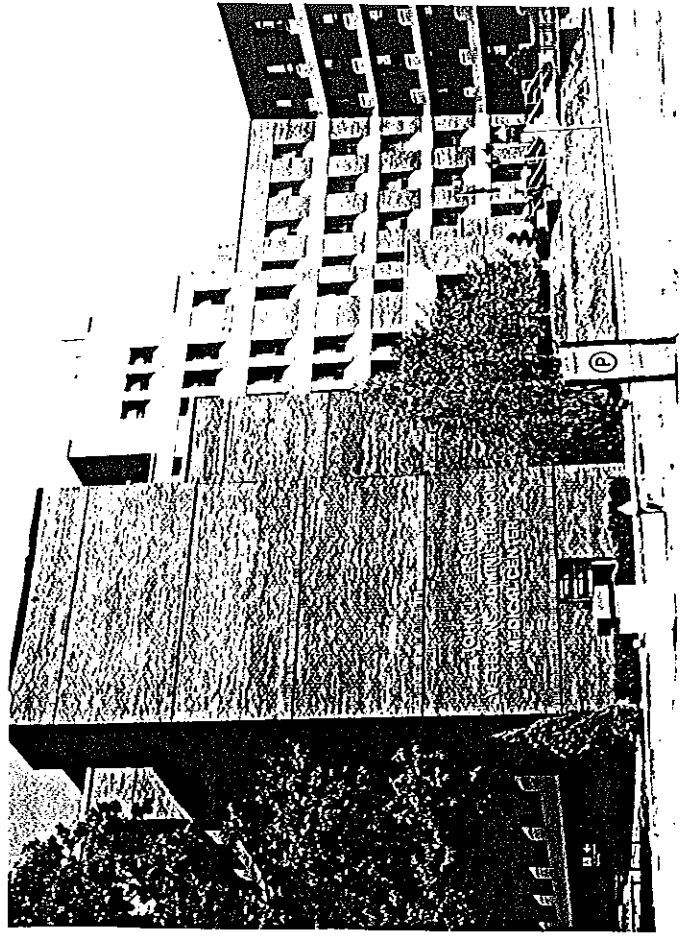




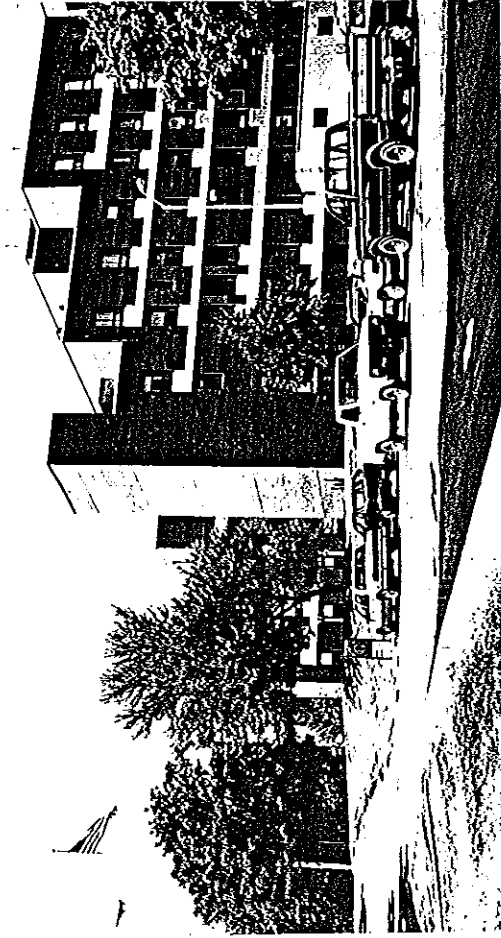
View of Building 1 from the northeast



View of Building 1 from the south



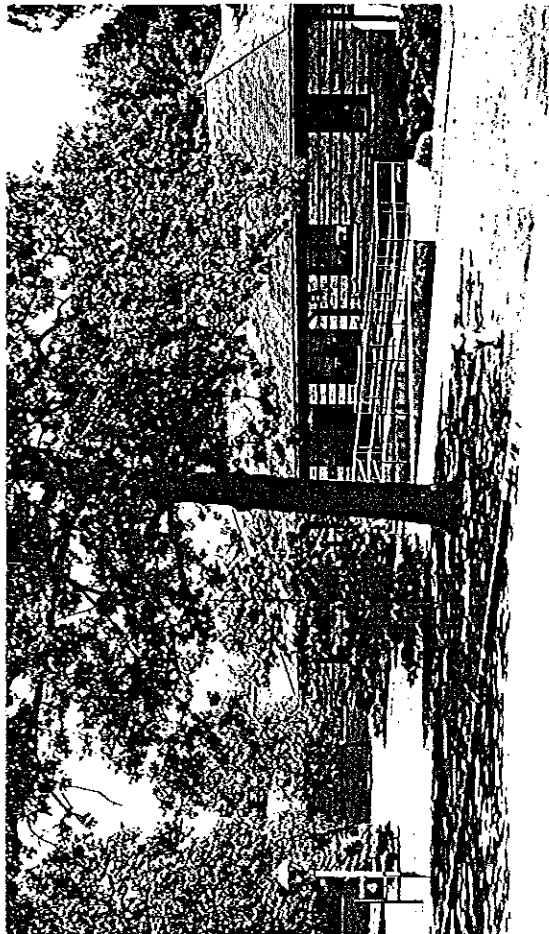
View of Building 1 from the West



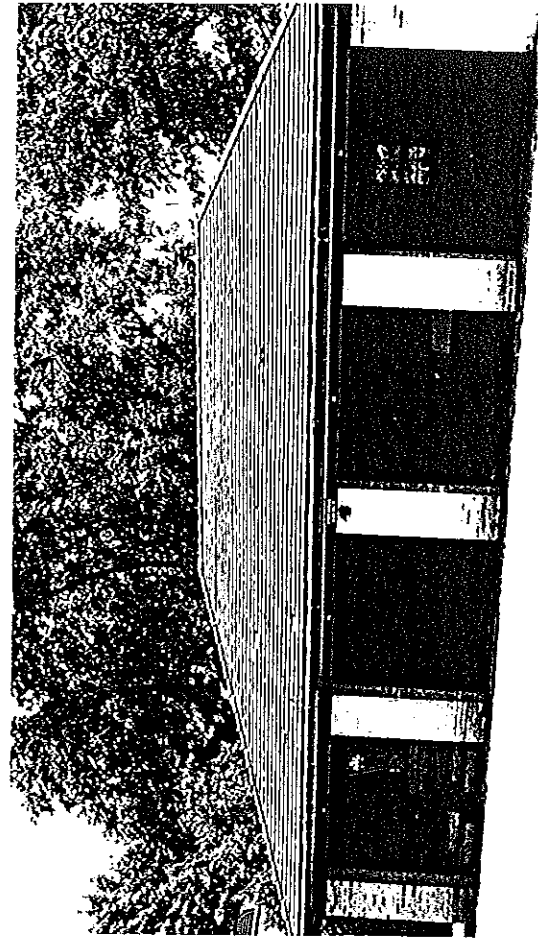
View of Building 1 from the southwest



Building 3 - Staff Quarters



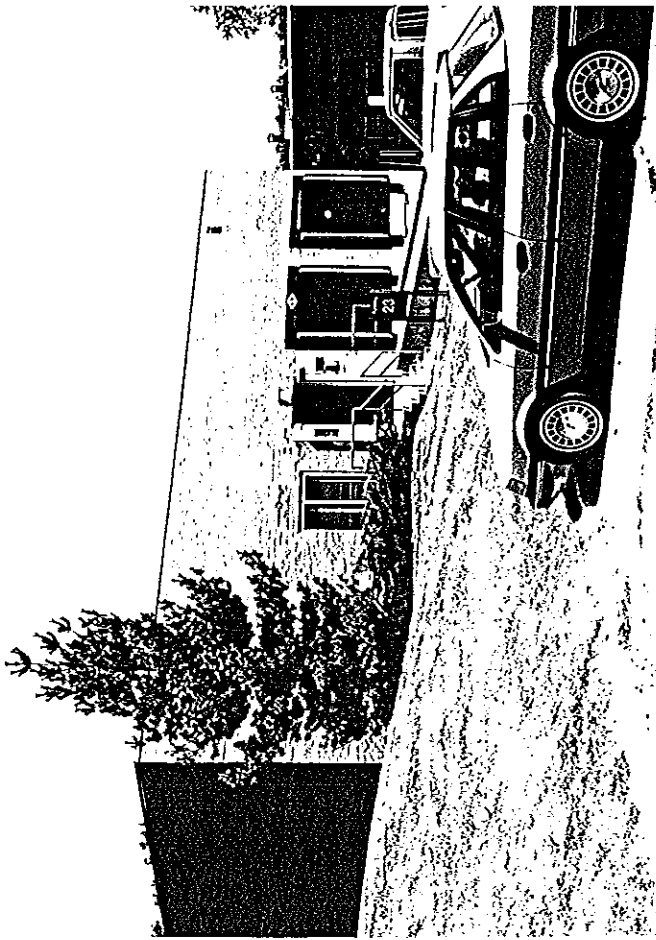
Building 4 - Staff Quarters



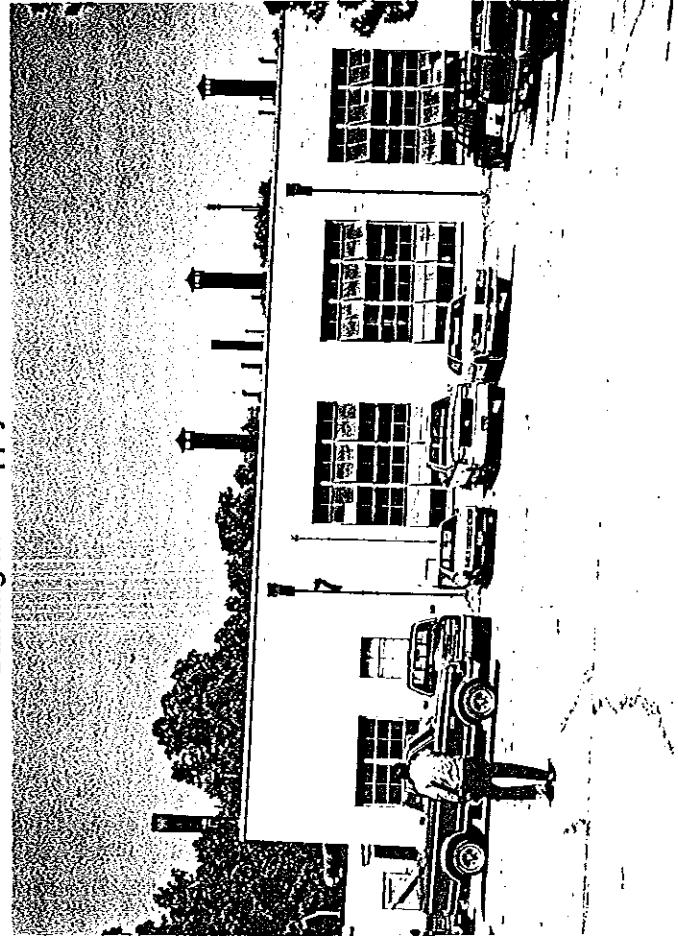
Building 10 - Staff Garage



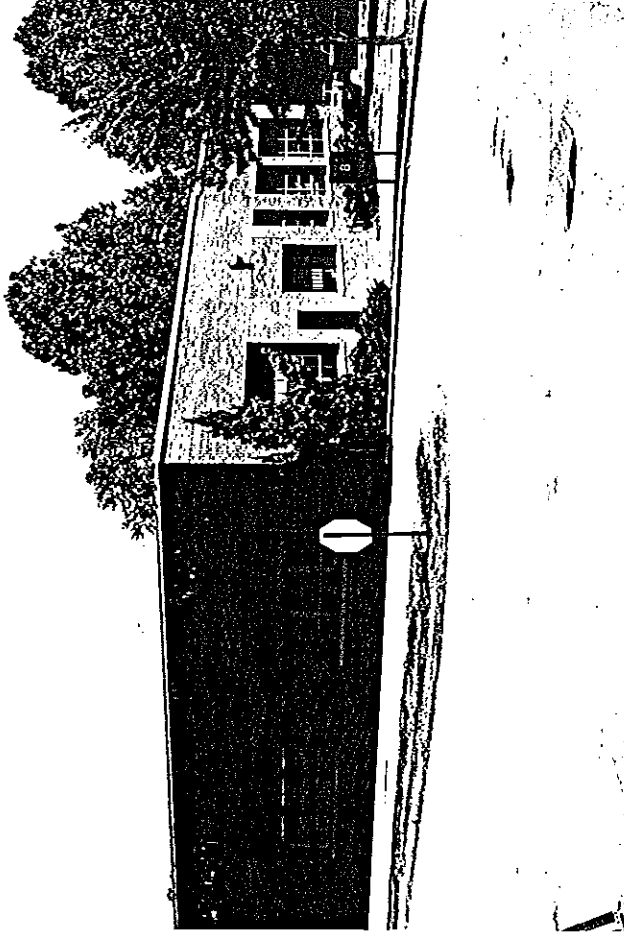
Building 5 - Administrative Offices



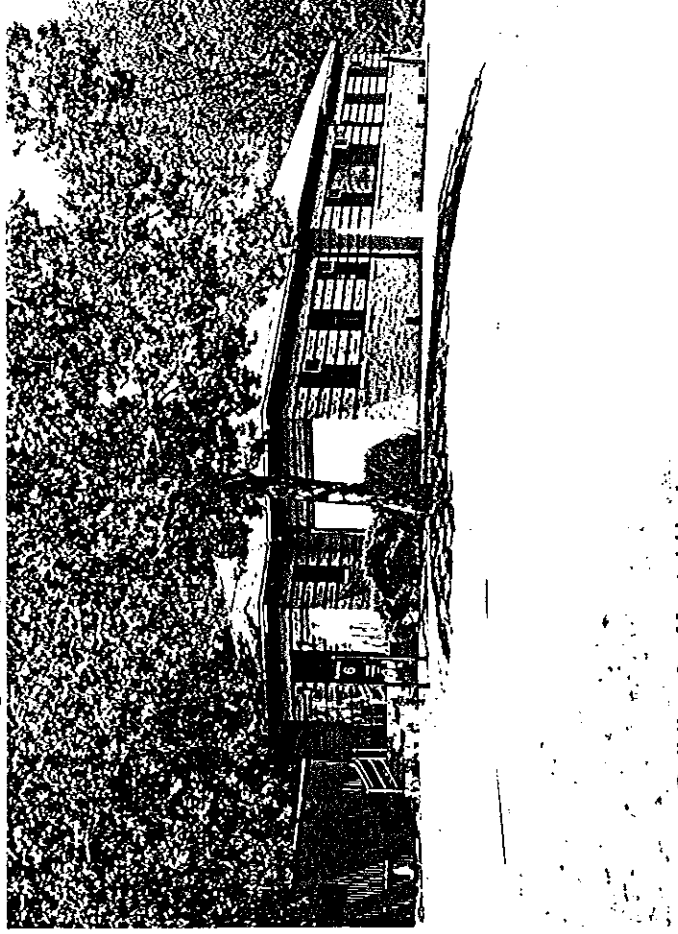
Building 23 - Supply Warehouse



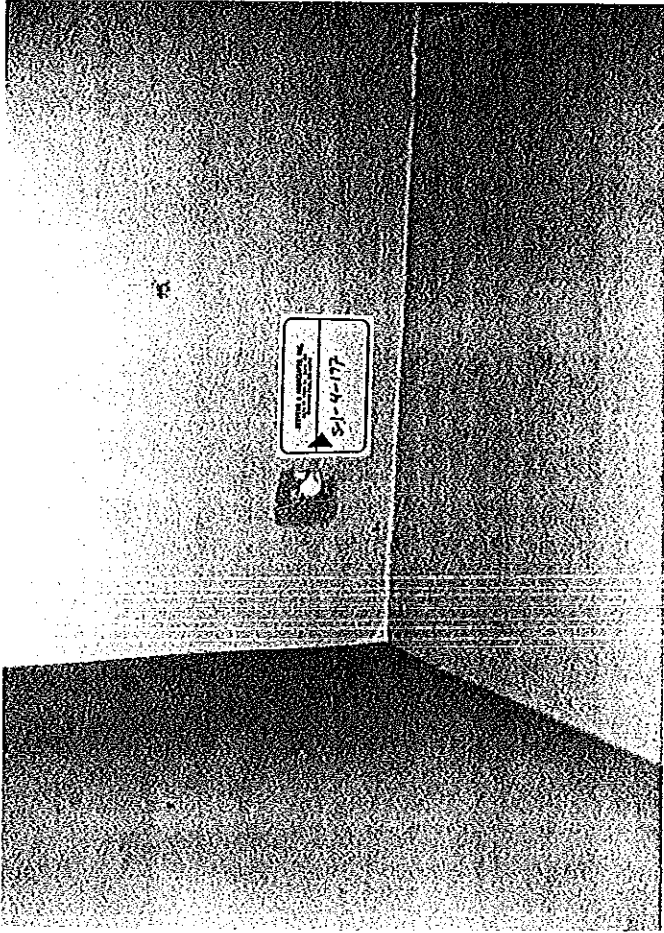
Building 7 - Boiler House



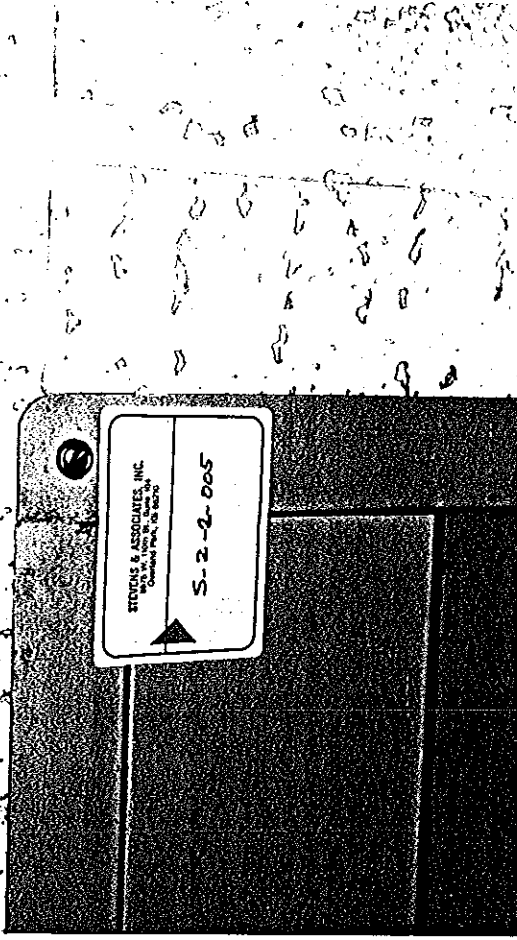
Building 8 - Engineering Building



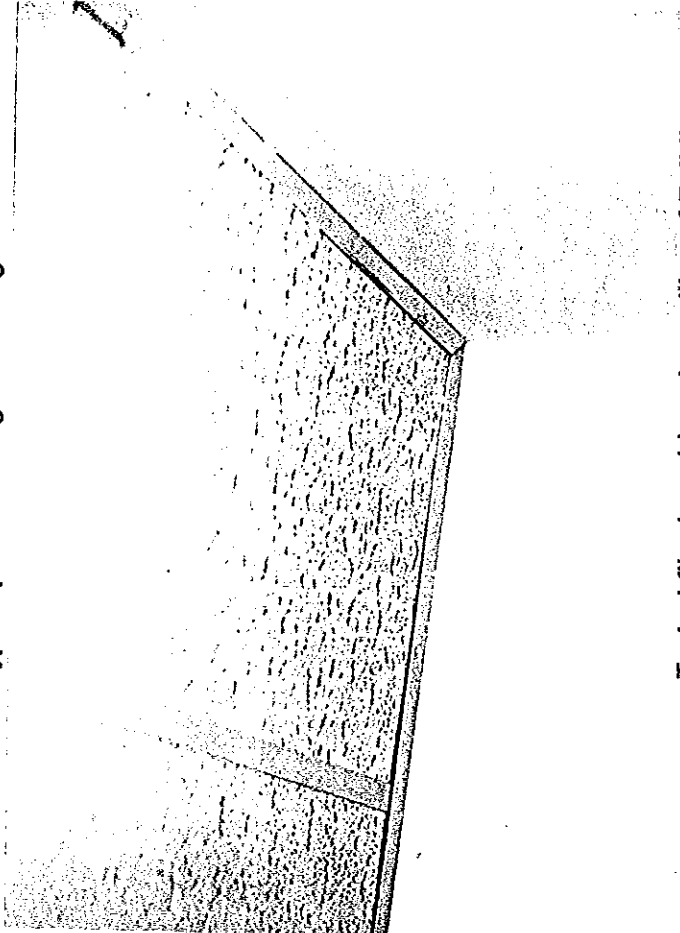
Building 6 - Mental Hygiene



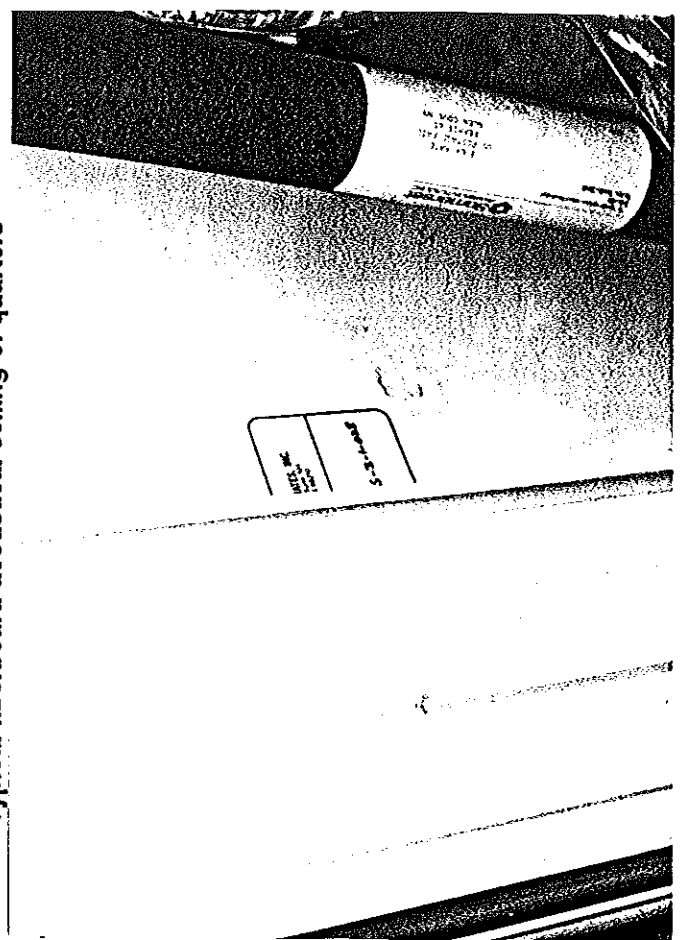
Typical plaster ceiling of Building 1



Typical fiberboard acoustical ceiling of quarters



Typical fiberboard hanging ceiling of Building 1



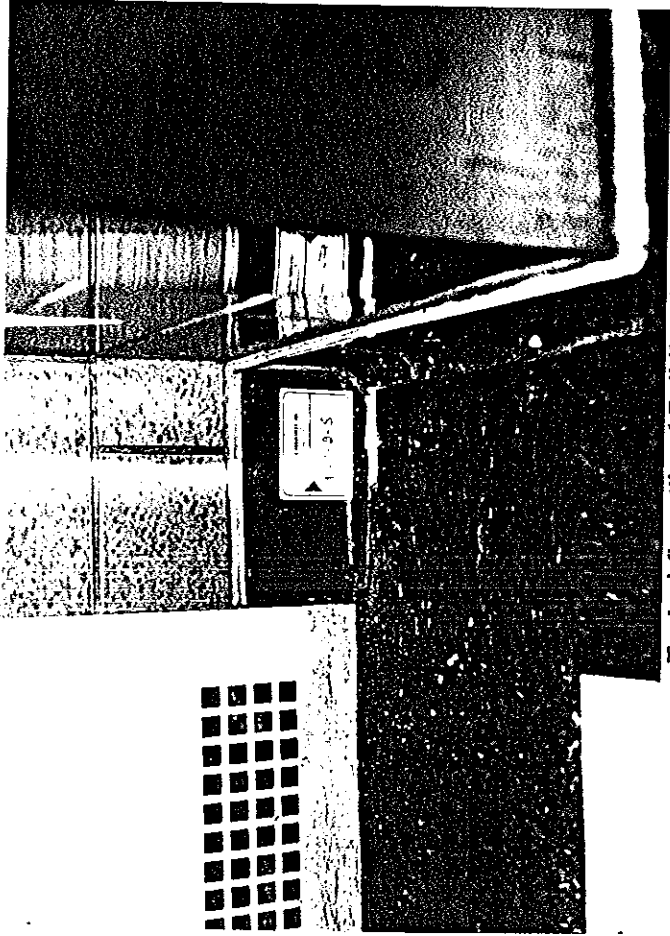
Typical plaster walls of quarters



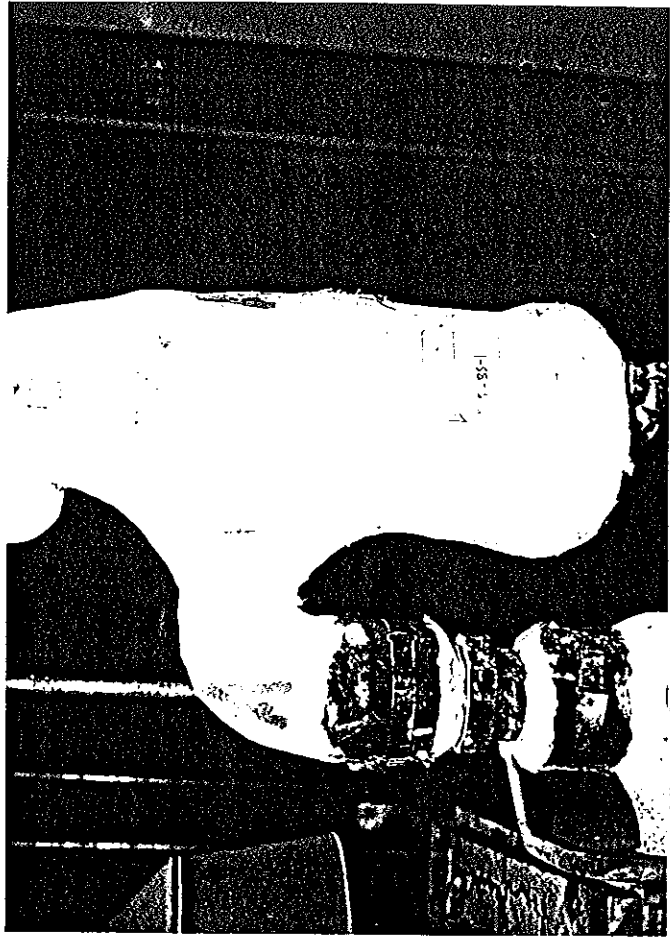
Typical plaster walls of Building 1



Typical floor tiles of quarters



Typical floor tile of Building 1



Thermal covering of boiler valve in Building 5

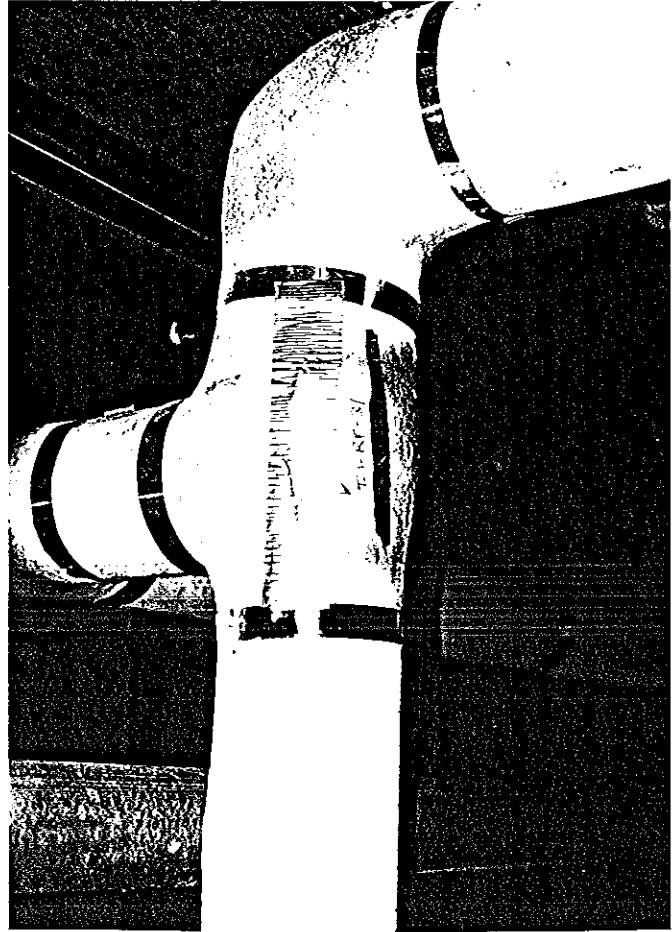




Painted cloth covered thermal insulation



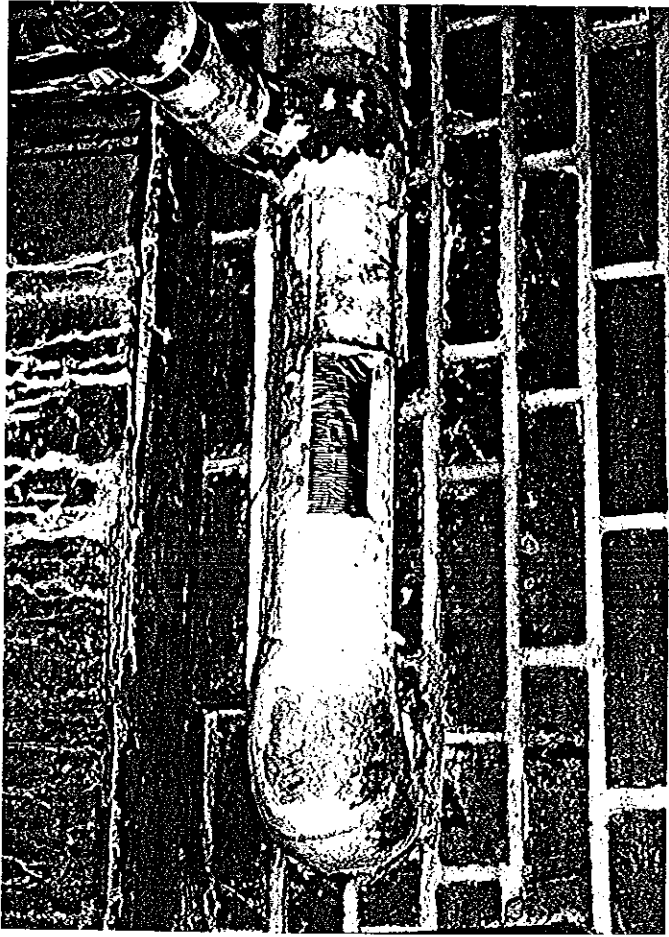
Black cloth covered thermal insulation



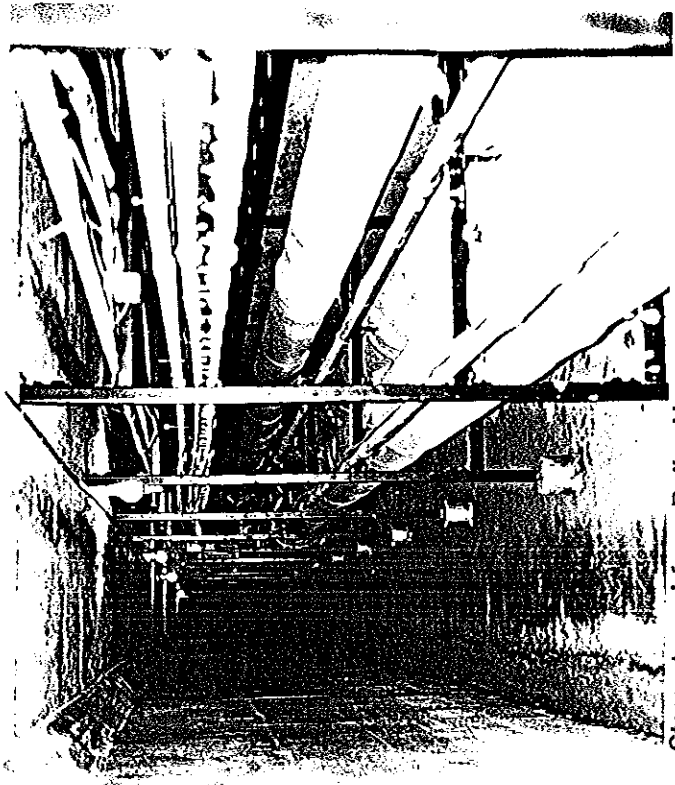
Typical thermal insulation joints in Building 1



Typical thermal insulation elbows in Building 1



Thermal Insulation In Building 1 basement



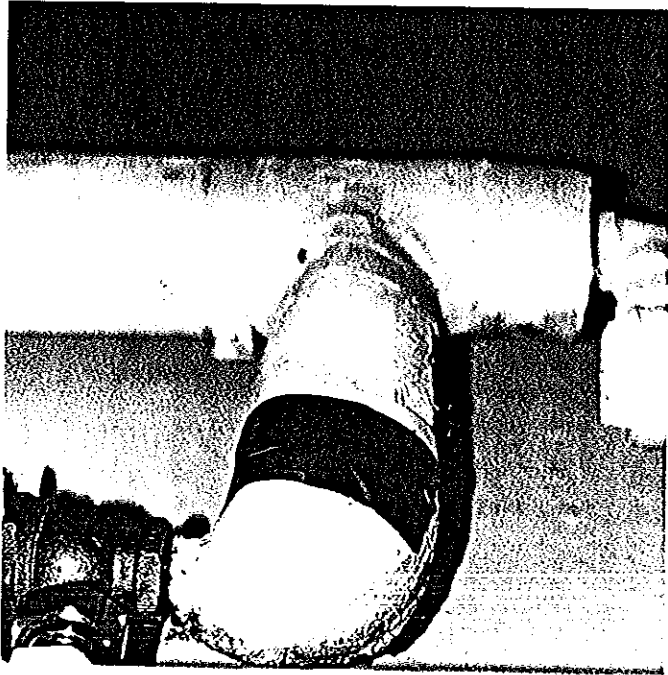
Steam tunnel from Boiler House



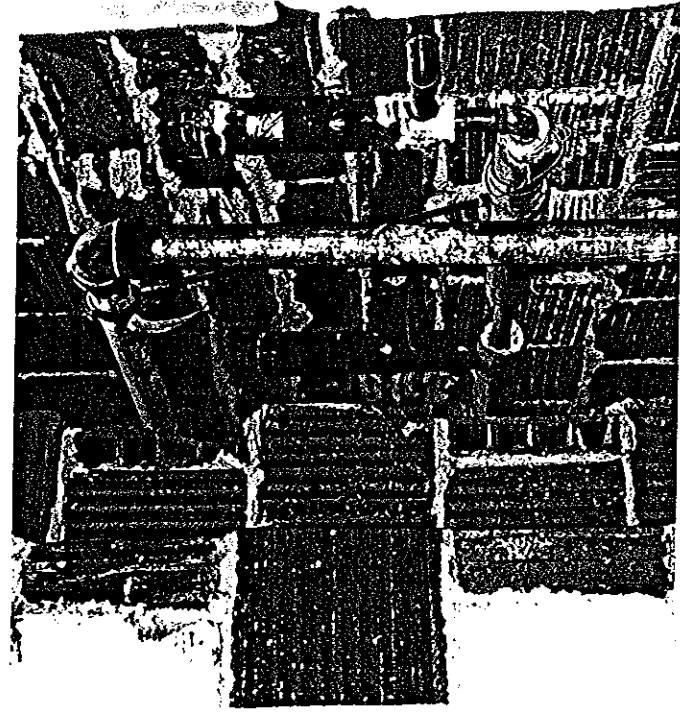
Damaged thermal Insulation in Building 1 basement



Thermal insulation in the steam tunnel which has been encapsulated



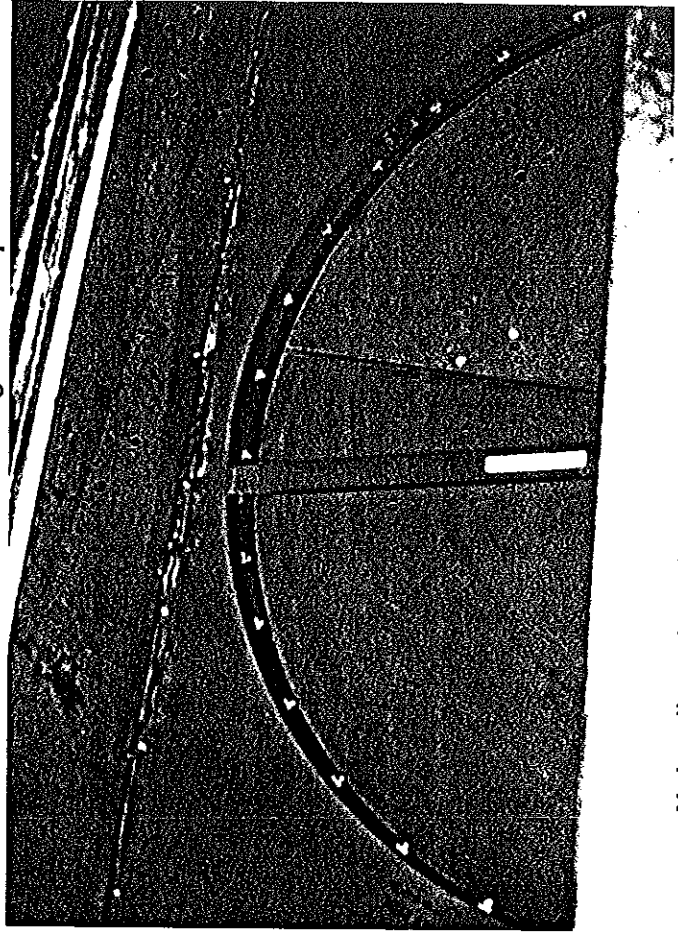
Thermal insulation at Building 6 radiator valve



Thermal insulation inside Building 1 access panel



Roofing material of Building 1



Air handler unit on the roof of Building 1



**APPENDIX 3**

**LABORATORY RESULTS**

ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-2-7  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11063

RESULTS

AMOSITE	%	CELLULOSE	40 %
ANTHOPHYLLITE	%	FIBERGLASS	20 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	60 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	40 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-2-8  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Brown

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082394 11064

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	10 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	10 %	TOTAL NON-FIBROUS MATERIALS	90 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-2-9  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Off-White

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082394 11065

COMMENT: mastic layer contained 5% chrysotile ,3% cellulose.

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	10 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	10 %	TOTAL NON-FIBROUS MATERIALS	90 %

RECEIVED: 8/18/94  
MICROSCOPIST: *V. J. J.*  
DATE ANALYZED: 8/26/94  
SUPERVISOR:

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-GR-10	FLR:	RM: Phar. wall OTHER:	MATERIAL TYPE: Other(drywall)	
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: White					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11066					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 80 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-GR-11	FLR:	RM: Phar. wall OTHER:	MATERIAL TYPE: Other(drywall)	
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Off-White					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11067					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 40 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-GR-12	FLR:	RM: Phar. wall OTHER:	MATERIAL TYPE: Other(drywall)	
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Off-White					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11068					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 40 %					
COMMENT:					

*Michael L. L...*

RECEIVED: 8/18/94

MICROSCOPIST:

DATE ANALYZED: 8/25/94

SUPERVISOR:

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: S-1-GR-13	RM: Phar. wall OTHER:	MATERIAL TYPE: Other(drywall)
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Homogenous		
COLOR: Off-White		
<u>METHOD OF ANALYSIS:</u> EPA		
LAB SAMPLE NUMBER: 647 082394 11069		
<u>COMMENT:</u>		
<u>RESULTS</u>		
AMOSITE	%	CELLULOSE 40 %
ANTHOPHYLLITE	%	FIBERGLASS %
CHRYSTOLITE	%	SYNTHETIC %
CROCIDOLITE	%	OTHER NON-ASBESTOS %
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS 40 %
OTHER ASBESTOS	%	
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS 60 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: F-1-GR-14*	RM: Phar. wlg OTHER:	MATERIAL TYPE: Floor Tile
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Homogenous		
COLOR: Off-White		
<u>METHOD OF ANALYSIS:</u> Solvent and EPA		
LAB SAMPLE NUMBER: 647 082394 11070		
<u>COMMENT:</u> *Bulk coded. Trans.sheet coded: S-1-GR-14		
<u>RESULTS</u>		
AMOSITE	%	CELLULOSE %
ANTHOPHYLLITE	%	FIBERGLASS %
CHRYSTOLITE	%	SYNTHETIC %
CROCIDOLITE	%	OTHER NON-ASBESTOS %
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS %
OTHER ASBESTOS	%	
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS 100 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: T-03B-BS-11	RM: Basement OTHER:	MATERIAL TYPE: Thermal Insulation
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Homogenous		
COLOR: White		
<u>METHOD OF ANALYSIS:</u> EPA		
LAB SAMPLE NUMBER: 647 082394 11071		
<u>COMMENT:</u>		
<u>RESULTS</u>		
AMOSITE	40 %	CELLULOSE %
ANTHOPHYLLITE	%	FIBERGLASS %
CHRYSTOLITE	5 %	SYNTHETIC %
CROCIDOLITE	%	OTHER NON-ASBESTOS %
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS %
OTHER ASBESTOS	%	
TOTAL ASBESTOS	45 %	TOTAL NON-FIBROUS MATERIALS 55 %

RECEIVED: 8/18/94

MICROSCOPIST:

DATE ANALYZED: 8/25/94

SUPERVISOR:

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-03B-BS-12  
BLDG: 03B  
FLR:  
CONTACT PERSON: G Cates  
RM: Basement  
OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11072

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	80 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	80 %	TOTAL NON-FIBROUS MATERIALS	20 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-2-1  
BLDG: 1  
FLR: 2  
CONTACT PERSON: G Cates  
RM:  
OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11073

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	20 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	60 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	20 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	60 %	TOTAL NON-FIBROUS MATERIALS	20 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-2-2  
BLDG: 1  
FLR: 2  
CONTACT PERSON: G Cates  
RM:  
OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11074

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	80 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	80 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	20 %

RECEIVED: 8/18/94

MICROSCOPIST: *Michael J. Hoffman*

DATE ANALYZED: 8/25/94

SUPERVISOR: *Vincent L. Lauer*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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**ST. LOUIS, MO 63125**

U.S. DEPARTMENT OF COMMERCE  
 NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
 NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
 FACILITY SAMPLE NO: T-1-2-3  
 BLDG:1 FLR:2 RM: OTHER: G Cates  
 CONTACT PERSON: G Cates  
 TELEPHONE: 700-276-8421  
 MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
 HOMOGENEITY: Homogenous  
 COLOR: White

METHOD OF ANALYSIS: EPA  
 LAB SAMPLE NUMBER: 647 082394 11075

COMMENT:

RESULTS

AMOSITE	40 %	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOITILE	20 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	60 %	TOTAL NON-FIBROUS MATERIALS	40 %

FACILITY: 647 JJPVAMC Poplar Bluff  
 FACILITY SAMPLE NO: T-1-2-4  
 BLDG:1 FLR:2 RM: OTHER: G Cates  
 CONTACT PERSON: G Cates  
 TELEPHONE: 700-276-8421  
 MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
 HOMOGENEITY: Non-Homogenous  
 COLOR: Gry/Blk

METHOD OF ANALYSIS: EPA  
 LAB SAMPLE NUMBER: 647 082394 11076

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	90 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOITILE	5 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	90 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	5 %	TOTAL NON-FIBROUS MATERIALS	5 %

FACILITY: 647 JJPVAMC Poplar Bluff  
 FACILITY SAMPLE NO: T-1-2-28  
 BLDG:1 FLR:2 RM: OTHER: G Cates  
 CONTACT PERSON: G Cates  
 TELEPHONE: 700-276-8421  
 MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
 HOMOGENEITY: Homogenous  
 COLOR: Grey

METHOD OF ANALYSIS: EPA  
 LAB SAMPLE NUMBER: 647 082394 11077

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	5 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOITILE	60 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	5 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	60 %	TOTAL NON-FIBROUS MATERIALS	35 %

RECEIVED: 8/18/94  
 MICROSCOPIST: *Michael J. J. J.*  
 DATE ANALYZED: 8/25/94  
 SUPERVISOR: *VINCE J. J.*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-GR-5	FLR:Gnd	RM:	OTHER:	
BLDG:1					
MATERIAL TYPE: Thermal Insulation					
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11078					
<u>RESULTS</u>					
AMOSITE					
ANTHOPHYLLITE					
CHRYSTOLITE					
CROCIDOLITE					
TREMOLITE/ACTINOLITE					
OTHER ASBESTOS					
TOTAL ASBESTOS					
TOTAL NON-FIBROUS MATERIALS 40 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-GR-6	FLR:Gnd	RM:	OTHER:	
BLDG:1					
MATERIAL TYPE: Thermal Insulation					
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11079					
<u>RESULTS</u>					
AMOSITE					
ANTHOPHYLLITE					
CHRYSTOLITE					
CROCIDOLITE					
TREMOLITE/ACTINOLITE					
OTHER ASBESTOS					
TOTAL ASBESTOS					
TOTAL NON-FIBROUS MATERIALS 20 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-GR-7	FLR:Gnd	RM:	OTHER:	
BLDG:1					
MATERIAL TYPE: Thermal Insulation					
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11080					
<u>RESULTS</u>					
AMOSITE					
ANTHOPHYLLITE					
CHRYSTOLITE					
CROCIDOLITE					
TREMOLITE/ACTINOLITE					
OTHER ASBESTOS					
TOTAL ASBESTOS					
TOTAL NON-FIBROUS MATERIALS 40 %					
COMMENT:					

RECEIVED: 8/18/94

MICROSCOPIST: *Michael J. [Signature]*  
DATE ANALYZED: 8/25/94

SUPERVISOR: *[Signature]*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-GR-8	FLR:Grnd	RM:	OTHER:	MATERIAL TYPE: Thermal Insulation
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11081					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE 60 %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 60 %					
TOTAL NON-FIBROUS MATERIALS 20 %					
COMMENT:					

FACILITY:	647 JPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-GR-9	FLR:Grnd	RM:	OTHER:	MATERIAL TYPE: Thermal Insulation
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11082					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 70 %					
COMMENT:					

FACILITY:	647 JPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-GR-10	FLR:Grnd	RM:	OTHER:	MATERIAL TYPE: Thermal Insulation
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11083					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE 60 %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 60 %					
TOTAL NON-FIBROUS MATERIALS 20 %					
COMMENT:					

RECEIVED:	8/18/94	MICROSCOPIST:	<i>Michael L. Lawrence</i>	SUPERVISOR:	<i>W. Cates</i>
		DATE ANALYZED:	8/25/94		

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)



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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-GR-11  
BLDG: 1  
FLR: Grnd  
RM: OTHER: G Cates  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Gry/Blk

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11084

RESULTS

AMOSITE	%	CELLULOSE	20 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	60 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	<b>TOTAL NON-ASBESTOS</b>	<b>20 %</b>
OTHER ASBESTOS	%		
<b>TOTAL ASBESTOS</b>	<b>60 %</b>	<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>20 %</b>

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-GR-12  
BLDG: 1  
FLR: Grnd  
RM: OTHER: G Cates  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Off-White

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11085

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	60 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	<b>TOTAL NON-ASBESTOS</b>	<b>60 %</b>
OTHER ASBESTOS	%		
<b>TOTAL ASBESTOS</b>	<b>%</b>	<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>40 %</b>

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-GR-13  
BLDG: 1  
FLR: Grnd  
RM: OTHER: G Cates  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11086

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	60 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	<b>TOTAL NON-ASBESTOS</b>	<b>%</b>
OTHER ASBESTOS	%		
<b>TOTAL ASBESTOS</b>	<b>60 %</b>	<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>40 %</b>

COMMENT:

RECEIVED: 8/18/94

MICROSCOPIST: *[Signature]*

DATE ANALYZED: 8/25/94

SUPERVISOR: *[Signature]*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)". EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-GR-14	FLR: Grnd	RM:	OTHER:	MATERIAL TYPE: Thermal Insulation
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Non-Homogenous					
COLOR: Brn/Gry					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11087					
COMMENT: Asbestos is in the gray layer.					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE 40 %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 40 %					
TOTAL NON-FIBROUS MATERIALS 60 %					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-GR-15	FLR: Grnd	RM:	OTHER:	MATERIAL TYPE: Thermal Insulation
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11088					
COMMENT:					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE 20 %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 20 %					
TOTAL NON-FIBROUS MATERIALS 60 %					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-3-1-019	FLR:	RM: Kitchen	OTHER:	MATERIAL TYPE: Floor Tile
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Non-Homogenous					
COLOR: Gry/Brn					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11089					
COMMENT: Sheet Flooring					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 40 %					

RECEIVED: 8/18/94	MICROSCOPIST: <i>Michael L. Harris</i>	SUPERVISOR: <i>Vince W. Harris</i>
DATE ANALYZED: 8/26/94		

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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VA MEDICAL CENTER (132/ASB)  
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NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-3-1-020T  
BLDG:3  
CONTACT PERSON: G Cates  
RM: Hallway  
FLR: OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Brown

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082394 11090

RESULTS

AMOSITE	%	CELLULOSE	2 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	2 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	98 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-3-1-020M  
BLDG:3  
CONTACT PERSON: G Cates  
RM: Hallway  
FLR: OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Mastic

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082394 11091

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	10 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	10 %	TOTAL NON-FIBROUS MATERIALS	90 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-3-1-021  
BLDG:3  
CONTACT PERSON: G Cates  
RM:  
FLR: OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11092

RESULTS

AMOSITE	%	CELLULOSE	5 %
ANTHOPHYLLITE	%	FIBERGLASS	80 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	85 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	15 %

COMMENT:

RECEIVED: 8/18/94  
MICROSCOPIST: Vince Miller  
DATE ANALYZED: 8/26/94

SUPERVISOR: Vince Miller

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1406

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff CONTACT PERSON: G Cates TELEPHONE: 700-276-8421  
FACILITY SAMPLE NO: F-3-1-022 RM: Bdrm ceil. OTHER: MATERIAL TYPE: Ceiling Tile  
BLDG:3 FLR: RESULTS  
AMOSITE % CELLULOSE 5 %  
ANTHOPHYLLITE % FIBERGLASS 80 %  
CHRYSTOLITE % SYNTHETIC %  
CROCIDOLITE % OTHER NON-ASBESTOS %  
TREMOLITE/ACTINOLITE % TOTAL NON-ASBESTOS 8.5 %  
OTHER ASBESTOS %  
TOTAL ASBESTOS % TOTAL NON-FIBROUS MATERIALS 15 %  
COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff CONTACT PERSON: G Cates TELEPHONE: 700-276-8421  
FACILITY SAMPLE NO: F-3-1-023 RM: hlwy clst OTHER: MATERIAL TYPE: Other(trwl)  
BLDG:3 FLR: RESULTS  
AMOSITE % CELLULOSE %  
ANTHOPHYLLITE % FIBERGLASS .5 %  
CHRYSTOLITE % SYNTHETIC %  
CROCIDOLITE % OTHER NON-ASBESTOS %  
TREMOLITE/ACTINOLITE % TOTAL NON-ASBESTOS .5 %  
OTHER ASBESTOS %  
TOTAL ASBESTOS % TOTAL NON-FIBROUS MATERIALS 99.5 %  
COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff CONTACT PERSON: G Cates TELEPHONE: 700-276-8421  
FACILITY SAMPLE NO: F-3-1-024 RM: Livgrm ceil. OTHER: MATERIAL TYPE: Other(trwl)  
BLDG:3 FLR: RESULTS  
AMOSITE % CELLULOSE 15 %  
ANTHOPHYLLITE % FIBERGLASS %  
CHRYSTOLITE % SYNTHETIC %  
CROCIDOLITE % OTHER NON-ASBESTOS %  
TREMOLITE/ACTINOLITE % TOTAL NON-ASBESTOS 15 %  
OTHER ASBESTOS %  
TOTAL ASBESTOS % TOTAL NON-FIBROUS MATERIALS 85 %  
COMMENT:

RECEIVED: 8/18/94 MICROSCOPIST: *Michael L. Harris* SUPERVISOR: *VINCE L. HARRIS*  
DATE ANALYZED: 8/26/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

**ASBESTOS ANALYSIS LAB**  
**VA MEDICAL CENTER (132/ASB)**  
**ST. LOUIS, MO 63125**

U.S. DEPARTMENT OF COMMERCE  
 NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
 NPLAP NO. 1406

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
 FACILITY SAMPLE NO: S-03B-1-25\*  
 BLDG: 3  
 FLR: RM: Closet ceil. OTHER: G Cates  
 CONTACT PERSON: G Cates  
 TELEPHONE: 700-276-8421  
 MATERIAL TYPE: Other(trwl)

SAMPLE DESCRIPTION:  
 HOMOGENEITY: Homogenous  
 COLOR: Off-White

METHOD OF ANALYSIS: EPA  
 LAB SAMPLE NUMBER: 647 082394 11096

COMMENT: \*Bulk coded. Custody sht coded: S-3-1-25

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
 FACILITY SAMPLE NO: S-03B-1-26\*  
 BLDG: 3  
 FLR: RM: bdrn OTHER: G Cates  
 CONTACT PERSON: G Cates  
 TELEPHONE: 700-276-8421  
 MATERIAL TYPE: Other(trwl)

SAMPLE DESCRIPTION:  
 HOMOGENEITY: Homogenous  
 COLOR: White

METHOD OF ANALYSIS: EPA  
 LAB SAMPLE NUMBER: 647 082394 11097

COMMENT: \*Bulk coded. Custody sht coded: S-3-1-26

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
 FACILITY SAMPLE NO: S-03B-1-27\*  
 BLDG: 3  
 FLR: RM: bdrn OTHER: G Cates  
 CONTACT PERSON: G Cates  
 TELEPHONE: 700-276-8421  
 MATERIAL TYPE: Other(trwl)

SAMPLE DESCRIPTION:  
 HOMOGENEITY: Homogenous  
 COLOR: Off-White

METHOD OF ANALYSIS: EPA  
 LAB SAMPLE NUMBER: 647 082394 11098

COMMENT: \*Bulk coded. Custody sht coded: S-3-1-27.

RESULTS

AMOSITE	%	CELLULOSE	10 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	10 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	90 %

RECEIVED: 8/18/94

MICROSCOPIST:

DATE ANALYZED: 8/26/94

SUPERVISOR:

*Michael L. Harris*  
 VINCE L. HARRIS

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-GR-15	FLR:	RM: Sup&Proc. OTHER:	MATERIAL TYPE: Ceiling Tile	
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11099					
<u>RESULTS</u>					
AMOSITE		%	CELLULOSE	20 %	
ANTHOPHYLLITE		%	FIBERGLASS	40 %	
CHRYSTOLITE		%	SYNTHETIC	%	
CROCIDOLITE		%	OTHER NON-ASBESTOS	%	
TREMOLITE/ACTINOLITE		%	TOTAL NON-ASBESTOS	60 %	
OTHER ASBESTOS		%			
TOTAL ASBESTOS		%	TOTAL NON-FIBROUS MATERIALS	40 %	
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-GR-16	FLR:	RM: Sup&Proc. OTHER:	MATERIAL TYPE: Other(drywall)	
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Off-White					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11100					
<u>RESULTS</u>					
AMOSITE		%	CELLULOSE	%	
ANTHOPHYLLITE		%	FIBERGLASS	%	
CHRYSTOLITE		%	SYNTHETIC	%	
CROCIDOLITE		%	OTHER NON-ASBESTOS	%	
TREMOLITE/ACTINOLITE		%	TOTAL NON-ASBESTOS	%	
OTHER ASBESTOS		%			
TOTAL ASBESTOS		%	TOTAL NON-FIBROUS MATERIALS	100 %	
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-GR-17	FLR:	RM: Sup&Proc. OTHER:	MATERIAL TYPE: Other(drywall)	
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Off-White					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11101					
<u>RESULTS</u>					
AMOSITE		%	CELLULOSE	%	
ANTHOPHYLLITE		%	FIBERGLASS	%	
CHRYSTOLITE		%	SYNTHETIC	%	
CROCIDOLITE		%	OTHER NON-ASBESTOS	%	
TREMOLITE/ACTINOLITE		%	TOTAL NON-ASBESTOS	%	
OTHER ASBESTOS		%			
TOTAL ASBESTOS		%	TOTAL NON-FIBROUS MATERIALS	100 %	
COMMENT:					

RECEIVED: 8/18/94 MICROSCOPIST: Michael L. Lofgren SUPERVISOR: VANCE  
DATE ANALYZED: 8/26/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-GR-18	FLR:	RM: Sup&Proc. OTHER:	MATERIAL TYPE: Other(drywall)	
SAMPLE DESCRIPTION:		RESULTS			
HOMOGENEITY: Homogenous		AMOSITE %			
COLOR: Off-White		ANTHOPHYLLITE %			
		CHRYSTOLITE %			
		CROCIDOLITE %			
METHOD OF ANALYSIS: EPA		TREMOLITE/ACTINOLITE %			
LAB SAMPLE NUMBER: 647 082394 11102		OTHER ASBESTOS %			
COMMENT:		TOTAL ASBESTOS %			
		TOTAL NON-FIBROUS MATERIALS 100 %			

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-1-GR-19	FLR:	RM: Hwy floor OTHER:	MATERIAL TYPE: Floor Tile	
SAMPLE DESCRIPTION:		RESULTS			
HOMOGENEITY: Homogenous		AMOSITE %			
COLOR: Black		ANTHOPHYLLITE %			
		CHRYSTOLITE %			
		CROCIDOLITE %			
METHOD OF ANALYSIS: Solvent and EPA		TREMOLITE/ACTINOLITE %			
LAB SAMPLE NUMBER: 647 082394 11103		OTHER ASBESTOS %			
COMMENT:		TOTAL ASBESTOS %			
		TOTAL NON-FIBROUS MATERIALS 100 %			

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-1-GR-20T	FLR:	RM: Hwy floor OTHER:	MATERIAL TYPE: Floor Tile	
SAMPLE DESCRIPTION:		RESULTS			
HOMOGENEITY: Homogenous		AMOSITE %			
COLOR: Off-White		ANTHOPHYLLITE %			
		CHRYSTOLITE %			
		CROCIDOLITE %			
METHOD OF ANALYSIS: Solvent and EPA		TREMOLITE/ACTINOLITE %			
LAB SAMPLE NUMBER: 647 082394 11104		OTHER ASBESTOS %			
COMMENT:		TOTAL ASBESTOS %			
		TOTAL NON-FIBROUS MATERIALS 100 %			

RECEIVED: 8/18/94 MICROSCOPIST: *Michael L. Harris* SUPERVISOR: *Michael L. Harris*  
DATE ANALYZED: 8/26/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (5/94)

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

## BULK ASBESTOS ASSESSMENT RECORD

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: F-1-GR-20M	RM: Hwy floor OTHER:	MATERIAL TYPE: Mastic
BLDG: 1	FLR:	
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Homogenous	AMOSITE	% CELLULOSE
COLOR: Black	ANTHOPHYLLITE	% FIBERGLASS
	CHRYCOTILE	10 % SYNTHETIC
METHOD OF ANALYSIS: Solvent and EPA	CROCIDOLITE	% OTHER NON-ASBESTOS
LAB SAMPLE NUMBER: 647 082394 11105	TREMOLITE/ACTINOLITE	% TOTAL NON-ASBESTOS
COMMENT:	OTHER ASBESTOS	%
	TOTAL ASBESTOS	10 %
	TOTAL NON-FIBROUS MATERIALS	90 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: F-1-GR-21T	RM: Hwy floor OTHER:	MATERIAL TYPE: Floor Tile
BLDG: 1	FLR:	
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Homogenous	AMOSITE	% CELLULOSE
COLOR: Black	ANTHOPHYLLITE	% FIBERGLASS
	CHRYCOTILE	% SYNTHETIC
METHOD OF ANALYSIS: Solvent and EPA	CROCIDOLITE	% OTHER NON-ASBESTOS
LAB SAMPLE NUMBER: 647 082394 11106	TREMOLITE/ACTINOLITE	% TOTAL NON-ASBESTOS
COMMENT:	OTHER ASBESTOS	%
	TOTAL ASBESTOS	%
	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: F-1-GR-21M	RM: Hwy floor OTHER:	MATERIAL TYPE: Mastic
BLDG: 1	FLR:	
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY:	AMOSITE	% CELLULOSE
COLOR:	ANTHOPHYLLITE	% FIBERGLASS
	CHRYCOTILE	% SYNTHETIC
METHOD OF ANALYSIS:	CROCIDOLITE	% OTHER NON-ASBESTOS
LAB SAMPLE NUMBER: 647 082394 11107	TREMOLITE/ACTINOLITE	% TOTAL NON-ASBESTOS
COMMENT: Insufficient sample	OTHER ASBESTOS	%
	TOTAL ASBESTOS	%
	TOTAL NON-FIBROUS MATERIALS	%

RECEIVED: 8/18/94

MICROSCOPIST: *Michael L. Harris*

SUPERVISOR: *Vince Miller*

DATE ANALYZED: 8/26/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)



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VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-GR-22T  
BLDG: 1  
FLR: RM: Hwy floor OTHER: CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Off-White

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082394 11108

COMMENT:

RESULTS	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSOTILE	%
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
TOTAL ASBESTOS	%
TOTAL NON-FIBROUS MATERIALS	99 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-GR-22M  
BLDG: 1  
FLR: RM: Hwy floor OTHER: CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Mastic

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082394 11109

COMMENT:

RESULTS	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSOTILE	10 %
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
TOTAL ASBESTOS	10 %
TOTAL NON-FIBROUS MATERIALS	90 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-GR-23T  
BLDG: 1  
FLR: RM: Hwy floor OTHER: CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082394 11110

COMMENT:

RESULTS	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSOTILE	%
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
TOTAL ASBESTOS	%
TOTAL NON-FIBROUS MATERIALS	99.5 %

RECEIVED: 8/18/94  
MICROSCOPIST: *Michael J. Morris*  
DATE ANALYZED: 8/26/94

PERFORMED IN THE ABSENCE OF  
SUPERVISOR: *Vince Brown*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-1-GR-23M	FLR:	RM: Hwy floor OTHER:	MATERIAL TYPE: Mastic	
SAMPLE DESCRIPTION:		<b>RESULTS</b>			
HOMOGENEITY:		AMOSITE %			
COLOR:		ANTHOPHYLLITE %			
		CHRYSOTILE %			
		CROCIDOLITE %			
METHOD OF ANALYSIS:		TREMOLITE/ACTINOLITE %			
LAB SAMPLE NUMBER: 647 082394 1111		OTHER ASBESTOS %			
COMMENT: Insufficient sample		TOTAL ASBESTOS %			
		TOTAL NON-FIBROUS MATERIALS %			

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-1-GR-24T	FLR:	RM: Hwy floor OTHER:	MATERIAL TYPE: Floor Tile	
SAMPLE DESCRIPTION:		<b>RESULTS</b>			
HOMOGENEITY: Homogenous		AMOSITE %			
COLOR: Off-White		ANTHOPHYLLITE %			
		CHRYSOTILE 2 %			
		CROCIDOLITE %			
METHOD OF ANALYSIS: Solvent and EPA		TREMOLITE/ACTINOLITE %			
LAB SAMPLE NUMBER: 647 082394 11112		OTHER ASBESTOS %			
COMMENT:		TOTAL ASBESTOS 2 %			
		TOTAL NON-FIBROUS MATERIALS 98 %			

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-1-GR-24M	FLR:	RM: Hwy floor OTHER:	MATERIAL TYPE: Mastic	
SAMPLE DESCRIPTION:		<b>RESULTS</b>			
HOMOGENEITY: Homogenous		AMOSITE %			
COLOR: Black		ANTHOPHYLLITE %			
		CHRYSOTILE 10 %			
		CROCIDOLITE %			
METHOD OF ANALYSIS: Solvent and EPA		TREMOLITE/ACTINOLITE %			
LAB SAMPLE NUMBER: 647 082394 11113		OTHER ASBESTOS %			
COMMENT:		TOTAL ASBESTOS 10 %			
		TOTAL NON-FIBROUS MATERIALS 90 %			

RECEIVED: 8/18/94 MICROSCOPIST: *Michael J. [Signature]*  
DATE ANALYZED: 8/26/94 SUPERVISOR: *VINCE [Signature]*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-GR-25T  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: Hwy floor  
OTHER: 100 %  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082394 11114

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-GR-25M  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: Hwy floor  
OTHER: 10 %  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Mastic

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082394 11115

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	10 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	10 %	TOTAL NON-FIBROUS MATERIALS	90 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-GR-26T  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: Hwy floor  
OTHER: 100 %  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082394 11116

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

RECEIVED: 8/18/94

MICROSCOPIST: *[Signature]*

DATE ANALYZED: 8/26/94

SUPERVISOR: *[Signature]*

FORWARDED BY THE ASBESTOS LAB

VOICE MAIL

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1465

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-GR-26M  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: Hwy floor  
OTHER: 10 %  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Mastic

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black  
METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082394 11117

RESULTS  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSOITILE 10 %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS 10 %  
TOTAL NON-FIBROUS MATERIALS 90 %

COMMENT:

FACILITY: 647 JPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-GR-27T  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: Hwy floor  
OTHER: 10 %  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082394 11118

RESULTS  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSOITILE %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS 10 %  
TOTAL NON-FIBROUS MATERIALS 100 %

COMMENT:

FACILITY: 647 JPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-GR-27M  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: Hwy floor  
OTHER: 5 %  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Mastic

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black  
METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082394 11119

RESULTS  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSOITILE 5 %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS 5 %  
TOTAL NON-FIBROUS MATERIALS 90 %

COMMENT:

FOR USE IN THE ASBESTOS

RECEIVED: 8/18/94

MICROSCOPIST: *Michael L. Morris*  
DATE ANALYZED: 8/26/94

SUPERVISOR: *Wanda Baker*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-GR-28T  
BLDG:1  
FLR:  
CONTACT PERSON: G Cates  
RM: Hwy floor  
OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082394 11120

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-GR-28M  
BLDG:1  
FLR:  
CONTACT PERSON: G Cates  
RM: Hwy floor  
OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Mastic

SAMPLE DESCRIPTION:  
HOMOGENEITY:  
COLOR:

METHOD OF ANALYSIS:  
LAB SAMPLE NUMBER: 647 082394 11121

COMMENT: Insufficient sample

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	%

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-GR-29T  
BLDG:1  
FLR:  
CONTACT PERSON: G Cates  
RM: Hwy floor  
OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082394 11122

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

COMMENT:

RECEIVED: 8/18/94

MICROSCOPIST:

DATE ANALYZED: 8/26/94

FOUNDED IN THE AGENCY OF

SUPERVISOR:

YOUNG J. JONES

5/11/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

## BULK ASBESTOS ASSESSMENT RECORD

FACILITY:	647 JJPVAMC Poplar Bluff	BLDG:1	FLR:	RM: Hlwy floor	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-1-GR-29M				OTHER:		MATERIAL TYPE:	Mastic
<u>SAMPLE DESCRIPTION:</u>								
HOMOGENEITY: Homogenous								
COLOR: Black								
METHOD OF ANALYSIS: Solvent and EPA								
LAB SAMPLE NUMBER: 647 082394 11123								
COMMENT:								
<u>RESULTS</u>								
				AMOSITE	%	CELLULOSE	%	
				ANTHOPHYLLITE	%	FIBERGLASS	%	
				CHRYSOITILE	10 %	SYNTHETIC	%	
				CROCIDOLITE	%	OTHER NON-ASBESTOS	%	
				TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%	
				OTHER ASBESTOS	%			
				TOTAL ASBESTOS	10 %	TOTAL NON-FIBROUS MATERIALS	90 %	

FACILITY:	647 JJPVAMC Poplar Bluff	BLDG: 1	FLR:	CONTACT PERSON:	G	Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-1-GR-30T			RM:	Hwy floor	OTHER:	MATERIAL TYPE:	Floor Tile
<u>SAMPLE DESCRIPTION:</u>								
HOMOGENEITY: Homogenous								
COLOR: Grey								
METHOD OF ANALYSIS: Solvent and EPA								
LAB SAMPLE NUMBER: 647 082394 11124								
COMMENT:								
<u>RESULTS</u>								
AMOSITE				%	CELLULOSE	%		
ANTHOPHYLLITE				%	FIBERGLASS	%		
CHRYSOTILE				%	SYNTHETIC	%		
CROCIDOLITE				%	OTHER NON-ASBESTOS	%		
TREMOLITE/ACTINOLITE				%	TOTAL NON-ASBESTOS	%		
OTHER ASBESTOS				%				
TOTAL ASBESTOS				%	TOTAL NON-FIBROUS MATERIALS	100 %		

FACILITY:	647 JUPVAMC Poplar Bluff	BLDG:1	FLR:	CONTACT PERSON:	G	Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-1-GR-30M			RM:	Hlwy floor	OTHER:	MATERIAL TYPE:	Mastic
<u>SAMPLE DESCRIPTION:</u>								
HOMOGENEITY:		Homogenous						
COLOR:		Black						
METHOD OF ANALYSIS:		Solvent and EPA						
LAB SAMPLE NUMBER:		647 082394 11125						
<u>RESULTS</u>								
AMOSITE								%
ANTHOPHYLLITE								%
CHRYSOPILE				10 %				%
CROCIDOLITE								%
TREMOLITE/ACTINOLITE								%
OTHER ASBESTOS								%
TOTAL ASBESTOS				10 %				%
TOTAL NON-FIBROUS MATERIALS								%
COMMENT:								

RECEIVED: 8/18/94

MICROSCOPIST: *Or Michael LeFevre*

SUPERVISOR: \_\_\_\_\_

FOR AND IN THE ABSENCE OF \_\_\_\_\_

**Winnipeg**

**NOTE:** Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

**ACCREDITATION:**

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6994)

ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

ACCREDITATION:

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-GR-32M  
BLDG: 1  
FLR: RM: Hwy floor  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Mastic

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082394 11129

COMMENT:

RESULTS	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSTOLITE	10 %
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
TOTAL ASBESTOS	10 %
TOTAL NON-FIBROUS MATERIALS	90 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-GR-33T  
BLDG: 1  
FLR: RM: Hwy floor  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082394 11130

COMMENT:

RESULTS	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSTOLITE	%
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
TOTAL ASBESTOS	%
TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-GR-33M  
BLDG: 1  
FLR: RM: Hwy floor  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Mastic

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082394 11131

COMMENT:

RESULTS	
AMOSITE	5 %
ANTHOPHYLLITE	%
CHRYSTOLITE	%
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	5 %
OTHER ASBESTOS	%
TOTAL ASBESTOS	%
TOTAL NON-FIBROUS MATERIALS	95 %

RECEIVED: 8/18/94

MICROSCOPIST:

DATE ANALYZED: 8/26/94

FOR AND IN THE ABSENCE OF

SUPERVISOR:

WILLIAM J. JONES

9/14

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)



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VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-GR-34	FLR:	RM: Hwy cell. OTHER:	MATERIAL TYPE: Ceiling Tile	
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11132					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE 20 %					
CHRYSOTILE 40 %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 60 %					
TOTAL NON-FIBROUS MATERIALS 40 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-GR-35	FLR:	RM: Hwy cell. OTHER:	MATERIAL TYPE: Ceiling Tile	
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11133					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE 60 %					
CHRYSOTILE 20 %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 80 %					
TOTAL NON-FIBROUS MATERIALS 20 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-GR-36	FLR:	RM: Hwy cell. OTHER:	MATERIAL TYPE: Ceiling Tile	
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11134					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE 40 %					
CHRYSOTILE 20 %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 60 %					
TOTAL NON-FIBROUS MATERIALS 40 %					
COMMENT:					

RECEIVED: 8/18/94	MICROSCOPIST: <i>Michael J. Lawrence</i>	DATE ANALYZED: 8/26/94
SUPERVISOR: <i>Y. J. J. J.</i>		

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

**ACCREDITATION:**

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ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-GR-57M  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 81  
OTHER: 10 %  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Mastic

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082394 11138

COMMENT:

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	10 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	10 %	TOTAL NON-FIBROUS MATERIALS	90 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-GR-58T  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 77  
OTHER: 10 %  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082394 11139

COMMENT:

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	10 %	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-GR-58M  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 77  
OTHER: 5 %  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Mastic

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082394 11140

COMMENT:

AMOSITE	%	CELLULOSE	5 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	5 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	5 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	5 %	TOTAL NON-FIBROUS MATERIALS	90 %

RECEIVED: 8/18/94  
MICROSCOPIST: *Orlando J. Martinez*  
DATE ANALYZED: 8/26/94  
SUPERVISOR: *Vince J. J. J.*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-GR-59	FLR:	RM: 68	OTHER:	MATERIAL TYPE: Ceiling Tile
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11141					
<u>RESULTS</u>					
AMOSITE % CELLULOSE %					
ANTHOPHYLLITE % FIBERGLASS %					
CHRYSTOLITE % SYNTHETIC %					
CROCIDOLITE % OTHER NON-ASBESTOS %					
TREMOLITE/ACTINOLITE % TOTAL NON-ASBESTOS %					
OTHER ASBESTOS %					
TOTAL ASBESTOS % TOTAL NON-FIBROUS MATERIALS 100 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-GR-60	FLR:	RM: 30	OTHER:	MATERIAL TYPE: Other (drywall)
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: White					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11142					
<u>RESULTS</u>					
AMOSITE % CELLULOSE 20 %					
ANTHOPHYLLITE % FIBERGLASS %					
CHRYSTOLITE % SYNTHETIC %					
CROCIDOLITE % OTHER NON-ASBESTOS %					
TREMOLITE/ACTINOLITE % TOTAL NON-ASBESTOS 20 %					
OTHER ASBESTOS %					
TOTAL ASBESTOS % TOTAL NON-FIBROUS MATERIALS 80 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-GR-61	FLR:	RM: 45	OTHER:	MATERIAL TYPE: Other (drywall)
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Non-Homogenous					
COLOR: Wh/Brn					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11143					
<u>RESULTS</u>					
AMOSITE % CELLULOSE 20 %					
ANTHOPHYLLITE % FIBERGLASS %					
CHRYSTOLITE % SYNTHETIC %					
CROCIDOLITE % OTHER NON-ASBESTOS %					
TREMOLITE/ACTINOLITE % TOTAL NON-ASBESTOS 20 %					
OTHER ASBESTOS %					
TOTAL ASBESTOS % TOTAL NON-FIBROUS MATERIALS 80 %					
COMMENT:					

FORWARDED TO THE ASBESTOS ANALYSIS LAB

MICROSCOPIST: *Michael L. Harris*

RECEIVED: 8/18/94

DATE ANALYZED: 8/26/94

SUPERVISOR: *gjh*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-GR-62	FLR:	RM: 60/Ldry	OTHER:	MATERIAL TYPE: Ceiling Tile
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Non-Homogenous					
COLOR: Wh/Brn					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082594 11164					
<u>RESULTS</u>					
AMOSITE					
ANTHOPHYLLITE					
CHRYSOTILE					
CROCIDOLITE					
TREMOLITE/ACTINOLITE					
OTHER ASBESTOS					
TOTAL ASBESTOS					
TOTAL NON-FIBROUS MATERIALS 60 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-1-GR-63	FLR:	RM: 62/Laundry	OTHER:	MATERIAL TYPE: Floor Tile
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Off-White					
METHOD OF ANALYSIS: Solvent and EPA					
LAB SAMPLE NUMBER: 647 082594 11165					
<u>RESULTS</u>					
AMOSITE					
ANTHOPHYLLITE					
CHRYSOTILE					
CROCIDOLITE					
TREMOLITE/ACTINOLITE					
OTHER ASBESTOS					
TOTAL ASBESTOS					
TOTAL NON-FIBROUS MATERIALS 100 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-1-GR-64	FLR:	RM: 65/Laundry	OTHER:	MATERIAL TYPE: Floor Tile
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Off-White					
METHOD OF ANALYSIS: Solvent and EPA					
LAB SAMPLE NUMBER: 647 082594 11166					
<u>RESULTS</u>					
AMOSITE					
ANTHOPHYLLITE					
CHRYSOTILE					
CROCIDOLITE					
TREMOLITE/ACTINOLITE					
OTHER ASBESTOS					
TOTAL ASBESTOS					
TOTAL NON-FIBROUS MATERIALS 100 %					
COMMENT:					

RECEIVED:	8/18/94	MICROSCOPIST:	Michael L. Harris	IN THE ABSENCE OF	VINCE LAMARCA
DATE ANALYZED:	8/29/94	SUPERVISOR:			

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-GR-65  
BLDG:1  
FLR:  
CONTACT PERSON: G Cates  
RM: 60/Ldry  
OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Br/Wh

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11167

COMMENT:

RESULTS	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSTOLITE	%
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
TOTAL ASBESTOS	%
CELLULOSE	40 %
FIBERGLASS	2 %
SYNTHETIC	%
OTHER NON-ASBESTOS	%
TOTAL NON-ASBESTOS	42 %
TOTAL NON-FIBROUS MATERIALS	58 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-GR-66  
BLDG:1  
FLR:  
CONTACT PERSON: G Cates  
RM: 60/Laundry  
OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Green

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082594 11168

COMMENT:

RESULTS	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSTOLITE	%
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
TOTAL ASBESTOS	%
CELLULOSE	%
FIBERGLASS	%
SYNTHETIC	%
OTHER NON-ASBESTOS	%
TOTAL NON-ASBESTOS	%
TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-GR-67  
BLDG:1  
FLR:  
CONTACT PERSON: G Cates  
RM: 60/Ldry  
OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Wh/Brn

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11169

COMMENT:

RESULTS	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSTOLITE	%
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
TOTAL ASBESTOS	%
CELLULOSE	40 %
FIBERGLASS	%
SYNTHETIC	%
OTHER NON-ASBESTOS	%
TOTAL NON-ASBESTOS	40 %
TOTAL NON-FIBROUS MATERIALS	60 %

RECEIVED: 8/18/94  
MICROSCOPIST: *Michael L. Lawrence*  
DATE ANALYZED: 8/29/94  
SUPERVISOR: *John*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)". EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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 NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
 FACILITY SAMPLE NO: S-1-RF-68  
 BLDG: 1  
 CONTACT PERSON: G Cates  
 RM: Roof top  
 OTHER: OTHER:   
 TELEPHONE: 700-276-8421  
 MATERIAL TYPE: Roofing(patch)

SAMPLE DESCRIPTION:  
 HOMOGENEITY: Homogenous  
 COLOR: Black

METHOD OF ANALYSIS: Ashing and EPA  
 LAB SAMPLE NUMBER: 647 082594 11170

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
 FACILITY SAMPLE NO: S-1-RF-69  
 BLDG: 1  
 CONTACT PERSON: G Cates  
 RM: Roof top  
 OTHER: OTHER:   
 TELEPHONE: 700-276-8421  
 MATERIAL TYPE: Roofing

SAMPLE DESCRIPTION:  
 HOMOGENEITY: Homogenous  
 COLOR: Black

METHOD OF ANALYSIS: Ashing and EPA  
 LAB SAMPLE NUMBER: 647 082594 11171

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
 FACILITY SAMPLE NO: S-1-RF-70  
 BLDG: 1  
 CONTACT PERSON: G Cates  
 RM: Roof top  
 OTHER: OTHER:   
 TELEPHONE: 700-276-8421  
 MATERIAL TYPE: Roofing

SAMPLE DESCRIPTION:  
 HOMOGENEITY: Homogenous  
 COLOR: Black

METHOD OF ANALYSIS: Ashing and EPA  
 LAB SAMPLE NUMBER: 647 082594 11172

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

RECEIVED: 8/18/94  
 MICROSCOPIST: *Michael L. Harris*  
 DATE ANALYZED: 8/29/94

FUR AND IN THE ASBESTOS OF  
 SUPERVISOR: *YOUNG L. MOORE*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: S-1-RF-74	FLR: RM: Roof top OTHER:	MATERIAL TYPE: Roofing
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Homogenous	RESULTS	
COLOR: Black	AMOSITE	%
	ANTHOPHYLLITE	%
	CHRYSOTILE	%
	CROCIDOLITE	%
METHOD OF ANALYSIS: Ashing and EPA	TREMOLITE/ACTINOLITE	%
LAB SAMPLE NUMBER: 647 082594 11173	OTHER ASBESTOS	%
COMMENT:	TOTAL ASBESTOS	%
	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: S-1-RF-75	FLR: RM: Roof top OTHER:	MATERIAL TYPE: Roofing
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Homogenous	RESULTS	
COLOR: Black	AMOSITE	%
	ANTHOPHYLLITE	%
	CHRYSOTILE	%
	CROCIDOLITE	%
METHOD OF ANALYSIS: Ashing and EPA	TREMOLITE/ACTINOLITE	%
LAB SAMPLE NUMBER: 647 082594 11174	OTHER ASBESTOS	%
COMMENT:	TOTAL ASBESTOS	%
	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: S-1-RF-76	FLR: RM: Roof top OTHER:	MATERIAL TYPE: Roofing
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Homogenous	RESULTS	
COLOR: Black	AMOSITE	%
	ANTHOPHYLLITE	%
	CHRYSOTILE	40 %
	CROCIDOLITE	%
METHOD OF ANALYSIS: EPA	TREMOLITE/ACTINOLITE	%
LAB SAMPLE NUMBER: 647 082594 11175	OTHER ASBESTOS	%
COMMENT:	TOTAL ASBESTOS	40 %
	TOTAL NON-FIBROUS MATERIALS	60 %

RECEIVED: 8/18/94 MICROSCOPIST: *Michael L. Harris* SUPERVISOR: *YINKE LUCORY*  
DATE ANALYZED: 8/29/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)



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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff CONTACT PERSON: G Cates TELEPHONE: 700-276-8421  
FACILITY SAMPLE NO: S-1-RF-77 BLDG:1 FLR: RM: Roof top OTHER: MATERIAL TYPE: Roofing

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Brown

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082594 11176

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	40 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	40 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	<b>TOTAL NON-ASBESTOS</b>	<b>40 %</b>
OTHER ASBESTOS	%	<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>20 %</b>
<b>TOTAL ASBESTOS</b>	<b>40 %</b>		

FACILITY: 647 JJPVAMC Poplar Bluff CONTACT PERSON: G Cates TELEPHONE: 700-276-8421  
FACILITY SAMPLE NO: S-1-1-78 BLDG:1 FLR: RM: Roof top OTHER: MATERIAL TYPE: Other(fbr bd tile)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Off-White

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11177

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	80 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	<b>TOTAL NON-ASBESTOS</b>	<b>80 %</b>
OTHER ASBESTOS	%	<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>20 %</b>
<b>TOTAL ASBESTOS</b>	<b>%</b>		

FACILITY: 647 JJPVAMC Poplar Bluff CONTACT PERSON: G Cates TELEPHONE: 700-276-8421  
FACILITY SAMPLE NO: F-1-1-79 BLDG:1 FLR: RM: 1112/closet OTHER: MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082594 11178

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	<b>TOTAL NON-ASBESTOS</b>	<b>%</b>
OTHER ASBESTOS	%	<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>100 %</b>
<b>TOTAL ASBESTOS</b>	<b>%</b>		

RECEIVED: 8/18/94 MICROSCOPIST: *Michael L. Harris* SUPERVISOR: *Donna L. Harris*  
DATE ANALYZED: 8/29/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-1-83  
BLDG: 1 FLR: RM: 1129 CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other (drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Wh/Gry

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11179

RESULTS

AMOSITE	%	CELLULOSE	40 %
ANTHOPHYLLITE	%	FIBERGLASS	2 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	42 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	58 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-1-84  
BLDG: 1 FLR: RM: 1115 CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other (drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Wh/Gry

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11180

RESULTS

AMOSITE	%	CELLULOSE	40 %
ANTHOPHYLLITE	%	FIBERGLASS	2 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	42 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	58 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-1-85  
BLDG: 1 FLR: RM: Hallway CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11181

RESULTS

AMOSITE	%	CELLULOSE	40 %
ANTHOPHYLLITE	%	FIBERGLASS	40 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	80 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	20 %

COMMENT:

TESTED IN THE PRESENCE OF

SUPERVISOR: *YANCEY*

RECEIVED: 8/18/94  
MICROSCOPIST: *Michael L. Lofgren*  
DATE ANALYZED: 8/29/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NVLAP NO. 1405

**ACCREDITATION:**

# BULK ASBESTOS ASSESSMENT RECORD

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: S-1-1-86	FLR: RM: Hallway OTHER:	MATERIAL TYPE: Ceiling Tile
BLDG: 1		
<u>RESULTS</u>		
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Homogenous		
COLOR: Grey		
METHOD OF ANALYSIS: EPA		
LAB SAMPLE NUMBER: 647 082594 11182		
COMMENT:		
	AMOSITE	%
	ANTHOPHYLLITE	%
	CHRYSOITILE	%
	CROCIDOLITE	%
	TREMOLITE/ACTINOLITE	%
	OTHER ASBESTOS	%
	TOTAL ASBESTOS	%
	CELLULOSE	40 %
	FIBERGLASS	40 %
	SYNTHETIC	%
	OTHER NON-ASBESTOS	%
	TOTAL NON-ASBESTOS	80 %
	TOTAL NON-FIBROUS MATERIALS	20 %

FACILITY:	647 JJPVAMC Poplar Bluff	BLDG:1	FLR:	CONTACT PERSON:	G	Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-1-87			RM:	Halfway		MATERIAL TYPE:	Ceiling Tile
<u>SAMPLE DESCRIPTION:</u>								
HOMOGENEITY: Homogenous								
COLOR: Grey								
METHOD OF ANALYSIS: EPA								
LAB SAMPLE NUMBER: 647 082594 11183								
COMMENT:								
<u>RESULTS</u>								
AMOSITE								
ANTHOPHYLLITE								
CHRYSOTILE								
CROCIDOLITE								
TREMOLITE/ACTINOLITE								
OTHER ASBESTOS								
TOTAL ASBESTOS								
%								
TOTAL NON-FIBROUS MATERIALS								
20 %								

FACILITY:	647 JJPVAMC Poplar Bluff	BLDG:1	FLR:	RM: Hallway	CONTACT PERSON:	G	Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO:	S-1-1-88				OTHER:			MATERIAL TYPE: Ceiling Tile
<u>SAMPLE DESCRIPTION:</u>								
HOMOGENEITY: Homogenous								
COLOR: Grey								
METHOD OF ANALYSIS: EPA								
LAB SAMPLE NUMBER: 647 082594 11184								
COMMENT:								
<u>RESULTS</u>								
AMOSITE								
ANTHOPHYLLITE								
CHRYSOITILE								
CROCIDOLITE								
TREMOLITE/ACTINOLITE								
OTHER ASBESTOS								
TOTAL ASBESTOS								
TOTAL NON-FIBROUS MATERIALS								
20 %								

IN THE MESSAGE OF

Michael L. Horvath

RECEIVED: 8/18/94

MICROSCOPIST: WBC  
DATE ANALYZED: 8/29/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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 NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
 FACILITY SAMPLE NO: S-4-BS-1  
 BLDG: 4  
 FLR:  
 CONTACT PERSON: G Cates  
 RM: Closet  
 OTHER:  
 TELEPHONE: 700-276-8421  
 MATERIAL TYPE: Other(drywall)

SAMPLE DESCRIPTION:  
 HOMOGENEITY: Homogenous  
 COLOR: White  
 METHOD OF ANALYSIS: EPA  
 LAB SAMPLE NUMBER: 647 082594 11185

RESULTS

	%
AMOSITE	2 %
ANTHOPHYLLITE	1 %
CHRYSTOLITE	%
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	3 %
OTHER ASBESTOS	%
<b>TOTAL ASBESTOS</b>	<b>%</b>
<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>97 %</b>

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
 FACILITY SAMPLE NO: F-4-1-2  
 BLDG: 4  
 FLR:  
 CONTACT PERSON: G Cates  
 RM: Prsnl Ofcr  
 OTHER:  
 TELEPHONE: 700-276-8421  
 MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
 HOMOGENEITY: Homogenous  
 COLOR: Brown  
 METHOD OF ANALYSIS: Solvent and EPA  
 LAB SAMPLE NUMBER: 647 082594 11186

RESULTS

	%
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSTOLITE	2 %
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
<b>TOTAL ASBESTOS</b>	<b>2 %</b>
<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>98 %</b>

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
 FACILITY SAMPLE NO: F-4-1-3  
 BLDG: 4  
 FLR:  
 CONTACT PERSON: G Cates  
 RM: Kitchen  
 OTHER:  
 TELEPHONE: 700-276-8421  
 MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
 HOMOGENEITY: Homogenous  
 COLOR: Black  
 METHOD OF ANALYSIS: Solvent and EPA  
 LAB SAMPLE NUMBER: 647 082594 11187

RESULTS

	%
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSTOLITE	15 %
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
<b>TOTAL ASBESTOS</b>	<b>15 %</b>
<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>85 %</b>

COMMENT:

*Michael L. Lafferty*

FOR THE ASBESTOS

VINCE LACROIX

SUPERVISOR:

RECEIVED: 8/18/94  
 MICROSCOPIST:  
 DATE ANALYZED: 8/29/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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 NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JPVAMC Poplar Bluff  
 FACILITY SAMPLE NO: F-4-1-4(T) BLDG: 4 FLR: RM: Kitchen OTHER: G Cates  
 TELEPHONE: 700-276-8421  
 MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
 HOMOGENEITY: Homogenous  
 COLOR: Green

METHOD OF ANALYSIS: Solvent and EPA  
 LAB SAMPLE NUMBER: 647 082594 11188

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOITILE	15 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	15 %	TOTAL NON-FIBROUS MATERIALS	85 %

COMMENT:

FACILITY: 647 JPVAMC Poplar Bluff  
 FACILITY SAMPLE NO: S-4-1-4(M) BLDG: 4 FLR: RM: Kitchen OTHER: G Cates  
 TELEPHONE: 700-276-8421  
 MATERIAL TYPE: Mastie

SAMPLE DESCRIPTION:  
 HOMOGENEITY: Homogenous  
 COLOR: Black

METHOD OF ANALYSIS: Solvent and EPA  
 LAB SAMPLE NUMBER: 647 082594 11189

RESULTS

AMOSITE	%	CELLULOSE	5 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOITILE	5 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	5 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	5 %	TOTAL NON-FIBROUS MATERIALS	90 %

COMMENT:

FACILITY: 647 JPVAMC Poplar Bluff  
 FACILITY SAMPLE NO: S-4-1-5 BLDG: 4 FLR: RM: Hwy closet OTHER: G Cates  
 TELEPHONE: 700-276-8421  
 MATERIAL TYPE: Other(drywall)

SAMPLE DESCRIPTION:  
 HOMOGENEITY: Non-Homogenous  
 COLOR: Wh/Gry

METHOD OF ANALYSIS: EPA  
 LAB SAMPLE NUMBER: 647 082594 11190

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOITILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

COMMENT:

RECEIVED: 8/18/94 MICROSCOPIST: Michael L. Harris SUPERVISOR: Wanda L. Harris  
 DATE ANALYZED: 8/29/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)" EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

**ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125**

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-4-1-6  
BLDG: 4  
FLR: 4  
CONTACT PERSON: G Cates  
RM: 1004  
OTHER: 1004  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other(drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11191

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-4-1-7  
BLDG: 4  
FLR: 4  
CONTACT PERSON: G Cates  
RM: Hlwy closet  
OTHER: 1004  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other(drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Off-White

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11192

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	.5 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	.5 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	99.5 %

FACILITY: 647 JPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-4-1-8  
BLDG: 4  
FLR: 4  
CONTACT PERSON: G Cates  
RM: 1005/bath  
OTHER: 1004  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other(drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11193

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

RECEIVED: 8/18/94

MICROSCOPIST: *Michael L. Gervais*

DATE ANALYZED: 8/29/94

SUPERVISOR: *W. J. J. J.*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-4-1-9(T)  
BLDG: 4  
FLR: 4  
CONTACT PERSON: G Cates  
RM: Kitchen  
OTHER: 40 %  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Brown

RESULTS  
AMOSITE  
ANTHOPHYLLITE  
CHRYSOITILE  
CROCIDOLITE  
TREMOLITE/ACTINOLITE  
OTHER ASBESTOS  
TOTAL ASBESTOS  
TOTAL NON-FIBROUS MATERIALS 55 %

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11194  
COMMENT: Sheet Flooring

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-4-1-9(M)  
BLDG: 4  
FLR: 4  
CONTACT PERSON: G Cates  
RM: Kitchen  
OTHER: 10 %  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Mastic

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black

RESULTS  
AMOSITE  
ANTHOPHYLLITE  
CHRYSOITILE  
CROCIDOLITE  
TREMOLITE/ACTINOLITE  
OTHER ASBESTOS  
TOTAL ASBESTOS  
TOTAL NON-FIBROUS MATERIALS 88 %

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082594 11195  
COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-4-1-10  
BLDG: 4  
FLR: Bsm  
CONTACT PERSON: G Cates  
RM: Entry way  
OTHER: 2 %  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Brown

RESULTS  
AMOSITE  
ANTHOPHYLLITE  
CHRYSOITILE  
CROCIDOLITE  
TREMOLITE/ACTINOLITE  
OTHER ASBESTOS  
TOTAL ASBESTOS  
TOTAL NON-FIBROUS MATERIALS 98 %

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082594 11196  
COMMENT:

RECEIVED IN THE ASBESTOS LAB

*Michael Lofgren*

SUPERVISOR: YVONNE J. JONES

RECEIVED: 8/18/94  
MICROSCOPIST: 8/29/94  
DATE ANALYZED: 8/29/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-4-1-11  
BLDG: 4  
FLR:  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other(drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Wh/Gry

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11197

COMMENT:

CELLULOSE	%
FIBERGLASS	%
SYNTHETIC	%
OTHER NON-ASBESTOS	%
TOTAL NON-ASBESTOS	%
TOTAL ASBESTOS	%
TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-4-1-12  
BLDG: 4  
FLR:  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other(drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: White

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11198

COMMENT:

CELLULOSE	%
FIBERGLASS	%
SYNTHETIC	%
OTHER NON-ASBESTOS	%
TOTAL NON-ASBESTOS	%
TOTAL ASBESTOS	%
TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-4-1-13  
BLDG: 4  
FLR:  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other(drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11199

COMMENT:

CELLULOSE	%
FIBERGLASS	%
SYNTHETIC	%
OTHER NON-ASBESTOS	%
TOTAL NON-ASBESTOS	%
TOTAL ASBESTOS	%
TOTAL NON-FIBROUS MATERIALS	100 %

RECEIVED: 8/18/94  
MICROSCOPIST: *Michael L. Harris*  
DATE ANALYZED: 8/29/94  
SUPERVISOR: *Vince J. Harris*  
*9/1/94*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)



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VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125**

ACCREDITATION: U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1406

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-4-1-14  
BLDG: 4  
FLR: 4  
CONTACT PERSON: G Cates  
RM: Bdrm ceil. OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Off-White  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11200

RESULTS:  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSTOLITE %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS %  
CELLULOSE %  
FIBERGLASS 80 %  
SYNTHETIC %  
OTHER NON-ASBESTOS %  
TOTAL NON-ASBESTOS 80 %  
TOTAL NON-FIBROUS MATERIALS 20 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-4-1-15  
BLDG: 4  
FLR: 4  
CONTACT PERSON: G Cates  
RM: Hlwy closet OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other(drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Off-White  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11201

RESULTS:  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSTOLITE %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS %  
CELLULOSE %  
FIBERGLASS %  
SYNTHETIC %  
OTHER NON-ASBESTOS %  
TOTAL NON-ASBESTOS %  
TOTAL NON-FIBROUS MATERIALS 100 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-23-1-1(T)  
BLDG: 23  
FLR: 23  
CONTACT PERSON: G Cates  
RM: Office OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082594 11202

RESULTS:  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSTOLITE %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS %  
CELLULOSE %  
FIBERGLASS %  
SYNTHETIC %  
OTHER NON-ASBESTOS %  
TOTAL NON-ASBESTOS %  
TOTAL NON-FIBROUS MATERIALS 100 %

COMMENT:

RECEIVED: 8/18/94  
MICROSCOPIST: *Michael L. Lawrence*  
DATE ANALYZED: 8/29/94  
SUPERVISOR: *James H. Hays*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)". EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1465

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: F-23-1-1 (M)	RM: Office OTHER:	MATERIAL TYPE: Mastic
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Homogenous		
COLOR: Black		
METHOD OF ANALYSIS: Solvent and EPA		
LAB SAMPLE NUMBER: 647 082594 11203		
COMMENT:		
<u>RESULTS</u>		
AMOSITE	%	CELLULOSE 10 %
ANTHOPHYLLITE	%	FIBERGLASS %
CHRYSOCTILE	%	SYNTHETIC %
CROCIDOLITE	%	OTHER NON-ASBESTOS %
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS 10 %
OTHER ASBESTOS	%	
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS 90 %

*Michael L. Hoffman*

RECEIVED: 8/18/94

MICROSCOPIST:                       
DATE ANALYZED: 8/29/94

SUPERVISOR:                     

VERIFIED BY:                     

4/1/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-5-1-1  
BLDG: 5  
FLR: Jantr  
CONTACT PERSON: G Cates  
RM: 1018/Bkrm  
OTHER:   
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Off-White

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11204

RESULTS

AMOSITE	%	CELLULOSE	20 %
ANTHOPHYLLITE	%	FIBERGLASS	40 %
CHRYCOTILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	60 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	40 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-5-1-2  
BLDG: 5  
FLR: Jantr  
CONTACT PERSON: G Cates  
RM: 1019 ceil.  
OTHER:   
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other(drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Off-White

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11205

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYCOTILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-5-1-3  
BLDG: 5  
FLR: Jantr  
CONTACT PERSON: G Cates  
RM: 1019/wall  
OTHER:   
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other(drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Off-White

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11206

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYCOTILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

COMMENT:

RECEIVED: 8/18/94  
MICROSCOPIST: *Michael L. Harris*  
DATE ANALYZED: 8/30/94  
SUPERVISOR: *Wanda L. Harris*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-5-1-4  
BLDG: 5  
FLR: RM: Hiway/100 OTHER: G Cates  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other(drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Off-White  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11207

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-5-1-5  
BLDG: 5  
FLR: Prnt RM: 1019/ceil. OTHER: G Cates  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Off-White  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11208

RESULTS

AMOSITE	%	CELLULOSE	20 %
ANTHOPHYLLITE	%	FIBERGLASS	40 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	60 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	40 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-5-1-6  
BLDG: 5  
FLR: Prnt RM: 1019 OTHER: G Cates  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other(drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Off-White  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11209

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

COMMENT:

RECEIVED: 8/18/94  
MICROSCOPIST: *Michael L. Lawrence*  
DATE ANALYZED: 8/30/94  
FINDING IN THE ASSESSMENT OF: *VENICE L. L. L.*  
SUPERVISOR: *9/14/94*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-5-1-7	RM:	1002	OTHER:	
BLDG:	5	FLR:			
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Off-White					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082594 11210					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 20 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-5-1-8	RM:		OTHER:	
BLDG:	5	FLR:			
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Off-White					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082594 11211					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 20 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-5-1-9	RM:	1010	OTHER:	
BLDG:	5	FLR:			
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Off-White					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082594 11212					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 40 %					
COMMENT:					

RECEIVED: 8/18/94 MICROSCOPIST: *Michael L. Lofgren* SUPERVISOR: *W. J. Lofgren*  
DATE ANALYZED: 8/30/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)". EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

**ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125**

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-5-1-10  
BLDG: 5  
FLR: 5  
RM: 107  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Off-White

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11213

COMMENT:

RESULTS	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSOITILE	%
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
<b>TOTAL ASBESTOS</b>	<b>%</b>
<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>40 %</b>

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-5-1-11  
BLDG: 5  
FLR: 5  
RM: Bathroom  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other(drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: White

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11214

COMMENT:

RESULTS	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSOITILE	%
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
<b>TOTAL ASBESTOS</b>	<b>%</b>
<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>100 %</b>

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-5-1-12  
BLDG: 5  
FLR: 5  
RM: Hallway  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other(drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11215

COMMENT:

RESULTS	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSOITILE	%
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
<b>TOTAL ASBESTOS</b>	<b>%</b>
<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>100 %</b>

RECEIVED: 8/18/94  
MICROSCOPIST: *Michael L. Harris*  
DATE ANALYZED: 8/30/94  
SUPERVISOR: *YINCE*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-5-BS-1  
BLDG: 5  
FLR: RM: Basement OTHER: G Cates  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11216

COMMENT:

RESULTS	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSOCTILE	60 %
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
<b>TOTAL ASBESTOS</b>	<b>60 %</b>
<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>40 %</b>

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-5-BS-2  
BLDG: 5  
FLR: RM: Basement OTHER: G Cates  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Gry/Brn

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11217

COMMENT:

RESULTS	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSOCTILE	60 %
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
<b>TOTAL ASBESTOS</b>	<b>60 %</b>
<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>20 %</b>

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-5-BS-3  
BLDG: 5  
FLR: RM: Basement OTHER: G Cates  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Brn/Gry

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11218

COMMENT:

RESULTS	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSOCTILE	5 %
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
<b>TOTAL ASBESTOS</b>	<b>5 %</b>
<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>90 %</b>

RECEIVED: 8/18/94  
MICROSCOPIST: *Michael L. Harris*  
DATE ANALYZED: 8/30/94  
SUPERVISOR: *VANCE L. AGNE*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-5-BS-4  
BLDG: BLDG: 5  
CONTACT PERSON: G Cates  
OTHER: OTHER: 20 %  
RM: RM: 60 %  
FLR: FLR: 20 %  
MATERIAL TYPE: Thermal Insulation  
TELEPHONE: 700-276-8421

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Gry/Blk  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11219  
COMMENT:

RESULTS  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSTOLITE 20 %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS 20 %  
TOTAL NON-FIBROUS MATERIALS 20 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-5-BS-5  
BLDG: BLDG: 5  
CONTACT PERSON: G Cates  
OTHER: OTHER: 60 %  
RM: RM: 20 %  
FLR: FLR: 20 %  
MATERIAL TYPE: Thermal Insulation  
TELEPHONE: 700-276-8421

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11220  
COMMENT:

RESULTS  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSTOLITE 60 %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS 60 %  
TOTAL NON-FIBROUS MATERIALS 20 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-5-BS-6  
BLDG: BLDG: 5  
CONTACT PERSON: G Cates  
OTHER: OTHER: 60 %  
RM: RM: 20 %  
FLR: FLR: 20 %  
MATERIAL TYPE: Thermal Insulation  
TELEPHONE: 700-276-8421

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11221  
COMMENT:

RESULTS  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSTOLITE 60 %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS 60 %  
TOTAL NON-FIBROUS MATERIALS 20 %

RECEIVED: 8/18/94  
MICROSCOPIST: *Michael L. Lofgren*  
DATE ANALYZED: 8/30/94  
SUPERVISOR: *7/14/94*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)



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NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-5-BS-7  
BLDG:5  
CONTACT PERSON: G Cates  
RM: Basement  
OTHER: FLR:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Oran/Gr

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11222

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	30 %
ANTHOPHYLLITE	%	FIBERGLASS	60 %
CHRYSOITILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	90 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	10 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-5-BS-8  
BLDG:5  
CONTACT PERSON: G Cates  
RM: Basement  
OTHER: FLR:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: White

METHOD OF ANALYSIS:  
LAB SAMPLE NUMBER: 647 082594 11223

COMMENT:

RESULTS

AMOSITE	60 %	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOITILE	30 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	90 %	TOTAL NON-FIBROUS MATERIALS	10 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-5-BS-9  
BLDG:5  
CONTACT PERSON: G Cates  
RM: Basement  
OTHER: FLR:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11224

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	20 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOITILE	60 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	20 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	60 %	TOTAL NON-FIBROUS MATERIALS	20 %

Full name of the person(s) of

SUPERVISOR: VINCE LUGGER

MICROSCOPIST: Michael L. Harris

RECEIVED: 8/18/94

DATE ANALYZED: 8/30/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1426

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-5-BS-10  
BLDG: 5  
CONTACT PERSON: G Cates  
RM: Basement  
OTHER:   
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Gry/Brn

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11225

COMMENT:

<u>RESULTS</u>	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSTOLITE	10 %
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
<b>TOTAL ASBESTOS</b>	<b>10 %</b>
<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>80 %</b>

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-5-BS-11  
BLDG: 5  
CONTACT PERSON: G Cates  
RM: Basement  
OTHER:   
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: White

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11226

COMMENT:

<u>RESULTS</u>	
AMOSITE	40 %
ANTHOPHYLLITE	%
CHRYSTOLITE	20 %
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
<b>TOTAL ASBESTOS</b>	<b>60 %</b>
<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>40 %</b>

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-RF-32  
BLDG: 1  
CONTACT PERSON: G Cates  
RM: Roof  
OTHER:   
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11227

COMMENT:

<u>RESULTS</u>	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSTOLITE	60 %
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
<b>TOTAL ASBESTOS</b>	<b>60 %</b>
<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>20 %</b>

*Michael L. Lawrence*

RECEIVED: 8/18/94

MICROSCOPIST:   
DATE ANALYZED: 8/31/94

FOR AND IN THE ABSENCE OF

SUPERVISOR:

*Vince L. Carter*  
VINCE L. CARTER

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-RF-33  
BLDG: 1  
CONTACT PERSON: G Cates  
RM: Roof  
FLR: OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11228

RESULTS  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSTOLITE 80 %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS 80 %  
CELLULOSE 5 %  
FIBERGLASS %  
SYNTHETIC %  
OTHER NON-ASBESTOS %  
TOTAL NON-ASBESTOS 5 %  
TOTAL NON-FIBROUS MATERIALS 15 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-RF-34  
BLDG: 1  
CONTACT PERSON: G Cates  
RM: Roof  
FLR: OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11229

RESULTS  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSTOLITE 80 %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS 80 %  
CELLULOSE 5 %  
FIBERGLASS %  
SYNTHETIC %  
OTHER NON-ASBESTOS %  
TOTAL NON-ASBESTOS 5 %  
TOTAL NON-FIBROUS MATERIALS 15 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-GR-29  
BLDG: 1  
CONTACT PERSON: G Cates  
RM: OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11230

RESULTS  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSTOLITE 80 %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS 80 %  
CELLULOSE 5 %  
FIBERGLASS %  
SYNTHETIC %  
OTHER NON-ASBESTOS %  
TOTAL NON-ASBESTOS 5 %  
TOTAL NON-FIBROUS MATERIALS 15 %

COMMENT:

RECEIVED: 8/18/94

MICROSCOPIST: *Michael L. Lofgren*

DATE ANALYZED: 8/31/94

FOR AND IN THE ABSENCE OF

SUPERVISOR: *Vince L. Lofgren*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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**ST. LOUIS, MO 63125**

U.S. DEPARTMENT OF COMMERCE  
 NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
 NPLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
 FACILITY SAMPLE NO: T-1-RF-30  
 BLDG: 1  
 FLR: 1  
 CONTACT PERSON: G Cates  
 RM: Roof  
 OTHER: Thermal Insulation  
 TELEPHONE: 700-276-8421

SAMPLE DESCRIPTION:  
 HOMOGENEITY: Homogenous  
 COLOR: Grey

METHOD OF ANALYSIS: EPA  
 LAB SAMPLE NUMBER: 647 082594 11231

COMMENT:

<u>RESULTS</u>	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSTOLITE	80 %
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
<b>TOTAL ASBESTOS</b>	<b>80 %</b>
CELLULOSE	5 %
FIBERGLASS	%
SYNTHETIC	%
OTHER NON-ASBESTOS	%
<b>TOTAL NON-ASBESTOS</b>	<b>5 %</b>
<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>15 %</b>

FACILITY: 647 JJPVAMC Poplar Bluff  
 FACILITY SAMPLE NO: T-1-RF-31  
 BLDG: 1  
 FLR: 1  
 CONTACT PERSON: G Cates  
 RM: Roof  
 OTHER: Thermal Insulation  
 TELEPHONE: 700-276-8421

SAMPLE DESCRIPTION:  
 HOMOGENEITY: Homogenous  
 COLOR: Grey

METHOD OF ANALYSIS: EPA  
 LAB SAMPLE NUMBER: 647 082594 11232

COMMENT:

<u>RESULTS</u>	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSTOLITE	80 %
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
<b>TOTAL ASBESTOS</b>	<b>80 %</b>
CELLULOSE	%
FIBERGLASS	%
SYNTHETIC	%
OTHER NON-ASBESTOS	%
<b>TOTAL NON-ASBESTOS</b>	<b>%</b>
<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>20 %</b>

FACILITY: 647 JJPVAMC Poplar Bluff  
 FACILITY SAMPLE NO: S-1-RF-71  
 BLDG: 1  
 FLR: 1  
 CONTACT PERSON: G Cates  
 RM: Roof top  
 OTHER: Roofing  
 TELEPHONE: 700-276-8421

SAMPLE DESCRIPTION:  
 HOMOGENEITY: Non-Homogenous  
 COLOR: Blk/Gry

METHOD OF ANALYSIS: Ashing and EPA  
 LAB SAMPLE NUMBER: 647 082594 11233

COMMENT:

<u>RESULTS</u>	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSTOLITE	20 %
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
<b>TOTAL ASBESTOS</b>	<b>20 %</b>
CELLULOSE	60 %
FIBERGLASS	%
SYNTHETIC	%
OTHER NON-ASBESTOS	%
<b>TOTAL NON-ASBESTOS</b>	<b>60 %</b>
<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>20 %</b>

RECEIVED: 8/18/94  
 MICROSCOPIST: *Michael J. Brown*  
 DATE ANALYZED: 8/31/94

FOR AND IN THE ABSENCE OF  
 SUPERVISOR: *Vince Wagner*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-RF-72  
BLDG: 1  
CONTACT PERSON: G Cates  
RM: Roof top  
OTHER: OTHER: 15 %  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Roofing

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black

METHOD OF ANALYSIS: Ashing and EPA  
LAB SAMPLE NUMBER: 647 082594 11234

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	80 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOITILE	5 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	80 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	5 %	TOTAL NON-FIBROUS MATERIALS	15 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-RF-73  
BLDG: 1  
CONTACT PERSON: G Cates  
RM: Roof top  
OTHER: OTHER: 100 %  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other(patch)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black

METHOD OF ANALYSIS: Ashing and EPA  
LAB SAMPLE NUMBER: 647 082594 11235

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOITILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-4-BS-01  
BLDG: 4  
CONTACT PERSON: G Cates  
RM: Basement  
OTHER: OTHER: 15 %  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11236

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	5 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOITILE	80 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	5 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	80 %	TOTAL NON-FIBROUS MATERIALS	15 %

RECEIVED: 8/18/94  
MICROSCOPIST: *Michael J. [Signature]*  
DATE ANALYZED: 8/31/94  
FOR AND IN THE ASSESSMENT OF: *[Signature]*  
SUPERVISOR: VINCE [Signature]

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

**ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125**

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-4-BS-02

BLDG: 4  
FLR:

CONTACT PERSON: G Cates  
RM: Basement OTHER:

TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Brn/Wh

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11237

RESULTS

AMOSITE	%	CELLULOSE	60 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	20 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	60 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	20 %	TOTAL NON-FIBROUS MATERIALS	20 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-4-BS-03

BLDG: 4  
FLR:

CONTACT PERSON: G Cates  
RM: Basement OTHER:

TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11238

RESULTS

AMOSITE	%	CELLULOSE	2 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	80 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	2 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	80 %	TOTAL NON-FIBROUS MATERIALS	18 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-4-BS-04

BLDG: 4  
FLR:

CONTACT PERSON: G Cates  
RM: Basement OTHER:

TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11239

RESULTS

AMOSITE	%	CELLULOSE	5 %
ANTHOPHYLLITE	%	FIBERGLASS	20 %
CHRYSTOLITE	2 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	25 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	2 %	TOTAL NON-FIBROUS MATERIALS	73 %

COMMENT:

RECEIVED: 8/18/94  
MICROSCOPIST: *Michael J. [Signature]*  
DATE ANALYZED: 8/31/94  
SUPERVISOR: *[Signature]*  
FOR AND IN THE ABSENCE OF: *YIMBER L. [Signature]*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125**

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-4-BS-05  
BLDG: 4  
FLR: 4  
CONTACT PERSON: G Cates  
RM: Basement  
OTHER: Thermal Insulation  
TELEPHONE: 700-276-8421

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11240

COMMENT:

RESULTS	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSTOLITE	80 %
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
<b>TOTAL ASBESTOS</b>	<b>80 %</b>
<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>20 %</b>

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-4-BS-06  
BLDG: 4  
FLR: 4  
CONTACT PERSON: G Cates  
RM: Basement  
OTHER: Thermal Insulation  
TELEPHONE: 700-276-8421

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: White

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11241

COMMENT:

RESULTS	
AMOSITE	20 %
ANTHOPHYLLITE	%
CHRYSTOLITE	40 %
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
<b>TOTAL ASBESTOS</b>	<b>60 %</b>
<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>38 %</b>

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-4-BS-07  
BLDG: 4  
FLR: 4  
CONTACT PERSON: G Cates  
RM: Basement  
OTHER: Thermal Insulation  
TELEPHONE: 700-276-8421

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11242

COMMENT:

RESULTS	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSTOLITE	80 %
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
<b>TOTAL ASBESTOS</b>	<b>80 %</b>
<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>18 %</b>

RECEIVED: 8/18/94  
MICROSCOPIST: *Michael L. Brown*  
DATE ANALYZED: 8/31/94  
SUPERVISOR: *Vince K. Brown*  
FOR AND IN THE ABSENCE OF: *Vince K. Brown*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1406

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-4-BS-08	RM:	Basement	OTHER:	
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082594 11243					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYCOTILE 80 %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 80 %					
TOTAL NON-FIBROUS MATERIALS 20 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-4-BS-09	RM:	Basement	OTHER:	
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Non-Homogenous					
COLOR: Brn/Blk					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082594 11244					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYCOTILE 10 %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 10 %					
TOTAL NON-FIBROUS MATERIALS 10 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-4-BS-10	RM:	Basement	OTHER:	
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082594 11245					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYCOTILE 80 %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 80 %					
TOTAL NON-FIBROUS MATERIALS 20 %					
COMMENT:					

RECEIVED: 8/18/94

MICROSCOPIST: *Michael J. [Signature]*

DATE ANALYZED: 8/31/94

SUPERVISOR:

FORWARDED IN THE ABSENCE OF

*[Signature]*  
FACILE. [Signature]

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)



ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff CONTACT PERSON: G Cates TELEPHONE: 700-276-8421  
FACILITY SAMPLE NO: T-4-BS-11 BLDG: 4 FLR: RM: Basement OTHER: MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11246

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	80 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	80 %	TOTAL NON-FIBROUS MATERIALS	20 %

FACILITY: 647 JJPVAMC Poplar Bluff CONTACT PERSON: G Cates TELEPHONE: 700-276-8421  
FACILITY SAMPLE NO: T-4-BS-12 BLDG: 4 FLR: RM: Basement OTHER: MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Gry/Wht

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11247

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	90 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	5 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	90 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	5 %	TOTAL NON-FIBROUS MATERIALS	5 %

FACILITY: 647 JJPVAMC Poplar Bluff CONTACT PERSON: G Cates TELEPHONE: 700-276-8421  
FACILITY SAMPLE NO: S-1-2-114 BLDG: 1 FLR: RM: 2025(opp) OTHER: MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11248

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	40 %
ANTHOPHYLLITE	%	FIBERGLASS	40 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	80 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	20 %

RECEIVED: 8/18/94 MICROSCOPIST: *Michael L. Hester* SUPERVISOR: *Michael L. Hester*  
DATE ANALYZED: 8/31/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

ACCREDITATION:

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-2-115  
BLDG: 1  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11249

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	40 %
ANTHOPHYLLITE	%	FIBERGLASS	40 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	80 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	20 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-2-116  
BLDG: 1  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082594 11250

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-2-117(T)  
BLDG: 1  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082594 11251

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	10 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	10 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	90 %

RECEIVED: 8/18/94

MICROSCOPIST: *Michael J. ...*

DATE ANALYZED: 8/31/94

SUPERVISOR: *Michael J. ...*

FOR AND IN THE ABSENCE OF *Michael J. ...*  
VANCE, LABOR

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-1-2-117(M)	FLR:	RM: Hwy/202 OTHER:	MATERIAL TYPE: Mastic	
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Black					
METHOD OF ANALYSIS: Solvent and EPA					
LAB SAMPLE NUMBER: 647 082594 11252					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE 10 %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 10 %					
TOTAL NON-FIBROUS MATERIALS 90 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-1-2-118	FLR:	RM: Hallway/20 OTHER:	MATERIAL TYPE: Floor Tile	
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Black					
METHOD OF ANALYSIS: Solvent and EPA					
LAB SAMPLE NUMBER: 647 082594 11253					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 100 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-1-2-119	FLR:	RM: 2A-1 OTHER:	MATERIAL TYPE: Floor Tile	
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Black					
METHOD OF ANALYSIS: Solvent and EPA					
LAB SAMPLE NUMBER: 647 082594 11254					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 100 %					
COMMENT:					

RECEIVED: 8/18/94

MICROSCOPIST: *Michael J. [unclear]*  
DATE ANALYZED: 8/31/94

SUPERVISOR: *[Signature]*  
IN THE ABSENCE OF

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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**VA MEDICAL CENTER (132/ASB)**  
**ST. LOUIS, MO 63125**

U.S. DEPARTMENT OF COMMERCE  
 NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
 NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
 FACILITY SAMPLE NO: F-1-2-120(T)  
 BLDG: 1  
 FLR: 1  
 CONTACT PERSON: G Cates  
 RM: Hallway  
 OTHER: 10 %  
 MATERIAL TYPE: Floor Tile  
 TELEPHONE: 700-276-8421

SAMPLE DESCRIPTION:  
 HOMOGENEITY: Homogenous  
 COLOR: Grey

METHOD OF ANALYSIS: Solvent and EPA  
 LAB SAMPLE NUMBER: 647 082594 11255

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	10 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOTILE	2 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	10 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	2 %	TOTAL NON-FIBROUS MATERIALS	88 %

FACILITY: 647 JJPVAMC Poplar Bluff  
 FACILITY SAMPLE NO: F-1-2-120(M)  
 BLDG: 1  
 FLR: 1  
 CONTACT PERSON: G Cates  
 RM: Hallway  
 OTHER: 10 %  
 MATERIAL TYPE: Mastic  
 TELEPHONE: 700-276-8421

SAMPLE DESCRIPTION:  
 HOMOGENEITY: Homogenous  
 COLOR: Black

METHOD OF ANALYSIS: Solvent and EPA  
 LAB SAMPLE NUMBER: 647 082594 11256

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOTILE	10 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	10 %	TOTAL NON-FIBROUS MATERIALS	90 %

FACILITY: 647 JJPVAMC Poplar Bluff  
 FACILITY SAMPLE NO: F-1-2-121  
 BLDG: 1  
 FLR: 1  
 CONTACT PERSON: G Cates  
 RM: 2075  
 OTHER: 2 %  
 MATERIAL TYPE: Floor Tile  
 TELEPHONE: 700-276-8421

SAMPLE DESCRIPTION:  
 HOMOGENEITY: Homogenous  
 COLOR: Beige

METHOD OF ANALYSIS: Solvent and EPA  
 LAB SAMPLE NUMBER: 647 082594 11257

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOTILE	2 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	2 %	TOTAL NON-FIBROUS MATERIALS	98 %

RECEIVED: 8/18/94  
 MICROSCOPIST: *Michael J. [Signature]*  
 DATE ANALYZED: 8/31/94

FILED IN THE OFFICE OF  
 SUPERVISOR: *[Signature]*  
 VINCE [Signature]

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

**ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125**

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-2-122(T) BLDG:1 FLR: CONTACT PERSON: G Cates TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082594 11258

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-2-122(M) BLDG:1 FLR: CONTACT PERSON: G Cates TELEPHONE: 700-276-8421  
MATERIAL TYPE: Mastic

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082594 11259

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	10 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	10 %	TOTAL NON-FIBROUS MATERIALS	90 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-2-123(T) BLDG:1 FLR: CONTACT PERSON: G Cates TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082594 11260

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

COMMENT:

RECEIVED: 8/18/94 MICROSCOPIST: *Michael J. Johnson* SUPERVISOR: *John H. Hester*  
DATE ANALYZED: 8/31/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-2-123  
BLDG:1  
CONTACT PERSON: G Cates  
FLR: RM: 2098B/nea OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Mastic

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082594 11261

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	5 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	10 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	5 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	10 %	TOTAL NON-FIBROUS MATERIALS	85 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-1-101  
BLDG:1  
CONTACT PERSON: G Cates  
FLR: RM: 1146 OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Plaster

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Gry/Wh

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11262

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	2 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	2 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	98 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-1-102  
BLDG:1  
CONTACT PERSON: G Cates  
FLR: RM: 1151 OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Plaster

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11263

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

RECEIVED: 8/18/94  
MICROSCOPIST: *Michael J. Morris*  
DATE ANALYZED: 8/31/94  
SUPERVISOR: *Walter H. Morris*  
FINDING IN THE ABSENCE OF: *Walter H. Morris*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1406

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-1-103  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 1006/wait. OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other(drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Gry/Brn

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11264

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	5 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	5 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	95 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-1-104  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 1009  
OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082594 11265

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-1-105  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 1020  
OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other(drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11266

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

RECEIVED: 8/18/94

MICROSCOPIST: *Michael L. L...*

DATE ANALYZED: 8/31/94

SUPERVISOR: *VINCE L...*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-1-106  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Plaster

BLDG:1  
FLR:  
RM: 1023  
OTHER:

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Off-White  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11267

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-1-108  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Plaster

BLDG:1  
FLR:  
RM: 1030  
OTHER:

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: White  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11268

RESULTS

AMOSITE	%	CELLULOSE	.5 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	.5 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	99.5 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-1-109  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Ceiling Tile

BLDG:1  
FLR:  
RM: 1030  
OTHER:

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Gry/Wh  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11269

RESULTS

AMOSITE	%	CELLULOSE	40 %
ANTHOPHYLLITE	%	FIBERGLASS	20 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	60 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	40 %

COMMENT:

RECEIVED: 8/18/94  
MICROSCOPIST: *Michael J. Givens*  
DATE ANALYZED: 8/31/94  
SUPERVISOR: *Michael J. Givens*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)". EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)



U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

**ACCREDITATION:**

FACILITY:	647 JJPVAMC Poplar Bluff			CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-2-112	BLDG:1	FLR:	RM: 2078	OTHER:	MATERIAL TYPE:	Celling Tile
<u>SAMPLE DESCRIPTION:</u>							
HOMOGENEITY: Non-Homogenous							
COLOR: Gry/Wh							
METHOD OF ANALYSIS: EPA							
LAB SAMPLE NUMBER: 647 082594 11272							
COMMENT:							
<u>RESULTS</u>							
				AMOSITE	%	CELLULOSE	40 %
				ANTHOPHYLLITE	%	FIBERGLASS	20 %
				CHRYSOITILE	%	SYNTHETIC	%
				CROCIDOLITE	%	OTHER NON-ASBESTOS	%
				TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	60 %
				OTHER ASBESTOS	%		
				TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	40 %

SUPERVISOR:

# SECRET

2017

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-2-113  
BLDG:1  
FLR:  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Gry/Wh

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11273

COMMENT:

RESULTS	
AMOSITE	%
ANTHOPHYLLITE	40 %
CHRYSTOLITE	20 %
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
TOTAL ASBESTOS	60 %
TOTAL NON-FIBROUS MATERIALS	40 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-1-89  
BLDG:1  
FLR:  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Gry/Wh

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11274

COMMENT:

RESULTS	
AMOSITE	%
ANTHOPHYLLITE	40 %
CHRYSTOLITE	20 %
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
TOTAL ASBESTOS	60 %
TOTAL NON-FIBROUS MATERIALS	40 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-1-90\*  
BLDG:1  
FLR:  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082594 11275

COMMENT: \*Bulk coded.

RESULTS	
AMOSITE	%
ANTHOPHYLLITE	2 %
CHRYSTOLITE	%
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
TOTAL ASBESTOS	2 %
TOTAL NON-FIBROUS MATERIALS	98 %

RECEIVED: 8/18/94  
MICROSCOPIST: *Orlando J. ...*  
DATE ANALYZED: 8/31/94  
SUPERVISOR: *W. H. ...*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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U.S. DEPARTMENT OF COMMERCE  
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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JIPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-1-91\*  
BLDG: 1 FLR: RM: Hwy/1144 OTHER: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082594 11276

COMMENT: \*Bulk coded.

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOITILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JIPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-1-80  
BLDG: 1 FLR: RM: 1132/x-ray OTHER: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082594 11277

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOITILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JIPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-1-81  
BLDG: 1 FLR: RM: 1113 OTHER: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Off-White

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082594 11278

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOITILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

RECEIVED: 8/18/94  
MICROSCOPIST: *Michael J. [Signature]*  
DATE ANALYZED: 8/31/94  
SUPERVISOR: *[Signature]*  
LABORATORY: *[Signature]*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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ACCREDITATION: U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: F-1-1-82	FLR: RM: 1129 OTHER:	MATERIAL TYPE: Floor Tile
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Homogenous	AMOSITE	% CELLULOSE
COLOR: Off-White	ANTHOPHYLLITE	% FIBERGLASS
	CHRYSTOLITE	% SYNTHETIC
METHOD OF ANALYSIS: Solvent and EPA	CROCIDOLITE	% OTHER NON-ASBESTOS
LAB SAMPLE NUMBER: 647 082594 11279	TREMOLITE/ACTINOLITE	% TOTAL NON-ASBESTOS
COMMENT:	OTHER ASBESTOS	%
	TOTAL ASBESTOS	%
	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: F-1-1-92(T)	FLR: RM: Hwy/1150 OTHER:	MATERIAL TYPE: Floor Tile
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Homogenous	AMOSITE	% CELLULOSE
COLOR: Green	ANTHOPHYLLITE	% FIBERGLASS
	CHRYSTOLITE	% SYNTHETIC
METHOD OF ANALYSIS: Solvent and EPA	CROCIDOLITE	% OTHER NON-ASBESTOS
LAB SAMPLE NUMBER: 647 082594 11280	TREMOLITE/ACTINOLITE	% TOTAL NON-ASBESTOS
COMMENT:	OTHER ASBESTOS	%
	TOTAL ASBESTOS	%
	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: F-1-1-92(M)	FLR: RM: Hwy/1150 OTHER:	MATERIAL TYPE: Mastie
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Homogenous	AMOSITE	% CELLULOSE
COLOR: Black	ANTHOPHYLLITE	% FIBERGLASS
	CHRYSTOLITE	% SYNTHETIC
METHOD OF ANALYSIS: Solvent and EPA	CROCIDOLITE	% OTHER NON-ASBESTOS
LAB SAMPLE NUMBER: 647 082594 11281	TREMOLITE/ACTINOLITE	% TOTAL NON-ASBESTOS
COMMENT:	OTHER ASBESTOS	%
	TOTAL ASBESTOS	%
	TOTAL NON-FIBROUS MATERIALS	90 %

RECEIVED: 8/18/94 MICROSCOPIST: *Michael J. Johnson* SUPERVISOR: *9/24/94*  
DATE ANALYZED: 8/31/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-1-93  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: Hallway  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082594 11282

COMMENT:

RESULTS	%
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSTOLITE	%
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
TOTAL ASBESTOS	%
TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-1-94  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: Hallway  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082594 11283

COMMENT:

RESULTS	%
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSTOLITE	%
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
TOTAL ASBESTOS	%
TOTAL NON-FIBROUS MATERIALS	100 %

RECEIVED: 8/18/94

MICROSCOPIST: Michael L. Lohman  
DATE ANALYZED: 8/31/94

IN THE ABSENCE OF  
SUPERVISOR:

M. L. Lohman  
MICROSCOPIST

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1465

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421	
FACILITY SAMPLE NO: F-1-1-95	RM: Hiway/rece OTHER:	MATERIAL TYPE: Floor Tile	
BLDG: 1	FLR:		
<u>SAMPLE DESCRIPTION:</u>			
HOMOGENEITY: Homogenous			
COLOR: Grey			
METHOD OF ANALYSIS: Solvent and EPA			
LAB SAMPLE NUMBER: 647 082594 11284			
COMMENT:			
<u>RESULTS</u>			
AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421	
FACILITY SAMPLE NO: F-1-1-96	RM: Hallway OTHER:	MATERIAL TYPE: Floor Tile	
BLDG: 1	FLR:		
<u>SAMPLE DESCRIPTION:</u>			
HOMOGENEITY: Homogenous			
COLOR: Grey			
METHOD OF ANALYSIS: Solvent and EPA			
LAB SAMPLE NUMBER: 647 082594 11285			
COMMENT:			
<u>RESULTS</u>			
AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421	
FACILITY SAMPLE NO: F-1-1-97	RM: Hallway OTHER:	MATERIAL TYPE: Floor Tile	
BLDG: 1	FLR:		
<u>SAMPLE DESCRIPTION:</u>			
HOMOGENEITY: Homogenous			
COLOR: Grey			
METHOD OF ANALYSIS: Solvent and EPA			
LAB SAMPLE NUMBER: 647 082594 11286			
COMMENT:			
<u>RESULTS</u>			
AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FOR AND IN THE PRESENCE OF

RECEIVED: 8/18/94

MICROSCOPIST: *Gregory J. [Signature]*  
DATE ANALYZED: 9/1/94

SUPERVISOR: *GMH*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff CONTACT PERSON: G Cates TELEPHONE: 700-276-8421  
FACILITY SAMPLE NO: F-1-1-98 BLDG: 1 FLR: RM: Hallway OTHER: MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Gr/OffWh

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11287

COMMENT: Sheet Flooring

RESULTS

AMOSITE	%	CELLULOSE	30 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOITILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	30 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	70 %

FACILITY: 647 JJPVAMC Poplar Bluff CONTACT PERSON: G Cates TELEPHONE: 700-276-8421  
FACILITY SAMPLE NO: S-1-1-99 BLDG: 1 FLR: RM: 1142 OTHER: MATERIAL TYPE: Other(drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Off-White

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11288

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOITILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff CONTACT PERSON: G Cates TELEPHONE: 700-276-8421  
FACILITY SAMPLE NO: S-1-1-100 BLDG: 1 FLR: RM: 1147 OTHER: MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Brn/Wh

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11289

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	40 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOITILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	40 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	60 %

FOR AND IN THE ABSENCE OF  
SUPERVISOR: *[Signature]*

MICROSCOPIST: *[Signature]*  
DATE ANALYZED: 9/1/94

RECEIVED: 8/18/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (5/94)

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-1-35  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 1  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Beige  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11290

RESULTS  
AMOSITE %  
ANTHOPHYLLITE 10 %  
CHRYSTOLITE 10 %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS 20 %  
TOTAL NON-FIBROUS MATERIALS 80 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-1-36  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 1  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Gry/Brn  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11291

RESULTS  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSTOLITE 80 %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS 80 %  
TOTAL NON-FIBROUS MATERIALS 15 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-1-37  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 1  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11292

RESULTS  
AMOSITE %  
ANTHOPHYLLITE 5 %  
CHRYSTOLITE %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS 5 %  
TOTAL NON-FIBROUS MATERIALS 15 %

COMMENT:

RECEIVED: 8/18/94

MICROSCOPIST: *[Signature]*

DATE ANALYZED: 9/1/94

PUT AND IN THE ABSENCE OF  
SUPERVISOR: *[Signature]*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)





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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-1-41  
BLDG: 1  
CONTACT PERSON: G Cates  
RM: 1  
FLR: 1  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11296

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	5 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	80 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	5 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	80 %	TOTAL NON-FIBROUS MATERIALS	15 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-1-42  
BLDG: 1  
CONTACT PERSON: G Cates  
RM: 1  
FLR: 1  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11297

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	80 %
CHRYSOTILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	80 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	20 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-1-43  
BLDG: 1  
CONTACT PERSON: G Cates  
RM: 1  
FLR: 1  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Roofing

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082594 11298

COMMENT: Thermal Insulation sample

RESULTS

AMOSITE	%	CELLULOSE	5 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	80 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	5 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	80 %	TOTAL NON-FIBROUS MATERIALS	15 %

RECEIVED: 8/18/94

MICROSCOPIST: *W. J. J. J.*

DATE ANALYZED: 9/1/94

FULLY REVIEWED BY THE ASBESTOS OF  
SUPERVISOR: *W. J. J. J.*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-1-44	FLR:	RM: 1	OTHER:	MATERIAL TYPE: Floor Tile
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY:					
COLOR:					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082594 11299					
COMMENT: Thermal insulation sample					
<u>RESULTS</u>					
AMOSITE					
ANTHOPHYLLITE					
CHRYSOITILE					
CROCIDOLITE					
TREMOLITE/ACTINOLITE					
OTHER ASBESTOS					
TOTAL ASBESTOS					
TOTAL NON-FIBROUS MATERIALS					
10 %					
80 %					
%					
%					
90 %					
TOTAL NON-FIBROUS MATERIALS					
10 %					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-1-45	FLR:	RM: 1	OTHER:	MATERIAL TYPE: Floor Tile
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY:					
COLOR:					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082594 11300					
COMMENT: Thermal insulation sample					
<u>RESULTS</u>					
AMOSITE					
ANTHOPHYLLITE					
CHRYSOITILE					
CROCIDOLITE					
TREMOLITE/ACTINOLITE					
OTHER ASBESTOS					
TOTAL ASBESTOS					
TOTAL NON-FIBROUS MATERIALS					
15 %					
5 %					
%					
%					
5 %					
TOTAL NON-FIBROUS MATERIALS					
15 %					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-1-46	FLR:	RM: 1	OTHER:	MATERIAL TYPE: Thermal Insulation
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082594 11301					
COMMENT:					
<u>RESULTS</u>					
AMOSITE					
ANTHOPHYLLITE					
CHRYSOITILE					
CROCIDOLITE					
TREMOLITE/ACTINOLITE					
OTHER ASBESTOS					
TOTAL ASBESTOS					
TOTAL NON-FIBROUS MATERIALS					
15 %					
5 %					
%					
%					
5 %					
TOTAL NON-FIBROUS MATERIALS					
15 %					

RECEIVED: 8/18/94 MICROSCOPIST: *Ona...* DATE ANALYZED: 9/1/94  
FOR AND IN THE PRESENCE OF: *...* SUPERVISOR: *...*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-8-1-4  
BLDG: 8  
FLR: RM: Wksp wall OTHER: G Cates  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Plaster

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: White

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11524

COMMENT:

RESULTS	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSTOLITE	%
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
TOTAL ASBESTOS	%
CELLULOSE	40 %
FIBERGLASS	%
SYNTHETIC	%
OTHER NON-ASBESTOS	%
TOTAL NON-ASBESTOS	40 %
TOTAL NON-FIBROUS MATERIALS	60 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-8-1-5  
BLDG: 8  
FLR: RM: 1004 OTHER: G Cates  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other(drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: White

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11525

COMMENT:

RESULTS	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSTOLITE	%
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
TOTAL ASBESTOS	%
CELLULOSE	40 %
FIBERGLASS	%
SYNTHETIC	%
OTHER NON-ASBESTOS	%
TOTAL NON-ASBESTOS	40 %
TOTAL NON-FIBROUS MATERIALS	60 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-8-1-6  
BLDG: 8  
FLR: RM: 1002 OTHER: G Cates  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other(drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: White

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11526

COMMENT:

RESULTS	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSTOLITE	%
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
TOTAL ASBESTOS	%
CELLULOSE	40 %
FIBERGLASS	%
SYNTHETIC	%
OTHER NON-ASBESTOS	%
TOTAL NON-ASBESTOS	40 %
TOTAL NON-FIBROUS MATERIALS	60 %

RECEIVED: 8/29/94

MICROSCOPIST: *Michael L. Harris*

DATE ANALYZED: 9/8/94

SUPERVISOR: *VINCE L. HARRIS*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-8-1-03  
BLDG: 8  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 1  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11527

COMMENT:

RESULTS	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSTOLITE	80 %
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
TOTAL ASBESTOS	80 %
TOTAL NON-FIBROUS MATERIALS	20 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-8-1-04  
BLDG: 8  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 1  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Gry/Brn

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11528

COMMENT:

RESULTS	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSTOLITE	80 %
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
TOTAL ASBESTOS	80 %
TOTAL NON-FIBROUS MATERIALS	15 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-8-1-05  
BLDG: 8  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 1  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Gry/Brn

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11529

COMMENT:

RESULTS	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSTOLITE	80 %
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
TOTAL ASBESTOS	80 %
TOTAL NON-FIBROUS MATERIALS	15 %

RECEIVED: 8/29/94

MICROSCOPIST: *Michael L. Harris*

DATE ANALYZED: 9/8/94

SUPERVISOR: *Vince Wagner*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (694)

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: T-8-1-06	RM: 1	MATERIAL TYPE: Thermal Insulation
BLDG: 8	FLR:	OTHER:
<u>RESULTS</u>		
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Non-Homogenous	AMOSITE	%
COLOR: Gry/Brn	ANTHOPHYLLITE	%
	CHRYSTOLITE	5 %
	CROCIDOLITE	%
METHOD OF ANALYSIS: EPA	TREMOLITE/ACTINOLITE	%
LAB SAMPLE NUMBER: 647 083194 11530	OTHER ASBESTOS	%
COMMENT:	TOTAL ASBESTOS	5 %
	TOTAL NON-FIBROUS MATERIALS	5 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: T-8-1-07	RM: 1	MATERIAL TYPE: Thermal Insulation
BLDG: 8	FLR:	OTHER:
<u>RESULTS</u>		
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Homogenous	AMOSITE	%
COLOR: Brown	ANTHOPHYLLITE	%
	CHRYSTOLITE	%
	CROCIDOLITE	%
METHOD OF ANALYSIS: EPA	TREMOLITE/ACTINOLITE	%
LAB SAMPLE NUMBER: 647 083194 11531	OTHER ASBESTOS	%
COMMENT:	TOTAL ASBESTOS	95 %
	TOTAL NON-FIBROUS MATERIALS	5 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: T-8-1-08	RM: 1	MATERIAL TYPE: Thermal Insulation
BLDG: 8	FLR:	OTHER:
<u>RESULTS</u>		
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Non-Homogenous	AMOSITE	%
COLOR: Gry/Brn	ANTHOPHYLLITE	%
	CHRYSTOLITE	25 %
	CROCIDOLITE	%
METHOD OF ANALYSIS: EPA	TREMOLITE/ACTINOLITE	%
LAB SAMPLE NUMBER: 647 083194 11532	OTHER ASBESTOS	%
COMMENT:	TOTAL ASBESTOS	70 %
	TOTAL NON-FIBROUS MATERIALS	5 %

RECEIVED: 8/29/94

MICROSCOPIST: *Michael L. Harris*  
DATE ANALYZED: 9/8/94

SUPERVISOR: *Vince L. Langer*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-3-175  
BLDG: 1  
FLR: RM: 3075/otsd OTHER: G Cates  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Brown

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11533

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	15 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	15 %	TOTAL NON-FIBROUS MATERIALS	85 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-3-176T  
BLDG: 1  
FLR: RM: Hwy/3066 OTHER: G Cates  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11534

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-3-176M  
BLDG: 1  
FLR: RM: Hwy/3066 OTHER: G Cates  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Mastic

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11535

RESULTS

AMOSITE	%	CELLULOSE	5 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	5 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	5 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	5 %	TOTAL NON-FIBROUS MATERIALS	90 %

COMMENT:

RECEIVED: 8/29/94  
MICROSCOPIST: *Michael L. Harris*  
DATE ANALYZED: 9/8/94  
SUPERVISOR: *Michael L. Harris*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)". EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-3-177T  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11536

COMMENT:

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	15%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	15%	TOTAL NON-FIBROUS MATERIALS	85%

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-3-177M  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Mastic

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11537

COMMENT:

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	5%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	5%	TOTAL NON-FIBROUS MATERIALS	95%

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-3-178T  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11538

COMMENT:

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100%

RECEIVED: 8/29/94  
MICROSCOPIST: *Michael L. Harris*  
DATE ANALYZED: 9/8/94  
SUPERVISOR: *W. C. Harris*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)



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NVLAP NO. 1405

ACCREDITATION:

## BULK ASBESTOS ASSESSMENT RECORD

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-1-3-178M	FLR:	RM: 3059/crmer OTHER:	MATERIAL TYPE:	Mastic
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Black					
METHOD OF ANALYSIS: Solvent and EPA					
LAB SAMPLE NUMBER: 647 083194 11539					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSOTILE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 98 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-1-3-179	FLR:	RM: 3093 OTHER:	MATERIAL TYPE:	Floor Tile
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: Solvent and EPA					
LAB SAMPLE NUMBER: 647 083194 11540					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSOTILE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 100 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-3-180	FLR:	RM: Hwy/2094 OTHER:	MATERIAL TYPE:	Other(drywall)
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: White					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11541					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSOTILE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 100 %					
COMMENT:					

RECEIVED: 8/29/94 MICROSCOPIST: Michael L. Harris SUPERVISOR: VINCE M. HARRIS  
DATE ANALYZED: 9/8/94

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NVLAP NO. 1405

ACCREDITATION:

## BULK ASBESTOS ASSESSMENT RECORD

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-3-181	FLR:	RM: 3067	OTHER:	MATERIAL TYPE: Other (drywall)
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Off-White					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11542					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 100 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-3-182	FLR:	RM: 3066	OTHER:	MATERIAL TYPE: Other (drywall)
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Off-White					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11543					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 100 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-3-183	FLR:	RM: 3094	OTHER:	MATERIAL TYPE: Other (drywall)
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Off-White					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11544					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 100 %					
COMMENT:					

RECEIVED: 8/29/94

MICROSCOPIST:

*Michael L. Lofgren*

DATE ANALYZED: 9/8/94

SUPERVISOR:

*Vince L. Lofgren*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-2-163	FLR:	RM: 2038	OTHER:	
BLDG:	1				
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Homogenous					
COLOR: Off-White					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11545					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSOTILE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 100 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-2-164	FLR:	RM: 2045	OTHER:	
BLDG:	1				
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Homogenous					
COLOR: White					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11546					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSOTILE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 95 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-2-165	FLR:	RM: 2046	OTHER:	
BLDG:	1				
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Homogenous					
COLOR: White					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11547					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSOTILE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 78 %					
COMMENT:					

RECEIVED: 8/29/94

MICROSCOPIST:

DATE ANALYZED: 9/8/94

SUPERVISOR:

VINCE L. HARRIS

Michael L. Harris

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-2-166  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 2077  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other(drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: OffWh/Gr  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11548  
COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	20 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	20 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	80 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-2-167  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 2077  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Orange  
METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11549  
COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-2-168  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 2083  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other(concrete)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11550  
COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

RECEIVED: 8/29/94  
MICROSCOPIST: *Michael L. Harris*  
DATE ANALYZED: 9/8/94  
SUPERVISOR: *VANCE L. HARRIS*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1465

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-1-2-169T	RM:	2094	MATERIAL TYPE:	Floor Tile
SAMPLE DESCRIPTION:		FLR:	OTHER:		
HOMOGENEITY: Homogenous		<b>RESULTS</b>			
COLOR: Green		AMOSITE % CELLULOSE %			
		ANTHOPHYLLITE % FIBERGLASS %			
		CHRYSOTILE 20 % SYNTHETIC %			
METHOD OF ANALYSIS: Solvent and EPA		CROCIDOLITE % OTHER NON-ASBESTOS %			
LAB SAMPLE NUMBER: 647 083194 11551		TREMOLITE/ACTINOLITE % TOTAL NON-ASBESTOS %			
COMMENT:		OTHER ASBESTOS %			
		TOTAL ASBESTOS 20 % TOTAL NON-FIBROUS MATERIALS 80 %			

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-1-2-169M	RM:	2094	MATERIAL TYPE:	Mastic
SAMPLE DESCRIPTION:		FLR:	OTHER:		
HOMOGENEITY: Homogenous		<b>RESULTS</b>			
COLOR: Black		AMOSITE % CELLULOSE %			
		ANTHOPHYLLITE % FIBERGLASS %			
		CHRYSOTILE 5 % SYNTHETIC %			
METHOD OF ANALYSIS: Solvent and EPA		CROCIDOLITE % OTHER NON-ASBESTOS %			
LAB SAMPLE NUMBER: 647 083194 11552		TREMOLITE/ACTINOLITE % TOTAL NON-ASBESTOS %			
COMMENT:		OTHER ASBESTOS %			
		TOTAL ASBESTOS 5 % TOTAL NON-FIBROUS MATERIALS 95 %			

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-2-170	RM:	2109A	MATERIAL TYPE:	Other(drywall)
SAMPLE DESCRIPTION:		FLR:	OTHER:		
HOMOGENEITY: Homogenous		<b>RESULTS</b>			
COLOR: Off-White		AMOSITE % CELLULOSE 40 %			
		ANTHOPHYLLITE % FIBERGLASS %			
		CHRYSOTILE % SYNTHETIC %			
METHOD OF ANALYSIS: EPA		CROCIDOLITE % OTHER NON-ASBESTOS %			
LAB SAMPLE NUMBER: 647 083194 11553		TREMOLITE/ACTINOLITE % TOTAL NON-ASBESTOS 40 %			
COMMENT:		OTHER ASBESTOS %			
		TOTAL ASBESTOS % TOTAL NON-FIBROUS MATERIALS 60 %			

RECEIVED: 8/29/94

MICROSCOPIST:

DATE ANALYZED: 9/8/94

SUPERVISOR:

*Michael L. Lafferty*

*WALTER L. L. L.*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NVLAP NO. 1405

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-2-171  
BLDG: 1  
FLR: Strwl  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other(drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Off-White  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11554  
COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-2-172  
BLDG: 1  
FLR:  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other(drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Off-White  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11555  
COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-1-173  
BLDG: 1  
FLR:  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other(drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: White  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11556  
COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	40 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	40 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	60 %

RECEIVED: 8/29/94  
MICROSCOPIST: *Michael L. Harris*  
DATE ANALYZED: 9/8/94  
SUPERVISOR: *WANCE L. HARRIS*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

## BULK ASBESTOS ASSESSMENT RECORD

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: S-1-1-174	RM: 1066/ceil. OTHER:	MATERIAL TYPE: Other(drywall)
<b>SAMPLE DESCRIPTION:</b>		
HOMOGENEITY: Homogenous		
COLOR: Off-White		
METHOD OF ANALYSIS: EPA		
LAB SAMPLE NUMBER: 647 083194 11557		
<b>RESULTS</b>		
AMOSITE	%	CELLULOSE .5 %
ANTHOPHYLLITE	%	FIBERGLASS %
CHRYSTOLITE	%	SYNTHETIC %
CROCIDOLITE	%	OTHER NON-ASBESTOS %
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS .5 %
OTHER ASBESTOS	%	
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS 99.5 %
COMMENT:		

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: T-1-2-71	RM: 2 OTHER:	MATERIAL TYPE: Thermal Insulation
<b>SAMPLE DESCRIPTION:</b>		
HOMOGENEITY: Non-Homogenous		
COLOR: Gry/Brn		
METHOD OF ANALYSIS: EPA		
LAB SAMPLE NUMBER: 647 083194 11558		
<b>RESULTS</b>		
AMOSITE	%	CELLULOSE 90 %
ANTHOPHYLLITE	%	FIBERGLASS %
CHRYSTOLITE	5 %	SYNTHETIC %
CROCIDOLITE	%	OTHER NON-ASBESTOS %
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS 90 %
OTHER ASBESTOS	%	
TOTAL ASBESTOS	5 %	TOTAL NON-FIBROUS MATERIALS 5 %
COMMENT:		

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: T-1-2-72	RM: 2 OTHER:	MATERIAL TYPE: Thermal Insulation
<b>SAMPLE DESCRIPTION:</b>		
HOMOGENEITY: Homogenous		
COLOR: Grey		
METHOD OF ANALYSIS: EPA		
LAB SAMPLE NUMBER: 647 083194 11559		
<b>RESULTS</b>		
AMOSITE	%	CELLULOSE %
ANTHOPHYLLITE	%	FIBERGLASS 60 %
CHRYSTOLITE	%	SYNTHETIC %
CROCIDOLITE	%	OTHER NON-ASBESTOS %
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS 60 %
OTHER ASBESTOS	%	
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS 40 %
COMMENT:		

RECEIVED: 8/29/94

MICROSCOPIST: *Michael L. Harris*

DATE ANALYZED: 9/8/94

SUPERVISOR: *VINCE REAGAN*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)" EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

**ASBESTOS ANALYSIS LAB**  
**VA MEDICAL CENTER (132/ASB)**  
**ST. LOUIS, MO 63125**

ACCREDITATION: U.S. DEPARTMENT OF COMMERCE  
 NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
 NVLAP NO. 1405

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
 FACILITY SAMPLE NO: T-1-2-73  
 BLDG: 1 FLR: RM: 2 CONTACT PERSON: G Cates  
 TELEPHONE: 700-276-8421  
 MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
 HOMOGENEITY: Homogenous  
 COLOR: Grey

METHOD OF ANALYSIS: EPA  
 LAB SAMPLE NUMBER: 647 083194 11560

COMMENT:

<u>RESULTS</u>	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSOTILE	%
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
<b>TOTAL ASBESTOS</b>	<b>80 %</b>
<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>20 %</b>

FACILITY: 647 JJPVAMC Poplar Bluff  
 FACILITY SAMPLE NO: T-1-1-77  
 BLDG: 1 FLR: RM: 1 CONTACT PERSON: G Cates  
 TELEPHONE: 700-276-8421  
 MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
 HOMOGENEITY: Homogenous  
 COLOR: Grey

METHOD OF ANALYSIS: EPA  
 LAB SAMPLE NUMBER: 647 083194 11561

COMMENT:

<u>RESULTS</u>	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSOTILE	20 %
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
<b>TOTAL ASBESTOS</b>	<b>20 %</b>
<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>40 %</b>

FACILITY: 647 JJPVAMC Poplar Bluff  
 FACILITY SAMPLE NO: T-1-1-78  
 BLDG: 1 FLR: RM: 1 CONTACT PERSON: G Cates  
 TELEPHONE: 700-276-8421  
 MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
 HOMOGENEITY: Homogenous  
 COLOR: Grey

METHOD OF ANALYSIS: EPA  
 LAB SAMPLE NUMBER: 647 083194 11562

COMMENT:

<u>RESULTS</u>	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSOTILE	60 %
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
<b>TOTAL ASBESTOS</b>	<b>60 %</b>
<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>20 %</b>

RECEIVED: 8/29/94 MICROSCOPIST: *Michael L. Harris* SUPERVISOR: *VINCE L. HARRIS*  
 DATE ANALYZED: 9/8/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)



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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-2-74  
BLDG: 1  
FLR: 1  
RM: 2  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11563

RESULTS

AMOSITE	%	CELLULOSE	20 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	60 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	20 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	60 %	TOTAL NON-FIBROUS MATERIALS	20 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-2-75  
BLDG: 1  
FLR: 1  
RM: 2  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11564

RESULTS

AMOSITE	%	CELLULOSE	90 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	5 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	90 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	5 %	TOTAL NON-FIBROUS MATERIALS	5 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-2-76 *Should be T-1-1-76*  
BLDG: 1  
FLR: 1  
RM: 2  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: White  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11565

RESULTS

AMOSITE	40 %	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	20 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	60 %	TOTAL NON-FIBROUS MATERIALS	40 %

COMMENT:

RECEIVED: 8/29/94

MICROSCOPIST: *Michael L. Harris*

DATE ANALYZED: 9/8/94

SUPERVISOR: *Vince [Signature]*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-2-68	FLR:	RM:2	OTHER:	
MATERIAL TYPE: Thermal Insulation					
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Non-Homogenous					
COLOR: Gry/Brn					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11566					
COMMENT:					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE 50 %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 50 %					
TOTAL NON-FIBROUS MATERIALS 10 %					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-2-69	FLR:	RM:2	OTHER:	
MATERIAL TYPE: Thermal Insulation					
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11567					
COMMENT:					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 65 %					
TOTAL NON-FIBROUS MATERIALS 35 %					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-2-70	FLR:	RM:2	OTHER:	
MATERIAL TYPE: Thermal Insulation					
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Non-Homogenous					
COLOR: Gry/Brn					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11568					
COMMENT:					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE 80 %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 80 %					
TOTAL NON-FIBROUS MATERIALS 15 %					

RECEIVED: 8/29/94

MICROSCOPIST: *Michael L. Harris*

DATE ANALYZED: 9/8/94

SUPERVISOR: *Vince L. Harris*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (5/94)

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ST. LOUIS, MO 63125

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NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: T-1-2-65	RM: 2	MATERIAL TYPE: Thermal Insulation
BLDG: 1	FLR:	OTHER:
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Non-Homogenous		
COLOR: Gry/Brn		
METHOD OF ANALYSIS: EPA		
LAB SAMPLE NUMBER: 647 083194 11569		
COMMENT:		
<u>RESULTS</u>		
AMOSITE %		
ANTHOPHYLLITE %		
CHRYSTILE 80 %		
CROCIDOLITE %		
TREMOLITE/ACTINOLITE %		
OTHER ASBESTOS %		
TOTAL ASBESTOS 80 %		
TOTAL NON-FIBROUS MATERIALS 15 %		

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: T-1-2-66	RM: 2	MATERIAL TYPE: Thermal Insulation
BLDG: 1	FLR:	OTHER:
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Homogenous		
COLOR: Grey		
METHOD OF ANALYSIS: EPA		
LAB SAMPLE NUMBER: 647 083194 11570		
COMMENT:		
<u>RESULTS</u>		
AMOSITE %		
ANTHOPHYLLITE %		
CHRYSTILE %		
CROCIDOLITE %		
TREMOLITE/ACTINOLITE %		
OTHER ASBESTOS %		
TOTAL ASBESTOS %		
TOTAL NON-FIBROUS MATERIALS 35 %		

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: T-1-2-67	RM: 2	MATERIAL TYPE: Thermal Insulation
BLDG: 1	FLR:	OTHER:
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Homogenous		
COLOR: Grey		
METHOD OF ANALYSIS: EPA		
LAB SAMPLE NUMBER: 647 083194 11571		
COMMENT:		
<u>RESULTS</u>		
AMOSITE %		
ANTHOPHYLLITE %		
CHRYSTILE 80 %		
CROCIDOLITE %		
TREMOLITE/ACTINOLITE %		
OTHER ASBESTOS %		
TOTAL ASBESTOS 80 %		
TOTAL NON-FIBROUS MATERIALS 15 %		

RECEIVED: 8/29/94

MICROSCOPIST: *Michael L. Harris*

DATE ANALYZED: 9/8/94

SUPERVISOR: *VINCE LAMAR*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421	
FACILITY SAMPLE NO: T-1-2-62	RM:	MATERIAL TYPE: Thermal Insulation	
BLDG:1	FLR:2	OTHER:	
<u>SAMPLE DESCRIPTION:</u>			
HOMOGENEITY: Non-Homogenous			
COLOR: Gry/Brn			
METHOD OF ANALYSIS: EPA			
LAB SAMPLE NUMBER: 647 083194 11572			
COMMENT:			
<u>RESULTS</u>			
AMOSITE	%	CELLULOSE	90 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	5 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	90 %
OTHER ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	5 %
TOTAL ASBESTOS	5 %		
FACILITY: 647 JJPVAMC Poplar Bluff			
CONTACT PERSON: G Cates			
TELEPHONE: 700-276-8421			
FACILITY SAMPLE NO: T-1-2-63			
RM:			
BLDG:1			
FLR:2			
OTHER:			
<u>SAMPLE DESCRIPTION:</u>			
HOMOGENEITY: Homogenous			
COLOR: Grey			
METHOD OF ANALYSIS: EPA			
LAB SAMPLE NUMBER: 647 083194 11573			
COMMENT:			
<u>RESULTS</u>			
AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	80 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	80 %
OTHER ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	20 %
TOTAL ASBESTOS	%		
FACILITY: 647 JJPVAMC Poplar Bluff			
CONTACT PERSON: G Cates			
TELEPHONE: 700-276-8421			
FACILITY SAMPLE NO: T-1-2-64			
RM:			
BLDG:1			
FLR:2			
OTHER:			
<u>SAMPLE DESCRIPTION:</u>			
HOMOGENEITY: Homogenous			
COLOR: Grey			
METHOD OF ANALYSIS: EPA			
LAB SAMPLE NUMBER: 647 083194 11574			
COMMENT:			
<u>RESULTS</u>			
AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	60 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	60 %
OTHER ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	40 %
TOTAL ASBESTOS	%		

RECEIVED: 8/29/94

MICROSCOPIST:

*Michael L. Harris*

SUPERVISOR:

*James L. V.*

DATE ANALYZED: 9/8/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NWLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-2-59	FLR:2	RM:	OTHER:	MATERIAL TYPE: Thermal Insulation
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11575					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYCOTILE 60 %					
CROCICOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 60 %					
TOTAL NON-FIBROUS MATERIALS 20 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-2-60	FLR:2	RM:	OTHER:	MATERIAL TYPE: Thermal Insulation
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11576					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYCOTILE 60 %					
CROCICOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 60 %					
TOTAL NON-FIBROUS MATERIALS 20 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-2-61	FLR:2	RM:	OTHER:	MATERIAL TYPE: Thermal Insulation
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11577					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYCOTILE 60 %					
CROCICOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 60 %					
TOTAL NON-FIBROUS MATERIALS 40 %					
COMMENT:					

RECEIVED: 8/29/94

MICROSCOPIST: *Michael L. Harris*

DATE ANALYZED: 9/8/94

SUPERVISOR: *Vince M. Harris*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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ST. LOUIS, MO 63125

ACCREDITATION: U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1406

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: T-6-BS-01	FLR: Bsmt RM:	MATERIAL TYPE: Thermal Insulation
<b>SAMPLE DESCRIPTION:</b>		
HOMOGENEITY: Homogenous	<b>RESULTS</b>	
COLOR: White	AMOSITE 60 %	CELLULOSE %
	ANTHOPHYLLITE %	FIBERGLASS %
	CHRYSTOLITE 5 %	SYNTHETIC %
METHOD OF ANALYSIS: EPA	CROCIDOLITE %	OTHER NON-ASBESTOS %
LAB SAMPLE NUMBER: 647 083194 11578	TREMOLITE/ACTINOLITE %	TOTAL NON-ASBESTOS %
COMMENT:	OTHER ASBESTOS %	
	TOTAL ASBESTOS 65 %	TOTAL NON-FIBROUS MATERIALS 35 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: T-6-BS-02	FLR: Bsmt RM:	MATERIAL TYPE: Thermal Insulation
<b>SAMPLE DESCRIPTION:</b>		
HOMOGENEITY: Homogenous	<b>RESULTS</b>	
COLOR: Grey	AMOSITE %	CELLULOSE %
	ANTHOPHYLLITE %	FIBERGLASS 60 %
	CHRYSTOLITE 20 %	SYNTHETIC %
METHOD OF ANALYSIS: EPA	CROCIDOLITE %	OTHER NON-ASBESTOS %
LAB SAMPLE NUMBER: 647 083194 11579	TREMOLITE/ACTINOLITE %	TOTAL NON-ASBESTOS 60 %
COMMENT:	OTHER ASBESTOS %	
	TOTAL ASBESTOS 20 %	TOTAL NON-FIBROUS MATERIALS 20 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: T-6-BS-03	FLR: Bsmt RM:	MATERIAL TYPE: Thermal Insulation
<b>SAMPLE DESCRIPTION:</b>		
HOMOGENEITY: Non-Homogenous	<b>RESULTS</b>	
COLOR: Gry/Brn	AMOSITE %	CELLULOSE 20 %
	ANTHOPHYLLITE %	FIBERGLASS %
	CHRYSTOLITE 60 %	SYNTHETIC %
METHOD OF ANALYSIS: EPA	CROCIDOLITE %	OTHER NON-ASBESTOS %
LAB SAMPLE NUMBER: 647 083194 11580	TREMOLITE/ACTINOLITE %	TOTAL NON-ASBESTOS 20 %
COMMENT:	OTHER ASBESTOS %	
	TOTAL ASBESTOS 60 %	TOTAL NON-FIBROUS MATERIALS 20 %

RECEIVED: 8/29/94

MICROSCOPIST: *Michael L. Lafferty*

DATE ANALYZED: 9/8/94

SUPERVISOR: *W. J. [Signature]*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1465

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-BS-47  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: BS  
OTHER: 80 %  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11581

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYCOTILE	80 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	80 %	TOTAL NON-FIBROUS MATERIALS	20 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-BS-48  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: BS  
OTHER: 80 %  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11582

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	5 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYCOTILE	80 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	5 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	80 %	TOTAL NON-FIBROUS MATERIALS	15 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-BS-49  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: BS  
OTHER: 80 %  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11583

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	5 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYCOTILE	80 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	5 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	80 %	TOTAL NON-FIBROUS MATERIALS	15 %

RECEIVED: 8/29/94

MICROSCOPIST: *Michael L. Harris*

DATE ANALYZED: 9/8/94

SUPERVISOR: *YANCEY*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1408

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-BS-50	FLR:	RM: BS	OTHER:	MATERIAL TYPE: Thermal Insulation
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Non-Homogenous					
COLOR: Gry/Brn					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11584					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOTILE 80 %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 80 %					
TOTAL NON-FIBROUS MATERIALS 15 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-BS-51	FLR:	RM: BS	OTHER:	MATERIAL TYPE: Thermal Insulation
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Non-Homogenous					
COLOR: Brn/Blk					
METHOD OF ANALYSIS: Solvent and EPA					
LAB SAMPLE NUMBER: 647 083194 11585					
<u>RESULTS</u>					
AMOSITE .5 %					
ANTHOPHYLLITE %					
CHRYSTOTILE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS .5 %					
TOTAL NON-FIBROUS MATERIALS 99.5 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-BS-52	FLR:	RM: BS	OTHER:	MATERIAL TYPE: Thermal Insulation
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11586					
<u>RESULTS</u>					
AMOSITE 40 %					
ANTHOPHYLLITE 5 %					
CHRYSTOTILE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 45 %					
TOTAL NON-FIBROUS MATERIALS 55 %					
COMMENT:					

*Michael L. Harris*

RECEIVED: 8/29/94

MICROSCOPIST:

DATE ANALYZED: 9/8/94

SUPERVISOR:

*Vince [Signature]*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)



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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-BS-53  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: BS  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11587  
COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	5 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	5 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	95 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-BS-54  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: BS  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: White  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11588  
COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	10 %
ANTHOPHYLLITE	%	FIBERGLASS	5 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	15 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	85 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-BS-55  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: BS  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Brown  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11589  
COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	2 %
ANTHOPHYLLITE	%	FIBERGLASS	5 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	7 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	93 %

*Michael L. Harris*

RECEIVED: 8/29/94  
MICROSCOPIST: *Michael L. Harris*  
DATE ANALYZED: 9/9/94

SUPERVISOR: *YIMOR L. HARRIS*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-BS-56	FLR:	RM: BS	OTHER:	MATERIAL TYPE: Thermal Insulation
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Non-Homogenous					
COLOR: Gr/OffWh					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11590					
<b>COMMENT:</b>					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 55 %					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-BS-57	FLR:	RM: BS	OTHER:	MATERIAL TYPE: Thermal Insulation
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Non-Homogenous					
COLOR: Gr/OffWh					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11591					
<b>COMMENT:</b>					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE 45 %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 45 %					
TOTAL NON-FIBROUS MATERIALS 5 %					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-BS-58	FLR:	RM: BS	OTHER:	MATERIAL TYPE: Thermal Insulation
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11592					
<b>COMMENT:</b>					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE 80 %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 80 %					
TOTAL NON-FIBROUS MATERIALS 20 %					

RECEIVED: 8/29/94

MICROSCOPIST:

DATE ANALYZED: 9/9/94

SUPERVISOR:

*Michael L. Lofgren*

*Wanda L. Lofgren*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-8-1-1	FLR:	RM: Hallway OTHER:	MATERIAL TYPE: Floor Tile	
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11593					
<u>RESULTS</u>					
AMOSITE % CELLULOSE %					
ANTHOPHYLLITE % FIBERGLASS %					
CHRYSOPILE % SYNTHETIC %					
CROCIDOLITE % OTHER NON-ASBESTOS %					
TREMOLITE/ACTINOLITE % TOTAL NON-ASBESTOS %					
OTHER ASBESTOS %					
TOTAL ASBESTOS % TOTAL NON-FIBROUS MATERIALS 100 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-8-1-2T	FLR:	RM: Workshop OTHER:	MATERIAL TYPE: Floor Tile	
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: Solvent and EPA					
LAB SAMPLE NUMBER: 647 083194 11594					
<u>RESULTS</u>					
AMOSITE % CELLULOSE %					
ANTHOPHYLLITE % FIBERGLASS %					
CHRYSOPILE % SYNTHETIC %					
CROCIDOLITE % OTHER NON-ASBESTOS %					
TREMOLITE/ACTINOLITE % TOTAL NON-ASBESTOS %					
OTHER ASBESTOS %					
TOTAL ASBESTOS % TOTAL NON-FIBROUS MATERIALS 100 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-8-1-2M	FLR:	RM: Workshop OTHER:	MATERIAL TYPE: Mastic	
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Black					
METHOD OF ANALYSIS: Solvent and EPA					
LAB SAMPLE NUMBER: 647 083194 11595					
<u>RESULTS</u>					
AMOSITE % CELLULOSE %					
ANTHOPHYLLITE % FIBERGLASS %					
CHRYSOPILE % SYNTHETIC %					
CROCIDOLITE % OTHER NON-ASBESTOS %					
TREMOLITE/ACTINOLITE % TOTAL NON-ASBESTOS %					
OTHER ASBESTOS %					
TOTAL ASBESTOS % TOTAL NON-FIBROUS MATERIALS 100 %					
COMMENT:					

RECEIVED:	8/29/94	MICROSCOPIST:	<i>Michael L. Harris</i>	SUPERVISOR:	<i>Vince L. Harris</i>
		DATE ANALYZED:	9/9/94		

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-8-1-3T  
BLDG: 8  
FLR: RM: Workshop OTHER: G Cates  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11596

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-8-1-3M  
BLDG: 8  
FLR: RM: Workshop OTHER: G Cates  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Mastic

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11597

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-6-BS-07  
BLDG: 6  
FLR: Bsmt RM: OTHER: G Cates  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11598

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	30 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	60 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	30 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	60 %	TOTAL NON-FIBROUS MATERIALS	10 %

RECEIVED: 8/29/94  
MICROSCOPIST: *Michael L. Lofgren*  
DATE ANALYZED: 9/9/94  
SUPERVISOR: *VANCE L. HARRIS*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-8-1-01  
BLDG: 8 FLR: 1 RM: OTHER: G Cates  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Gry/Brn

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11599

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	5 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	80 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	5 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	80 %	TOTAL NON-FIBROUS MATERIALS	15 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-8-1-02  
BLDG: 8 FLR: RM: 1 OTHER: G Cates  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11600

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	40 %
CHRYSOTILE	40 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	40 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	40 %	TOTAL NON-FIBROUS MATERIALS	20 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-6-1-7  
BLDG: 6 FLR: RM: 1007 OTHER: G Cates  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Plaster(on cement)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11601

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

RECEIVED: 8/29/94  
MICROSCOPIST: *Michael L. Harris*  
DATE ANALYZED: 9/9/94  
SUPERVISOR: *YOUNG*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-6-1-8  
BLDG: 6  
FLR:  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Plaster (on cement)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11602

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-6-1-4  
BLDG: 6  
FLR:  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other (drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: White  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11603

RESULTS

AMOSITE	%	CELLULOSE	2 %
ANTHOPHYLLITE	%	FIBERGLASS	2 %
CHRYSOTILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	4 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	96 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-6-1-5  
BLDG: 6  
FLR:  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Gry/WWh  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11604

RESULTS

AMOSITE	%	CELLULOSE	80 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	80 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	20 %

COMMENT:

*Michael L. Harris*

VINCE

SUPERVISOR:

RECEIVED: 8/29/94

MICROSCOPIST:

DATE ANALYZED: 9/9/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-6-1-6  
BLDG: 6  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Plaster (on cement)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Off-White

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11605

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOITILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-6-1-1  
BLDG: 6  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11606

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOITILE	10 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	10 %	TOTAL NON-FIBROUS MATERIALS	90 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-6-1-2T  
BLDG: 6  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11607

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOITILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

RECEIVED: 8/29/94

MICROSCOPIST: *Michael L. Harris*

DATE ANALYZED: 9/9/94

SUPERVISOR: *VINCE J. [Signature]*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-6-1-2M  
BLDG: 6  
FLR:  
CONTACT PERSON: G Cates  
RM: Elec.  
OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Mastic

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Amber  
METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11608

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-6-1-3T  
BLDG: 6  
FLR:  
CONTACT PERSON: G Cates  
RM: Elec.  
OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11609

RESULTS

AMOSITE	%	CELLULOSE	2 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	2 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	98 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-6-1-3M  
BLDG: 6  
FLR:  
CONTACT PERSON: G Cates  
RM: Elec.  
OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Mastic

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Amber  
METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11610

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

COMMENT:

RECEIVED: 8/29/94

MICROSCOPIST:

DATE ANALYZED: 9/9/94

SUPERVISOR: VINCE [Signature]

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)



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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-6-BS-04	FLR: Bsmt	RM:	MATERIAL TYPE:	Thermal Insulation
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Non-Homogenous					
COLOR: Gry/Blk					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11611					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSOTILE 60 %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 60 %					
TOTAL NON-FIBROUS MATERIALS 20 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-6-BS-05	FLR: Bsmt	RM:	MATERIAL TYPE:	Thermal Insulation
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11612					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSOTILE 60 %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 60 %					
TOTAL NON-FIBROUS MATERIALS 40 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-6-BS-06	FLR: Bsmt	RM:	MATERIAL TYPE:	Thermal Insulation
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11613					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSOTILE 80 %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 80 %					
TOTAL NON-FIBROUS MATERIALS 20 %					
COMMENT:					

RECEIVED: 8/29/94

MICROSCOPIST:

DATE ANALYZED: 9/9/94

SUPERVISOR:

*Michael L. Harris*

*VANCE*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: F-1-3-139T	RM: Hwy/3041 OTHER:	MATERIAL TYPE: Floor Tile
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Homogenous		
COLOR: Grey		
METHOD OF ANALYSIS: Solvent and EPA		
LAB SAMPLE NUMBER: 647 083194 11614		
<u>RESULTS</u>		
	AMOSITE	%
	ANTHOPHYLLITE	%
	CHRYSTOLITE	%
	CROCIDOLITE	%
	TREMOLITE/ACTINOLITE	%
	OTHER ASBESTOS	%
COMMENT:	TOTAL ASBESTOS	%
	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: F-1-3-139M	RM: Hwy/3041 OTHER:	MATERIAL TYPE: Mastic
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Homogenous		
COLOR: Black		
METHOD OF ANALYSIS: Solvent and EPA		
LAB SAMPLE NUMBER: 647 083194 11615		
<u>RESULTS</u>		
	AMOSITE	%
	ANTHOPHYLLITE	%
	CHRYSTOLITE	%
	CROCIDOLITE	%
	TREMOLITE/ACTINOLITE	%
	OTHER ASBESTOS	%
COMMENT:	TOTAL ASBESTOS	%
	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: F-1-3-140	RM: Hwy/3041 OTHER:	MATERIAL TYPE: Floor Tile
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Homogenous		
COLOR: Black		
METHOD OF ANALYSIS: Solvent and EPA		
LAB SAMPLE NUMBER: 647 083194 11616		
<u>RESULTS</u>		
	AMOSITE	%
	ANTHOPHYLLITE	%
	CHRYSTOLITE	%
	CROCIDOLITE	%
	TREMOLITE/ACTINOLITE	%
	OTHER ASBESTOS	%
COMMENT:	TOTAL ASBESTOS	%
	TOTAL NON-FIBROUS MATERIALS	100 %

RECEIVED: 8/29/94

MICROSCOPIST: *Michael L. Harris*

DATE ANALYZED: 9/9/94

SUPERVISOR: *YIMOR KAHN*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-1-3-141	FLR:	RM: 3034/elec. OTHER:	MATERIAL TYPE: Floor Tile	
SAMPLE DESCRIPTION:		RESULTS			
HOMOGENEITY: Homogenous		AMOSITE			
COLOR: Grey		ANTHOPHYLLITE			
		CHRYSTOLITE			
		CROCIDOLITE			
METHOD OF ANALYSIS: Solvent and EPA		TREMOLITE/ACTINOLITE			
LAB SAMPLE NUMBER: 647 083194 11617		OTHER ASBESTOS			
COMMENT:		TOTAL ASBESTOS			
		TOTAL NON-FIBROUS MATERIALS 100 %			

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-1-3-142	FLR:	RM: 3136/otstd OTHER:	MATERIAL TYPE: Floor Tile	
SAMPLE DESCRIPTION:		RESULTS			
HOMOGENEITY: Homogenous		AMOSITE			
COLOR: Black		ANTHOPHYLLITE			
		CHRYSTOLITE			
		CROCIDOLITE			
METHOD OF ANALYSIS: Solvent and EPA		TREMOLITE/ACTINOLITE			
LAB SAMPLE NUMBER: 647 083194 11618		OTHER ASBESTOS			
COMMENT:		TOTAL ASBESTOS			
		TOTAL NON-FIBROUS MATERIALS 100 %			

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-1-3-143	FLR:	RM: 3138/otstd OTHER:	MATERIAL TYPE: Floor Tile	
SAMPLE DESCRIPTION:		RESULTS			
HOMOGENEITY: Homogenous		AMOSITE			
COLOR: Grey		ANTHOPHYLLITE			
		CHRYSTOLITE			
		CROCIDOLITE			
METHOD OF ANALYSIS: Solvent and EPA		TREMOLITE/ACTINOLITE			
LAB SAMPLE NUMBER: 647 083194 11619		OTHER ASBESTOS			
COMMENT:		TOTAL ASBESTOS			
		TOTAL NON-FIBROUS MATERIALS 100 %			

*Michael L. Harris*

RECEIVED: 8/29/94

MICROSCOPIST:

DATE ANALYZED: 9/9/94

SUPERVISOR:

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-3-144T  
F-1-4-164T  
SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11620  
COMMENT:

BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 4057/otsd  
OTHER:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOITILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-3-144M  
F-1-4-164M  
SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black  
METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11621  
COMMENT:

BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 4057/otsd  
OTHER:

RESULTS

AMOSITE	%	CELLULOSE	5 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOITILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	5 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	95 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-4-145  
SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black  
METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11622  
COMMENT:

BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 4057/otsd  
OTHER:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOITILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

RECEIVED: 8/29/94  
MICROSCOPIST: Michael L. Lofgren  
DATE ANALYZED: 9/9/94  
SUPERVISOR: YOUNG L. L. L. L.

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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ACCREDITATION: U.S. DEPARTMENT OF COMMERCE  
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NVLAP NO. 1405

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-4-146  
BLDG: 1  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11623

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-4-147  
BLDG: 1  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11624

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-4-148  
BLDG: 1  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11625

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

RECEIVED: 8/29/94  
MICROSCOPIST: *Michael L. Harris*  
DATE ANALYZED: 9/9/94  
SUPERVISOR: *Vince L. Harris*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421	
FACILITY SAMPLE NO: F-1-5-149	RM: 5013/next OTHER:	MATERIAL TYPE: Floor Tile	
<u>SAMPLE DESCRIPTION:</u>			
HOMOGENEITY: Homogenous			
COLOR: Black			
METHOD OF ANALYSIS: Solvent and EPA			
LAB SAMPLE NUMBER: 647 083194 11626			
COMMENT:			
<u>RESULTS</u>			
AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421	
FACILITY SAMPLE NO: F-1-5-150T	RM: 5015/next OTHER:	MATERIAL TYPE: Floor Tile	
<u>SAMPLE DESCRIPTION:</u>			
HOMOGENEITY: Homogenous			
COLOR: Grey			
METHOD OF ANALYSIS: Solvent and EPA			
LAB SAMPLE NUMBER: 647 083194 11627			
COMMENT:			
<u>RESULTS</u>			
AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421	
FACILITY SAMPLE NO: F-1-5-150M	RM: 5015/next OTHER:	MATERIAL TYPE: Mastic	
<u>SAMPLE DESCRIPTION:</u>			
HOMOGENEITY: Homogenous			
COLOR: Black			
METHOD OF ANALYSIS: Solvent and EPA			
LAB SAMPLE NUMBER: 647 083194 11628			
COMMENT:			
<u>RESULTS</u>			
AMOSITE	%	CELLULOSE	5 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	5 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	95 %

RECEIVED: 8/29/94

MICROSCOPIST: *Michael L. Lafferty*  
DATE ANALYZED: 9/9/94

SUPERVISOR: *Vince L. Lafferty*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NPLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421	
FACILITY SAMPLE NO: F-1-5-151	RM: 5054/otsd OTHER:	MATERIAL TYPE: Floor Tile	
<b>SAMPLE DESCRIPTION:</b>			
HOMOGENEITY: Homogenous			
COLOR: Black			
<b>METHOD OF ANALYSIS:</b> Solvent and EPA			
LAB SAMPLE NUMBER: 647 083194 11629			
<b>COMMENT:</b>			
<b>RESULTS</b>			
AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%	TOTAL ASBESTOS	%
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421	
FACILITY SAMPLE NO: F-1-5-152	RM: 5054/otsd OTHER:	MATERIAL TYPE: Floor Tile	
<b>SAMPLE DESCRIPTION:</b>			
HOMOGENEITY: Homogenous			
COLOR: Grey			
<b>METHOD OF ANALYSIS:</b> Solvent and EPA			
LAB SAMPLE NUMBER: 647 083194 11630			
<b>COMMENT:</b>			
<b>RESULTS</b>			
AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%	TOTAL ASBESTOS	%
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421	
FACILITY SAMPLE NO: F-1-5-153T	RM: 50684/otsd OTHER:	MATERIAL TYPE: Floor Tile	
<b>SAMPLE DESCRIPTION:</b>			
HOMOGENEITY: Homogenous			
COLOR: Green			
<b>METHOD OF ANALYSIS:</b> Solvent and EPA			
LAB SAMPLE NUMBER: 647 083194 11631			
<b>COMMENT:</b>			
<b>RESULTS</b>			
AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%	TOTAL ASBESTOS	%
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

RECEIVED: 8/29/94  
MICROSCOPIST: *Michael L. Hartzel*  
DATE ANALYZED: 9/9/94  
SUPERVISOR: *WINGB*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-5-153M  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Mastic

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11632

COMMENT:

<u>RESULTS</u>	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSTOLITE	%
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
TOTAL ASBESTOS	%
TOTAL NON-FIBROUS MATERIALS	9 5 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-2-154  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Green

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11633

COMMENT:

<u>RESULTS</u>	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSTOLITE	2 %
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
TOTAL ASBESTOS	2 %
TOTAL NON-FIBROUS MATERIALS	9 6 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-2-155  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Green

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11634

COMMENT:

<u>RESULTS</u>	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSTOLITE	2 %
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
TOTAL ASBESTOS	2 %
TOTAL NON-FIBROUS MATERIALS	9 8 %

RECEIVED: 8/29/94

MICROSCOPIST: *Michael L. Harris*

DATE ANALYZED: 9/9/94

SUPERVISOR: *WILLIAM L. HARRIS*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)



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NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
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ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-2-156  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 2026  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11635

COMMENT:

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-2-160  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 2010/next  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11636

COMMENT:

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-2-161  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 2010/next  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11637

COMMENT:

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

RECEIVED: 8/29/94  
MICROSCOPIST: *Michael L. Harris*  
DATE ANALYZED: 9/9/94  
SUPERVISOR: *Vince W. Harris*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-2-162  
BLDG: 1  
FLR: RM: 2037  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other(drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11638

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	20 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	20 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	80 %

FACILITY: 647 JPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-3-124  
BLDG: 1  
FLR: RM: 3043  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11639

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	40 %
ANTHOPHYLLITE	%	FIBERGLASS	40 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	80 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	20 %

FACILITY: 647 JPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-3-125  
BLDG: 1  
FLR: RM: 3033  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11640

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	20 %
ANTHOPHYLLITE	%	FIBERGLASS	40 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	60 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	40 %

RECEIVED: 8/29/94  
MICROSCOPIST: *Michael L. Harris*  
DATE ANALYZED: 9/9/94  
SUPERVISOR: *VANCE L. HARRIS*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-3-126  
BLDG:1 FLR: RM:3100 CONTACT PERSON: G Cates TELEPHONE: 700-276-8421  
MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11641

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	40 %
ANTHOPHYLLITE	%	FIBERGLASS	40 %
CHRYSOTILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	80 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	20 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-3-127  
BLDG:1 FLR: RM:3116/firedr OTHER: CONTACT PERSON: G Cates TELEPHONE: 700-276-8421  
MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11642

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	40 %
ANTHOPHYLLITE	%	FIBERGLASS	40 %
CHRYSOTILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	80 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	20 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-3-128  
BLDG:1 FLR: RM:3136/3133 OTHER: CONTACT PERSON: G Cates TELEPHONE: 700-276-8421  
MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11643

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	40 %
ANTHOPHYLLITE	%	FIBERGLASS	40 %
CHRYSOTILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	80 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	20 %

RECEIVED: 8/29/94 MICROSCOPIST: Michael L. Harris SUPERVISOR: VINCE L. L...  
DATE ANALYZED: 9/9/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-4-129  
BLDG: 1  
FLR: 1  
RM: 1  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11644

RESULTS

AMOSITE	%	CELLULOSE	40 %
ANTHOPHYLLITE	%	FIBERGLASS	40 %
CHRYCOTILE	%	SYNTHETIC	%
CROCICOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	80 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	20 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-4-130  
BLDG: 1  
FLR: 1  
RM: 1  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Gry/Wh  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11645

RESULTS

AMOSITE	%	CELLULOSE	40 %
ANTHOPHYLLITE	%	FIBERGLASS	20 %
CHRYCOTILE	%	SYNTHETIC	%
CROCICOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	60 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	40 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-4-131  
BLDG: 1  
FLR: 1  
RM: 1  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Gry/Wh  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11646

RESULTS

AMOSITE	%	CELLULOSE	40 %
ANTHOPHYLLITE	%	FIBERGLASS	20 %
CHRYCOTILE	%	SYNTHETIC	%
CROCICOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	60 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	40 %

COMMENT:

RECEIVED: 8/29/94  
MICROSCOPIST: *Michael L. Harris*  
DATE ANALYZED: 9/12/94  
SUPERVISOR: *VINCE M. HARRIS*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: S-1-4-132	RM:	MATERIAL TYPE: Ceiling Tile
BLDG: 1	FLR:	
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Non-Homogenous	<u>RESULTS</u>	
COLOR: Gry/Wh	AMOSITE	% CELLULOSE 40 %
	ANTHOPHYLLITE	% FIBERGLASS 20 %
	CHRYSTOLITE	% SYNTHETIC %
METHOD OF ANALYSIS: EPA	CROCIDOLITE	% OTHER NON-ASBESTOS %
LAB SAMPLE NUMBER: 647 083194 11647	TREMOLITE/ACTINOLITE	% TOTAL NON-ASBESTOS 60 %
COMMENT:	OTHER ASBESTOS	%
	TOTAL ASBESTOS	%
	TOTAL NON-FIBROUS MATERIALS	40 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: S-1-4-133	RM:	MATERIAL TYPE: Ceiling Tile
BLDG: 1	FLR:	
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Non-Homogenous	<u>RESULTS</u>	
COLOR: Gry/Wh	AMOSITE	% CELLULOSE 40 %
	ANTHOPHYLLITE	% FIBERGLASS 20 %
	CHRYSTOLITE	% SYNTHETIC %
METHOD OF ANALYSIS: EPA	CROCIDOLITE	% OTHER NON-ASBESTOS %
LAB SAMPLE NUMBER: 647 083194 11648	TREMOLITE/ACTINOLITE	% TOTAL NON-ASBESTOS 60 %
COMMENT:	OTHER ASBESTOS	%
	TOTAL ASBESTOS	%
	TOTAL NON-FIBROUS MATERIALS	40 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: S-1-5-134	RM:	MATERIAL TYPE: Ceiling Tile
BLDG: 1	FLR:	
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Non-Homogenous	<u>RESULTS</u>	
COLOR: Gry/Wh	AMOSITE	% CELLULOSE 40 %
	ANTHOPHYLLITE	% FIBERGLASS 20 %
	CHRYSTOLITE	% SYNTHETIC %
METHOD OF ANALYSIS: EPA	CROCIDOLITE	% OTHER NON-ASBESTOS %
LAB SAMPLE NUMBER: 647 083194 11649	TREMOLITE/ACTINOLITE	% TOTAL NON-ASBESTOS 60 %
COMMENT:	OTHER ASBESTOS	%
	TOTAL ASBESTOS	%
	TOTAL NON-FIBROUS MATERIALS	40 %

RECEIVED: 8/29/94 MICROSCOPIST: *Michael L. Harris* SUPERVISOR: *VINCE L. Wooten*

DATE ANALYZED: 9/12/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (5/94)

ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NPL NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: S-1-5-135	OTHER: RM: BLDG: 1	MATERIAL TYPE: Ceiling Tile
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Non-Homogenous		
COLOR: Gry/Wh		
METHOD OF ANALYSIS: EPA		
LAB SAMPLE NUMBER: 647 083194 11650		
<u>RESULTS</u>		
AMOSITE	%	CELLULOSE 40 %
ANTHOPHYLLITE	%	FIBERGLASS 20 %
CHRYCOTILE	%	SYNTHETIC %
CROCICOLITE	%	OTHER NON-ASBESTOS %
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS 60 %
OTHER ASBESTOS	%	
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS 40 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: S-1-5-136	OTHER: RM: BLDG: 1	MATERIAL TYPE: Ceiling Tile
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Non-Homogenous		
COLOR: Gry/Wh		
METHOD OF ANALYSIS: EPA		
LAB SAMPLE NUMBER: 647 083194 11651		
<u>RESULTS</u>		
AMOSITE	%	CELLULOSE 40 %
ANTHOPHYLLITE	%	FIBERGLASS 20 %
CHRYCOTILE	%	SYNTHETIC %
CROCICOLITE	%	OTHER NON-ASBESTOS %
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS 60 %
OTHER ASBESTOS	%	
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS 40 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: S-1-5-137	OTHER: RM: BLDG: 1	MATERIAL TYPE: Ceiling Tile
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Non-Homogenous		
COLOR: Gry/Wh		
METHOD OF ANALYSIS: EPA		
LAB SAMPLE NUMBER: 647 083194 11652		
<u>RESULTS</u>		
AMOSITE	%	CELLULOSE 40 %
ANTHOPHYLLITE	%	FIBERGLASS 20 %
CHRYCOTILE	%	SYNTHETIC %
CROCICOLITE	%	OTHER NON-ASBESTOS %
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS 60 %
OTHER ASBESTOS	%	
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS 40 %

RECEIVED: 8/29/94	MICROSCOPIST: <i>Michael L. Harris</i>	SUPERVISOR: <i>Vince W. Harris</i>
DATE ANALYZED: 9/12/94		

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)". EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-5-138  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 1  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Gry/Wh  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11653

RESULTS

AMOSITE	%	CELLULOSE	40 %
ANTHOPHYLLITE	%	FIBERGLASS	20 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	60 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	40 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-20-1-1  
BLDG: 20  
FLR: 1  
CONTACT PERSON: G Cates  
RM: Transform  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11654

RESULTS

AMOSITE	%	CELLULOSE	1 %
ANTHOPHYLLITE	%	FIBERGLASS	1 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	2 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	98 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-20-1-2  
BLDG: 20  
FLR: 1  
CONTACT PERSON: G Cates  
RM: Transform  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Wh/Gry  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11655

RESULTS

AMOSITE	%	CELLULOSE	40 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	40 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	60 %

COMMENT:

RECEIVED: 8/29/94

MICROSCOPIST:

DATE ANALYZED: 9/12/94

SUPERVISOR:

*Michael L. Harris*

*VINCE*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NVLAP NO. 1405

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**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-20-1-3	RM:	Transform	OTHER:	
BLDG: 20 FLR:					
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Non-Homogenous					
COLOR: Wh/Bm					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11656					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 60 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-3-85	RM:	3	OTHER:	
BLDG: 1 FLR:					
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11657					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 20 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-3-86	RM:	3	OTHER:	
BLDG: 1 FLR:					
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11658					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE 80 %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 80 %					
TOTAL NON-FIBROUS MATERIALS 15 %					
COMMENT:					

RECEIVED: 8/29/94 MICROSCOPIST: Michael L. Harris SUPERVISOR: Wanda L. Harris  
DATE ANALYZED: 9/12/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)



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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-3-87  
BLDG: 1 FLR: RM: 3 CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Gry/Blk

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11659

COMMENT:

<u>RESULTS</u>	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYCOTILE	5 %
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
TOTAL ASBESTOS	5 %
TOTAL NON-FIBROUS MATERIALS	5 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-3-88  
BLDG: 1 FLR: RM: 3 CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11660

COMMENT:

<u>RESULTS</u>	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYCOTILE	%
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
TOTAL ASBESTOS	%
TOTAL NON-FIBROUS MATERIALS	20 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-3-89  
BLDG: 1 FLR: RM: 3 CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11661

COMMENT:

<u>RESULTS</u>	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYCOTILE	80 %
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
TOTAL ASBESTOS	80 %
TOTAL NON-FIBROUS MATERIALS	15 %

RECEIVED: 8/29/94  
MICROSCOPIST: *Michael L. Forre*  
DATE ANALYZED: 9/12/94  
SUPERVISOR: *YANCE J. JAMES*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-3-90  
BLDG: 1  
FLR: RM: 3  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11662

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	40 %
ANTHOPHYLLITE	%	FIBERGLASS	20 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	60 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	40 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-3-91  
BLDG: 1  
FLR: RM: 3  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Gry/Blk

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11663

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	70 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	20 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	70 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	20 %	TOTAL NON-FIBROUS MATERIALS	10 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-3-92  
BLDG: 1  
FLR: RM: 3  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Gry/Brn

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11664

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	70 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	20 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	70 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	20 %	TOTAL NON-FIBROUS MATERIALS	10 %

RECEIVED: 8/29/94  
MICROSCOPIST: *Michael L. Harris*  
DATE ANALYZED: 9/12/94  
SUPERVISOR: *VINCE L. HARRIS*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1406

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-3-93	FLR:	RM: 3	OTHER:	
MATERIAL TYPE: Thermal Insulation					
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11665					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 40 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-3-94	FLR:	RM: 3	OTHER:	
MATERIAL TYPE: Thermal Insulation					
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11666					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE 80 %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 80 %					
TOTAL NON-FIBROUS MATERIALS 15 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-4-95	FLR:	RM: 4	OTHER:	
MATERIAL TYPE: Thermal Insulation					
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11667					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE 80 %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 80 %					
TOTAL NON-FIBROUS MATERIALS 15 %					
COMMENT:					

*Michael L. Lofgren*  
VLMC

SUPERVISOR:

RECEIVED: 8/29/94  
MICROSCOPIST: *Michael L. Lofgren*  
DATE ANALYZED: 9/12/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-4-96  
BLDG: 1  
FLR: 1  
RM: 4  
CONTACT PERSON: G Cates  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11668  
COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	80 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	80 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	20 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-4-97  
BLDG: 1  
FLR: 1  
RM: 4  
CONTACT PERSON: G Cates  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11669  
COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	40 %
ANTHOPHYLLITE	%	FIBERGLASS	40 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	80 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	20 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-4-98  
BLDG: 1  
FLR: 1  
RM: 4  
CONTACT PERSON: G Cates  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11670  
COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	5 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	80 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	5 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	80 %	TOTAL NON-FIBROUS MATERIALS	15 %

RECEIVED: 8/29/94  
MICROSCOPIST: *Michael L. Harris*  
DATE ANALYZED: 9/12/94  
SUPERVISOR: *James J. V.*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-4-99  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 4  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Gry/Blk  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11671

RESULTS

AMOSITE	%	CELLULOSE	80 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	5 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	80 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	5 %	TOTAL NON-FIBROUS MATERIALS	15 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-4-100  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 4  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11672

RESULTS

AMOSITE	%	CELLULOSE	40 %
ANTHOPHYLLITE	%	FIBERGLASS	40 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	80 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	20 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-4-101  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 4  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11673

RESULTS

AMOSITE	%	CELLULOSE	90 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	5 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	90 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	5 %	TOTAL NON-FIBROUS MATERIALS	5 %

COMMENT:

RECEIVED: 8/29/94

MICROSCOPIST:

DATE ANALYZED: 9/12/94

SUPERVISOR:

*Michael L. Lofgren*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (5/94)

ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-4-102	RM:	4	OTHER:	
BLDG:	1	FLR:			
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11674					
<u>RESULTS</u>					
AMOSITE					
ANTHOPHYLLITE					
CHRYSOITILE					
CROCIDOLITE					
TREMOLITE/ACTINOLITE					
OTHER ASBESTOS					
TOTAL ASBESTOS					
TOTAL NON-FIBROUS MATERIALS					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-4-103	RM:	4	OTHER:	
BLDG:	1	FLR:			
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11675					
<u>RESULTS</u>					
AMOSITE					
ANTHOPHYLLITE					
CHRYSOITILE					
CROCIDOLITE					
TREMOLITE/ACTINOLITE					
OTHER ASBESTOS					
TOTAL ASBESTOS					
TOTAL NON-FIBROUS MATERIALS					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-4-104	RM:	4	OTHER:	
BLDG:	1	FLR:			
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11676					
<u>RESULTS</u>					
AMOSITE					
ANTHOPHYLLITE					
CHRYSOITILE					
CROCIDOLITE					
TREMOLITE/ACTINOLITE					
OTHER ASBESTOS					
TOTAL ASBESTOS					
TOTAL NON-FIBROUS MATERIALS					
COMMENT:					

*Michael L. Harris*

RECEIVED: 8/29/94

MICROSCOPIST:

SUPERVISOR:

DATE ANALYZED: 9/12/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-4-199  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 4011  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Off-White  
METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11677

RESULTS:  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSTOLITE %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS %  
TOTAL NON-FIBROUS MATERIALS 99.5 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-4-200  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 4034  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other(drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: White  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11678

RESULTS:  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSTOLITE %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS %  
TOTAL NON-FIBROUS MATERIALS 79.5 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-5-201  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 5038/next  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Plaster(on cement)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: White  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11679

RESULTS:  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSTOLITE %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS %  
TOTAL NON-FIBROUS MATERIALS 99.5 %

COMMENT:

RECEIVED: 8/29/94  
MICROSCOPIST: *Michael L. Harris*  
DATE ANALYZED: 9/12/94  
SUPERVISOR: *VINCE L. HARRIS*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NWLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-5-205  
BLDG: 1 FLR: Strwl RM: 5042 OTHER: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Green

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11680

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-GR-206T  
BLDG: GR FLR: RM: 81/Tel. OTHER: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Green

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11681

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	5 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	5 %	TOTAL NON-FIBROUS MATERIALS	95 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-GR-206M  
BLDG: GR FLR: RM: 81/Tel. OTHER: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Mastic

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11682

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	10 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	10 %	TOTAL NON-FIBROUS MATERIALS	90 %

COMMENT:

RECEIVED: 8/29/94 MICROSCOPIST: *Michael L. Harris* SUPERVISOR: *VINCE W. HART*

DATE ANALYZED: 9/12/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)



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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: M-16-1-207  
BLDG: 16  
FLR: 16  
CONTACT PERSON: G Cates  
RM: Gen./vent OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other(mfr insul)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: White  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11683  
COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOITILE	%	SYNTHETIC	40 %
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	40 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	60 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-3-190\*  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 3011/3012 OTHER: Fire eqpt closet  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other(drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: White  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11684  
COMMENT: \*Bulk coded.

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOITILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-3-191  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 3030 OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Green  
METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11685  
COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOITILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

RECEIVED: 8/29/94

MICROSCOPIST: *Michael L. Lefteris*  
DATE ANALYZED: 9/12/94

SUPERVISOR: *James A. [Signature]*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-3-192  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 3043  
OTHER: Fire eqpt closet next to 3043  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other (drywall)

**SAMPLE DESCRIPTION:**  
HOMOGENEITY: Homogenous  
COLOR: Off-White  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11686

**RESULTS**

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	<b>TOTAL NON-ASBESTOS</b>	%
OTHER ASBESTOS	%		
<b>TOTAL ASBESTOS</b>	%	<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>100 %</b>

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: M-16-RF-208  
BLDG: 16  
FLR: 1  
CONTACT PERSON: G Cates  
RM: Generator  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Roofing

**SAMPLE DESCRIPTION:**  
HOMOGENEITY: Homogenous  
COLOR: Black  
METHOD OF ANALYSIS: Ashing and EPA  
LAB SAMPLE NUMBER: 647 083194 11687

**RESULTS**

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	<b>TOTAL NON-ASBESTOS</b>	%
OTHER ASBESTOS	%		
<b>TOTAL ASBESTOS</b>	%	<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>100 %</b>

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-5-209  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: Stairwell  
OTHER: 1  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Plaster

**SAMPLE DESCRIPTION:**  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11688

**RESULTS**

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	<b>TOTAL NON-ASBESTOS</b>	%
OTHER ASBESTOS	%		
<b>TOTAL ASBESTOS</b>	%	<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>100 %</b>

COMMENT:

RECEIVED: 8/29/94  
MICROSCOPIST: *Michael L. Harris*  
DATE ANALYZED: 9/12/94  
SUPERVISOR: *Michael L. Harris*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: F-1-2-157	RM: 2022	MATERIAL TYPE: Floor Tile
BLDG: 1	FLR:	
<b>SAMPLE DESCRIPTION:</b>		
HOMOGENEITY: Homogenous	AMOSITE	%
COLOR: Off-White	ANTHOPHYLLITE	%
	CHRYSTOLITE	%
	CROCIDOLITE	%
METHOD OF ANALYSIS: Solvent and EPA	TREMOLITE/ACTINOLITE	%
LAB SAMPLE NUMBER: 647 083194 11689	OTHER ASBESTOS	%
COMMENT:	TOTAL ASBESTOS	%
	TOTAL NON-FIBROUS MATERIALS	100 %
<b>SAMPLE DESCRIPTION:</b>		
HOMOGENEITY: Homogenous	AMOSITE	%
COLOR: Brown	ANTHOPHYLLITE	%
	CHRYSTOLITE	5 %
	CROCIDOLITE	%
METHOD OF ANALYSIS: Solvent and EPA	TREMOLITE/ACTINOLITE	%
LAB SAMPLE NUMBER: 647 083194 11690	OTHER ASBESTOS	%
COMMENT:	TOTAL ASBESTOS	5 %
	TOTAL NON-FIBROUS MATERIALS	95 %
<b>SAMPLE DESCRIPTION:</b>		
HOMOGENEITY: Homogenous	AMOSITE	%
COLOR: Off-White	ANTHOPHYLLITE	%
	CHRYSTOLITE	%
	CROCIDOLITE	%
METHOD OF ANALYSIS: Solvent and EPA	TREMOLITE/ACTINOLITE	%
LAB SAMPLE NUMBER: 647 083194 11691	OTHER ASBESTOS	%
COMMENT:	TOTAL ASBESTOS	%
	TOTAL NON-FIBROUS MATERIALS	100 %

RECEIVED: 8/29/94

MICROSCOPIST: *Michael L. Hartzel*  
DATE ANALYZED: 9/12/94

SUPERVISOR: *Vince Miller*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-3-184  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 3133  
OTHER: 100 %  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Off-White  
METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11692

RESULTS  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSTOLITE %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS %  
TOTAL NON-FIBROUS MATERIALS 100 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-3-185  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 3133/wall  
OTHER: 100 %  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Plaster

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Off-White  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11693

RESULTS  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSTOLITE %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS %  
TOTAL NON-FIBROUS MATERIALS 100 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-3-186  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 3120/ceiling  
OTHER: 100 %  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Plaster

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Off-White  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11694

RESULTS  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSTOLITE %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS %  
TOTAL NON-FIBROUS MATERIALS 100 %

COMMENT:

RECEIVED: 8/29/94

MICROSCOPIST: *Michael L. Harris*

DATE ANALYZED: 9/12/94

SUPERVISOR: *Michael L. Harris*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-3-187	FLR:	RM: Hwy/ceil. OTHER:	MATERIAL TYPE: Plaster	
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: White					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11695					
COMMENT:					
		TOTAL ASBESTOS		TOTAL NON-FIBROUS MATERIALS 100 %	
		%		%	
		AMOSITE		CELLULOSE	
		ANTHOPHYLLITE		FIBERGLASS	
		CHRYCOTILE		SYNTHETIC	
		CROCIDOLITE		OTHER NON-ASBESTOS	
		TREMOLITE/ACTINOLITE		TOTAL NON-ASBESTOS	
		OTHER ASBESTOS		%	
		%		%	

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-3-188	FLR:	RM: 3111/wall OTHER:	MATERIAL TYPE: Other(drywall)	
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Non-Homogenous					
COLOR: Wh/Gry					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11696					
COMMENT:					
		TOTAL ASBESTOS		TOTAL NON-FIBROUS MATERIALS 80 %	
		%		%	
		AMOSITE		CELLULOSE	
		ANTHOPHYLLITE		FIBERGLASS	
		CHRYCOTILE		SYNTHETIC	
		CROCIDOLITE		OTHER NON-ASBESTOS	
		TREMOLITE/ACTINOLITE		TOTAL NON-ASBESTOS	
		OTHER ASBESTOS		20 %	
		%		%	

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-3-189	FLR:	RM: 3001/ceil. OTHER:	MATERIAL TYPE: Other(drywall)	
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Non-Homogenous					
COLOR: Wh/Brn					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 083194 11697					
COMMENT:					
		TOTAL ASBESTOS		TOTAL NON-FIBROUS MATERIALS 78 %	
		%		%	
		AMOSITE		CELLULOSE	
		ANTHOPHYLLITE		FIBERGLASS	
		CHRYCOTILE		SYNTHETIC	
		CROCIDOLITE		OTHER NON-ASBESTOS	
		TREMOLITE/ACTINOLITE		TOTAL NON-ASBESTOS	
		OTHER ASBESTOS		22 %	
		%		%	

RECEIVED: 8/29/94 MICROSCOPIST: Michael L. Harris SUPERVISOR: VINCE  
DATE ANALYZED: 9/12/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-3-193  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 3043  
OTHER: Elec. closet (3c)  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other(drywall)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: White

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11698

COMMENT:

<u>RESULTS</u>	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSOTILE	%
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
TOTAL ASBESTOS	%
CELLULOSE	20 %
FIBERGLASS	%
SYNTHETIC	%
OTHER NON-ASBESTOS	%
TOTAL NON-ASBESTOS	20 %
TOTAL NON-FIBROUS MATERIALS	80 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-4-194  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 4074c  
OTHER: (on cement)  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Plaster

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11699

COMMENT:

<u>RESULTS</u>	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSOTILE	%
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
TOTAL ASBESTOS	%
CELLULOSE	%
FIBERGLASS	%
SYNTHETIC	%
OTHER NON-ASBESTOS	%
TOTAL NON-ASBESTOS	%
TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F1-4-195  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 4074c/otstd  
OTHER: Floor Tile  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11700

COMMENT:

<u>RESULTS</u>	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSOTILE	%
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
TOTAL ASBESTOS	%
CELLULOSE	.5 %
FIBERGLASS	%
SYNTHETIC	%
OTHER NON-ASBESTOS	%
TOTAL NON-ASBESTOS	.5 %
TOTAL NON-FIBROUS MATERIALS	99.5 %

RECEIVED: 8/29/94  
MICROSCOPIST: *Michael L. Lafferty*  
DATE ANALYZED: 9/12/94  
SUPERVISOR: *YANCY K. K. K.*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421	
FACILITY SAMPLE NO: S-1-4-196	FLR: RM: 4086 OTHER:	MATERIAL TYPE: Plaster(on cement)	
<u>SAMPLE DESCRIPTION:</u>			
HOMOGENEITY: Homogenous			
COLOR: Grey			
METHOD OF ANALYSIS: EPA			
LAB SAMPLE NUMBER: 647 083194 11701			
COMMENT:			
<u>RESULTS</u>			
AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421	
FACILITY SAMPLE NO: S-1-4-197	FLR: RM: 4093/ceil. OTHER:	MATERIAL TYPE: Plaster(on cement)	
<u>SAMPLE DESCRIPTION:</u>			
HOMOGENEITY: Homogenous			
COLOR: White			
METHOD OF ANALYSIS: EPA			
LAB SAMPLE NUMBER: 647 083194 11702			
COMMENT:			
<u>RESULTS</u>			
AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421	
FACILITY SAMPLE NO: S-1-4-198	FLR: RM: 4000 OTHER:	MATERIAL TYPE: Plaster(on cement)	
<u>SAMPLE DESCRIPTION:</u>			
HOMOGENEITY: Homogenous			
COLOR: Grey			
METHOD OF ANALYSIS: EPA			
LAB SAMPLE NUMBER: 647 083194 11703			
COMMENT:			
<u>RESULTS</u>			
AMOSITE	%	CELLULOSE	.5 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	.5 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	99.5 %

RECEIVED: 8/29/94

MICROSCOPIST: Michael L. Harris  
DATE ANALYZED: 9/12/94

SUPERVISOR: VINCE HARRIS

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-5-202  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: 5031  
OTHER: 100 %  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Green  
METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 083194 11704

RESULTS  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSOTILE %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS %  
TOTAL NON-FIBROUS MATERIALS 100 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-5-203  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: Stairwell  
OTHER: 100 %  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Plaster (on cement)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Off-White  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11705

RESULTS  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSOTILE %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS %  
TOTAL NON-FIBROUS MATERIALS 100 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-5-204  
BLDG: 1  
FLR: 1  
CONTACT PERSON: G Cates  
RM: Stair/5042  
OTHER: 100 %  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Plaster (on cement)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: White  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 083194 11706

RESULTS  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSOTILE %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS %  
TOTAL NON-FIBROUS MATERIALS 100 %

COMMENT:

RECEIVED: 8/29/94  
MICROSCOPIST: *Michael L. Lofgren*  
DATE ANALYZED: 9/12/94  
SUPERVISOR: *VINCE L. LEE*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)



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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-3-1-028  
BLDG: 3  
FLR: 3  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other (trowl)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082294 10982  
COMMENT:

RESULTS  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSTOLITE %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS %  
TOTAL NON-FIBROUS MATERIALS 100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-3-1-029  
BLDG: 3  
FLR: 3  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other (trowl)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 10983  
COMMENT:

RESULTS  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSTOLITE %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS %  
TOTAL NON-FIBROUS MATERIALS 100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-3-1-030  
BLDG: 3  
FLR: 3  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Cove Base

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Brown  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 10984  
COMMENT:

RESULTS  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSTOLITE %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS %  
TOTAL NON-FIBROUS MATERIALS 100 %

RECEIVED: 8/18/94  
MICROSCOPIST: *Michael L. Harris*  
DATE ANALYZED: 8/24/94  
SUPERVISOR: *VINCE L. Harris*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: F-1-2-5	FLR: RM: Break rm OTHER:	MATERIAL TYPE: Other(trwl)
<b>SAMPLE DESCRIPTION:</b>		
HOMOGENEITY: Homogenous	AMOSITE	CELLULOSE
COLOR: Black	ANTHOPHYLLITE	FIBERGLASS
	CHRYSOITILE	SYNTHETIC
METHOD OF ANALYSIS: Solvent and EPA	CROCIDOLITE	OTHER NON-ASBESTOS
LAB SAMPLE NUMBER: 647 082394 10991	TREMOLITE/ACTINOLITE	TOTAL NON-ASBESTOS
COMMENT:	OTHER ASBESTOS	%
	TOTAL ASBESTOS	5 %
	TOTAL NON-FIBROUS MATERIALS	9.5 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: S-2-2-10	FLR: RM: Closet wall OTHER:	MATERIAL TYPE: Other(trwl)
<b>SAMPLE DESCRIPTION:</b>		
HOMOGENEITY: Homogenous	AMOSITE	CELLULOSE
COLOR: Off-White	ANTHOPHYLLITE	FIBERGLASS
	CHRYSOITILE	SYNTHETIC
METHOD OF ANALYSIS: EPA	CROCIDOLITE	OTHER NON-ASBESTOS
LAB SAMPLE NUMBER: 647 082394 10992	TREMOLITE/ACTINOLITE	TOTAL NON-ASBESTOS
COMMENT:	OTHER ASBESTOS	5 %
	TOTAL ASBESTOS	%
	TOTAL NON-FIBROUS MATERIALS	9.5 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: S-2-2-11	FLR: RM: Hwy closet OTHER:	MATERIAL TYPE: Other
<b>SAMPLE DESCRIPTION:</b>		
HOMOGENEITY: Homogenous	AMOSITE	CELLULOSE
COLOR: Off-White	ANTHOPHYLLITE	FIBERGLASS
	CHRYSOITILE	SYNTHETIC
METHOD OF ANALYSIS: EPA	CROCIDOLITE	OTHER NON-ASBESTOS
LAB SAMPLE NUMBER: 647 082394 10993	TREMOLITE/ACTINOLITE	TOTAL NON-ASBESTOS
COMMENT:	OTHER ASBESTOS	2 %
	TOTAL ASBESTOS	%
	TOTAL NON-FIBROUS MATERIALS	9.8 %

RECEIVED: 8/18/94 MICROSCOPIST: Michael L. Harris SUPERVISOR: W. J. Miller  
DATE ANALYZED: 8/24/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1465

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-2-1-12	FLR:	RM: Closet wall OTHER:	MATERIAL TYPE:	Other
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Homogenous					
COLOR: Off-White					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 10994					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSOTILE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 98 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-2-1-013	FLR:	RM: bdrm OTHER:	MATERIAL TYPE:	Other
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Homogenous					
COLOR: Off-White					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 10995					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSOTILE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 95 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-2-1-014	FLR:	RM: livgrm ceil. OTHER:	MATERIAL TYPE:	Other(sprayed on)
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Homogenous					
COLOR: Off-White					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 10996					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSOTILE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 100 %					
COMMENT:					

RECEIVED: 8/18/94 MICROSCOPIST: *Michael L. Lefor* SUPERVISOR: *Vernon L. Lefor*  
DATE ANALYZED: 8/24/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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U.S. DEPARTMENT OF COMMERCE  
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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-2-1-015	FLR:	RM: Hwy hall OTHER:	MATERIAL TYPE: Other	
SAMPLE DESCRIPTION:		RESULTS			
HOMOGENEITY: Homogenous		AMOSITE			
COLOR: Off-White		ANTHOPHYLLITE			
METHOD OF ANALYSIS: EPA		CHRYSOTILE			
LAB SAMPLE NUMBER: 647 082394 10997		CROCIDOLITE			
COMMENT:		TREMOLITE/ACTINOLITE			
		OTHER ASBESTOS			
		TOTAL ASBESTOS			
		TOTAL NON-FIBROUS MATERIALS			
		100 %			

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-3-1-016	FLR:	RM: Kitchen flr. OTHER:	MATERIAL TYPE: Floor Tile	
SAMPLE DESCRIPTION:		RESULTS			
HOMOGENEITY: Homogenous		AMOSITE			
COLOR: Off-White		ANTHOPHYLLITE			
METHOD OF ANALYSIS: EPA		CHRYSOTILE			
LAB SAMPLE NUMBER: 647 082394 10998		CROCIDOLITE			
COMMENT:		TREMOLITE/ACTINOLITE			
		OTHER ASBESTOS			
		TOTAL ASBESTOS			
		TOTAL NON-FIBROUS MATERIALS			
		60 %			

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-3-1-017	FLR:	RM: Hwy tile OTHER:	MATERIAL TYPE: Floor Tile	
SAMPLE DESCRIPTION:		RESULTS			
HOMOGENEITY: Non-Homogenous		AMOSITE			
COLOR: Beige		ANTHOPHYLLITE			
METHOD OF ANALYSIS: Solvent and EPA		CHRYSOTILE			
LAB SAMPLE NUMBER: 647 082394 10999		CROCIDOLITE			
COMMENT:		TREMOLITE/ACTINOLITE			
		OTHER ASBESTOS			
		TOTAL ASBESTOS			
		TOTAL NON-FIBROUS MATERIALS			
		100 %			

RECEIVED: 8/18/94 MICROSCOPIST: Michael L. Harris SUPERVISOR: VICTOR L. HARRIS

DATE ANALYZED: 8/24/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-3-1-018T  
BLDG: 3  
FLR: 1  
CONTACT PERSON: G Cates  
RM: bdrn  
OTHER: 100 %  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Beige  
METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082394 11000

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-3-1-018M  
BLDG: 3  
FLR: 1  
CONTACT PERSON: G Cates  
RM: bdrn  
OTHER: 100 %  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Mastic

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Black  
METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082394 11001

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-GR-27  
BLDG: 1  
FLR: Grnd  
CONTACT PERSON: G Cates  
RM: bdrn  
OTHER: 35 %  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11002

RESULTS

AMOSITE	%	CELLULOSE	5 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	60 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	5 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	60 %	TOTAL NON-FIBROUS MATERIALS	35 %

COMMENT:

RECEIVED: 8/18/94  
MICROSCOPIST: *Michael L. Harris*  
DATE ANALYZED: 8/24/94  
SUPERVISOR: *VINCE [Signature]*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-2-1-002	FLR:	RM: Closet OTHER:	MATERIAL TYPE: Floor Tile	
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Brown					
METHOD OF ANALYSIS: Solvent and EPA					
LAB SAMPLE NUMBER: 647 082394 11003					
<u>RESULTS</u>					
		AMOSITE	%	CELLULOSE	%
		ANTHOPHYLLITE	%	FIBERGLASS	%
		CHRYSOTILE	20 %	SYNTHETIC	%
		CROCIDOLITE	%	OTHER NON-ASBESTOS	%
		TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
		OTHER ASBESTOS	%		
COMMENT:		TOTAL ASBESTOS	20 %	TOTAL NON-FIBROUS MATERIALS	80 %

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-2-1-001	FLR:	RM: Kitchen OTHER:	MATERIAL TYPE: Floor Tile	
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Non-Homogenous					
COLOR: Gry/Brn					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11004					
<u>RESULTS</u>					
		AMOSITE	%	CELLULOSE	20 %
		ANTHOPHYLLITE	%	FIBERGLASS	5 %
		CHRYSOTILE	%	SYNTHETIC	%
		CROCIDOLITE	%	OTHER NON-ASBESTOS	%
		TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	25 %
		OTHER ASBESTOS	%		
COMMENT:		TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	75 %

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-2-1-003	FLR:	RM: Closet cell. OTHER:	MATERIAL TYPE: Other	
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Off-White					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11005					
<u>RESULTS</u>					
		AMOSITE	%	CELLULOSE	%
		ANTHOPHYLLITE	%	FIBERGLASS	%
		CHRYSOTILE	%	SYNTHETIC	%
		CROCIDOLITE	%	OTHER NON-ASBESTOS	%
		TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
		OTHER ASBESTOS	%		
COMMENT:		TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

RECEIVED: 8/18/94

MICROSCOPIST:

*Michael L. Lofgren*

DATE ANALYZED: 8/25/94

SUPERVISOR:

*VINCE J. JONES*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff CONTACT PERSON: G Cates TELEPHONE: 700-276-8421  
FACILITY SAMPLE NO: S-2-1-004 BLDG:2 FLR: RM: Kitchen OTHER: MATERIAL TYPE: Other

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: White

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11006

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	5 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	5 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	95 %

FACILITY: 647 JJPVAMC Poplar Bluff CONTACT PERSON: G Cates TELEPHONE: 700-276-8421  
FACILITY SAMPLE NO: S-2-2-005 BLDG:2 FLR: RM: Hwy ceil. OTHER: MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Off-White

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11007

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	80 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	80 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	20 %

FACILITY: 647 JJPVAMC Poplar Bluff CONTACT PERSON: G Cates TELEPHONE: 700-276-8421  
FACILITY SAMPLE NO: S-2-2-006 BLDG:2 FLR: RM: Bdrm ceil. OTHER: MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11008

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	80 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	80 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	20 %

RECEIVED: 8/18/94

MICROSCOPIST: *Michael L. Harris*

DATE ANALYZED: 8/25/94

SUPERVISOR: *Vince H. H. H.*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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ST. LOUIS, MO 63125

ACCREDITATION: U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff

FACILITY SAMPLE NO: S-2-2-007

BLDG:2

FLR:

CONTACT PERSON: G Cates

TELEPHONE: 700-276-8421

RM: Bdrm ceil. OTHER:

MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:

HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA

LAB SAMPLE NUMBER: 647 082394 11009

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	80 %
CHRYSOTILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	80 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	20 %

FACILITY: 647 JJPVAMC Poplar Bluff

FACILITY SAMPLE NO: S-2-2-008

BLDG:2

FLR:

CONTACT PERSON: G Cates

TELEPHONE: 700-276-8421

RM: Closet wall OTHER:

MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:

HOMOGENEITY: Homogenous  
COLOR: Off-White

METHOD OF ANALYSIS: EPA

LAB SAMPLE NUMBER: 647 082394 11010

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

FACILITY: 647 JJPVAMC Poplar Bluff

FACILITY SAMPLE NO: S-2-2-009

BLDG:2

FLR:

CONTACT PERSON: G Cates

TELEPHONE: 700-276-8421

RM: Bdrm wall OTHER:

MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:

HOMOGENEITY: Homogenous  
COLOR: Off-White

METHOD OF ANALYSIS: EPA

LAB SAMPLE NUMBER: 647 082394 11011

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	2 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	2 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	98 %

RECEIVED: 8/18/94

MICROSCOPIST: *Michael J. Pappas*  
DATE ANALYZED: 8/25/94

SUPERVISOR: *John J. Pappas*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)



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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-GR-16  
BLDG: 1  
CONTACT PERSON: G Cates  
FLR: Grnd  
RM:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: White  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11012

RESULTS  
AMOSITE 60 %  
ANTHOPHYLLITE %  
CHRYSTOLITE 5 %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS 65 %  
TOTAL NON-FIBROUS MATERIALS 35 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-GR-17  
BLDG: 1  
CONTACT PERSON: G Cates  
FLR: Grnd  
RM:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: White  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11013

RESULTS  
AMOSITE 40 %  
ANTHOPHYLLITE %  
CHRYSTOLITE 20 %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS 60 %  
TOTAL NON-FIBROUS MATERIALS 39 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-GR-18  
BLDG: 1  
CONTACT PERSON: G Cates  
FLR: Grnd  
RM:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11014

RESULTS  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSTOLITE 80 %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS 80 %  
TOTAL NON-FIBROUS MATERIALS 20 %

COMMENT:

RECEIVED: 8/18/94

MICROSCOPIST: *Michael L. Hoffman*

DATE ANALYZED: 8/25/94

SUPERVISOR: *Vince [Signature]*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-GR-19	FLR:Gmd	RM:	MATERIAL TYPE:	Thermal Insulation
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11015					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE 60 %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 60 %					
TOTAL NON-FIBROUS MATERIALS 20 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-GR-20	FLR:Gmd	RM:	MATERIAL TYPE:	Thermal Insulation
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Non-Homogenous					
COLOR: Gry/Wh					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11016					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE 5 %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 5 %					
TOTAL NON-FIBROUS MATERIALS 5 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-GR-21	FLR:Gmd	RM:	MATERIAL TYPE:	Thermal Insulation
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11017					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE 5 %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 5 %					
TOTAL NON-FIBROUS MATERIALS 5 %					
COMMENT:					

RECEIVED: 8/18/94

MICROSCOPIST: *Michael L. H. H. H.*

DATE ANALYZED: 8/25/94

SUPERVISOR: *W. H. H. H.*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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U.S. DEPARTMENT OF COMMERCE  
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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-GR-22  
BLDG: 1  
FLR: Grnd  
RM:  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11018

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	60 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	60 %	TOTAL NON-FIBROUS MATERIALS	40 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-GR-23  
BLDG: 1  
FLR: Grnd  
RM:  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11019

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	20 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	60 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	20 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	60 %	TOTAL NON-FIBROUS MATERIALS	20 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-1-GR-24  
BLDG: 1  
FLR: Grnd  
RM:  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11020

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	20 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	60 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	20 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	60 %	TOTAL NON-FIBROUS MATERIALS	20 %

RECEIVED: 8/18/94

MICROSCOPIST: *Michael J. [Signature]*

DATE ANALYZED: 8/25/94

SUPERVISOR: *[Signature]*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1465

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-GR-25	FLR:Grnd	RM:	OTHER:	MATERIAL TYPE: Thermal Insulation
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11021					
<b>RESULTS</b>					
AMOSITE		%		CELLULOSE	%
ANTHOPHYLLITE		%		FIBERGLASS	%
CHRYSTOLITE		80 %		SYNTHETIC	%
CROCIDOLITE		%		OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE		%		TOTAL NON-ASBESTOS	%
OTHER ASBESTOS		%			
TOTAL ASBESTOS		80 %		TOTAL NON-FIBROUS MATERIALS	20 %
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-1-GR-26	FLR:Grnd	RM:	OTHER:	MATERIAL TYPE: Thermal Insulation
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Non-Homogenous					
COLOR: Gry/Brn					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11022					
<b>RESULTS</b>					
AMOSITE		%		CELLULOSE	20 %
ANTHOPHYLLITE		%		FIBERGLASS	%
CHRYSTOLITE		60 %		SYNTHETIC	%
CROCIDOLITE		%		OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE		%		TOTAL NON-ASBESTOS	20 %
OTHER ASBESTOS		%			
TOTAL ASBESTOS		60 %		TOTAL NON-FIBROUS MATERIALS	20 %
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-03A-BS-01	FLR:	RM: Basement	OTHER:	MATERIAL TYPE: Thermal Insulation
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11023					
<b>RESULTS</b>					
AMOSITE		%		CELLULOSE	20 %
ANTHOPHYLLITE		%		FIBERGLASS	%
CHRYSTOLITE		60 %		SYNTHETIC	%
CROCIDOLITE		%		OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE		%		TOTAL NON-ASBESTOS	20 %
OTHER ASBESTOS		%			
TOTAL ASBESTOS		60 %		TOTAL NON-FIBROUS MATERIALS	20 %
COMMENT:					

RECEIVED:	8/18/94	MICROSCOPIST:	<i>On the 2nd of 11/10/94</i>	SUPERVISOR:	<i>Vince L. L. L.</i>
		DATE ANALYZED:	8/25/94		

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)". EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-03A-BS-02  
BLDG: 03A  
FLR:  
CONTACT PERSON: G Cates  
RM: Basement  
OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11024

RESULTS  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSTOLITE 80 %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS 80 %  
TOTAL NON-FIBROUS MATERIALS 20 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-03A-BS-03  
BLDG: 03A  
FLR:  
CONTACT PERSON: G Cates  
RM: Basement  
OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11025

RESULTS  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSTOLITE 80 %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS 80 %  
TOTAL NON-FIBROUS MATERIALS 15 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-03A-BS-04  
BLDG: 03A  
FLR:  
CONTACT PERSON: G Cates  
RM: Basement  
OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Gry/Brn  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11026

RESULTS  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSTOLITE 60 %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS 60 %  
TOTAL NON-FIBROUS MATERIALS 10 %

COMMENT:

*Michael J. Perry*

*Michael J. Perry*

RECEIVED: 8/18/94

MICROSCOPIST:

DATE ANALYZED: 8/25/94

SUPERVISOR:

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-03A-BS-05  
BLDG: 03A FLR: G Cates  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Gry/Brn

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11027

RESULTS

AMOSITE	%	CELLULOSE	30 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	60 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	30 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	60 %	TOTAL NON-FIBROUS MATERIALS	10 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-03A-BS-06  
BLDG: 03A FLR: G Cates  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Gry/Wh

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11028

RESULTS

AMOSITE	%	CELLULOSE	5 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	80 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	5 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	80 %	TOTAL NON-FIBROUS MATERIALS	15 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-03B-BS-07  
BLDG: 03B FLR: G Cates  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11029

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSOTILE	40 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	40 %	TOTAL NON-FIBROUS MATERIALS	60 %

COMMENT:

RECEIVED: 8/18/94  
MICROSCOPIST: *Michael J. H. H. H.*  
DATE ANALYZED: 8/25/94  
SUPERVISOR: *Vince [Signature]*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-03B-BS-08  
BLDG:03B FLR: RM: Basement OTHER: G Cates  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Gry/Brn

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11030

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	20 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	60 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	20 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	60 %	TOTAL NON-FIBROUS MATERIALS	20 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-03B-BS-09  
BLDG:03B FLR: RM: Basement OTHER: G Cates  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: Gry/Brn

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11031

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	20 %
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	60 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	20 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	60 %	TOTAL NON-FIBROUS MATERIALS	20 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-03B-BS-10  
BLDG:03B FLR: RM: Basement OTHER: G Cates  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11032

COMMENT:

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	80 %	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	80 %	TOTAL NON-FIBROUS MATERIALS	20 %

RECEIVED: 8/18/94

MICROSCOPIST: Michael L. Norton  
DATE ANALYZED: 8/25/94

SUPERVISOR: YONGE

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-02-BS-01	RM:	Basement OTHER:	MATERIAL TYPE: Thermal Insulation	
SAMPLE DESCRIPTION:		<u>RESULTS</u>			
HOMOGENEITY: Homogenous		AMOSITE %			
COLOR: Grey		ANTHOPHYLLITE %			
		CHRYSTOLITE 40 %			
METHOD OF ANALYSIS: EPA		CROCIDOLITE %			
LAB SAMPLE NUMBER: 647 082394 11033		TREMOLITE/ACTINOLITE %			
		OTHER ASBESTOS %			
COMMENT:		TOTAL ASBESTOS 40 %			
		TOTAL NON-FIBROUS MATERIALS 60 %			

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-02-BS-02	RM:	Basement OTHER:	MATERIAL TYPE: Thermal Insulation	
SAMPLE DESCRIPTION:		<u>RESULTS</u>			
HOMOGENEITY: Homogenous		AMOSITE %			
COLOR: Grey		ANTHOPHYLLITE %			
		CHRYSTOLITE 80 %			
METHOD OF ANALYSIS: EPA		CROCIDOLITE %			
LAB SAMPLE NUMBER: 647 082394 11034		TREMOLITE/ACTINOLITE %			
		OTHER ASBESTOS %			
COMMENT:		TOTAL ASBESTOS 80 %			
		TOTAL NON-FIBROUS MATERIALS 15 %			

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-02-BS-03	RM:	Basement OTHER:	MATERIAL TYPE: Thermal Insulation	
SAMPLE DESCRIPTION:		<u>RESULTS</u>			
HOMOGENEITY: Homogenous		AMOSITE 80 %			
COLOR: Grey		ANTHOPHYLLITE %			
		CHRYSTOLITE 5 %			
METHOD OF ANALYSIS: EPA		CROCIDOLITE %			
LAB SAMPLE NUMBER: 647 082394 11035		TREMOLITE/ACTINOLITE %			
		OTHER ASBESTOS %			
COMMENT:		TOTAL ASBESTOS 85 %			
		TOTAL NON-FIBROUS MATERIALS 15 %			

RECEIVED: 8/18/94

MICROSCOPIST: *Michael L. L...*

DATE ANALYZED: 8/25/94

SUPERVISOR: *VANCE H...*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)". EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)



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ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: T-02-BS-04	RM: Basement OTHER:	MATERIAL TYPE: Thermal Insulation
BLDG:02 FLR:		
RESULTS		
SAMPLE DESCRIPTION: HOMOGENEITY: Homogenous COLOR: Brn	AMOSITE ANTHOPHYLLITE CHRYSTOLITE CROCIDOLITE TREMOLITE/ACTINOLITE OTHER ASBESTOS	% 80 % % % % % %
METHOD OF ANALYSIS: EPA	TOTAL ASBESTOS	80 %
LAB SAMPLE NUMBER: 647 082394 11036		
COMMENT:	TOTAL NON-FIBROUS MATERIALS	20 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: T-02-BS-05	RM: Basement OTHER:	MATERIAL TYPE: Thermal Insulation
BLDG:02 FLR:		
RESULTS		
SAMPLE DESCRIPTION: HOMOGENEITY: Homogenous COLOR: White	AMOSITE ANTHOPHYLLITE CHRYSTOLITE CROCIDOLITE TREMOLITE/ACTINOLITE OTHER ASBESTOS	80 % % 5 % % % %
METHOD OF ANALYSIS: EPA	TOTAL ASBESTOS	%
LAB SAMPLE NUMBER: 647 082394 11037		
COMMENT:	TOTAL NON-FIBROUS MATERIALS	15 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: T-02-BS-06	RM: Basement OTHER:	MATERIAL TYPE: Thermal Insulation
BLDG:02 FLR:		
RESULTS		
SAMPLE DESCRIPTION: HOMOGENEITY: Homogenous COLOR: White	AMOSITE ANTHOPHYLLITE CHRYSTOLITE CROCIDOLITE TREMOLITE/ACTINOLITE OTHER ASBESTOS	60 % % 20 % % % %
METHOD OF ANALYSIS: EPA	TOTAL ASBESTOS	%
LAB SAMPLE NUMBER: 647 082394 11038		
COMMENT:	TOTAL NON-FIBROUS MATERIALS	20 %

RECEIVED: 8/18/94

MICROSCOPIST: *Michael J. Hefner*

DATE ANALYZED: 8/25/94

SUPERVISOR: *W. J. Hefner*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-02-BS-07	RM:	Basement	OTHER:	
BLDG:02					
FLR:					
RESULTS:					
AMOSITE					
ANTHOPHYLLITE					
CHRYSOTILE					
CROCIDOLITE					
TREMOLITE/ACTINOLITE					
OTHER ASBESTOS					
TOTAL ASBESTOS 40 %					
TOTAL NON-FIBROUS MATERIALS 20 %					
COMMENT:					
LAB SAMPLE NUMBER: 647 082394 11039					
METHOD OF ANALYSIS: EPA					
HOMOGENEITY: Non-Homogenous					
COLOR: Gry/Brn					
SAMPLE DESCRIPTION:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-02-BS-08	RM:	Basement	OTHER:	
BLDG:02					
FLR:					
RESULTS:					
AMOSITE					
ANTHOPHYLLITE					
CHRYSOTILE					
CROCIDOLITE					
TREMOLITE/ACTINOLITE					
OTHER ASBESTOS					
TOTAL ASBESTOS 60 %					
TOTAL NON-FIBROUS MATERIALS 20 %					
COMMENT:					
LAB SAMPLE NUMBER: 647 082394 11040					
METHOD OF ANALYSIS: EPA					
HOMOGENEITY: Non-Homogenous					
COLOR: Gry/Brn					
SAMPLE DESCRIPTION:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	T-02-BS-09	RM:	Basement	OTHER:	
BLDG:02					
FLR:					
RESULTS:					
AMOSITE					
ANTHOPHYLLITE					
CHRYSOTILE					
CROCIDOLITE					
TREMOLITE/ACTINOLITE					
OTHER ASBESTOS					
TOTAL ASBESTOS 40 %					
TOTAL NON-FIBROUS MATERIALS 20 %					
COMMENT:					
LAB SAMPLE NUMBER: 647 082394 11041					
METHOD OF ANALYSIS: EPA					
HOMOGENEITY: Non-Homogenous					
COLOR: Gry/Grn					
SAMPLE DESCRIPTION:					

RECEIVED: 8/18/94 MICROSCOPIST: Michael L. Morris SUPERVISOR: William J. Morris  
DATE ANALYZED: 8/25/94

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NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: T-02-BS-10  
BLDG: 02  
FLR:  
CONTACT PERSON: G Cates  
RM: Basement  
OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Thermal Insulation

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11042

COMMENT:

RESULTS	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSOTILE	60 %
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
<b>TOTAL ASBESTOS</b>	<b>60 %</b>
<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>20 %</b>

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-GR-48  
BLDG: 1  
FLR:  
CONTACT PERSON: G Cates  
RM: Hwy ceil.  
OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11043

COMMENT:

RESULTS	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSOTILE	%
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
<b>TOTAL ASBESTOS</b>	<b>80 %</b>
<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>20 %</b>

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-GR-49  
BLDG: 1  
FLR:  
CONTACT PERSON: G Cates  
RM: Hwy ceil.  
OTHER:  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey

METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11044

COMMENT:

RESULTS	
AMOSITE	%
ANTHOPHYLLITE	%
CHRYSOTILE	%
CROCIDOLITE	%
TREMOLITE/ACTINOLITE	%
OTHER ASBESTOS	%
<b>TOTAL ASBESTOS</b>	<b>80 %</b>
<b>TOTAL NON-FIBROUS MATERIALS</b>	<b>20 %</b>

RECEIVED: 8/18/94  
MICROSCOPIST: *Michael J. Lefebvre*  
DATE ANALYZED: 8/25/94  
SUPERVISOR: *W. J. Lefebvre*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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ACCREDITATION:


**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-GR-50	FLR:	RM: air	MATERIAL TYPE:	Other(trwl)
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Non-Homogenous					
COLOR: white/gra					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11045					
COMMENT: sample contained white plaster & gray aggreg layers					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSOTILE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 100 %					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-GR-50M	FLR:	RM: air	MATERIAL TYPE:	Mastic
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: drk brown					
METHOD OF ANALYSIS: Solvent and EPA					
LAB SAMPLE NUMBER: 647 082394 11046					
COMMENT:					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSOTILE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 100 %					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-GR-51	FLR:	RM: elec/clst	MATERIAL TYPE:	Other(trwl)
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Non-Homogenous					
COLOR: white/gra					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11047					
COMMENT: sample contained white plaster & gray aggreg layers					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSOTILE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 100 %					

RECEIVED: 8/18/94

MICROSCOPIST:   
DATE ANALYZED: 8/26/94

SUPERVISOR: \_\_\_\_\_

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-GR-52	FLR:	RM: elec/clst	OTHER:	MATERIAL TYPE: Ceiling Tile
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11048					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSOTILE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 40 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-GR-53	FLR:	RM: 7A	OTHER:	MATERIAL TYPE: Other(wall mat.)
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Non-Homogenous					
COLOR: gray/brow					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11049					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSOTILE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 100 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-GR-54	FLR:	RM: 4 ceil.	OTHER:	MATERIAL TYPE: Plaster(concrete)
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11050					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSOTILE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 100 %					
COMMENT:					

RECEIVED: 8/18/94

MICROSCOPIST: *J. P. Her*  
DATE ANALYZED: 8/26/94

SUPERVISOR:

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

ASBESTOS ANALYSIS LAB  
VA MEDICAL CENTER (132/ASB)  
ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-GR-55  
BLDG: 1  
FLR: RM: 4 wall  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Other (install)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11051

RESULTS

AMOSITE	%	CELLULOSE	35 %
ANTHOPHYLLITE	%	FIBERGLASS	35 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	70 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	30 %

COMMENT:

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-GR-56  
BLDG: 1  
FLR: RM: 2 ceil.  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Plaster (concentr)

SAMPLE DESCRIPTION:  
HOMOGENEITY: Non-Homogenous  
COLOR: white/gra  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11052

RESULTS

AMOSITE	%	CELLULOSE	%
ANTHOPHYLLITE	%	FIBERGLASS	%
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	%
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	100 %

COMMENT: sample contained white plaster & gray aggreg layers

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: S-1-GR-39  
BLDG: 1  
FLR: RM: Hwy ceil  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Ceiling Tile

SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: EPA  
LAB SAMPLE NUMBER: 647 082394 11053

RESULTS

AMOSITE	%	CELLULOSE	40 %
ANTHOPHYLLITE	%	FIBERGLASS	20 %
CHRYSTOLITE	%	SYNTHETIC	%
CROCIDOLITE	%	OTHER NON-ASBESTOS	%
TREMOLITE/ACTINOLITE	%	TOTAL NON-ASBESTOS	60 %
OTHER ASBESTOS	%		
TOTAL ASBESTOS	%	TOTAL NON-FIBROUS MATERIALS	40 %

COMMENT:

RECEIVED: 8/18/94  
MICROSCOPIST: *[Signature]*  
DATE ANALYZED: 8/26/94  
SUPERVISOR: \_\_\_\_\_

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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ACCREDITATION: U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1468

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: S-1-GR-40	FLR: RM: Hwy cell OTHER:	MATERIAL TYPE: Ceiling Tile
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Homogenous	AMOSITE	CELLULOSE 40 %
COLOR: Grey	ANTHOPHYLLITE	FIBERGLASS 20 %
METHOD OF ANALYSIS: EPA	CHRYSOITILE	SYNTHETIC %
LAB SAMPLE NUMBER: 647 082394 11054	CROCIDOLITE	OTHER NON-ASBESTOS %
COMMENT:	TREMOLITE/ACTINOLITE	TOTAL NON-ASBESTOS 60 %
	OTHER ASBESTOS	%
	TOTAL ASBESTOS	%
	TOTAL NON-FIBROUS MATERIALS	40 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: S-1-GR-41	FLR: RM: Hwy cell OTHER:	MATERIAL TYPE: Ceiling Tile
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Homogenous	AMOSITE	CELLULOSE 35 %
COLOR: Grey	ANTHOPHYLLITE	FIBERGLASS 35 %
METHOD OF ANALYSIS: EPA	CHRYSOITILE	SYNTHETIC %
LAB SAMPLE NUMBER: 647 082394 11055	CROCIDOLITE	OTHER NON-ASBESTOS %
COMMENT:	TREMOLITE/ACTINOLITE	TOTAL NON-ASBESTOS 70 %
	OTHER ASBESTOS	%
	TOTAL ASBESTOS	%
	TOTAL NON-FIBROUS MATERIALS	30 %

FACILITY: 647 JJPVAMC Poplar Bluff	CONTACT PERSON: G Cates	TELEPHONE: 700-276-8421
FACILITY SAMPLE NO: S-1-GR-42	FLR: RM: Hwy cell OTHER:	MATERIAL TYPE: Ceiling Tile
<u>SAMPLE DESCRIPTION:</u>		
HOMOGENEITY: Homogenous	AMOSITE	CELLULOSE 40 %
COLOR: Grey	ANTHOPHYLLITE	FIBERGLASS 20 %
METHOD OF ANALYSIS: EPA	CHRYSOITILE	SYNTHETIC %
LAB SAMPLE NUMBER: 647 082394 11056	CROCIDOLITE	OTHER NON-ASBESTOS %
COMMENT:	TREMOLITE/ACTINOLITE	TOTAL NON-ASBESTOS 60 %
	OTHER ASBESTOS	%
	TOTAL ASBESTOS	%
	TOTAL NON-FIBROUS MATERIALS	40 %

RECEIVED: 8/18/94 MICROSCOPIST: W. J. Green SUPERVISOR: \_\_\_\_\_

DATE ANALYZED: 8/26/94

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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ST. LOUIS, MO 63125

U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-GR-43	FLR:	RM: Hwy cell	OTHER:	MATERIAL TYPE: Ceiling Tile
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11057					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 40 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-GR-44	FLR:	RM: Hwy cell	OTHER:	MATERIAL TYPE: Ceiling Tile
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11058					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 40 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-GR-45	FLR:	RM: Hwy cell	OTHER:	MATERIAL TYPE: Ceiling Tile
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11059					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 40 %					
COMMENT:					

RECEIVED: 8/18/94

MICROSCOPIST: *V. L. L.*

DATE ANALYZED: 8/26/94

SUPERVISOR:

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)



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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-GR-46	FLR:	RM: Hwy cell OTHER:	MATERIAL TYPE: Ceiling Tile	
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11060					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 40 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-GR-47	FLR:	RM: Hwy cell OTHER:	MATERIAL TYPE: Ceiling Tile	
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Homogenous					
COLOR: Grey					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11061					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 40 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-2-6	FLR:	RM: canteen OTHER:	MATERIAL TYPE: Other(trwl)	
<b>SAMPLE DESCRIPTION:</b>					
HOMOGENEITY: Non-Homogenous					
COLOR: White					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 11062					
<b>RESULTS</b>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 10 %					
COMMENT: layers:alum. foil; synth fibers; cellulose layer & plaster					

RECEIVED: 8/18/94

MICROSCOPIST: *V. H. H. H.*

DATE ANALYZED: 8/26/94

SUPERVISOR:

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CV's increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: M-3-1-031  
BLDG: 3  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Caulking  
FLR: RM: ext. caulk. OTHER:  
RESULTS  
SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Grey  
METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082394 10985  
COMMENT:  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSTOLITE 20 %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS 20 %  
TOTAL NON-FIBROUS MATERIALS 80 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-2-1  
BLDG: 1  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile  
FLR: RM: Canteen OTHER:  
RESULTS  
SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Beige  
METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082394 10986  
COMMENT:  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSTOLITE %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS %  
TOTAL NON-FIBROUS MATERIALS 100 %

FACILITY: 647 JJPVAMC Poplar Bluff  
FACILITY SAMPLE NO: F-1-2-2  
BLDG: 1  
CONTACT PERSON: G Cates  
TELEPHONE: 700-276-8421  
MATERIAL TYPE: Floor Tile  
FLR: RM: Cant. floor OTHER:  
RESULTS  
SAMPLE DESCRIPTION:  
HOMOGENEITY: Homogenous  
COLOR: Beige  
METHOD OF ANALYSIS: Solvent and EPA  
LAB SAMPLE NUMBER: 647 082394 10987  
COMMENT:  
AMOSITE %  
ANTHOPHYLLITE %  
CHRYSTOLITE %  
CROCIDOLITE %  
TREMOLITE/ACTINOLITE %  
OTHER ASBESTOS %  
TOTAL ASBESTOS %  
TOTAL NON-FIBROUS MATERIALS 100 %

RECEIVED: 8/18/94

MICROSCOPIST: *Michael L. Lofgren*

DATE ANALYZED: 8/24/94

SUPERVISOR: *Vince L. Lofgren*

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)". EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

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NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
NVLAP NO. 1405

ACCREDITATION:

**BULK ASBESTOS ASSESSMENT RECORD**

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-1-2-3T	FLR:	RM: Canteen OTHER:	MATERIAL TYPE: Floor Tile	
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Beige					
METHOD OF ANALYSIS: Solvent and EPA					
LAB SAMPLE NUMBER: 647 082394 10988					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 100 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	F-1-2-3M	FLR:	RM: Canteen OTHER:	MATERIAL TYPE: Mastic	
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Homogenous					
COLOR: Brown					
METHOD OF ANALYSIS: Solvent and EPA					
LAB SAMPLE NUMBER: 647 082394 10989					
<u>RESULTS</u>					
AMOSITE %					
ANTHOPHYLLITE %					
CHRYSTOLITE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS %					
TOTAL NON-FIBROUS MATERIALS 100 %					
COMMENT:					

FACILITY:	647 JJPVAMC Poplar Bluff	CONTACT PERSON:	G Cates	TELEPHONE:	700-276-8421
FACILITY SAMPLE NO:	S-1-2-4	FLR:	RM: Cant. wall OTHER:	MATERIAL TYPE: Other(trwl)	
<u>SAMPLE DESCRIPTION:</u>					
HOMOGENEITY: Non-Homogenous					
COLOR: Wh/Brn					
METHOD OF ANALYSIS: EPA					
LAB SAMPLE NUMBER: 647 082394 10990					
<u>RESULTS</u>					
AMOSITE 20 %					
ANTHOPHYLLITE 2 %					
CHRYSTOLITE %					
CROCIDOLITE %					
TREMOLITE/ACTINOLITE %					
OTHER ASBESTOS %					
TOTAL ASBESTOS 22 %					
TOTAL NON-FIBROUS MATERIALS 78 %					
COMMENT:					

RECEIVED: 8/18/94

MICROSCOPIST:

DATE ANALYZED: 8/24/94

SUPERVISOR:

NOTE: Samples are analyzed by the method entitled "Interim Method for the Determination of Asbestos in Bulk Insulation samples (Polarized Light Microscopy)", EPA 600/R-93/116. The accuracy of the analysis is limited to the samples submitted and the CVs increases significantly for samples reported at 10% or less. Reproduction of this Report must be in full and with the approval of the Asbestos Analysis Lab. (6/94)

**APPENDIX 4**

**RECORD KEEPING CHECKLIST AND FORMS**

## **RECORD-KEEPING CHECKLIST**

**For each action where friable asbestos containing materials exist, the asbestos program manager, will be responsible to maintain the following information:**

- **For any response action or preventive measures taken for ACM, record a detailed description of the actions and information on sample analysis.**
- **For each person required to be trained, retain documentation identifying employees and description on the type of training.**
- **For each periodic inspection, document the name of each person performing the surveillance and any changes in the condition of the materials.**
- **For each reinspection, document the name and training information of the inspector, date of the reinspection, and any changes noted in the condition of the material.**
- **For each required cleaning, document the name of the person performing the cleaning, date of the cleaning, locations cleaned, and method used.**
- **For each small scale/short duration operation and maintenance activity, document the name and signature of the person performing the activity, its start and completion dates, precise locations, description of the activity and any preventive measures taken, and if ACM is removed, name and location of the disposal site.**
- **For each large scale/long duration activity, document the name and signature of the person performing the activity, the state granting accreditation, the activity start and completion dates, precise locations, description of the activity and any preventive measures, and, if ACM is removed, the name and location of the disposal site.**
- **When a building is demolished or renovated, advanced notice must be filed, as required by law, with the environmental protection agency (EPA) regional office, state, city, or county giving the name and address of the building owner or manager, description and location, scheduled starting and completion dates of ACM removal, description of the planned removal methods, name, address, and location of disposal site.**

- For each fiber release episode, document the date and location of the release, method of repair, preventive or response actions taken, name of each person performing the work, and, if ACM is removed, document the name and location of the disposal site. (Notification Checklist for 10 CSR 10-6.080 Emission Standards for Hazardous Air Pollutants - Section 3).

### **Record-Keeping Forms**

Each facility that the V.A. Medical Center has the responsibility for management of friable asbestos-containing materials should maintain the following forms as part of the local Operations & Maintenance Plan.

- Figure 1 Building Work Authorization
- Figure 2 Asbestos Work Order
- Figure 3 Abatement Project Notice
- Figure 4 Asbestos Containing Materials Disposal
- Figure 5 Reinspection Form
- Figure 6 Minor Repair/Renovation Report
- Figure 7 Change in Status Form
- Figure 8 Cleaning Schedule

FIGURE 1  
GENERAL BUILDING WORK AUTHORIZATION

DATE: \_\_\_\_\_

BUILDING NAME:

DESCRIBE THE WORK TO BE PERFORMED:

---

---

---

---

IDENTIFY THE ORGANIZATION OR INDIVIDUAL(S) WHO WILL PERFORM THE WORK:

---

---

---

IDENTIFY THE ROOM(S) INVOLVED IN THIS WORK:

Room(s) Number and Name



ACCORDING TO THE RECORDS, THE ABOVE DESCRIBED  
ROOM(S) DO NOT CONTAIN ASBESTOS-CONTAINING  
BUILDING MATERIALS

Signature \_\_\_\_\_

Title \_\_\_\_\_

DATE: \_\_\_\_\_

-----  
\*THE ABOVE IDENTIFIED ROOM(S) CONTAIN ASBESTOS  
CONTAINING BUILDING MATERIALS, AND THE WORK MUST BE  
UNDERTAKEN IN ACCORDANCE WITH ALL APPLICABLE HEALTH  
AND SAFETY RULES AND REGULATIONS AND THE ATTACHED  
"ASBESTOS WORK ORDER" REQUIREMENTS.

CONTRACT NUMBER

--

Signature \_\_\_\_\_

Title \_\_\_\_\_

DATE: \_\_\_\_\_

FIGURE 2  
ASBESTOS WORK ORDER  
Page 1 of 2

DOCUMENT CONTROL NUMBER:

ASB

DATE:

REFERENCE GENERAL BUILDING WORK AUTHORIZATION NO.

CONTRACT NUMBER

CONTRACTOR

ROOM(S) INVOLVED

ROOM(S) Number and Name



DESCRIPTION OF WORK TO BE PERFORMED

WORK TO BE PERFORMED BY: (Identify contractor or,  
if Building Owner's employee's or agents are to  
perform the work, then the individual's name and  
employee identification numbers.

Employee Name and Number



CONTRACTOR IDENTIFICATION

(Name, Address, Phone Number, Cert. No. and State)

CONDITIONS OF WORK PERFORMANCE

It is an explicit condition of this work order  
that all work be performed in strict accordance  
with all applicable health and safety standards  
and work practices.

All employees, the Building's Owner's or agents  
involved in the work in any phase are required  
to complete the WORKER'S DAILY LOG.

THE WORK TO BE PERFORMED, AND ANY APPLICABLE TERMS AND  
CONDITIONS THEREOF ARE MORE FULLY DESCRIBED ON PAGE 2 OF  
THIS FORM, AND SAID PAGE IS HEREBY MADE A PART HEREOF.



FIGURE 2  
ASBESTOS WORK ORDER  
Page 2 of 2

DOCUMENT CONTROL NUMBER:

ASB

DATE:

GENERAL WORK CONDITIONS

TYPE OF MATERIAL

SURFACING

FLOOR

WALL

CEILING

VISIBLE

HIDDEN

MISCELLANEOUS

DESCRIBE:

TYPE OF GENERAL PROTECTION

GENERAL OCCUPANT AND PUBLIC

POLY ON FLOOR

MINI-ENCLOSURE

GLOVE BAG

NEGATIVE AIR ENCLOSURE

HEPA VACUUM

HVAC SHUTDOWN

POWER SHUTDOWN

WET CLEANING

OTHER (Describe)

THERMAL SYSTEMS

PIPE LAGGING

BOILER COVER

DUCTING

INTAKE

EXHAUST

FITTINGS,

VALVES, ETC.

GENERAL WORKER PROTECTION

AIR-LOCK, CLEAN ROOM

TYPE C AIR

FULL BODY SUITS

CLEARANCE APPROVAL METHOD

ESTIMATED QUANTITY OF MATERIALS

Square Feet

Linear Feet

No. of Pieces

START OF WORK DATE:

IF REMOVAL IS INVOLVED, THEN THE "ASBESTOS  
CONTAINING MATERIALS DISPOSAL DOCUMENT" IS  
MADE A PART HEREOF.

"ABATEMENT PROJECT NOTICE" SENT OT EPA. YES

OTHER CONDITIONS OF WORK

ASBESTOS WORK ORDER APPROVAL BY ASBESTOS PROGRAM MANAGER

Signature

Title

DATE SIGNED:

FIGURE 3  
ABATEMENT PROJECT NOTICE

BUILDING NAME

CONTRACTOR

PLANNED ABATEMENT:

AT LEAST 20 DAYS BEFORE  
ABATEMENT BEGINS.

NOTICE TO EPA MUST BE POSTMARKED:

EMERGENCY ABATEMENT:

NO MORE THAN 48 HOURS AFTER  
PROJECT BEGINS.

SUBJECT TO CIVIL & CRIMINAL PENALTIES.

NOTICE SENT TO:

As required by NESHAPS, we wish to  
notify you of the following  
asbestos abatement project in the above named building.

DATE OF NOTICE:

19\_\_

PROJECT CLASS:

PLANNED ABATEMENT

☐

EMERGENCY

☐

PROJECT SIZE:

LESS THAN

☐

or MORE THAN

☐

3 LINEAR FEET OR 3 SQUARE FEET

DATE WORK (TO BE) STARTED:

19\_\_

DATE WORK (TO BE) COMPLETED:

19\_\_

COVERING WORK ORDER (or Contract) ID.:

ROOM(S) INVOLVED: Number and Name



TYPE OF WORK:

REMOVAL

☐

REPAIR

☐

ENCAPSULATION

☐

ENCLOSURE

☐

CLEANED UP

☐

OTHER:

IF REMOVAL UNDERTAKEN, THEN COMPLETE THIS SECTION

DISPOSITION OF ACBM: NAME OF LANDFILL

--

LOCATION OF LANDFILL

--

ASBESTOS CONTAINING MATERIAL DISPOSAL CHAIN OF  
CUSTODY DOCUMENT MUST BE ON FILE.

REPORT PREPARED BY: (SIGNATURE, DATE AND TITLE)

FIGURE 4  
ASBESTOS CONTAINING MATERIALS DISPOSAL DOCUMENT

CONTRACT CONTROL NUMBER: \_\_\_\_\_

DATE: \_\_\_\_\_, 19\_\_

BUILDING NAME

PICK UP SITE:

ESTIMATED QUANTITY OF ACBM:

DISPOSAL SITE:

NUMBER OF CONTAINERS:

TRANSPORTED BY:

TYPE OF CONTAINERS:

DESCRIPTION OF THE ACBM(s) TO BE DISPOSED OF:

REMOVED UNDER THE AUTHORITY OF THE WORK  
ORDER (OR CONTRACT) IDENTIFIED AS:

THE FOLLOWING SIGNATURES ESTABLISH THE CHAIN OF  
CUSTODY OF THE ABOVE DESCRIBED ACBM(s).

ACBM(s) PACKED UNDER THE SUPERVISION OF:

SIGNATURE \_\_\_\_\_

TITLE \_\_\_\_\_

EMPLOYED BY \_\_\_\_\_

DATE \_\_\_\_\_

ACBM(s) TRANSPORTED BY:

SIGNATURE \_\_\_\_\_

TITLE \_\_\_\_\_

EMPLOYED BY \_\_\_\_\_

DATE \_\_\_\_\_

ACBM(s) DISPOSAL SITE:

SITE LOCATION (CITY, STATE) \_\_\_\_\_

SITE NAME \_\_\_\_\_

RECEIVED BY SIGNATURE \_\_\_\_\_

DATE OF RECEIPT \_\_\_\_\_

EMPLOYED BY \_\_\_\_\_

RECEIVING DOCUMENT NUMBER \_\_\_\_\_

REPORT PREPARED BY:

SIGNATURE \_\_\_\_\_

TITLE \_\_\_\_\_

EMPLOYED BY \_\_\_\_\_

DATE \_\_\_\_\_

THE ORIGINAL OF THIS DOCUMENT MUST BE RETURNED AND RETAINED  
WITH THE LOCAL ASBESTOS COORDINATORS OFFICE AT THE BUILDING  
OWNER'S LOCATION NAMED ABOVE.

FIGURE 5  
REINSPECTION/FORM

MASTER COPY:

DATE:

BLDG NAME:

BLDG.#:

ROOM:

INSPECTOR:

CERTIFICATE NUMBER:

ASBESTOS MATERIALS:	STATUS		
	UNCHANGED	CONTACT DAMAGE	WATER DAMAGE
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

LOCATION IN BLDG.:

COMMENTS:

ACTION TAKEN:

ACTION APPROVED BY:

\_\_\_\_\_  
(Asbestos Coordinator)

DATE: \_\_\_\_\_

Copies: Retain copy in Asbestos File as part of Management Plan  
Submit copy to Asbestos Program Manager.

FIGURE 6

MINOR REPAIR/RENOVATION REPORT  
(GLOVE BAG)

DATE:

LOCATION (OFFICE, HANGAR, ETC.):

REMOVAL PRIORITY OF AREA:

NATURE OF DAMAGE (NARRATIVE):

APPROVED METHOD OF REPAIR (DESCRIPTION OF WORK DONE):

SIGNATURE OF MAINTENANCE PERSONNEL

DATE:

SIGNATURE & TITLE; ADMINISTRATIVE AUTHORITY

DATE:

FIGURE 7

CHANGE IN STATUS FORM

MASTER COPY

DATE: BLDG. NAME: BLDG. #:

ROOM#: ASBESTOS MATERIAL TYPE:

INSPECTOR (CUSTODIAL/MAINTENANCE):

STATUS: CONTACT DAMAGE: Y/N  
WATER DAMAGE: Y/N  
OTHER: Y/N

COMMENTS ON CHANGE IN STATUS:

ACTION TAKEN:

ACTION APPROVED BY

(Asbestos Coordinator)

DATE:

COPIES: RETAIN COPY IN ASBESTOS FILE  
ONE COPY TO MAINTENANCE  
ONE COPY TO ASBESTOS PROGRAM MANAGER

FIGURE 8

CLEANING SCHEDULE

Weekly wet wiping/mopping to be performed on \_\_\_\_\_ and every  
\_\_\_\_\_ thereafter.  
(day of week) (date)

MONTHLY wet wiping/mopping and HEPA vacuuming to be performed on the  
\_\_\_\_\_ of each month until all asbestos materials are  
(day)  
removed.

Date:	Area:	Weekly	Monthly	Initial
-------	-------	--------	---------	---------

## **APPENDIX 5**

### **WORK PRACTICES FOR SMALL SCALE/SHORT DURATION PROJECTS**



### **Work Practices for Small Scale/Short Duration Activities**

- Removal of asbestos-containing insulation materials on pipes (less than 3 linear feet).
- Removal of small quantities of asbestos-containing insulation materials on beams or above ceilings (less than 3 square feet for repair only).
- Replacement of an asbestos-containing gasket on a valve.
- Installation or removal of a small section of drywall (for small maintenance work only, less than 3 square feet).
- Installation of electrical conduits through or near asbestos-containing materials.
- Cleaning of small areas and amounts of asbestos-containing materials, less than 3 square feet, on surfaces due to spill or damage.
- Minor repairs to damaged thermal system insulation which do not require removal.
- Repairs to a piece of asbestos-containing wall board.
- Repairs involving encapsulation, enclosure or removal to small amounts of friable ACM (only if required in the performance of an emergency or a routine maintenance activity and not intended solely as asbestos abatement).
- Removal projects involving less than or equal to 160 square feet or 260 linear feet of asbestos-containing material and can either be glove bagged or removed in a mini-enclosure (OSHA Definition).

Small scale/short duration removal operations require documentation of the location of the asbestos removed, how much was removed, the employee doing the removal and disposal. Glove bag asbestos removal must be reported to the local air quality agency and a permit should be obtained 10 days prior to removal.

OSHA concluded that the use of certain work practice controls is capable of reducing employee exposure to asbestos to levels below the final standard's action level (0.1 fibers/cubic centimeter). Several work practices can be used to reduce asbestos exposure during small scale/short duration removal operations. These include the following activities:

- Wet the material during small debris cleanup or removal.
- Use of glove bags for small scale/short duration removal operations.
- Removal of entire asbestos insulated structure.
- Use of mini-enclosures on asbestos materials.

**APPENDIX 6**

**PROTOCOL FOR SAMPLE COLLECTION**

## PROTOCOL FOR ASBESTOS SAMPLE COLLECTION

This protocol defines procedures that provide protection for the individuals sampling the suspect material.

### Equipment

Pocket knife and/or coring tool; duct tape; sample containers; sample labels; sprayer; respirator with HEPA cartridge; tyvek coveralls; rapid drying sealant.

### Procedure

Sample each different type of insulating material (pipe lagging, elbows, etc.). Obtain three samples of each material. If necessary wear a respirator and a tyvek suit. Locate the area to sample. Moisten the surface of the area with fine water mist. On thermal insulation, carefully cut through canvas wrap or metal covering to expose a small area of insulation. Moisten insulation completely using a fine water mist to prevent the release of loose fibers. Cut or core suspect material and place the sample in a sample container. The core removed should include all constituent layers of insulation. Label the sample container. Label the sampled area with a unique sample number.

Rinse tools in a sample container using mist water. Moisten the area from which samples were removed. Seal any disturbed area with tape. Record the sample number, the location from where the suspect material was obtained, and material description on the sample log. Seal sample container tightly and pack with vermiculite so that the integrity of the container is not disturbed. Ship to certified laboratory.

## **APPENDIX 7**

### **ASBESTOS REMOVAL EQUIPMENT LIST**

## ASBESTOS REMOVAL EQUIPMENT LIST

For proper removal and employee protection during glove-bag asbestos removal, the following equipment must be available and maintained for use:

### Removal Equipment

Glove bags, 6 mil thick or greater;

High Efficiency Particulate Air Filter (HEPA) vacuum cleaner with attachments;

Asbestos disposal bags, 6 mil thick or greater;

Hand pump sprayer with long nozzle;

Surfactant, encapsulant, fiberglass mesh pipe wrap, duct tape, and barrier tape to surround removal area;

Hand tools (Utility knife, screw driver, nut driver, small wire brush, diagonal cutters, hand grip stapler).

### Personal Protective Equipment

Dual cartridge half-face respirator (one issued to each employee and tested for proper fit).

Tyvek disposal coveralls with hood and shoe covers, work gloves and respirator repair parts.

**APPENDIX 8**

**ASBESTOS DISPOSAL**

## **ASBESTOS DISPOSAL**

Asbestos containing waste is any waste material which contains asbestos and is generated by the process of demolition, renovation, or removal of any asbestos-containing material including asbestos millings, filings, waste from control devices, friable sprayed-on insulation, pipe insulation, and bags or containers that previously contained asbestos products.

All asbestos-containing material shall be disposed of in a manner that will not release fibers into the air. This can be accomplished by following one of these procedures:

- Dispose of the whole unit which contain asbestos material. Place the unit into a properly labeled disposal container (polyethylene bag or steel drum lined with a polyethylene bag).
- Remove and dispose of only the asbestos material, using methods that do not release fibers into the air and by doing the following:
  - Wear appropriate respirators with HEPA filters (magenta color) and all required or necessary personal protective equipment.
  - Thoroughly wet all the material to prevent fiber release.
  - Dispose of all contaminated waste material into the proper waste container.
  - Wet wipe all tools and surfaces to remove any asbestos fibers or contaminated debris and discard all rags used with the waste material.
  - Clean area using the HEPA vacuum cleaner.
  - After completing the disposal job, wash hands and face to remove and prevent any potential fiber exposure.

### **Identification of Disposed Material**

#### **Labels**

All materials must be disposed of in properly labeled containers and labels must read as follows:



**DANGER  
CONTAINS ASBESTOS FIBERS  
AVOID CREATING DUST  
CANCER AND LUNG DISEASE HAZARD**

**Routing Slips**

Routing slips must be filled out completely and include the following information:

- Point of origin, work station, or location where the waste originated.
- Name of persons packaging or sending asbestos waste material for disposal.
- In-house or work station disposal destination (e.g., waste treatment, custodian, or contracted waste hauler).

**Disposal Containers**

Before the asbestos waste is accepted for disposal, it must be double sealed in asbestos disposal bags. The waste material will then be placed inside an impermeable plastic container and sealed. This container will be placed inside another impermeable plastic sealed container.

The containers to be used are 6 mil thick polyethylene plastic bags stenciled with the proper danger label. These bags are described as follows:

- Asbestos disposal bag with no danger label, 2 gallon, 3"x6"x15", for use inside a labeled bag.
- Asbestos disposal bag with danger label, 6 gallon, 17"x17", 3 mil thick, must use a second bag.
- Asbestos disposal bag with danger label, 55 gallon, 33"x50", 6 mil thick.

Place one sealed bag inside another and seal it. Be certain outside bag contains a danger label.

# **APPENDIX 9**

## **DEFINITIONS**

## Definition of Terms

### Air Monitoring:

the process of measuring the fiber content of a known volume of air collected during a specific period of time. The procedure normally utilized for asbestos follows the NIOSH 7400 method using phase contrast microscopy.

### Asbestos:

means the asbestiform varieties of chrysotile, crocidolite, amosite, anthophyllite, tremolite, and actinolite.

### Asbestos Containing Material (ACM):

when referring to buildings, means any material or product which contains more than 1 percent asbestos.

### Asbestos Containing Building Material (ACM):

when referring to buildings, means any material or product which contains more than 1 percent asbestos.

### Surfacing ACM:

material in a building that is sprayed on and contains material that is ACM.

### Friable ACM:

when referring to material in a building, material that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure and includes previously non-friable material after such material becomes damaged, crumbled, pulverized, or reduced to powder by hand pressure.

### Damaged Friable ACM:

friable surfacing ACM which has deteriorated or sustained physical injury.

### Air Erosion:

the passage of air over friable ACBM which may result in the release of asbestos fibers.

### Encapsulation:

the treatment of ACBM with a material that surrounds or embeds asbestos fibers in an adhesive matrix to prevent the release of fibers.

### Enclosure:

an airtight, impermeable, permanent barrier around ACBM to prevent the release of asbestos fibers into the air.

### Environmental Protection Agency (EPA):

a federal agency regulating all environmental concerns.

**Fiber:**

a particulate form of asbestos 5 micrometers or longer with a length-to-diameter ratio of at least 3 to 1.

**High Efficiency Particulate Air Filter (HEPA):**

capable of trapping and retaining at least 99.97 percent of 0.3 micrometer diameter mono-disperse particles.

**Miscellaneous Material:**

interior building material on structural components and structural members of fixtures such as floor and ceiling tiles; not including surfacing material or thermal system insulation.

**Miscellaneous ACM:**

in a building, miscellaneous material that contains asbestos.

**National Institute for Occupational Safety and Health (NIOSH):**

federal agency mandated by the OSHA Act to conduct health and safety research and investigate health and safety concerns.

**Operations and Maintenance Plan:**

a program of work practices to maintain friable ACM in good condition, ensure cleanup of asbestos fibers previously released, and prevent further release by minimizing and controlling friable ACM disturbance or damage.

**Occupational Safety and Health Administration (OSHA):**

federal agency regulating workplace health and safety.

**Preventive Measures:**

actions taken to reduce disturbance of ACM or otherwise eliminate the reasonable likelihood of the materials becoming damaged.

**Removal:**

the taking out or stripping of substantially all ACM from a damaged area, functional space, or homogeneous area in a building.

**Repair:**

returning damaged ACM to an undamaged condition or an intact state so as to prevent

**Response Action:**

a method including removal, encapsulation, enclosure, repair, operations, and maintenance that protects human health and the environment from friable ACM.

**Surfactant:**

a chemical wetting agent added to water to improve penetration, thus reducing the quantity of water required for a given operation or area.

Thermal System Insulation:

material in a building applied to pipes, fittings, boilers, breechers, tanks, ducts, or other interior structural components to prevent heat loss or gain, water condensation or other asbestos containing material.

\* \* \* \* \*

## **APPENDIX 10**

### **LISTING OF FEDERAL ASBESTOS REGULATIONS AND GUIDANCE DOCUMENTS**

- "Asbestos in Buildings: Simplified Sampling Scheme for Friable Surfacing Materials:," EPA 560/5-85-030a. October 1985.
- EPA/NIOSH Guide to Respiratory Protection for the Asbestos Abatement Industry," EPA 560/OPTS-86-001. September 1986.

\* \* \* \* \*

## NOTIFICATION REQUIREMENTS

Any person undertaking an asbestos project shall provide, at least 10 days in advance, written notification of the project to the USEPA or air quality division director.

- Proof of asbestos project registration and registration number with the director.
- Specify if you are the owner, operator, or both.
- Name and mailing address of owner or operator.
- Schedule starting and completion dates and time of day.
- Location and address of the facility.
- Description of the facility being demolished, renovated, enclosed, or encapsulated, including the size, age, and present/past use of the structure.
- Demolition, enclosure, encapsulation, or removal.
- Detailed description of the nature and size of the project, including the amount of asbestos to be removed.
- The laboratory results of the asbestos sample analysis to determine asbestos content and percentage.
- A detailed description of the asbestos control measures to be used. The control measures will comply with those specified in Section 1 the rule and the standards for worker protection established by the Occupational Safety and Health Administration (OSHA) in Code 29 of Federal Regulations (CFR) 1910.1001, and 29 CFR 1926.58:
  - On-site contact person and phone number
  - Name and address of disposal site
  - Means of transportation to the site



### **Notification Requirements for Emergency Conditions**

The definition of an emergency operation as identified in Section 1 of the USEPA's National Emission Standards of Hazardous Air Pollutants (NESHAPS) asbestos regulations control program, is as follows:

"Emergency renovation operation means a renovation operation that was not planned but results from a sudden unexpected event. This term includes operations necessitated by nonroutine failures of equipment."

If an emergency condition arises as defined above, the person shall notify the director by telephone within 24 hours of the time of discovering the emergency and provide the following information:

- A description of the nature and scope of the emergency
- A description of the measures immediately taken to mitigate the emergency
- A schedule for removal

Subsequent to the initial emergency renovation notification and before beginning the operation, the person engaging in the asbestos project shall provide the following information:

- Proof of asbestos project registration with the director
- A detailed description of the asbestos control measures to be used. The person shall attest that the control measures will comply with those specified in Section 1 of this rule and the standards for worker protection established by OSHA in 29 CFR 1910.1001 and 29 CFR 1926.58
- The dates and time of day of the asbestos project
- The on-site contact person and phone number

Prior to disposal of the asbestos waste, the following steps should be taken:

- Provide the director with the laboratory results of the asbestos sample analysis to determine the asbestos content and percentage or with MSDSs.
- The name and address of the disposal site
- The means of transportation

### **Post-Notification Requirements**

Upon completing an asbestos project, the person in charge will provide a written notice to the director within 60 days of project completion. The person will also provide the following information:

- Proof that all employees were trained as required
- That all asbestos control and protection measures which are required in the notification were employed
- A signed and dated receipt of asbestos disposal

(EXAMPLE)  
NOTIFICATION OF ASBESTOS REMOVAL

1. OWNER:

Address:

GENERAL CONTRACTOR:

Address:

ASBESTOS CONTRACTOR:

Address:

REGISTRATION NUMBER:

2. LOCATION OF FACILITY:

NAME OF FACILITY (if applicable):

3. DESCRIPTION OF FACILITY:

AGE:

NUMBER OF FLOORS:

Prior Use:

Proposed Use:

Residential No. of Units

Residential No. of Units

Commercial Area (ft<sup>2</sup>)

Commercial Area (ft<sup>2</sup>)

Industrial Area (ft<sup>2</sup>)

Industrial Area (ft<sup>2</sup>)

Other

Other

4. ESTIMATED AMOUNT OF ASBESTOS:

Surface material (ft<sup>2</sup>)

Material in piping (ft)

Laboratory analysis report indication percentage of asbestos present must be enclosed (or other appropriate documentation, such as the MSDS).

5. ASBESTOS REMOVAL DATES:

Start Date:    /    /

Start Time:            AM/PM

Completion Date:    /    /

Completion Time:        AM/PM

# **Eric T. Hamm**

## **Industrial Hygienist**

### **Expertise:**

Industrial Hygiene  
Air Monitoring  
Noise Monitoring  
SARA Title III  
Environmental Audits  
Certified AHERA Asbestos  
Inspector and Abatement  
Designer  
Certified Lead Inspector

### **Education:**

B.S., Biology and a minor in  
Chemistry, Graceland College,  
Lamoni, Iowa, 1981  
M.S., Industrial Hygiene, Central  
Missouri State University, 1992  
Organizations:  
American Industrial Hygiene  
Association  
American Industrial Hygiene  
Association, Mid-America Local  
Section

Mr. Hamm is an Industrial Hygienist with Burns & McDonnell Waste Consultants, Inc. He has performed environmental inspections and environmental monitoring and managed numerous environmental site assessments (Phase I and Phase II) for a variety of clients. Mr. Hamm is a certified AHERA asbestos inspector and abatement designer. He has taken the NIOSH 582 course, certifying him to conduct sampling and evaluation of airborne asbestos dust. Mr. Hamm is also a certified lead inspector.

Mr. Hamm has been instrumental in the developing and teaching courses for clients and BMWCI personnel. These classes have included a 4-hour hazard awareness training, asbestos and lead awareness, a 24-hour emergency response training, and an OSHA 40-hour hazardous waste operations and emergency response training courses. Mr. Hamm is a certified instructor for American Red Cross standard first aid and adult CPR.

Mr. Hamm conducted personal air and noise monitoring at four waste disposal sites in the midwestern and southwestern United States. The personal air and noise monitoring were conducted during two 8-hour shifts at each facility. Workers were monitored for 1,1,1-trichloro-ethylene, perchloroethylene, methylene chloride, benzene, toluene, xylene, and methyl ethyl benzene. The client was provided a final report that explained the results of the noise and personal air monitoring.

Mr. Hamm supervised and participated in the noise and opacity monitoring at Forest View Landfill. The landfill owners were installing a rock crusher and wanted to analyze the effects that this equipment would have on community noise levels and fugitive emissions at the perimeter. Data was collected over a 3-month period and analyzed to determine if any increase in community noise levels or fugitive emissions had occurred. A final report was prepared describing the data collected and recommended methods to minimize perimeter noise.

Mr. Hamm recently served as Project Manager of a lead abatement project. The project involved the abatement of an indoor firing range and ventilation systems. He provided project oversight for the client during the abatement work and collected air and wipe samples to verify clearance levels. Mr. Hamm recommended that other areas of the site also be inspected for lead contamination. This characterization study identified additional areas of lead contamination. Mr. Hamm also provided oversight during an additional abatement project, employee awareness training, a 4-hour lead awareness training for maintenance workers, and quarterly air sampling in functional spaces.

# Mayhew Environmental Training Associates

Certificate Number  
7ME120393001R  
Soc. Sec. #494-74-6042

Accreditation Expires  
12/03/94

*This is to certify that*

**Eric T. Hamm**

*has successfully completed*

**EPA- AHERA Asbestos Inspector Recertification Training**  
*December 3, 1993 and passed the associated examination with a score of 70% or better  
on December 3, 1993 in Lawrence, Kansas.*

Conducted By:



P.O. Box 786 Lawrence, Kansas 66044  
1-800-444-6382

For further information contact: Patsy Kemp, Registrar

T. Bradford Mayhew, President

# Tim H. Moukaddam

## Academic

Qualifications: B.S., Geology, University of Kansas, 1990

## Special

Qualifications: AHERA certified for asbestos inspection and management planner. Prepares reports concerning environmental issues, laws and regulations. Writes proposals for a variety of governmental and non-governmental contracts. Conducts phase I and II environmental site assessments, asbestos surveys, title searches, remedial investigations, feasibility studies, site cleanup using bioremediation and other technologies. Involved in marketing the company's services to potential clients. Conversant with Federal regulations: CAA, CWA, SWDA, RCRA, CERCLA, NPDES, TSCA, SARA and AHERA. Computer literate: WordPerfect, PASCAL, FORTRAN 77, and BASIC.

## Experience:

*Environmental Geologist, Stevens & Associates, February 1993-present.*

Responsible for providing informational, managerial and technical services on a variety of safety and environmental issues. Recently conducted a comprehensive safety and environmental compliance audit of a major manufacturing plant in Kansas City, Missouri to determine its condition as it relates to federal, state, and local safety and environmental laws, regulations and ordinances. These include federal programs administered by the Environmental Protection Agency (EPA) under the Clean Air Act (CAA), the Clean Water Act (CWA), the Solid Waste Disposal Act (SWDA), the Resource Conservation and Recovery Act (RCRA), the Toxic Substances Control Act (TSCA), the Superfund Amendments and Reauthorization Act (SARA), the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), the National Pollution Discharge Elimination System (NPDES), the Underground Storage Tank Regulations (UST), and the Asbestos Hazard Emergency Response Act (AHERA).

Recently completed a study for Burns & McDonnell and the City of Kansas City, Missouri. The study required research and development of background information on water quality and flow data for the four main local rivers. Compiled available data and sources, prepared a report, and summarized the final study.

Conducted Phase I and II environmental site assessments, asbestos surveys and title searches of manufacturing plants, commercial and residential properties, and open, undeveloped sites. The assessments included records review, site reconnaissance, interviews and reports of findings. It also included information gathering on chemicals and raw materials, hazardous substances, storage tanks, solid and hazardous waste disposal, waste water and storm water discharge, air emissions, waste oil, and drums and containers.

# The University of Kansas

By the authority of the Board of Regents of the State of Kansas and upon the recommendation of the Faculty of the

## College of Liberal Arts and Sciences

confers upon

Hatem Hassan Moukaddam

the degree of

## Bachelor of Arts

with all its rights, privileges, and responsibilities.

Given under the seal of the University of Kansas this twelfth day of January, nineteen hundred and ninety.

Seal Board of Regents

*Nathan W. Jeter*

*Roscoe Crigden*

*Frank German*

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*James L. Mueseler*  
Dean

*W. W. Wilson*  
Dean of Educational Services

# MI-TON, INC.

## ASBESTOS TRAINING DIVISION

THIS IS TO CERTIFY THAT

TIM MOUKADDAM

HAS COMPLETED A COURSE AND PASSED AN EXAMINATION IN

## MANAGEMENT PLANNING FOR ASBESTOS CONTROL

IN COMPLIANCE WITH AHERA RULE  
UNDER TOXIC SUBSTANCES CONTROL

DATE: March 25, 1994

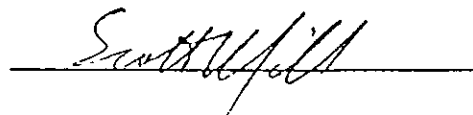
EXAM DATE: March 25, 1994

NUMBER 7MT 3C2501 MP

EXPIRES: March 24, 1995

SOCIAL SECURITY # 510 88 6764

MI-TON, INC.  
205 W. Walnut  
Springfield, Mo. 65806





# MI-TON, INC.

## ASBESTOS TRAINING DIVISION

THIS IS TO CERTIFY THAT

TIM MOUKADDAM

HAS COMPLETED A COURSE AND PASSED AN EXAMINATION IN

## INSPECTION FOR ASBESTOS CONTROL

IN COMPLIANCE WITH AHERA RULE  
UNDER TOXIC SUBSTANCES CONTROL

DATE: March 25, 1994

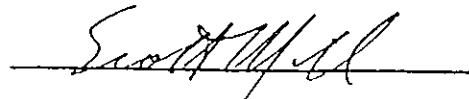
EXAM DATE: March 25, 1994

NUMBER 7MT 4C2501 I

EXPIRES: March 24, 1995

SOCIAL SECURITY # 510 88 6764

MI-TON, INC.  
205 W. Walnut  
Springfield, Mo. 65806



# Paul B. Hester

## Academic Qualifications:

B.S., Geology, Northwest Missouri State University, 1991  
M.S., Resource Planning, Southwest Missouri State University, 1993

## Special Qualifications:

Preparation of reports concerning environmental resource planning.  
Analysis of groundwater flow systems. Conversant in Federal regulations such as RCRA, CERCLA, NPDES and TSCA.  
Phase I and II environmental site assessments, soil surveys, groundwater monitoring, bioremediation.

## Experience:

*Environmental Scientist, Stevens & Associates, March 1994-present.*

Worked on researching, reviewing and reporting technical data pertaining to quantitative analysis of groundwater flow. The work involved interviewing personnel, collecting data in the field, reviewing laboratory reports and preparing reports. Required to research and compile available data and sources, prepare reports, and summarize the final study. Also involved in conducting environmental site assessments, soil surveys, groundwater monitoring, and bioremediation. Researched several projects dealing with geochemistry, water quality analysis, geology and geography, and waste disposal investigations. Also involved in marketing the company's services to potential clients.

Involved in developing hazardous waste management programs to include waste characterization, employee training, waste minimization, recordkeeping and reporting and selection of hazardous waste and used oil transportation and disposal companies.

*Graduate Teaching Assistant, Department of Geology, Geography and Planning, Southwest Missouri State University, Fall 1991 - Fall 1993.*

Course instructor for Introductory Geology. Lecture and test preparation work along with laboratory supervision.

*Laboratory Assistant, Geology Department, Northwest Missouri State University, Fall 1990 - Spring 1991.*

Laboratory preparation and cleanup along with assisting students in their laboratory work.

## **2018 Lead Containing Materials Summary Table**

## 2018 LEAD SUMMARY

DESCRIPTION	LOCATION	CONDITION	INSPECTION	COMMENTS
TAN PAINT ON METAL DOOR FRAME	6000	INTACT	2018 RIVERFRONT	PRESENT
TAN PAINT ON METAL DOOR	6000	INTACT	2018 RIVERFRONT	PRESENT
TAN PAINT ON METAL DOOR	6000	DETERIORATED	2018 RIVERFRONT	PRESENT
TEAL PAINT ON METAL DOOR	7000	DETERIORATED	2018 RIVERFRONT	PRESENT
TEAL PAINT ON METAL DOOR FRAME	7000	DETERIORATED	2018 RIVERFRONT	PRESENT
BLACK PAINT ON METAL LADDER	7000	DETERIORATED	2018 RIVERFRONT	PRESENT
LIGHT GREEN W/ SPOTS PAINT ON GLAZED BLOCK WALL	5FL – HALL	INTACT	2018 RIVERFRONT	PRESENT
LIGHT SOLID GREEN PAINT ON GLAZED BLOCK WALL	5FL – HALL	INTACT	2018 RIVERFRONT	PRESENT
LIGHT TAN W/ SPOTS PAINT ON GLAZED BLOCK WALL	5FL - HALL	INTACT	2018 RIVERFRONT	PRESENT
WHITE PAINT ON PORCELAIN SLOP SINK	5A-009, 1FL – 1D WING	INTACT	2018 RIVERFRONT	PRESENT
OFF WHITE PAINT ON 4' CERAMIC TILE	5A-008, 4I-106, 4A-107, 3F-139, 3F-140, 3A-151, 3A-008, 2A-083, 1A-147	INTACT	2018 RIVERFRONT	PRESENT
WHITE PAINT ON PORCELAIN HAND SINK	5A-008, 4A-106, 3A-151, 3A-005	INTACT	2018 RIVERFRONT	PRESENT
WHITE PAINT ON PORCELAIN BATH TUB	4A-034A, 3A-037A, 2A-090, 2A-085	INTACT	2018 RIVERFRONT	PRESENT
BEIGE W/ BROWN SPECS PAINT ON 4' CERAMIC TILE	3B-029, 3B-014, 3B-012, 3F-141, 3F-142, 3F-146, 2C-045, 2D-077, 1B-020, 1B-027A, 1B-021, B-017, 1A-004, 2A-130	INTACT	2018 RIVERFRONT	PRESENT
WHITE W/ TAN PAINT ON GLAZE BLOCK WALL	3FL – HALL NEAR 3F141	INTACT	2018 RIVERFRONT	PRESENT
GRAY PAINT ON 4' CERAMIC TILE	3F-127, 3D-094B	INTACT	2018 RIVERFRONT	PRESENT
WHITE PAINT ON 4' CERAMIC TILE	3D-066, 3A-106, 3A-054B, 2C-041, 1E-129, 1FL – REFRIDGE 8, 1FL – REFRIDGE 1	INTACT	2018 RIVERFRONT	PRESENT
PEACH PAINT ON CERAMIC BLOCK	3D-066, 3052, 3A-047	INTACT	2018 RIVERFRONT	PRESENT

## 2018 LEAD SUMMARY

BASEBOARD				
LIME GREEN PAINT ON 4' CERAMIC TILE	3D-088, 3D-092	INTACT	2018 RIVERFRONT	PRESENT
BEIGE PAINT ON 4' CERAMIC TILE	3D-094A, 3D-094, 3A-051	INTACT	2018 RIVERFRONT	PRESENT
AQUA BLUE PAINT ON 4' CERAMIC TILE	3A-100, 3A-118, 3A-107	INTACT	2018 RIVERFRONT	PRESENT
AQUA BLUE PAINT ON 6X3 CERAMIC BASEBOARD	3A-100, 3A-107	INTACT	2018 RIVERFRONT	PRESENT
WHITE PAINT ON PORCELAIN SLOP SINK	3A-152	DETERIORATED	2018 RIVERFRONT	PRESENT
PEACH PAINT ON 4' CERAMIC TILE	3A-052, 3A-047	INTACT	2018 RIVERFRONT	PRESENT
GRAY PAINT ON STEEL STAIR RAIL	2FL – 2C HALL	INTACT	2018 RIVERFRONT	PRESENT
TAN W. MICRO SPOTS PAINT ON GLAZED BLOCK WALL	2FL – WB HALL	INTACT	2018 RIVERFRONT	PRESENT
BEIGE PAINT ON PLASTER (DUE TO LEAD SHIELD OR CERAMIC TILE)	2B-126, 2B-030, 1C-060	INTACT	2018 RIVERFRONT	PRESENT
GREEN PAINT ON PLASTER (DUE TO LEAD SHIELD OR CERAMIC TILE)	2B-126	INTACT	2018 RIVERFRONT	PRESENT
WHITE PAINT ON METAL DOOR FRAME	2 FL – 2F HALL, 2A-087	INTACT	2018 RIVERFRONT	PRESENT
BEIGE PAINT ON METAL DOOR FRAME	2A-088	INTACT	2018 RIVERFRONT	PRESENT
TEAL PAINT ON PLASTER (DUE TO LEAD SHIELD OR CERAMIC TILE)	2A-005	INTACT	2018 RIVERFRONT	PRESENT
ROSE PAINT ON 4' CERAMIC TILE	2A-090, 2A-085	INTACT	2018 RIVERFRONT	PRESENT
DARK ROSE PAINT ON 6X4 CERAMIC BASEBOARD	2A-090	INTACT	2018 RIVERFRONT	PRESENT
OFF WHITE/BEIGE PAINT ON 4' CERAMIC TILE	1B-011, 1B-010	INTACT	2018 RIVERFRONT	PRESENT
BEIGE PAINT ON METAL STAIR RAIL	1FL – 1E HALL	INTACT	2018 RIVERFRONT	PRESENT
WHITE PAINT ON DRYWALL (DUE TO LEAD SHIELD OR CERAMIC TILE)	1E-131	INTACT	2018 RIVERFRONT	PRESENT
WHITE PAINT ON GLAZED BLOCK	1FL – 1D WING	INTACT	2018 RIVERFRONT	PRESENT

## 2018 LEAD SUMMARY

WALL				
YELLOW PAINT ON GLAZE BLOCK WALL	1FL – 1D WING, 1FL – 1D DOCK	INTACT	2018 RIVERFRONT	PRESENT
BEIGE PAINT ON PLASTER WINDOW SILL (DUE TO CERAMIC TILE)	1A-030	INTACT	2018 RIVERFRONT	PRESENT
BEIGE PAINT ON PLASTER WALL EXTERIOR (DUE TO CERAMIC TILE)	1A-030 (Exterior Wall),	INTACT	2018 RIVERFRONT	PRESENT
WHITE W/ BROWN SPEC PAINT ON 4' CERAMIC TILE	1A-005, 1A-005	INTACT	2018 RIVERFRONT	PRESENT
BEIGE PAINT IN METAL DOOR FRAME	1FL – NW ENTRY IN 1A HALL	INTACT	2018 RIVERFRONT	PRESENT
BEIGE PAINT ON DOOR AND DOOR FRAME	GROUND FLOOR – GA HALL	DETERIORATED	2018 RIVERFRONT	PRESENT
WHITE PAINT ON METAL DOOR FRAME	GA-007	INTACT	2018 RIVERFRONT	PRESENT
RUST COLORED PAINT ON METAL DOOR FRAME	BASEMENT	DETERIORATED	2018 RIVERFRONT	PRESENT
GRAY PAINT ON METAL DOOR	BASEMENT	DETERIORATED	2018 RIVERFRONT	PRESENT
BLACK PAINT ON METAL PIPE HANGER	BASEMENT	INTACT	2018 RIVERFRONT	PRESENT
GRAY PAINT ON METAL COMPRESSOR TANK	BASEMENT	INTACT	2018 RIVERFRONT	PRESENT
BLACK PAINT ON STEEL LARGE PIPE SUPPORT	BASEMENT	INTACT	2018 RIVERFRONT	PRESENT
BLACK PAINT ON METAL STAND	BASEMENT	INTACT	2018 RIVERFRONT	PRESENT
WHITE PAINT ON METAL FIRE DOOR	BASEMENT – COMPRESSOR ROOM	INTACT	2018 RIVERFRONT	PRESENT
YELLOW PAINT ON STEEL PIPE	BASEMENT – COMPRESSOR ROOM	INTACT	2018 RIVERFRONT	PRESENT
YELLOW PAINT ON SMALL STEEL I-BEAM	BASEMENT – COMPRESSOR ROOM	INTACT	2018 RIVERFRONT	PRESENT
GREEN PAINT ON DRYWALL (DUE TO CERAMIC TILE)	4A-056	INTACT	2018 RIVERFRONT	PRESENT
OFF WHITE PAINT ON 4' CERAMIC TILE (BEHIND DRYWALL)	4A-056	INTACT	2018 RIVERFRONT	PRESENT
BEIGE PAINT ON METAL RAIL	EXTERIOR	INTACT	2018 RIVERFRONT	PRESENT

## 2018 LEAD SUMMARY

BROWN PAINT ON METAL DOUBLE DOOR AND FRAME	EXTERIOR	INTACT	2018 RIVERFRONT	PRESENT
BROWN PAINT ON METAL BASEMENT DOOR AND FRAME	EXTERIOR – BASEMENT	DETERIORATED	2018 RIVERFRONT	PRESENT
BROWN PAINT ON METAL DOOR AND FRAME	EXTERIOR	DETERIORATED	2018 RIVERFRONT	PRESENT

## **2018 Lead Bulk Samples**



**2018 Limited Lead Inspection  
XRF Paint Sampling Summary Table**

Sample No.	Material Color	Floor	Room	Component	Substrate	Condition	Lead Content (mg/cm <sup>2</sup> )
1		Calibration					1
2		Calibration					0.9
3		Calibration					1
4		Calibration					0.8
5		Calibration					1
6		Calibration					0.9
7	White	Sixth (6)	6A-6001B	Wall	Concrete	Intact	0.1
8	White	Sixth (6)	6A-6001B	Wall	Concrete	Intact	0.1
9	White	Sixth (6)	6A-6001B	Wall	Brick	Intact	-0.2
10	White	Sixth (6)	6A-6001B	Wall	Brick	Intact	-0.3
11	White	Sixth (6)	6A-6001B	Wall	Drywall	Intact	-0.1
12	White	Sixth (6)	6A-6001B	Wall	Drywall	Intact	-0.1
13	Gray	Sixth (6)	6A-6001B	Wall	Drywall	Intact	0
14	Gray	Sixth (6)	6A-6001B	Wall	Drywall	Intact	-0.3
15	Gray	Sixth (6)	6A-6001B	Wall	Brick	Intact	0
16	Gray	Sixth (6)	6A-6001B	Wall	Brick	Intact	0.2
17	Gray	Sixth (6)	6A-6001B	Floor	Concrete	Intact	0
18	White	Sixth (6)	6000	Wall	Drywall	Intact	0.1
19	Tan	Sixth (6)	6000	Wall	Drywall	Intact	-0.1
20	Tan	Sixth (6)	6000	Wall	Drywall	Intact	-0.1
21	Gray	Sixth (6)	6000	Floor	Concrete	Intact	-0.1
				Floor			
22	Gray	Sixth (6)	6000		Wood	Intact	-0.1

				Window Frame			
23	White	Sixth (6)	6000		Wood	Intact	-0.1
24	White	Sixth (6)	6000	Window Frame	Wood	Intact	-0.1
25	White	Sixth (6)	6000	Window Frame	Metal	Intact	0
26	Tan	Sixth (6)	6000	Door Frame	Metal	Intact	0.5
27	Tan	Sixth (6)	6000	Door Frame	Metal	Intact	2
28	Tan	Sixth (6)	6000	Door Frame	Metal	Intact	1.8
29	Tan	Sixth (6)	6000	Door	Metal	Intact	0
30	Tan	Sixth (6)	6000	Door	Metal	Deteriorated	3.3
31	Tan	Sixth (6)	6000	Door	Metal	Intact	2.5
32	White	Sixth (6)	6001	Door Frame	Metal	Intact	0
33	Gray	Sixth (6)	6000	Door Frame	Metal	Intact	0
34	Gray	Sixth (6)	6000	Door	Metal	Intact	-0.2
35	Red	Sixth (6)	6000	Sprinkler Line	Metal	Intact	-0.1
36	Red	Sixth (6)	6000	Sprinkler Line	Metal	Intact	-0.2
37	Red	Sixth (6)	6000	Sprinkler Line	Metal	Intact	-0.1
38	Gray	Sixth (6)	6000	Stair Rail	Metal	Deteriorated	0.1
39	Gray	Sixth (6)	6000	Stair Step	Steel	Deteriorated	-0.2
40	Gray	Sixth (6)	6000	Stair Str.	Steel	Intact	-0.1
41	Gray	Seventh (7)	7000	Floor	Concrete	Intact	0.1
42	Gray	Seventh (7)	7000	Wall	Metal	Intact	0
43	White	Seventh (7)	7000	Wall	Drywall	Intact	-0.2
44	White	Seventh (7)	7000	Wall	Drywall	Intact	-0.2
45	White	Seventh (7)	7000	Wall	Drywall	Intact	-0.3
46	Gray	Seventh (7)	7000	Door	Metal	Intact	-0.1
47	Gray	Seventh (7)	7000	Door	Metal	Intact	-0.1
48	Gray	Seventh (7)	7000	Door	Metal	Intact	0

49	Teal	Seventh (7)	7000	Door	Metal	Deteriorated	3.1
50	Teal	Seventh (7)	7000	Door Frame	Metal	Deteriorated	1.9
51	Gray	Seventh (7)	7000	Door Frame	Metal	Intact	0
52	Gray	Seventh (7)	7000	Door Frame	Metal	Intact	0
53	Gray	Seventh (7)	7000	Door Frame	Metal	Intact	0
54	Yellow	Seventh (7)	7000	Wall	Brick	Intact	0
55	Yellow	Seventh (7)	7000	Wall	Brick	Intact	-0.1
56	Yellow	Seventh (7)	7000	Wall	Concrete	Deteriorated	0.3
57	Red	Seventh (7)	7000	Sprinkler Line	Metal	Intact	0
58	White	Seventh (7)	7000	Window Frame	Wood	Intact	-0.1
59	Yellow	Seventh (7)	7000	Cabinet	Metal	Deteriorated	-0.1
60	White	Seventh (7)	7000	Hand Sink	Porcelain	Intact	-0.2
61	Black	Seventh (7)	7000	Ladder	Metal	Deteriorated	2.8
62	Silver	Sixth (6)	6000	Ladder	Metal	Deteriorated	-0.1
63	Light Blue	Fifth (5)	5A-029	Wall	Plaster	Intact	0
64	White	Fifth (5)	5A-029	Window Frame	Metal	Intact	0.2
65	White	Fifth (5)	5A-028	Door Frame	Metal	Intact	0.3
66	Beige w. Specs	Fifth (5)	5A-029	Wall	4" Ceramic Tile	Intact	0.4
67	White	Fifth (5)	5A-030	Hand Sink	Porcelain	Intact	0.1
68	Light Green	Fifth (5)	5A-029	Wall	Plaster	Intact	-0.1
69	Flat Blue	Fifth (5)	5A-029	Door Frame	Metal	Intact	0.6
70	Gray	Fifth (5)	5A-029	Door	Wood	Intact	0
71	Light Blue	Fifth (5)	5A-029	Heater	Metal	Intact	-0.1
72	White	Fifth (5)	5C-025A	Wall	Drywall	Intact	-0.3
73	White	Fifth (5)	5C-025A	Wall	Drywall	Intact	-0.1
74	White	Fifth (5)	5C-025A	Wall	Drywall	Intact	-0.2
75	Light Gray	Fifth (5)	5C-025A	Window Sill	Wood	Intact	-0.3

76	Tan	Fifth (5)	5C-025	Door	Metal	Intact	0.1
77	Flat Blue	Fifth (5)	5C-025	Door Frame	Metal	Intact	-0.5
78	Beige	Fifth (5)	5C Hall	Wall	Plaster	Intact	0.1
79	Beige	Fifth (5)	5C Hall	Wall	Plaster	Intact	0.1
80	Beige	Fifth (5)	5C Hall	Wall	Plaster	Intact	-0.3
81	White	Fifth (5)	5A-022	Wall	Plaster	Intact	0.1
82	White	Fifth (5)	5A-022	Wall	Painted Block	Intact	-0.1
83	White	Fifth (5)	5A-022	Hand Sink	Porcelain	Intact	-0.3
84	White	Fifth (5)	5A-022	Window Sill	Wood	Intact	0.1
85	Tan	Fifth (5)	5A-021	Wall	4" Ceramic Tile	Intact	0.1
86	White	Fifth (5)	5A-021	Wall	Drywall	Intact	0.1
87	White	Fifth (5)	5A-021	Wall	Plaster	Intact	0.2
88	White	Fifth (5)	5A-021	Door Frame	Metal	Intact	0.6
89	White	Fifth (5)	5A-030	Wall	Plaster	Intact	0.3
90	Beige	Fifth (5)	5B Hall	Wall	Plaster	Intact	-0.2
91	Beige	Fifth (5)	5B Hall	Wall	Plaster	Intact	0.1
92	Beige	Fifth (5)	5B Hall	Wall	Plaster	Intact	-0.3
93	Lt. Blue	Fifth (5)	5A-005	Wall	Plaster	Intact	0
94	Beige w. Specs	Fifth (5)	5A-005	Wall	4" Ceramic Tile	Intact	0.2
95	Dark Brown	Fifth (5)	5A-005	Floor	Epoxy	Intact	-0.1
96		Calibration					1
97		Calibration					1
98		Calibration					1.1
99		Calibration					1
100		Calibration					1
101		Calibration					1
102	Beige	Fifth (5)	5B-015	Wall	Plaster	Intact	0.1

103	Flat Blue	Fifth (5)	5B-012	Door Frame	Metal	Intact	0.2
104	Gray	Fifth (5)	5B-012	Door	Wood	Intact	-0.1
105	White	Fifth (5)	5B-015	Window Frame	Wood	Intact	0.1
106	Tan	Fifth (5)	5B Hall	Door	Metal	Intact	0.2
107	Tan	Fifth (5)	5B Hall	Seismic Beam	Metal	Intact	0.1
108	Tan	Fifth (5)	5C Hall	Seismic Beam	Metal	Intact	0
109	Sage Green	Fifth (5)	5A-035	Wall	Plaster	Intact	0
110	Beige	Fifth (5)	5F Hall	Wall	Plaster	Intact	-0.1
111	Beige	Fifth (5)	5F Hall	Wall	Plaster	Intact	0
112	Beige	Fifth (5)	5F Hall	Wall	Plaster	Intact	-0.3
113	Beige	Fifth (5)	5F-068	Wall	Plaster	Intact	0.2
114	Tan	Fifth (5)	5F-069	Wall	Plaster	Intact	-0.1
115	White	Fifth (5)	5F-070	Window Sill	Wood	Intact	0.3
116	White	Fifth (5)	5F-071	Heater	Metal	Intact	0.2
117	Tan	Fifth (5)	5F-072	Heater	Metal	Intact	0.2
118		Calibration					0.7
119		Calibration					0.8
120		Calibration					1
121		Calibration					0.9
122		Calibration					1
123		Calibration					1
124	Gray	Fifth (5)	5F-066	Door	Wood	Intact	-0.1
125	Beige	Fifth (5)	5F-066	Wall	Plaster	Intact	0
126	Sage Green	Fifth (5)	5F-066	Wall	Plaster	Intact	0.1
127	White	Fifth (5)	5F-066	Window Frame	Wood	Intact	0
128	White	Fifth (5)	5F-066	Door Frame	Metal	Intact	0.5
129	Lt. Blue	Fifth (5)	5F-065	Wall	Plaster	Intact	-0.3

130	White	Fifth (5)	5F-065	Hand Sink	Porcelain	Intact	0
131	Flat Blue	Fifth (5)	5F-065	Door Frame	Metal	Intact	0.1
132	White	Fifth (5)	5F-065	Window Frame	Wood	Intact	-0.1
133	Tan	Fifth (5)	5F Hall	Door	Metal	Intact	0.1
134	Beige	Fifth (5)	5F-068	Door	Metal	Intact	0.4
135	Peach	Fifth (5)	5F-067	Wall	Plaster	Intact	-0.1
136	Peach	Fifth (5)	5F-067	Window Sill	Wood	Intact	0.3
137	Peach	Fifth (5)	5F-067	Heater	Metal	Intact	0.2
138	White	Fifth (5)	5F-064	Wall	Concrete	Intact	-0.2
139	Beige	Fifth (5)	5F-071	Wall	Plaster	Intact	-0.1
140	Beige	Fifth (5)	5F-071	Window Frame	Wood	Intact	0
141	Beige	Fifth (5)	5F-071	Heater	Metal	Intact	0.3
142	Beige	Fifth (5)	5F-071	Door Frame	Metal	Intact	-0.4
143	Beige	Fifth (5)	5F Hall	Seismic Beam	Metal	Intact	-0.1
144	Beige	Fifth (5)	5E Hall	Wall	Plaster	Intact	-0.1
145	Beige	Fifth (5)	5E Hall	Wall	Plaster	Intact	0
146	Beige	Fifth (5)	5E Hall	Wall	Plaster	Intact	-0.1
147	Lt. Blue	Fifth (5)	5E-54	Wall	Brick	Intact	0
148	Lt. Blue	Fifth (5)	5E-54	Wall	Brick	Intact	0.5
149	Lt. Blue	Fifth (5)	5E-54	Wall	Brick	Intact	0.1
150	Lt. Blue	Fifth (5)	5E-54	Window Sill	Concrete	Intact	0.1
151	White	Fifth (5)	5E-54	Window Frame	Wood	Intact	-0.2
152	Lt. Blue	Fifth (5)	5E-54	Heater	Metal	Intact	-0.1
153	Flat Blue	Fifth (5)	5E-54	Door Frame	Metal	Intact	0.1
154	Beige	Fifth (5)	5E-54	Door	Metal	Intact	0
155	Beige	Fifth (5)	5A-057	Wall	Plaster	Intact	-0.2
156	Beige	Fifth (5)	5A-051	Wall	Plaster	Intact	-0.1

157	Beige	Fifth (5)	5A-051	Window Sill	Wood	Intact	0.2
158	Beige	Fifth (5)	5A-051	Heater	Metal	Intact	0.2
159	White w. Gold	Fifth (5)	5A-053A	Wall	4" Ceramic Tile	Intact	0.2
160	Beige	Fifth (5)	5A-053A	Door Frame	Metal	Intact	0.1
161	Beige	Fifth (5)	5A-053	Wall	Plaster	Intact	-0.4
162		Calibration					0.7
163		Calibration					1
164		Calibration					1
165		Calibration					0.9
166	White	Fifth (5)	5A-060	Wall	Drywall	Intact	0.1
167	White	Fifth (5)	5A-060	Wall	4" Ceramic Tile	Intact	-0.4
168	White	Fifth (5)	5A-060	Hand Sink	Porcelain	Intact	-0.2
169	Tan	Fifth (5)	5A-048	Wall	Plaster	Intact	0.1
170	Beige	Fifth (5)	5A-077	Wall	4" Ceramic Tile	Intact	-0.3
171	Brown	Fifth (5)	5A-077	Floor	2" Ceramic Tile	Intact	0.1
172	Tan	Fifth (5)	5A-077	Floor	2" Ceramic Tile	Intact	0.2
173	Brown w. Specs	Fifth (5)	5A-077	Floor	2" Ceramic Tile	Intact	-0.1
174	Tan w. Specs	Fifth (5)	5A-077	Floor	2" Ceramic Tile	Intact	0.1
175	Lt. Green	Fifth (5)	5A-5A2	Wall	Drywall	Intact	0.1
176	Beige	Fifth (5)	5A-003	Wall	4" Ceramic Tile	Intact	0
177	Beige	Fifth (5)	5A Hall	Wall	Plaster	Intact	0
178	Beige	Fifth (5)	5A Hall	Wall	Plaster	Intact	-0.1
179	Beige	Fifth (5)	5A Hall	Wall	Plaster	Intact	0
180	Green Spots	Fifth (5)	5A Hall	Wall	Glazed Block	Intact	0
181	Lt. Green w. Spots	Fifth (5)	5A Hall	Wall	Glazed Block	Intact	2
182	Lt. Green w. Spots	Fifth (5)	5A Hall	Wall	Glazed Block	Intact	4.3
183	Lt. Solid Green	Fifth (5)	5A Hall	Wall	Glazed Block	Intact	1.2

184	Green Spots	Fifth (5)	5A Hall	Wall	Glazed Block	Intact	0
185	Dark Green Base	Fifth (5)	5A Hall	Wall	Glazed Block	Intact	0.1
186	Dark Green Base	Fifth (5)	5A Hall	Wall	Glazed Block	Intact	-0.1
187	Black Base	Fifth (5)	5A Hall	Wall	Glazed Block	Intact	-0.1
188	Dark Green Base	Fifth (5)	5A Hall	Wall	Glazed Block	Intact	0.1
189	Lt. Green w. Spots	Fifth (5)	5A Hall	Wall	Glazed Block	Intact	3.8
190	Green Spots	Fifth (5)	5A Hall	Wall	Glazed Block	Intact	-0.1
191	Tan Spots	Fifth (5)	5A Hall	Wall	Glazed Block	Intact	-0.1
192	Lt. Tan/White w. Spots	Fifth (5)	5A Hall	Wall	Glazed Block	Intact	3.6
193	Brick Red Base	Fifth (5)	5A Hall	Wall	Glazed Block	Intact	0.5
194	Tan w. Spots	Fifth (5)	5A Hall	Wall	Glazed Block	Intact	-0.2
195	Lt. Tan w. Spots	Fifth (5)	5A Hall	Wall	Glazed Block	Intact	0
196	Tan w. Spots	Fifth (5)	5A Hall	Wall	Glazed Block	Intact	-0.2
197	Lt. Tan w. Spots	Fifth (5)	5A Hall	Wall	Glazed Block	Intact	-0.1
198	Red Brick Base	Fifth (5)	5A Hall	Wall	Glazed Block	Intact	0.1
199	Tan Solid	Fifth (5)	5A Hall	Wall	Glazed Block	Intact	0.1
200	Lt. Tan w. Spots	Fifth (5)	5A Hall	Wall	Glazed Block	Intact	-0.1
201	Beige	Fifth (5)	5A Hall	Seismic Beam	Metal	Intact	-0.2
202	Tan	Fifth (5)	5A Hall	Door	Metal	Intact	0.2
203	Flat Blue	Fifth (5)	5A Hall	Door Frame	Metal	Intact	0.2
204		Calibration					1
205		Calibration					1
206		Calibration					1
207		Calibration					1
208		Calibration					1
209		Calibration					1
210	White	Fifth (5)	5A-009	Slop Sink	Porcelain	Intact	36



211	Brick	Fifth (5)	5A-009	Baseboard	Ceramic	Intact	0.2
212	White	Fifth (5)	5A-009	Ceiling	Drywall	Intact	0.7
213	Off White	Fifth (5)	5A-008	Wall	4" Ceramic Tile	Intact	2.9
214	White	Fifth (5)	5A-008	Hand Sink	Porcelain	Intact	1.8
215	Red	Fifth (5)	5A-008	Floor	2" Ceramic Tile	Intact	0
216	Tan/Orange	Fifth (5)	5A-008	Floor	2" Ceramic Tile	Intact	0
217	Off White	Fifth (5)	5A-008	Wall	4" Ceramic Tile	Intact	2.2
218	White	Fifth (5)	5A-044	Wall	4" Ceramic Tile	Intact	0
219	Red	Fifth (5)	5A-008	Wall	Clay Tiles	Intact	-0.4
220	White	Fourth (4)	4C Hall	Wall	Drywall	Intact	0.2
221	White	Fourth (4)	4C Hall	Wall	Drywall	Intact	0.1
222	White	Fourth (4)	4C Hall	Wall	Drywall	Intact	0.1
223	White	Fourth (4)	4C Hall	Door	Metal	Intact	0.1
224	White	Fourth (4)	4C Hall	Door Frame	Metal	Intact	0.5
225	Beige	Fourth (4)	4C Hall	Door Frame	Metal	Deteriorated	0.4
226	White	Fourth (4)	4C Hall	Seismic Beam	Metal	Intact	-0.1
227	Tan	Fourth (4)	4C-038A	Wall	Drywall	Intact	0.1
228	Tan	Fourth (4)	4C-038A	Wall	Drywall	Intact	-0.2
229	Tan	Fourth (4)	4C-038A	Wall	Drywall	Intact	0.2
230	Tan	Fourth (4)	4C-038A	Heater	Metal	Intact	0.1
231	Gray	Fourth (4)	4C-038A	Window Sill	Marble	Intact	0
232	White	Fourth (4)	4C-038A	Window Frame	Wood	Intact	-0.1
233	Lt. Blue	Fourth (4)	4C-038	Wall	Drywall	Intact	-0.1
234	Lt. Blue	Fourth (4)	4C-038	Wall	Drywall	Intact	0
235	Lt. Blue	Fourth (4)	4C-038	Wall	Drywall	Intact	-0.1
236	White	Fourth (4)	4B Hall	Wall	Drywall	Intact	0.1
237	White	Fourth (4)	4B Hall	Wall	Drywall	Intact	0.2

238	White	Fourth (4)	4B Hall	Wall	Drywall	Intact	0
239	White	Fourth (4)	4B Hall	Door Frame	Metal	Intact	0.5
240	White	Fourth (4)	4B Hall	Overhead Support	Metal	Intact	0.1
241	White	Fourth (4)	4B Hall	Door	Metal	Intact	0
242	Green	Fourth (4)	4B-018	Wall	Drywall	Intact	0.1
243	Green	Fourth (4)	4B-018	Wall	Drywall	Intact	0
244	Green	Fourth (4)	4B-018	Wall	Drywall	Intact	-0.2
245	Gray	Fourth (4)	4B-018	Window Sill	Marble	Intact	0
246	Green	Fourth (4)	4B-018	Heater Wall	Metal	Intact	-0.1
247	Off White	Fourth (4)	4017	Wall	4" Ceramic Tile	Intact	-0.4
248	Blue	Fourth (4)	4017	Window Frame	6"x1" Ceramic Tile	Intact	-0.5
249	White	Fourth (4)	4017	Wall	Wood	Intact	0.1
250	White	Fourth (4)	4017	Heater	Drywall	Intact	0.2
251	White	Fourth (4)	4017	Wall	Metal	Intact	0.2
252	Beige	Fourth (4)	4B-024	Wall	Drywall	Intact	0
253	Beige	Fourth (4)	4B-024	Wall	Drywall	Intact	0.1
254	Beige	Fourth (4)	4B-024	Wall	Drywall	Intact	-0.1
255	White	Fourth (4)	4F Hall	Wall	Drywall	Intact	-0.3
256	White	Fourth (4)	4F Hall	Wall	Drywall	Intact	-0.4
257	White	Fourth (4)	4F Hall	Wall	Drywall	Intact	-0.3
258	White	Fourth (4)	4F Hall	Door	Metal	Intact	0
259	White	Fourth (4)	4F Hall	Door Frame	Metal	Intact	0.2
260	Tan	Fourth (4)	4FL Hall	Door	Metal	Intact	0.1
261	White	Fourth (4)	4FL Hall	Seismic Beam	Metal	Intact	0.2
262	Beige	Fourth (4)	4F-101	Wall	Drywall	Intact	0.1
263	Beige	Fourth (4)	4F-101	Wall	Drywall	Intact	0.1
264	Beige	Fourth (4)	4F-101	Wall	Drywall	Intact	0.1

265	Beige	Fourth (4)	4F-101	Window Frame	Wood	Intact	-0.1
266	Gray	Fourth (4)	4F-101	Window Sill	Marble	Intact	0
267	Beige	Fourth (4)	4F-101	Heater	Metal	Intact	0.2
268	White	Fourth (4)	4F-102	Wall	Drywall	Intact	0
269	Off White	Fourth (4)	4F-102	Wall	4" Ceramic Tile	Intact	-0.4
270	Blue	Fourth (4)	4F-102	Wall	6"x1" Ceramic Tile	Intact	-0.5
271	White	Fourth (4)	4F-102	Hand Sink	Porcelain	Intact	-0.2
272	White	Fourth (4)	4E Hall	Wall	Drywall	Intact	0.2
273	White	Fourth (4)	4E Hall	Wall	Drywall	Intact	0.2
274	White	Fourth (4)	4E Hall	Wall	Drywall	Intact	0.2
275	White	Fourth (4)	4E Hall	Door	Metal	Intact	0
276	White	Fourth (4)	4E Hall	Door Frame	Metal	Intact	0.4
277	White	Fourth (4)	4E Hall	Seismic Beam	Metal	Intact	0
278	Beige	Fourth (4)	4E-76	Wall	Drywall	Intact	0.2
279	Beige	Fourth (4)	4E-76	Window From	Wood	Intact	-0.2
280	Gray	Fourth (4)	4E-76	Window Sill	Marble	Intact	0.1
281	Beige	Fourth (4)	4E-76	Heater	Metal	Intact	0.2
282	White	Fourth (4)	4E-076A	Wall	Drywall	Intact	0.1
283	Off White	Fourth (4)	4E-076A	Wall	4" Ceramic Tile	Intact	-0.4
284	Blue	Fourth (4)	4E-076A	Wall	6"x1" Ceramic Tile	Intact	-0.3
285	White	Fourth (4)	4E-076A	Hand Sink	Porcelain	Intact	-0.1
286	Beige	Fourth (4)	4E-74	Wall	Drywall	Intact	-0.1
287	Beige	Fourth (4)	4E-074A	Wall	Drywall	Intact	0.2
288	White	Fourth (4)	4A Hall	Wall	Drywall	Intact	0.2
289	White	Fourth (4)	4A Hall	Wall	Drywall	Intact	0.2
290	White	Fourth (4)	4A Hall	Wall	Drywall	Intact	0.1

291	White	Fourth (4)	4A Hall	Door	Metal	Intact	0.2
292	White	Fourth (4)	4A Hall	Door Frame	Metal	Intact	0.4
293	White	Fourth (4)	4A Hall	Seismic Beam	Metal	Intact	0.1
294	Tan	Fourth (4)	4A-107	Wall	Glazed Block	Intact	0.1
295	Brick Red	Fourth (4)	4A-107	Wall	Glazed Block	Intact	0.1
296	White	Fourth (4)	4A-107	Slop Sink	Porcelain	Deteriorated	21.4
297	Red	Fourth (4)	4A-107	Floor	2" Ceramic Tile	Intact	0.2
298	Tan/Orange	Fourth (4)	4A-107	Floor	2" Ceramic Tile	Intact	0.2
299	Red	Fourth (4)	4A-107	Sprinkler Line	Metal	Intact	-0.1
300	Off White	Fourth (4)	4A-106	Wall	4" Ceramic Tile	Intact	2.7
301	White	Fourth (4)	4A-106	Sink	Porcelain	Intact	1.3
302	Red	Fourth (4)	4A-106	Floor	2" Ceramic Tile	Intact	0
303	Tan/Orange	Fourth (4)	4A-106	Floor	2" Ceramic Tile	Intact	0.1
304	Off White	Fourth (4)	4A-106	Wall	4" Ceramic Tile	Intact	2.9
305	Gray	Fourth (4)	4A-106	Sink Stand	Concrete	Intact	0
306	White	Fourth (4)	4A-078	Wall	Drywall	Intact	0.1
307	White	Fourth (4)	4A-078	Window Sill	Drywall	Intact	0.2
308	White	Fourth (4)	4A-078	Window Frame	Wood	Intact	0
309	White	Fourth (4)	4A-078	Heater	Metal	Intact	0.2
310	White	Fourth (4)	4A-078	Door Frame	Metal	Intact	0.5
311		Calibration					1
312		Calibration					1.1
313		Calibration					1
314	Beige	Fourth (4)	4A-081	Wall	Drywall	Intact	0.2
315	Off White	Fourth (4)	4A-081	Wall	4" Ceramic Tile	Intact	-0.3
316	Blue	Fourth (4)	4A-081	Wall	6"x1" Ceramic Tile	Intact	-0.4
317	White	Fourth (4)	4A-081	Hand Sink	Porcelain	Intact	-0.2

318	Brick	Fourth (4)	4A-081	Floor	9"x9" Ceramic Tile	Intact	0.1
319	White	Fourth (4)	4A-081	Whirlpool Tub	PVC?	Intact	-0.2
320	White	Fourth (4)	4A-080	Wall	Drywall	Intact	0.2
321	Beige	Fourth (4)	4A-066	Wall	Drywall	Intact	0.1
322	Gray	Fourth (4)	4A-066	Window Sill	Marble	Intact	0.3
323	White	Fourth (4)	4A-066	Window Frame	Wood	Intact	0
324	Beige	Fourth (4)	4A-066	Heater	Metal	Intact	0.2
325	Tan	Fourth (4)	4A-055	Wall	Glazed Block	Intact	-0.1
326	Brick Red	Fourth (4)	4A-055	Baseboard	Glazed Block	Intact	0.2
327	Red	Fourth (4)	4A-055	Floor	2" Ceramic Tile	Intact	0.2
328	Tan/Orange	Fourth (4)	4A-055	Floor	2" Ceramic Tile	Intact	0.1
329	White	Fourth (4)	4A-055	Slop Sink	Porcelain	Deteriorated	31
330	Red	Fourth (4)	4A-055	Sprinkler Line	Metal	Intact	0
331	Off White	Fourth (4)	4A-007	Wall	4" Ceramic Tile	Intact	2
332	Red	Fourth (4)	4A-007	Floor	2" Ceramic Tile	Intact	0.1
333	Tan/Orange	Fourth (4)	4A-007	Floor	2" Ceramic Tile	Intact	0
334	White	Fourth (4)	4A-007	Sink	Porcelain	Intact	-0.2
335	Gray	Fourth (4)	4A-007	Sink Stand	Concrete	Deteriorated	0
336	White	Fourth (4)	4A-007	Sink	Porcelain	Intact	0.3
337	White	Fourth (4)	4A-001	Wall	Drywall	Intact	0.2
338	Off White	Fourth (4)	4A-001	Wall	4" Ceramic Tile	Intact	-0.4
339	Blue	Fourth (4)	4A-001	Wall	6"x1" Ceramic Tile	Intact	-0.1
340	White	Fourth (4)	4A-001	Hand Sink	Porcelain	Intact	0
341	White	Fourth (4)	4A-002	Ceiling	Drywall	Intact	-0.2
342	Lt. Blue	Fourth (4)	4A-004	Wall	Drywall	Intact	0.1
343	Brick	Fourth (4)	4A-032	Floor	9" Ceramic	Intact	0.1

344	Beige	Fourth (4)	4A-034	Wall	Drywall	Intact	-0.2
345	White w. Gold Specs	Fourth (4)	4A-034A	Wall	4" Ceramic Tile	Intact	-0.4
346	White	Fourth (4)	4A-034A	Bathtub	Porcelain	Intact	41
347	White	Fourth (4)	4A Hall	Wall	Drywall	Intact	0.1
348	White	Third (3)	3C Hall	Wall	Drywall	Intact	0.1
349	White	Third (3)	3C Hall	Wall	Drywall	Intact	0.3
350	White	Third (3)	3C Hall	Wall	Drywall	Intact	0.2
351	White	Third (3)	3C Hall	Window Frame	Metal	Intact	0
352	Gray	Third (3)	3C Hall	Window Sill	Marble	Intact	0.1
353	White	Third (3)	3C Hall	Door	Metal	Intact	0
354	White	Third (3)	3C Hall	Heater	Metal	Intact	0.2
355	White	Third (3)	3C Hall	Hand Sink	Porcelain	Intact	0.1
356	White	Third (3)	3C Hall	Seismic Beam	Metal	Intact	0
357	Tan	Third (3)	3C Hall	Door	Metal	Intact	0.1
358	White	Third (3)	3C Hall	Door Frame	Metal	Intact	0.2
359	Lt. Blue	Third (3)	3C-041	Wall	Plaster	Intact	0
360	Lt. Blue	Third (3)	3C-041	Wall	Plaster	Intact	-0.1
361	Lt. Blue	Third (3)	3C-041	Wall	Plaster	Intact	0.1
362	Lt. Blue	Third (3)	3C-041	Heater	Metal	Intact	0.2
363	White	Third (3)	3C-041	Window Frame	wood	Intact	-0.2
364	Gray	Third (3)	3C-041	Window Sill	Marble	Intact	0
365	Beige w. Brown Specs	Third (3)	3C-041	Wall	4" Ceramic Tile	Intact	-0.2
366	Solid Beige	Third (3)	3C-041	Wall	4" Ceramic Tile	Intact	-0.1
367	White	Third (3)	3C-041	Hand Sink	Porcelain	Intact	-0.4
368	Lt. Blue	Third (3)	3C-041	Ceiling	Plaster	Intact	-0.3
369	Lt. Green	Third (3)	3C-040A	Wall	Plaster	Intact	-0.2
370	Lt. Green	Third (3)	3C-040A	Wall	Plaster	Intact	-0.1

371	Lt. Green	Third (3)	3C-040A	Wall	Plaster	Intact	-0.2
372	White	Third (3)	3C-040A	Window Frame	Wood	Intact	0
373	Gray	Third (3)	3C-040A	Window Sill	Marble	Intact	0.1
374	Lt. Green	Third (3)	3C-040A	Heater	Metal	Intact	0.1
375	Solid Beige	Third (3)	3C-040A	Wall	4" Ceramic Tile	Intact	-0.3
376	White	Third (3)	3C-040A	Hand Sink	Porcelain	Intact	0.4
377	Beige	Third (3)	3C-041B	Wall	Plaster	Intact	0
378	Beige	Third (3)	3C-041B	Wall	Plaster	Intact	0.1
379	Beige	Third (3)	3C-041B	Wall	Drywall	Intact	0
380	Beige	Third (3)	3C-041B	Wall	Drywall	Intact	-0.1
381	White	Third (3)	3C-041B	Window Frame	Wood	Intact	0
382	Gray	Third (3)	3C-041B	Window Sill	Marble	Intact	0.4
383	White	Third (3)	3C-041B	Heater	Metal	Intact	0.2
384	White	Third (3)	3C-041B	Door Frame	Metal	Intact	0.5
385	White	Third (3)	3B Hall	Wall	Drywall	Intact	0.3
386	White	Third (3)	3B Hall	Wall	Drywall	Intact	0
387	White	Third (3)	3B Hall	Wall	Drywall	Intact	-0.1
388	Tan	Third (3)	3B Hall	Door	Metal	Intact	0.1
389	White	Third (3)	3B Hall	Door Frame	Metal	Intact	0.5
390	White	Third (3)	3B Hall	Door	Metal	Intact	0
391	White	Third (3)	3B Hall	Door Frame	Metal	Intact	0.1
392		Calibration					1
393		Calibration					1
394		Calibration					1
395	Beige	Third (3)	3B-011	Wall	Plaster	Intact	0.1
396	White	Third (3)	3B-011	Window Frame	Wood	Intact	-0.1
397	Gray	Third (3)	3B-011	Window Sill	Marble	Intact	0.3

398	White	Third (3)	3B-011	Heater	Metal	Intact	0.2
399	White	Third (3)	3B-011	Hand Sink	Porcelain	Intact	-0.1
400	Off White	Third (3)	3010	Wall	4" Ceramic Tile	Intact	0.1
401	Brown	Third (3)	3010	Floor	2" Ceramic Tile	Intact	0.2
402	Tan	Third (3)	3010	Floor	2" Ceramic Tile	Intact	0.3
403	Brown w. Specs	Third (3)	3010	Floor	2" Ceramic Tile	Intact	0.1
404	Tan w. Specs	Third (3)	3010	Floor	2" Ceramic Tile	Intact	0.2
405	Beige	Third (3)	3B-020	Wall	Drywall	Intact	-0.3
406	White	Third (3)	3A-022	Wall	Drywall	Intact	-0.1
407	White	Third (3)	3B-017	Wall	Drywall	Intact	-0.1
408	White	Third (3)	3B-017	Window Frame	Metal	Intact	0
409	White	Third (3)	3B-023	Wall	Plaster	Intact	-0.2
410	White	Third (3)	3B-023	Wall	Drywall	Intact	0
411	White	Third (3)	3B-026A	Wall	Drywall	Intact	-0.1
412	White w. Blue Specs	Third (3)	3B-026A	Wall	4" Ceramic Tile	Intact	-0.5
413	White	Third (3)	3B-026A	Sink	Porcelain	Intact	-0.2
414	Gray	Third (3)	3B-026A	Window Sill	Marble	Intact	0.2
415	Lt. Blue	Third (3)	3B-029	Wall	Plaster	Intact	-0.2
416	Lt. Blue	Third (3)	3B-029	Wall	Plaster	Intact	-0.3
417	Lt. Blue	Third (3)	3B-029	Wall	Plaster	Intact	0
418	Beige/Tan w. Brown Specs	Third (3)	3B-029	Wall	4" Ceramic Tile	Intact	16.6
419	Off White	Third (3)	3B-029	Wall	4" Ceramic Tile	Intact	-0.5
420	Brown	Third (3)	3028	Floor	2" Ceramic Tile	Intact	0
421	Tan	Third (3)	3028	Floor	2" Ceramic Tile	Intact	0.2
422	Brown w. Specs	Third (3)	3028	Floor	2" Ceramic Tile	Intact	0.1
423	Tan w. Specs	Third (3)	3028	Floor	2" Ceramic Tile	Intact	0.2
424	Beige/Tan w. Brown Specs	Third (3)	3B-014	Wall	4" Ceramic Tile	Intact	19.7



425	White	Third (3)	3B-014	Wall	Plaster	Intact	-0.1
426	White	Third (3)	3B-014	Wall	Plaster	Intact	0.1
427	Off White	Third (3)	3B-013	Wall	4" Ceramic Tile	Intact	0.1
428	Beige/Tan w. Brown Specs	Third (3)	3B-012	Wall	4" Ceramic Tile	Intact	18.2
429	Beige	Third (3)	3B-033	Wall	Plaster	Intact	-0.1
430	Beige	Third (3)	3B-033	Wall	Plaster	Intact	-0.1
431	Beige	Third (3)	3F Hall	Wall	Plaster	Intact	0
432	Beige	Third (3)	3F Hall	Wall	Plaster	Intact	0.2
433	Beige	Third (3)	3F Hall	Wall	Plaster	Intact	0
434	Tan w. Spots	Third (3)	3F Hall	Wall	Glazed Block	Intact	-0.1
435	Tan w. Spots	Third (3)	3F Hall	Wall	Glazed Block	Intact	0.2
436	Tan w. Spots	Third (3)	3F Hall	Wall	Glazed Block	Intact	0
437	White w. Tan	Third (3)	3F Hall (Near 3F141)	Wall	Glazed Block	Intact	3.1
438	Tan	Third (3)	3F Hall	Door	Metal	Intact	0.2
439	Gray	Third (3)	3F Hall	Door	Wood	Intact	0
440	Gray	Third (3)	3F Hall	Door Frame	Metal	Intact	0
441	White	Third (3)	3F-121	Door Frame	Metal	Intact	0.5
442	Brick Red	Third (3)	3F Hall	Baseboard	Glazed Block	Intact	0.1
443	Brick Red	Third (3)	3F Hall	Baseboard	Glazed Block	Intact	0
444	Brick Red	Third (3)	3F Hall	Baseboard	Glazed Block	Intact	0.1
445	Peach	Third (3)	3F-138	Wall	Plaster	Intact	-0.1
446	Peach	Third (3)	3F-138	Wall	Plaster	Intact	0.1
447	Peach	Third (3)	3F-138	Wall	Plaster	Intact	-0.1
448	White	Third (3)	3F-138	Window Frame	Wood	Intact	0.2
449	Gray	Third (3)	3F-138	Window Sill	Marble	Intact	0.3
450	Peach	Third (3)	3F-138	Heater	Metal	Intact	0.2
451	White	Third (3)	3F-138	Hand Sink	Porcelain	Intact	-0.2

452	Off White	Third (3)	3F-139	Wall	4" Ceramic Tile	Intact	2.1
453	Brown	Third (3)	3F-139	Floor	2" Ceramic Tile	Intact	0.1
454	Tan	Third (3)	3F-139	Floor	2" Ceramic Tile	Intact	-0.1
455	Brown w. Specs	Third (3)	3F-139	Floor	2" Ceramic Tile	Intact	0
456	Tan w. Specs	Third (3)	3F-139	Floor	2" Ceramic Tile	Intact	0
457	Gray	Third (3)	3F-141	Wall	Plaster	Intact	0
458	Gray	Third (3)	3F-141	Wall	Plaster	Intact	0
459	Gray	Third (3)	3F-141	Wall	Plaster	Intact	-0.2
460	Beige/Tan w. Brown Specs	Third (3)	3F-141	Wall	4" Ceramic Tile	Intact	16.2
461	White	Third (3)	3F-141	Hand Sink	Porcelain	Intact	-0.5
462		Calibration					1
463		Calibration					1
464		Calibration					1.1
465	Beige	Third (3)	3F-142	Wall	Plaster	Intact	0.3
466	Beige/Tan w. Brown Specs	Third (3)	3F-142	Wall	4" Ceramic Tile	Intact	16.7
467	Beige	Third (3)	3F-127	Wall	Plaster	Intact	-0.1
468	White	Third (3)	3F-127	Window Frame	Wood	Intact	0.1
469	Gray	Third (3)	3F-127	Window Sill	Marble	Intact	0.2
470	Beige	Third (3)	3F-127	Heater	Metal	Intact	0.1
471	Painted Gray	Third (3)	3F-127	Wall	4" Ceramic Tile	Intact	19
472	Gray	Third (3)	3F-127	Wall	Plaster	Intact	-0.1
473	Off White	Third (3)	3F-126	Wall	4" Ceramic Tile	Intact	-0.1
474	Off White	Third (3)	3F-140	Wall	4" Ceramic Tile	Intact	2.5
475	Off White	Third (3)	3F-140	Wall	4" Ceramic Tile	Intact	2.1
476	Beige	Third (3)	3F-146	Wall	Plaster	Intact	0.2
477	Beige	Third (3)	3F-146	Wall	Plaster	Intact	0.1
478	Beige/Tan w. Brown Specs	Third (3)	3F-146	Wall	4" Ceramic Tile	Intact	18.6

479	White	Third (3)	3F-146	Hand Sink	Porcelain	Intact	-0.2
480	Beige	Third (3)	3D Hall	Wall	Plaster	Intact	0.2
481	Beige	Third (3)	3D Hall	Wall	Plaster	Intact	-0.1
482	Beige	Third (3)	3D Hall	Wall	Plaster	Intact	-0.1
483	Tan w. Spots	Third (3)	3D Hall	Wall	Glazed Block	Intact	0
484	Tan w. Spots	Third (3)	3D Hall	Wall	Glazed Block	Intact	-0.1
485	Tan w. Spots	Third (3)	3D Hall	Wall	Glazed Block	Intact	0
486	Brick Red	Third (3)	3D Hall	Baseboard	Glazed Block	Intact	0
487	Brick Red	Third (3)	3D Hall	Baseboard	Glazed Block	Intact	0.2
488	Brick Red	Third (3)	3D Hall	Baseboard	Glazed Block	Intact	0.1
489	Beige	Third (3)	3D Hall	Door	Metal	Intact	0.2
490	Beige	Third (3)	3D Hall	Door Frame	Metal	Intact	0.5
491	White	Third (3)	3D Hall	Door	Metal	Intact	0
492	Gray	Third (3)	3D Hall	Door	Wood	Intact	-0.1
493	Gray	Third (3)	3D Hall	Door	Metal	Intact	0
494	Beige	Third (3)	3D Hall	Seismic Beam	Metal	Intact	0.1
495	Gray	Third (3)	3D-060	Floor	9" Ceramic Tile	Intact	0.2
496	Beige	Third (3)	3D-060	Wall	Plaster	Intact	0.3
497	White	Third (3)	3D-060	Window Frame	Wood	Intact	-0.2
498	White	Third (3)	3D-060	Heater	Metal	Intact	0.3
499	White	Third (3)	3D-060	Hand Sink	Porcelain	Intact	-0.2
500	White	Third (3)	3D-060	Ceiling	Plaster	Intact	0.1
501	White	Third (3)	3D-060	Ceiling	Drywall	Intact	-0.1
502	White	Third (3)	3D-059	Wall	Drywall	Intact	-0.3
503	White	Third (3)	3D-059	Ceiling	Drywall	Intact	0.1
504	Beige	Third (3)	3D-065	Wall	Plaster	Intact	0
505	White	Third (3)	3D-065	Ceiling	Plaster	Intact	-0.1

506	White	Third (3)	3D-066	Ceiling	Plaster	Intact	0.3
507	Painted White	Third (3)	3D-066	Wall	4" Ceramic Tile	Intact	12.3
508	Peach	Third (3)	3D-066	Baseboard	Ceramic Block/Tile	Intact	14.8
509	White	Third (3)	3D-066	Heater	Metal	Intact	0.2
510	White	Third (3)	3D-066	Hand Sink	Porcelain	Intact	-0.4
511	Green	Third (3)	3D-066	Floor	2" Ceramic Tile	Intact	0.1
512	Lt. Green	Third (3)	3D-066	Floor	2" Ceramic Tile	Intact	0.1
513	Peach	Third (3)	3D-066	Floor	2" Ceramic Tile	Intact	0.1
514	Beige	Third (3)	3D-070	Wall	Plaster	Intact	0
515	Maroon	Third (3)	3D-070	Wall	Plaster	Intact	0
516	Painted Maroon	Third (3)	3D-070	Wall	4" Ceramic Tile	Intact	0.1
517	Painted Maroon	Third (3)	3D-070	Wall	6"x1" Ceramic Tile	Intact	0
518	Painted White	Third (3)	3D-070	Wall	4" Ceramic Tile	Intact	-0.3
519	Maroon	Third (3)	3D-070	Wall	Plaster	Intact	-0.6
520	Green/Teal	Third (3)	3D-071	Wall	Marble	Intact	0
521	Green/Teal	Third (3)	3D-071	Wall	Drywall	Intact	-0.2
522	Yellow/Green	Third (3)	3D-082	Wall	Drywall	Intact	-0.7
523	Green/Teal	Third (3)	3D-083	Wall	Marble	Intact	0
524	Green/Teal	Third (3)	3D-083	Wall	Drywall	Intact	-0.7
525	Green/Teal	Third (3)	3D-086	Wall	Marble	Intact	0.1
526	Green/Teal	Third (3)	3D-086	Wall	Drywall	Intact	0
527	Lime Green	Third (3)	3D-088	Wall	4" Ceramic Tile	Intact	12.7
528	Painted White	Third (3)	3D-088	Wall	4" Ceramic Tile	Intact	13.6
529	Gray	Third (3)	3D-088	Shower Wall	Granite?	Intact	0.1
530	White	Third (3)	3D-088	Window Frame	Wood	Intact	0.1
531	Gray	Third (3)	3D-088	Window Sill	Marble	Intact	0
532	Beige	Third (3)	3D-088	Heater	Metal	Intact	0.2

533	Brick Red	Third (3)	3D-091	Baseboard	Ceramic	Intact	0.1
534	Gray	Third (3)	3D-093	Wall	Plaster	Intact	0
535	Lime Green	Third (3)	3D-092	Wall	4" Ceramic Tile	Intact	16.7
536	Gray	Third (3)	3D-092	Floor	Concrete	Intact	0.1
537	Painted Beige	Third (3)	3D-094A	Wall	4" Ceramic Tile	Intact	11.9
538	Painted Beige	Third (3)	3D-094	Wall	4" Ceramic Tile	Intact	13.3
539	Gray	Third (3)	3D-094B	Wall	4" Ceramic Tile	Intact	13.3
540	Gray	Third (3)	3D-094B	Door Frame	Metal	Intact	0.1
541	White	Third (3)	3D-094	Ceiling	Plaster	Intact	-0.5
542	White	Third (3)	3A Hall	Wall	Drywall	Intact	0.1
543	White	Third (3)	3A Hall	Wall	Drywall	Intact	0.3
544	White	Third (3)	3A Hall	Wall	Drywall	Intact	0.2
545	White	Third (3)	3A Hall	Door Frame	Metal	Intact	0.3
546	Tan w. Spots	Third (3)	3A Hall	Wall	Glazed Block	Intact	0.1
547		Calibration					1
548		Calibration					1
549		Calibration					1
550	Tan w. Spots	Third (3)	3A Hall	Wall	Glazed Block	Intact	0.3
551	Tan w. Spots	Third (3)	3A Hall	Wall	Glazed Block	Intact	0
552	Tan	Third (3)	3A Hall	Wall	Glazed Block	Intact	0.3
553	Brick Red	Third (3)	3A Hall	Baseboard	Glazed Block	Intact	0
554	Brick Red	Third (3)	3A Hall	Baseboard	Glazed Block	Intact	0.1
555	Brick Red	Third (3)	3A Hall	Baseboard	Glazed Block	Intact	0.1
556	Beige	Third (3)	3A-100	Wall	Plaster	Intact	0.2
557	Aqua Blue	Third (3)	3A-100	Wall	4" Ceramic Tile	Intact	14.7
558	Aqua Blue	Third (3)	3A-100	Baseboard	6"x3" Ceramic	Intact	14.4
559	Blue	Third (3)	3A-100	Floor	2" Ceramic Tile	Intact	-0.1

560	Lt. Blue	Third (3)	3A-100	Floor	2" Ceramic Tile	Intact	0.1
561	Navy	Third (3)	3A-100	Floor	2" Ceramic Tile	Intact	-0.1
562	White	Third (3)	3A-100	Hand Sink	Porcelain	Intact	-0.4
563	White	Third (3)	3A-118	Wall	Drywall	Intact	0.6
564	Aqua Blue	Third (3)	3A-118	Wall	4" Ceramic Tile	Intact	1.6
565	White	Third (3)	3A-118	Window Sill	Wood	Intact	0
566	White	Third (3)	3A-118	Heater	Metal	Intact	0.4
567	Gray	Third (3)	3A-118	Floor	6" Ceramic Tile	Intact	0.1
568	Gray	Third (3)	3A-118	Door Frame	Metal	Intact	0.1
569	Aqua Blue	Third (3)	3A-119	Wall	4" Ceramic Tile	Intact	-0.1
570	Aqua Blue	Third (3)	3A-119	Wall	4" Ceramic Tile	Intact	0.1
571	White	Third (3)	3A-119	Wall	4" Ceramic Tile	Intact	-0.6
572	Gray	Third (3)	3A-119	Floor	6" Ceramic Tile	Intact	0.1
573	Gray	Third (3)	3A-119	Floor	6" Ceramic Tile	Intact	0.1
574	White	Third (3)	3A-119	Baseboard	6"x4" Ceramic Tile	Intact	0
575	Beige	Third (3)	3A-108	Wall	Plaster	Intact	0.1
576	Painted Beige	Third (3)	3A-108	Wall	4" Ceramic Tile	Intact	0
577	White	Third (3)	3A-108	Hand Sink	Porcelain	Intact	-0.3
578	White	Third (3)	3A-108	Window Frame	Wood	Intact	0.1
579	White	Third (3)	3A-108	Heater	Metal	Intact	0.1
580	Painted White	Third (3)	3A-106	Wall	4" Ceramic Tile	Intact	13.4
581	Green	Third (3)	3A-106	Floor	2" Pattern Ceramic	Intact	0.1
582	Light Green	Third (3)	3A-106	Floor	2" Pattern Ceramic	Intact	0.1
583	Gray	Third (3)	3A-106	Floor	2" Pattern Ceramic	Intact	-0.1
584	Beige	Third (3)	3A-104	Wall	Plaster	Intact	0.1
585	White	Third (3)	3A-107	Wall	Plaster	Intact	0.2
586	Aqua Blue	Third (3)	3A-107	Wall	4" Ceramic Tile	Intact	13.1

587	Blue	Third (3)	3A-107	Floor	2" Pattern Ceramic	Intact	-0.1
588	Light Blue	Third (3)	3A-107	Floor	2" Pattern Ceramic	Intact	0.1
589	Aqua Blue	Third (3)	3A-107	Baseboard	6"x4" Ceramic Tile	Intact	14.3
590	White	Third (3)	3A-151	Hand Sink	Porcelain	Intact	-0.3
591	Off White	Third (3)	3A-151	Wall	4" Ceramic Tile	Intact	2.1
592	White	Third (3)	3A-151	Sink	Porcelain	Intact	1.5
593	Gray	Third (3)	3A-151	Sink Stand	Concrete	Intact	0
594	Red	Third (3)	3A-151	Floor	2" Pattern Ceramic	Intact	0.1
595	Tan/Orange	Third (3)	3A-151	Floor	2" Pattern Ceramic	Intact	0.1
596	Tan	Third (3)	3A-152	Wall	Wall	Intact	0.1
597	White	Third (3)	3A-152	Slop Sink	Porcelain	Deteriorated	29.9
598	Brick Red	Third (3)	3A-152	Baseboard	Glazed Block	Intact	0.1
599	Red	Third (3)	3A-152	Floor	2" Ceramic Tile	Intact	0.1
600	Tan/Orange	Third (3)	3A-152	Floor	2" Ceramic Tile	Intact	0.2
601	Red	Third (3)	3A-152	Sprinkler Line	Metal	Intact	0.1
602	Beige	Third (3)	3A-155	Wall	Plaster	Intact	-0.1
603	Light Gray	Third (3)	3A-155	Wall	Plaster	Intact	-0.2
604	Gray	Third (3)	3A-155	Window Sill	Marble	Intact	0.3
605	Off White	Third (3)	3A-156	Wall	4" Ceramic Tile	Intact	-0.1
606	Gray	Third (3)	3A-156	Baseboard	6"x4" Ceramic Tile	Intact	-0.4
607	Brown	Third (3)	3A-156	Floor	2" Pattern Ceramic	Intact	0
608	Tan	Third (3)	3A-156	Floor	2" Pattern Ceramic	Intact	0
609	Brown w. Specs	Third (3)	3A-156	Floor	2" Pattern Ceramic	Intact	-0.2
610	Tan w. Specs	Third (3)	3A-156	Floor	2" Pattern Ceramic	Intact	0.3
611	White	Third (3)	3A-156	Window Frame	Wood	Intact	-0.1
612	Off White	Third (3)	3A-001	Wall	4" Ceramic Tile	Intact	0.1

613	Gray	Third (3)	3A-001	Baseboard	6"x4" Ceramic Tile	Intact	-0.6
614	White	Third (3)	3A-001	Hand Sink	Porcelain	Intact	0.2
615	Brown	Third (3)	3A-001	Floor	12" Ceramic Tile	Intact	0.1
616	Brown	Third (3)	3A-001	Floor	2" Pattern Ceramic	Intact	0.1
617	Tan	Third (3)	3A-001	Floor	2" Pattern Ceramic	Intact	-0.1
618	Brown w. Specs	Third (3)	3A-001	Floor	2" Pattern Ceramic	Intact	0.1
619	Tan w. Specs	Third (3)	3A-001	Floor	2" Pattern Ceramic	Intact	0
620	Light Blue	Third (3)	3A-054B	Wall	Plaster	Intact	0.1
621	Painted White	Third (3)	3A-054B	Wall	4" Ceramic Tile	Intact	10.1
622	Gray	Third (3)	3A-054B	Window Sill	Marble	Intact	0.3
623	White	Third (3)	3A-054B	Hand Sink	Porcelain	Intact	-0.4
624	Peach	Third (3)	3A-052 (3052)	Wall	4" Ceramic Tile	Intact	19.4
625	Peach	Third (3)	3A-052 (3052)	Baseboard	6"x4" Ceramic Tile	Intact	15.2
626	Beige	Third (3)	3A-052 (3052)	Wall	Plaster	Intact	0.5
627	Light Peach	Third (3)	3A-052 (3052)	Floor	2" Ceramic Tile	Intact	-0.1
628	Peach	Third (3)	3A-052 (3052)	Floor	2" Ceramic Tile	Intact	-0.3
629	Dark Peach	Third (3)	3A-052 (3052)	Floor	2" Ceramic Tile	Intact	-0.1
630	White	Third (3)	3A-052 (3052)	Hand Sink	Porcelain	Intact	-0.4
631	White	Third (3)	3A-052 (3052)	Ceiling	Plaster	Intact	-0.6
632	Gray	Third (3)	3A-051	Window Sill	Marble	Intact	0.1
633	White	Third (3)	3A-051	Window Frame	Wood	Intact	0.2
634	White	Third (3)	3A-051	Heater	Metal	Intact	0.2
635	Beige	Third (3)	3A-051	Wall	Plaster	Intact	0.2
636	Painted Beige	Third (3)	3A-051	Wall	4" Ceramic Tile	Intact	16.5
637	Tan	Third (3)	3A-050	Wall	Plaster	Intact	0.3
638	White	Third (3)	3A-047 (3047)	Wall	Plaster	Intact	0.4



639		Calibration					1
640		Calibration					1.1
641		Calibration					1
642	Peach	Third (3)	3A-047 (3047)	Wall	4" Ceramic Tiles	Intact	19.6
643	Peach	Third (3)	3A-047 (3047)	Baseboard	6"x4" Ceramic Tiles	Intact	18.1
644	Light Peach	Third (3)	3A-047 (3047)	Floor	2" Ceramic Tiles	Intact	0
645	Peach	Third (3)	3A-047 (3047)	Floor	2" Ceramic Tiles	Intact	-0.1
646	Dark Peach	Third (3)	3A-047 (3047)	Floor	2" Ceramic Tiles	Intact	0.1
647	White	Third (3)	3A-047 (3047)	Hand Sink	Porcelain	Intact	0
648	White w. Gold	Third (3)	3A-037	Wall	4" Ceramic Tiles	Intact	0.2
649	White w. Gold	Third (3)	3A-037A	Wall	4" Ceramic Tiles	Intact	0.2
650	White	Third (3)	3A-037A	Bathtub	Porcelain	Intact	43
651	Aqua Blue	Third (3)	3A-035	Wall	4" Ceramic Tiles	Intact	-0.4
652	White	Third (3)	3A-035	Wall	4" Ceramic Tiles	Intact	0.3
653	Gray	Third (3)	3A-035	Floor	6" Ceramic Tiles	Intact	0
654	Gray	Third (3)	3A-035	Floor	6" Ceramic Tiles	Intact	0.1
655	Aqua Blue	Third (3)	3A-036	Wall	4" Ceramic Tiles	Intact	0
656	Aqua Blue	Third (3)	3A-036	Wall	4" Ceramic Tiles	Intact	-0.2
657	Gray	Third (3)	3A-036	Floor	6" Ceramic Tiles	Intact	0
658	Tan	Third (3)	3A-005	Wall	Glazed Block	Intact	0.1
659	Brick Red	Third (3)	3A-005	Baseboard	Glazed Block	Intact	0.1
660	Beige	Third (3)	3A-005	Heater	Metal	Intact	0.3
661	White	Third (3)	3A-005	Sink	Porcelain	Deteriorated	35
662	Red	Third (3)	3A-005	Floor	2" Ceramic Tiles	Intact	0.1
663	Tan/Orange	Third (3)	3A-005	Floor	2" Ceramic Tiles	Intact	0.2
664	Off White	Third (3)	3A-008	Wall	4" Ceramic Tiles	Intact	2.8
665	White	Third (3)	3A-008	Sink	Porcelain	Intact	-0.1

666	White	Third (3)	3A-008	Sink	Porcelain	Intact	-0.1
667	Gray	Third (3)	3A-008	Sink Stand	Concrete	Intact	-0.1
668	White	Third (3)	3A-008	Door Frame	Metal	Deteriorated	0.7
669	White	Third (3)	3A-008	Door Frame	Metal	Intact	0.4
670	White	Second (2)	2C Hall	Wall	Plaster	Intact	0.1
671	White	Second (2)	2C Hall	Wall	Plaster	Intact	0
672	White	Second (2)	2C Hall	Wall	Plaster	Intact	0.2
673	Tan w. Spots	Second (2)	2C Hall	Wall	Glazed Block	Intact	0.1
674	Tan w. Spots	Second (2)	2C Hall	Wall	Glazed Block	Intact	0
675	Tan w. Spots	Second (2)	2C Hall	Wall	Glazed Block	Intact	0
676	White	Second (2)	2C Hall	Wall	Drywall	Intact	0.2
677	White	Second (2)	2C Hall	Wall	Drywall	Intact	-0.2
678	White	Second (2)	2C Hall	Wall	Drywall	Intact	0.1
679	Tan	Second (2)	2C Hall	Door Frame	Metal	Intact	0.5
680	Tan	Second (2)	2C Hall	Door	Metal	Intact	0.1
681	White	Second (2)	2C Hall	Seismic Beam	Metal	Intact	-0.2
682	Gray	Second (2)	2C Hall	Door	Metal	Intact	-0.1
683	Gray	Second (2)	2C Hall	Door Frame	Metal	Intact	0
684	Gray	Second (2)	2C Hall	Stair Rail	Steel	Intact	1.3
685	White	Second (2)	2C-041	Wall	Plaster	Intact	0
686	Painted White	Second (2)	2C-041	Wall	4" Ceramic Tiles	Intact	14.8
687	White	Second (2)	2C-041	Window Frame	Wood	Intact	-0.1
688	Gray	Second (2)	2C-041	Window Sill	Marble	Intact	0.3
689	White	Second (2)	2C-041	Heater	Metal	Intact	0.2
690	White	Second (2)	2C-044	Wall	Plaster	Intact	-0.6
691	Brown	Second (2)	2C-044	Floor	1" Ceramic Tile	Intact	0.2
692	Tan	Second (2)	2C-044	Floor	1" Ceramic Tile	Intact	-0.1

693	Aqua Blue	Second (2)	2C-051	Wall	Plaster	Intact	0.2
694	Beige w. Brown Specs	Second (2)	2C-045	Wall	4" Ceramic Tiles	Intact	2.2
695	White	Second (2)	2C-046	Wall	Plaster	Intact	0
696	Brick Red	Second (2)	2C Hall	Baseboard	Glazed Block	Intact	-0.1
697	Brick Red	Second (2)	2C-046	Baseboard	Glazed Block	Intact	0
698	Brick Red	Second (2)	2C-046	Baseboard	Glazed Block	Intact	-0.2
699	Beige w. Brown Specs	Second (2)	2C-043	Wall	4" Ceramic Tiles	Intact	0.3
700	Brown	Second (2)	2C-043	Floor	1" Ceramic Tile	Intact	0.1
701	Tan	Second (2)	2C-043	Floor	1" Ceramic Tile	Intact	0
702	Beige w. Brown Specs	Second (2)	2C-043	Wall	4" Ceramic Tiles	Intact	0.3
703	Green	Second (2)	2C-045	Wall	Plaster	Intact	0
704	Painted White	Second (2)	2C-054	Wall	4" Ceramic Tiles	Intact	-0.6
705	Beige	Second (2)	2B Hall	Wall	Plaster	Intact	0
706	Beige	Second (2)	2B Hall	Wall	Plaster	Intact	0.1
707	Beige	Second (2)	2B Hall	Wall	Plaster	Intact	0.1
708	Tan w. Spots	Second (2)	2B Hall	Wall	Glazed Block	Intact	0.1
709	Tan w. Micro Specs	Second (2)	2B Hall	Wall	Glazed Block	Intact	1.3
710		Calibration					1
711		Calibration					1
712		Calibration					1
713	Tan w. Spots	Second (2)	2B Hall	Wall	Glazed Block	Intact	0
714	Tan w. Spots	Second (2)	2B Hall	Wall	Glazed Block	Intact	-0.1
715	Tan w. Micro Specs	Second (2)	2B Hall	Wall	Glazed Block	Intact	1.5
716	Brick Red	Second (2)	2B Hall	Baseboard	Glazed Block	Intact	0.1
717	Brick Red	Second (2)	2B Hall	Baseboard	Glazed Block	Intact	0
718	Brick Red	Second (2)	2B Hall	Baseboard	Glazed Block	Intact	0.1
719	Tan	Second (2)	2B Hall	Door	Metal	Intact	0

720	Tan	Second (2)	2B Hall	Door Frame	Metal	Intact	0.5
721	Beige	Second (2)	2B Hall	Seismic Beam	Metal	Intact	0
722	Silver	Second (2)	2B Hall	Transition Strip	Metal	Intact	0.4
723	Silver	Second (2)	2B Hall	Transition Strip	Metal	Intact	0.2
724	Silver	Second (2)	2B Hall	Transition Strip	Metal	Intact	0.4
725	Beige	Second (2)	2B-012	Wall	Plaster	Intact	-0.2
726	White	Second (2)	2B-012	Wall	4" Ceramic Tiles	Intact	0.1
727	White	Second (2)	2B-012	Hand Sink	Porcelain	Intact	-0.2
728	White	Second (2)	2B-011	Wall	4" Ceramic Tiles	Intact	-0.3
729	Beige	Second (2)	2B-011	Wall	Drywall	Intact	0.2
730	White	Second (2)	2B-011	Hand Sink	Porcelain	Intact	-0.2
731	Blue/Green	Second (2)	2B-013	Wall	Drywall	Intact	-0.2
732	White	Second (2)	2B-025	Wall	Drywall	Intact	0.7
733	White	Second (2)	2B-025	Wall	Drywall	Intact	0.3
734	Tan	Second (2)	2B-025	Wall	4" Ceramic Tiles	Intact	-0.4
735	White	Second (2)	2B-025	Window Frame	Marble	Intact	-0.2
736	White	Second (2)	2B-025	Window Sill	Wood	Intact	0
737	White	Second (2)	2B-025	Heater	Metal	Intact	0.3
738	Brown	Second (2)	2B-025	Floor	12" Ceramic Tiles	Intact	0.1
739	Beige	Second (2)	2B-027	Wall	Drywall	Intact	0.4
740	Beige	Second (2)	2B-027	Wall	Drywall	Intact	0.7
741	Green	Second (2)	2B-126	Wall	Plaster	Intact	1.3
742	Beige	Second (2)	2B-126	Wall	Plaster	Intact	0.1
743	Beige	Second (2)	2B-126	Wall	Plaster	Intact	1.1
744	Beige	Second (2)	2B-126	Half Wall	Plaster	Intact	8.3
745	Beige	Second (2)	2B-030	Wall	Plaster	Intact	1
746		Calibration					1

747		Calibration					1
748		Calibration					1
749	Tan	Second (2)	2B-031	Wall	4" Ceramic Tiles	Intact	-0.3
750	Beige	Second (2)	2B-031	Wall	Drywall	Intact	-0.3
751	White	Second (2)	2B-031	Ceiling	Drywall	Intact	0.1
752	White	Second (2)	2B-031	Ceiling	Drywall	Intact	0.2
753	Wallpaper	Second (2)	2F Hall	Wall	Drywall	Intact	-0.2
754	Wallpaper	Second (2)	2F Hall	Wall	Drywall	Intact	-0.2
755		Calibration					1
756		Calibration					1
757		Calibration					1
758	Wallpaper	Second (2)	2F Hall	Wall	Drywall	Intact	-0.2
759	Tan	Second (2)	2F Hall	Door	Metal	Intact	0.1
760	Tan	Second (2)	2F Hall	Door Frame	Metal	Intact	0.5
761	White	Second (2)	2F Hall (2F124)	Door Frame	Metal	Intact	1.1
762	White	Second (2)	2F Hall (2F117)	Door Frame	Metal	Intact	1.5
763	White	Second (2)	2F Hall (2F126)	Door Frame	Metal	Intact	1.4
764	Finish	Second (2)	2F Hall	Door	Wood	Intact	0.1
765	White	Second (2)	2F Hall	Seismic Beam	Metal	Intact	0.1
766	White	Second (2)	2F-115	Wall	Drywall	Intact	-0.2
767	Tan	Second (2)	2F-115	Wall	4" Ceramic Tiles	Intact	-0.6
768	White	Second (2)	2F-115	Hand Sink	Porcelain	Intact	-0.3
769	White	Second (2)	2F-115	Ceiling	Drywall	Intact	-0.1
770	White	Second (2)	2F-115	Lockers	Metal	Intact	0
771		Calibration					1
772		Calibration					1
773		Calibration					1

774	Beige	Second (2)	2F-117	Wall	Plaster	Intact	0.1
775	Green/White	Second (2)	2F-117	Wall/Window Sill	Marble	Intact	0.1
776	Green/Black	Second (2)	2F-117	Floor/Baseboard	Marble	Intact	0.3
777	White	Second (2)	2F-117	Window Frame	Wood	Intact	-0.2
778	Light Green	Second (2)	2F-118	Wall	Plaster	Intact	0
779	Gray	Second (2)	2F-118	Window Sill	Marble	Intact	0.2
780	White	Second (2)	2F-118	Hand Sink	Porcelain	Intact	-0.4
781	Beige	Second (2)	2F-124	Wall	Plaster	Intact	0.4
782	Brown	Second (2)	2F-124	Wall	Plaster	Intact	0.1
783	Orange	Second (2)	2F-124	Wall	Drywall	Intact	0
784	Beige	Second (2)	2F-121	Wall	Plaster	Intact	0.2
785	White	Second (2)	2F-121	Heater	Metal	Intact	0.3
786	White	Second (2)	2F-121	Window Frame	Wood	Intact	0
787	Gray	Second (2)	2F-121	Window Sill	Marble	Intact	0.1
788	Brown	Second (2)	2F-121	Wall	Plaster	Intact	-0.1
789	Wallpaper	Second (2)	2E Hall	Wall	Drywall	Intact	0.1
790	Blue	Second (2)	2E Hall	Wall	Drywall	Intact	-0.2
791	Beige	Second (2)	2E Hall	Wall	Drywall	Intact	-0.2
792	Blue	Second (2)	2E Hall	Door Frame	Metal	Intact	-0.1
793	Beige	Second (2)	2E Hall	Door Frame	Metal	Intact	0
794	Tan	Second (2)	2E Hall	Door Frame	Metal	Intact	0.4
795		Calibration					1
796		Calibration					1
797		Calibration					1
798	Tan	Second (2)	2E Hall	Door	Metal	Intact	0.1
799	Beige	Second (2)	2E Hall	Door Frame	Metal	Intact	0.5
800	Beige	Second (2)	2E-097B	Wall	Plaster	Intact	0.1

801	White	Second (2)	2E-097B	Window Frame	Wood	Intact	-0.1
802	Gray	Second (2)	2E-097B	Window Sill	Marble	Intact	0.1
803	Beige	Second (2)	2E-097B	Wall	Drywall	Intact	0.1
804	Beige	Second (2)	2E-097A	Wall	Drywall	Intact	0
805	Beige	Second (2)	2E-097A	Wall	Plaster	Intact	0.1
806	Beige	Second (2)	2E-097A	Heater	Metal	Intact	0.6
807	Beige	Second (2)	2E-098B	Wall	Drywall	Intact	0
808	Brown	Second (2)	2E-098B	Wall	Drywall	Intact	0
809	Beige	Second (2)	2E-097A	Wall	Plaster	Intact	-0.1
810	Wallpaper	Second (2)	2D Hall	Wall	Drywall	Intact	-0.1
811	Wallpaper	Second (2)	2D Hall	Wall	Drywall	Intact	-0.1
812	Wallpaper	Second (2)	2D Hall	Wall	Drywall	Intact	0
813	Wallpaper	Second (2)	2D Hall	Wall	Plaster	Intact	-0.1
814	Wallpaper	Second (2)	2D Hall	Wall	Plaster	Intact	0.2
815	Wallpaper	Second (2)	2D Hall	Wall	Plaster	Intact	0.1
816	White	Second (2)	2D Hall	Window Frame	Wood	Intact	0.2
817	White	Second (2)	2D Hall	Window Sill	Marble	Intact	0.1
818	White	Second (2)	2D Hall	Heater	Metal	Intact	0.2
819	Tan	Second (2)	2D Hall	Door	Metal	Intact	0
820	Tan	Second (2)	2D Hall	Door Frame	Metal	Intact	0.5
821	White	Second (2)	2D Hall	Door Frame	Metal	Intact	0.2
822	White	Second (2)	2D Hall	Door	Metal	Intact	0
823	White	Second (2)	2D Hall	Door Frame	Metal	Intact	0
824	White	Second (2)	2D Hall	Seismic Beam	Metal	Intact	0
825	Beige	Second (2)	2D-077	Wall	Plaster	Intact	-0.1
826	Beige w. Brown Spots	Second (2)	2D-077	Wall	4" Ceramic Tiles	Intact	10.4
827	Tan	Second (2)	2D-077C	Wall	Glazed Block	Intact	-0.1

828	Beige	Second (2)	2D-077B	Wall	Plaster	Intact	0
829	Beige	Second (2)	2D-077B	Locker	Metal	Intact	0
830	Beige	Second (2)	2D-077B	Door Frame	Metal	Intact	0.5
831	Dark Beige	Second (2)	2D-074	Wall	Plaster	Intact	0
832	Gray w. Spots	Second (2)	2D-074	Wall	Glazed Block	Intact	-0.1
833	Gray w. Spots	Second (2)	2D-074	Wall	Glazed Block	Intact	0
834	Gray w. Spots	Second (2)	2D-074	Wall	Glazed Block	Intact	-0.1
835	Brick Red	Second (2)	2D-074	Baseboard	Glazed Block	Intact	0
836	Brick Red	Second (2)	2D-074	Baseboard	Glazed Block	Intact	0
837	Brick Red	Second (2)	2D Hall	Baseboard	Glazed Block	Intact	0.1
838	White	Second (2)	2D-074	Window Frame	Wood	Intact	0.3
839	White	Second (2)	2D-074	Heater	Metal	Intact	0.2
840	Beige	Second (2)	2D-075	Wall	Plaster	Intact	0.1
841	Beige	Second (2)	2D-070	Wall	Plaster	Intact	-0.3
842	Beige	Second (2)	2D-070	Wall	Drywall	Intact	0.1
843	Painted Beige	Second (2)	2D-070	Wall	Glazed Block	Intact	0
844	Painted White	Second (2)	2D-071	Wall	Glazed Block	Intact	0
845	Painted White	Second (2)	2D-071	Wall	4" Ceramic Tiles	Intact	-0.2
846	Painted White	Second (2)	2D-071	Wall	4" Ceramic Tiles	Intact	-0.4
847	Gray Epoxy	Second (2)	2D-071	Floor	2" Ceramic Tiles	Intact	0.1
848	White	Second (2)	2D-071	Door	Metal	Intact	0.1
849	White	Second (2)	2D-071	Door	Wood	Intact	0
850	Gray Epoxy	Second (2)	2D-071	Baseboard	6"x4"	Intact	-0.4
851	White	Second (2)	2D-071	Sink	Porcelain	Intact	-0.2
852	Beige	Second (2)	2D-078B	Door Frame	Metal	Intact	0.1
853	Wood	Second (2)	2D Hall	Window Frame	Wood	Intact	-0.2
854	Wallpaper	Second (2)	2D Hall	Wall	Drywall	Intact	-0.1



855	Wallpaper	Second (2)	2D Hall	Wall	Drywall	Intact	-0.2
856	Wallpaper	Second (2)	2D Hall	Wall	Drywall	Intact	-0.3
857	White	Second (2)	2A-087	Door Frame	Metal	Intact	1.4
858	Beige	Second (2)	2A-088	Door Frame	Metal	Intact	1.2
859	White	Second (2)	2A-088	Seismic Beam	Metal	Intact	0
860	Beige	Second (2)	2A-088	Door Frame	Metal	Intact	-0.1
861	Beige	Second (2)	2A-088	Wall	Plaster	Intact	0.1
862	Beige	Second (2)	2A-088	Door	Metal	Intact	0
863	White	Second (2)	2A-088	Door Frame	Metal	Intact	0.5
864	White	Second (2)	2A-088	Door Frame	Metal	Intact	0.5
865	Beige	Second (2)	2A-088	Door Frame	Metal	Intact	0.2
866	Blue	Second (2)	2A-037B	Wall	Drywall	Intact	0
867	Beige	Second (2)	2A-037B	Wall	Drywall	Intact	-0.1
868	Beige	Second (2)	2A-037B	Wall	Plaster	Intact	-0.3
869	Tan w. Spots	Second (2)	2A-037B	Wall	Glazed Block	Intact	0.2
870	Orange	Second (2)	2A-037B	Emergency Shower	Metal	Intact	0.1
871	White	Second (2)	2A-009	Wall	4" Ceramic Tiles	Intact	0.1
872	White	Second (2)	2A-009	Wall	Drywall	Intact	0.1
873	White	Second (2)	2A-009	Hand Sink	Glazed Block	Intact	-0.3
874	White	Second (2)	2A-065	Wall	Drywall	Intact	0.3
875	Brick Red	Second (2)	2A-065	Baseboard	Glazed Block	Intact	0
876	Off White	Second (2)	2A-081	Wall	4" Ceramic Tiles	Intact	0.1
877	White	Second (2)	2A-081	Window Frame	Wood	Intact	-0.2
878	White	Second (2)	2A-081	Heater	Metal	Intact	0.2
879	White	Second (2)	2A-081	Hand Sink	Porcelain	Intact	-0.4
880	Gray	Second (2)	2A-081	Baseboard	4" Ceramic Tiles	Intact	-0.2
881	Brown	Second (2)	2A-081	Floor	2" Ceramic Tiles	Intact	-0.1

882	Tan	Second (2)	2A-081	Floor	2" Ceramic Tiles	Intact	0
883	Brown w. Spots	Second (2)	2A-081	Floor	2" Ceramic Tiles	Intact	0
884	Tan w. Spots	Second (2)	2A-081	Floor	2" Ceramic Tiles	Intact	0.1
885	Off White	Second (2)	2A-081	Wall	4" Ceramic Tiles	Intact	0.1
886	Off White	Second (2)	2A-083	Wall	4" Ceramic Tiles	Intact	1.9
887	Brown	Second (2)	2A-083	Floor	2" Ceramic Tiles	Intact	-0.1
888	Tan	Second (2)	2A-083	Floor	2" Ceramic Tiles	Intact	0
889	Brown w. Spots	Second (2)	2A-083	Floor	2" Ceramic Tiles	Intact	0.2
890	Tan w. Spots	Second (2)	2A-083	Floor	2" Ceramic Tiles	Intact	0.1
891	Brown	Second (2)	2A-083	Floor	12" Ceramic Tiles	Intact	0.1
892	Gray	Second (2)	2A-083	Baseboard	4" Ceramic Tiles	Intact	-0.1
893	White	Second (2)	2A-083	Hand Sink	Porcelain	Intact	-0.4
894	Beige	Second (2)	2A-132	Wall	Plaster	Intact	-0.2
895	White	Second (2)	2A-132	Window Frame	Wood	Intact	0.2
896	Gray	Second (2)	2A-132	Window Sill	Marble	Intact	0.3
897	Gray	Second (2)	2A-132	Heater	Metal	Intact	0.2
898	Beige	Second (2)	2A-131	wall	Plaster	Intact	0
899	White	Second (2)	2A-131	Hand Sink	Porcelain	Intact	0
900	Beige	Second (2)	2A-008	Wall	Plaster	Intact	0.3
901	Beige	Second (2)	2B-010	Wall	Plaster	Intact	0.2
902	Teal	Second (2)	2A-005	Wall	Plaster	Intact	4.5
903	Beige	Second (2)	2A-005	Wall	Drywall	Intact	0
904	Rose	Second (2)	2A-090	Wall	4" Ceramic Tiles	Intact	12.8
905	White	Second (2)	2A-090	Bathtub	Porcelain	Intact	44
906	White	Second (2)	2A-090	Hand Sink	Porcelain	Intact	-0.4
907	Peach	Second (2)	2A-090	Floor	2" Ceramic Tiles	Intact	0.1
908	Light Peach	Second (2)	2A-090	Floor	2" Ceramic Tiles	Intact	0.2

909	Teal	Second (2)	2A-090	Floor	2" Ceramic Tiles	Intact	0
910	Dark Rose	Second (2)	2A-090	Baseboard	6"x4" Ceramic Tiles	Intact	12.4
911	White	Second (2)	2A-090	Ceiling	Plaster	Intact	0
912	Beige	Second (2)	2A-088	Wall	Plaster	Intact	0.2
913	White	Second (2)	2A-089	Wall	Plaster	Intact	0.6
914	Beige	Second (2)	2A-089	Wall	4" Ceramic Tiles	Intact	-0.2
915	White	Second (2)	2A-089	Floor	12" Ceramic Tiles	Intact	0
916	Tan	Second (2)	2A-094	Window Frame	Wood	Intact	-0.1
917	Tan	Second (2)	2A-094	Window Sill	Marble	Intact	0.2
918	White	Two (2)	2A-094	Heater	Metal	Intact	0.3
919	Gray	Two (2)	2A-094	Ceiling	Plaster	Intact	0
920	White	First (1)	1C-060	Wall	Plaster	Intact	0.1
921	Beige	First (1)	1C-060	Wall	Plaster	Intact	1.2
922	White	First (1)	1C-060	Wall	Clay Block	Intact	-0.2
923	White	First (1)	1B Hall	Wall	Drywall	Intact	0.2
924	Red	First (1)	1B Hall	Wall	Drywall	Intact	0.1
925	Wallpaper	First (1)	1B Hall	Wall	Drywall	Intact	0.1
926	Wallpaper	First (1)	1B Hall	Door	Metal	Intact	0.2
927	Wallpaper	First (1)	1B Hall	Door Frame	Metal	Intact	0.5
928	Tan	First (1)	1B Hall	Door Frame	Metal	Intact	0.4
929	Tan	First (1)	1B Hall	Door Frame	Metal	Intact	-0.3
930	Beige	First (1)	1B Hall	Wall	4" Ceramic Tiles	Intact	-0.3
931	White	First (1)	1B Hall	Seismic Beam	Metal	Intact	0
932	Beige w. Brown Specs	First (1)	1B-020	Wall	4" Ceramic Tiles	Intact	20.3
933	Rose	First (1)	1B-020	Wall	Plaster	Intact	-0.2
934	Dark Beige	First (1)	1B-018	Wall	Plaster	Intact	0.1
935		Calibration					1

936		Calibration					1
937		Calibration					1
938	Beige	First (1)	1B-018	Wall	Plaster	Intact	-0.1
939	Beige w. Brown Spots	First (1)	1B-018	Wall	4" Ceramic Tiles	Intact	-0.1
940	White	First (1)	1B-018	Window Frame	Wood	Intact	-0.1
941	Gray	First (1)	1B-018	Window Sill	Marble	Intact	0.3
942	Beige	First (1)	1B-018	Heater	Metal	Intact	0.3
943	White	First (1)	1B-018	Hand Sink	Porcelain	Intact	-0.3
944		Void					0
945		Calibration					1
946		Calibration					0.9
947		Calibration					1
948	Rose	Second (2)	2A-085	Wall	4" Ceramic Tiles	Intact	12.9
949	White	Second (2)	2A-085	Wall	Plaster	Intact	0.3
950	White	Second (2)	2A-085	Ceiling	Plaster	Intact	-0.1
951	Peach	Second (2)	2A-085	Floor	2" Ceramic Tiles	Intact	0.2
952	Light Peach	Second (2)	2A-085	Floor	2" Ceramic Tiles	Intact	0.1
953	Green	Second (2)	2A-085	Floor	2" Ceramic Tiles	Intact	0
954	White	Second (2)	2A-085	Bathtub	Porcelain	Intact	44
955	White	Second (2)	2A-085	Hand Sink	Porcelain	Intact	-0.3
956	Beige w. Brown Specs	First (1)	1B-027A	Wall	4" Ceramic Tiles	Intact	18.5
957	Gray	First (1)	1B-027A	Wall	Wall Panel	Intact	-0.2
958	Beige w. Brown Specs	First (1)	1B-027	Wall	4" Ceramic Tiles	Intact	15
959	Dark Beige	First (1)	1B-027	Wall	Plaster	Intact	-0.1
960	Hunter Green	First (1)	1B-027	Wall	Drywall	Intact	0
961	Beige	First (1)	1B-028	Wall	Drywall	Intact	0.1
962	Beige	First (1)	1B-028	Heater	Metal	Intact	0.5

963	White	First (1)	1B-028	Wall	Plaster	Intact	0.3
964	Beige	First (1)	1B-028	Heater	Metal	Intact	0.4
965	Beige	First (1)	1B-025A	Wall	Drywall	Intact	0
966	Hunter Green	First (1)	1B-025A	Wall	Drywall	Intact	-0.1
967	Beige	First (1)	1B-025A	Window Frame	Wood	Intact	0
968	White	First (1)	1B-025A	Hand Sink	Porcelain	Intact	-0.3
969	Beige w. Brown Specs	First (1)	1B-021	Wall	4" Ceramic Tiles	Intact	18.3
970	White	First (1)	1B-021	Wall	Plaster	Intact	-0.1
971	White	First (1)	1B-021	Wall	Drywall	Intact	-0.1
972	White	First (1)	1B-021	Window Frame	Wood	Intact	0.1
973	White	First (1)	1B-021	Window Sill	Marble	Intact	0.2
974	White	First (1)	1B-021	Heater	Metal	Intact	0.1
975	White	First (1)	1B-018	Ceiling	Plaster	Intact	-0.2
976	Beige w. Brown Specs	First (1)	1B-017	Wall	4" Ceramic Tiles	Intact	9.6
977	Beige	First (1)	1B-017	Wall	Plaster	Intact	0
978	Beige	First (1)	1B-017	Wall	Drywall	Intact	0.2
979	White	First (1)	1B-017	Ceiling	Drywall	Intact	-0.1
980		Calibration					1
981		Calibration					1
982		Calibration					1
983	Dark Brown	First (1)	1B-015	Wall	Plaster	Intact	0.1
984	Beige	First (1)	1B-015	Wall	Drywall	Intact	0.1
985	White	First (1)	1B-015	Ceiling	Drywall	Intact	-0.3
986	White	First (1)	1B-012	Hand Sink	Porcelain	Intact	-0.1
987	Off White/Beige	First (1)	1B-011	Wall	4" Ceramic Tiles	Intact	2.6
988	Tan	First (1)	1B-011	Floor	2" Ceramic Tiles	Intact	0
989	Brown	First (1)	1B-011	Floor	2" Ceramic Tiles	Intact	0.1

990	Tan Specs	First (1)	1B-011	Floor	2" Ceramic Tiles	Intact	0
991	Brown Specs	First (1)	1B-011	Floor	2" Ceramic Tiles	Intact	0.3
992	Brown	First (1)	1B-011	Floor	12" Ceramic Tiles	Intact	0.2
993	White	First (1)	1B-011	Wall	Plaster	Intact	0.3
994	Off White/Beige	First (1)	1B-010	Wall	4" Ceramic Tiles	Intact	2.5
995	Tan	First (1)	1B-010	Floor	2" Ceramic Tiles	Intact	0.1
996	Brown	First (1)	1B-010	Floor	2" Ceramic Tiles	Intact	-0.1
997	Tan Specs	First (1)	1B-010	Floor	2" Ceramic Tiles	Intact	0
998	Brown Specs	First (1)	1B-010	Floor	2" Ceramic Tiles	Intact	0.1
999	Brown	First (1)	1B-010	Floor	12" Ceramic Tiles	Intact	0.1
1000	White	First (1)	1B-010	Wall	Plaster	Intact	0.2
1001	White	First (1)	1F Hall	Wall	Plaster	Intact	0.1
1002	Wallpaper	First (1)	1F Hall	Wall	Drywall	Intact	0.2
1003	Wallpaper	First (1)	1F Hall	Wall	Drywall	Intact	0
1004	Wallpaper	First (1)	1F Hall	Wall	Drywall	Intact	0.1
1005	Beige	First (1)	1F Hall	Wall	Drywall	Intact	-0.5
1006	Beige	First (1)	1F Hall	Wall	Drywall	Intact	0.1
1007	Beige	First (1)	1F Hall	Wall	Drywall	Intact	0.3
1008	Beige	First (1)	1F Hall	Door Frame	Metal	Intact	0.2
1009	Tan	First (1)	1F Hall	Door Frame	Metal	Intact	0.5
1010	Tan	First (1)	1F Hall	Door Frame	Metal	Intact	0.1
1011	White	First (1)	1F Hall	Seismic Beam	Metal	Intact	0
1012	Green	First (1)	1F Hall	Wall	Plaster	Intact	0.1
1013	White	First (1)	1F-158	Wall	Drywall	Intact	0
1014	White	First (1)	1F-158	Wall	4" Ceramic Tiles	Intact	0.1
1015	Green	First (1)	1F-158	Lockers	Metal	Intact	-0.1
1016	White	First (1)	1F-158	Heater	Metal	Intact	0.2

1017	White	First (1)	1F-158	Window Frame	Wood	Intact	0
1018	White	First (1)	1F-158	Window Sill	Drywall	Intact	0.7
1019	White	First (1)	1F-158	Wall	Drywall	Intact	1
1020	White	First (1)	1F-158	Wall	Drywall	Intact	0.8
1021	Beige	First (1)	1F-163	Wall	Plaster	Intact	-0.1
1022	Light Blue	First (1)	1F-163	Wall	4" Ceramic Tiles	Intact	-0.2
1023	White	First (1)	1F-163	Wall	4" Ceramic Tiles	Intact	0
1024	White	First (1)	1F-163	Window Frame	Wood	Intact	-0.1
1025	Gray	First (1)	1F-163	Window Sill	Marble	Intact	0.2
1026	White	First (1)	1F-163	Heater	Metal	Intact	0.4
1027	Blue	First (1)	1F-163	Floor	2" Ceramic Tiles	Intact	0.2
1028	White	First (1)	1F-163	Floor	2" Ceramic Tiles	Intact	0
1029	Light Blue	First (1)	1F-163	Floor	2" Ceramic Tiles	Intact	0
1030	White	First (1)	1F-163	Hand Sink	Porcelain	Intact	-0.2
1031	Gray	First (1)	1F-163	Wall	Plaster	Intact	0.2
1032	Beige	First (1)	1F-156	Wall	Drywall	Intact	0.1
1033	Beige	First (1)	1F-156	Wall	Plaster	Intact	0.2
1034	White	First (1)	1F-156	Wall	4" Ceramic Tiles	Intact	-0.6
1035	White	First (1)	1F-156	Hand Sink	Porcelain	Intact	-0.4
1036	Green	First (1)	1F-156	Wall	Plaster	Intact	0.1
1037	Beige	First (1)	1F-152	Wall	Plaster	Intact	-0.2
1038	Beige	First (1)	1F-152	Heater	Metal	Intact	0.2
1039	White	First (1)	1F-149	Wall	Drywall	Intact	-0.1
1040	White	First (1)	1F-149	Wall	Plaster	Intact	0.2
1041	Tan	First (1)	1F-149	Wall	4" Ceramic Tiles	Intact	-0.6
1042	Brown	First (1)	1F-149	Floor	12" Ceramic Tiles	Intact	-0.1
1043	White	First (1)	1F-168	Wall	4" Ceramic Tiles	Intact	-0.4

1044	Tan	First (1)	1F-169	Wall	4" Ceramic Tiles	Intact	0
1045	Beige	First (1)	1E-110	Wall	Plaster	Intact	0.2
1046	Wallpaper	First (1)	1E-110	Wall	Drywall	Intact	0.1
1047	White	First (1)	1E-110	Window Frame	Wood	Intact	0.1
1048	Gray	First (1)	1E-110	Window Sill	Marble	Intact	0.2
1049	White	First (1)	1E-110	Heater	Metal	Intact	0.4
1050	White	First (1)	1E-110	Door Frame	Metal	Intact	0
1051	White	First (1)	1E Hall	Wall	Drywall	Intact	-0.2
1052	White	First (1)	1E Hall	Wall	Plaster	Intact	0.2
1053	White	First (1)	1E Hall	Seismic Beam	Metal	Intact	0.1
1054	Beige	First (1)	1E Hall	Door Frame	Metal	Intact	0.7
1055	Beige	First (1)	1E Hall	Door Frame	Metal	Intact	0.3
1056	White	First (1)	1E Hall	Wall	Drywall	Intact	0.2
1057	White	First (1)	1E Hall	Wall	Drywall	Intact	-0.5
1058	White	First (1)	1E Hall	Wall	Plaster	Intact	0
1059	White	First (1)	1E Hall	Wall	Plaster	Intact	-0.1
1060	Beige	First (1)	1E Hall	Stair Rail	Metal	Intact	1.7
1061	White	First (1)	1E Hall	Door Frame	Metal	Intact	0.6
1062	Tan	First (1)	1E Hall	Door	Metal	Intact	0
1063	White	First (1)	1E-129	Wall	Plaster	Intact	-0.2
1064	White	First (1)	1E-129	Window Frame	Wood	Intact	-0.2
1065	White	First (1)	1E-129	Window Sill	Marble	Intact	0.3
1066	White	First (1)	1E-129	Heater	Metal	Intact	0
1067	White	First (1)	1E-129	Hood	Metal	Intact	0
1068	Painted White	First (1)	1E-129	Wall	4" Ceramic Tiles	Intact	17.5
1069	White	First (1)	1E-130A	Wall	Plaster	Intact	-0.4
1070	White	First (1)	1E-130A	Window Frame	Wood	Intact	0.1



1071	Gray	First (1)	1E-130A	Window Sill	Marble	Intact	0.1
1072	White	First (1)	1E-130A	Heater	Metal	Intact	0.2
1073	White	First (1)	1E-131	Wall	Drywall	Intact	7.6
1074	White	First (1)	1E-131	Wall	Drywall	Intact	7.9
1075	White	First (1)	1E-131	Wall	Drywall	Intact	8.8
1076	White	First (1)	1E-130	Wall	Drywall	Intact	-0.1
1077	White	First (1)	1E-129	Wall	Drywall	Intact	-0.1
1078	Beige	First (1)	1E Hall	Door Frame	Metal	Intact	0.4
1079	White	First (1)	1E Hall	Door	Metal	Intact	0.1
1080	White	First (1)	1D Wing	Wall	FRP	Intact	0.1
1081	White	First (1)	1D Wing	Door Frame	Metal	Intact	-0.1
1082	White	First (1)	1D Wing	Slop Sink	Porcelain	Intact	35
1083	White	First (1)	1D Wing	Wall	FRP	Intact	-0.1
1084	White	First (1)	1D Wing	Wall	FRP	Intact	0.1
1085	White	First (1)	1D Wing	Hand Sink	Porcelain	Intact	-0.4
1086	Painted White	First (1)	1D Wing	Wall	Block	Intact	0.1
1087	Red	First (1)	1D Wing	Floor	Glazed Brick	Intact	0
1088	Tan	First (1)	1D Wing	Wall	Glazed Block	Intact	0
1089	White	First (1)	1D Wing	Wall	Glazed Block/ Ceramic	Intact	10.4
1090	Yellow	First (1)	1D Wing	Wall	Glazed Block	Intact	3.1
1091	Beige	First (1)	1D Wing	Shelf	Metal	Intact	0.3
1092	Beige	First (1)	1D Wing	Door Frame	Wood	Intact	0
1093	Red	First (1)	1D Wing	Floor	Brick	Intact	0
1094	Beige	First (1)	1D-075A	Wall	Drywall	Intact	-0.3
1095	Beige	First (1)	1D-075A	Wall	Plaster	Intact	0.1
1096	Beige	First (1)	1D-075A	Wall	Plaster	Intact	-0.2
1097	White	First (1)	Refrigerator 8	Wall	4" Ceramic Tiles	Intact	7.9

1098	Red	First (1)	Refrigerator 8	Floor	6" Brick	Intact	0
1099	White	First (1)	Refrigerator 8	Ceiling	Plaster	Intact	-0.3
1100	Blue	First (1)	1D Hall	Floor	Epoxy	Intact	0
1101	Blue	First (1)	1089	Wall	Plaster	Intact	0.3
1102	Blue	First (1)	1089	Door Frame	Metal	Intact	0.4
1103	Wood	First (1)	1089	Door	Wood	Intact	-0.1
1104	Off White	First (1)	1090	Wall	4" Ceramic Tiles	Intact	-0.1
1105	White	First (1)	1090	Window Frame	Wood	Intact	0.1
1106	Off White	First (1)	1090	Wall	4" Ceramic Tiles	Intact	-0.2
1107	White	First (1)	1090	Window Sill	Wood	Intact	0.1
1108	Beige	First (1)	1090	Radiator	Steel	Intact	0
1109	White	First (1)	1090	Hand Sink	Porcelain	Intact	-0.4
1110	Tan	First (1)	1090	Floor	2" Ceramic Tiles	Intact	-0.1
1111	Brown	First (1)	1090	Floor	2" Ceramic Tiles	Intact	0
1112	Tan w. Specs	First (1)	1090	Floor	2" Ceramic Tiles	Intact	0.1
1113	Brown w. Specs	First (1)	1090	Floor	2" Ceramic Tiles	Intact	0.2
1114	Beige	First (1)	1088	Wall	Plaster	Intact	0.2
1115	Off White	First (1)	1087	Wall	4" Ceramic Tiles	Intact	-0.3
1116	White	First (1)	1087	Window Frame	Wood	Intact	0.2
1117	White	First (1)	1087	Window Sill	Wood	Intact	0.3
1118	Beige	First (1)	1087	Heater	Metal	Intact	-0.1
1119	Brown	First (1)	1087	Floor	2" Ceramic Tiles	Intact	0
1120	Tan	First (1)	1087	Floor	2" Ceramic Tiles	Intact	0.1
1121	Tan w. Specs	First (1)	1087	Floor	2" Ceramic Tiles	Intact	0.1
1122	Brown w. Specs	First (1)	1087	Floor	2" Ceramic Tiles	Intact	0.2
1123	Green	First (1)	1087	Stall	Metal	Intact	0.1
1124	Tan	First (1)	1D Dock	Wall	Glazed Block	Intact	0

1125	Yellow	First (1)	1D Dock	Wall	Glazed Block	Intact	4.1
1126	Tan	First (1)	1D Dock	Wall	Glazed Block	Intact	0.1
1127	Yellow	First (1)	1D Dock	Wall	Glazed Block	Intact	4
1128	Beige	First (1)	1D Dock	Door Frame	Metal	Intact	0.4
1129	Beige	First (1)	1D Dock	Door	Metal	Intact	0
1130	Red	First (1)	1D Dock	Floor	Brick	Intact	0.1
1131	Tan w. Specs	First (1)	1D-080	Wall	Glazed Block	Intact	-0.1
1132	White	First (1)	Refrigerator 1	Wall	4" Ceramic Tiles	Intact	-0.5
1133	White	First (1)	Refrigerator 1	Wall	4" Ceramic Tiles	Intact	-0.2
1134	White	First (1)	Refrigerator 1	Wall	4" Ceramic Tiles	Intact	9.4
1135	Beige	First (1)	1A-030	Wall	Plaster	Intact	0.1
1136	Beige	First (1)	1A-030	Window Frame	Wood	Intact	0.1
1137	Beige	First (1)	1A-030	Window Sill	Plaster	Intact	18
1138	Beige	First (1)	1A-030	Heater	Metal	Intact	0.2
1139	Beige	First (1)	1A-030	Wall (Exterior)	Plaster	Intact	13.3
1140	White	First (1)	1A-030	Hand Sink	Porcelain	Intact	-0.2
1141	Beige	First (1)	1A-031	Wall	Plaster	Intact	-0.3
1142	Beige	First (1)	1A-031	Wall	Plaster	Intact	0.1
1143	Beige	First (1)	1A-031	Wall	Drywall	Intact	-0.3
1144	White	First (1)	1A-029	Wall	4" Ceramic Tiles	Intact	0.3
1145	Beige	First (1)	1A-029	Wall	Drywall	Intact	0.2
1146	Beige	First (1)	1A-034	Wall	Plaster	Intact	-0.1
1147	White	First (1)	1A-034	Window Frame	Wood	Intact	0
1148	Gray	First (1)	1A-034	Window Sill	Marble	Intact	0.3
1149	White	First (1)	1A-034	Heater	Metal	Intact	0.2
1150	Gray	First (1)	1A-034	Wall	Plaster	Intact	-0.2
1151	White	First (1)	1A-061	Wall	Drywall	Intact	0.2

1152	Beige	First (1)	1A-061	Wall	Drywall	Intact	0.2
1153	Beige	First (1)	1A-061	Wall	Plaster	Intact	0.7
1154	Light Blue	First (1)	1A-061	Wall	Plaster	Intact	0
1155	Beige	First (1)	1A-063	Wall	Plaster	Intact	0.4
1156	Beige	First (1)	1A-063	Wall	Plaster	Intact	0.3
1157	Beige	First (1)	1B-028	Window Sill	Drywall	Intact	0.2
1158		Calibration					1
1159		Calibration					1
1160		Calibration					1
1161	Beige w. Brown Specs	First (1)	1A-004	Wall	4" Ceramic Tiles	Intact	-0.1
1162	Off White	First (1)	1A-004	Wall	4" Ceramic Tiles	Intact	-0.1
1163	Beige w. Brown Specs	First (1)	1A-004	Window Sill	4" Ceramic Tiles	Intact	3.8
1164	Beige w. Brown Specs	First (1)	1A-004	Wall	4" Ceramic Tiles	Intact	0.1
1165	Beige w. Brown Specs	First (1)	1A-004	Wall	4" Ceramic Tiles	Intact	3
1166	White w. Brown Specs	First (1)	1A-004	Window Sill	4" Ceramic Tiles	Intact	2.7
1167	White w. Brown Specs	First (1)	1A-005	Wall	4" Ceramic Tiles	Intact	0
1168	White w. Brown Specs	First (1)	1A-005	Chase	4" Ceramic Tiles	Intact	2.3
1169	White	First (1)	1A-005	Heater	Metal	Intact	0.3
1170	White w. Brown Specs	First (1)	1A-005	Wall	4" Ceramic Tiles	Intact	2.1
1171	White	First (1)	1A-173	Wall	Plaster	Intact	0
1172	White	First (1)	1A-173	Window Frame	Wood	Intact	0.1
1173	White	First (1)	1A-173	Window Sill	Marble	Intact	0.3
1174	White	First (1)	1A-173	Heater	Metal	Intact	0.2
1175	White	First (1)	1A-173	Wall	Plaster	Intact	-0.1
1176	White	First (1)	1A-101	Wall	Plaster	Intact	0
1177	White	First (1)	1A-101	Wall	Plaster	Intact	0.2
1178	Beige	First (1)	1A-142	Wall	Plaster	Intact	0.3

1179	Beige	First (1)	1A-142	Wall	Plaster	Intact	-0.1
1180	Beige	First (1)	1A Hall	Door Frame (NW Entry)	Metal	Intact	5
1181	Off White	First (1)	1A-147	Wall	4" Ceramic Tiles	Intact	2.6
1182	Wallpaper	Ground (0)	GC Hall	Wall	Drywall	Intact	-0.2
1183	Wallpaper	Ground (0)	GC Hall	Wall	Drywall	Intact	-0.2
1184	Wallpaper	Ground (0)	GC Hall	Wall	Drywall	Intact	0.1
1185	Beige	Ground (0)	GC Hall	Radiator	Steel	Intact	0
1186	Wallpaper	Ground (0)	GC Hall	Window Sill	Plaster	Intact	0.1
1187	White	Ground (0)	GC Hall	Door Frame	Metal	Intact	0.7
1188	White	Ground (0)	GC Hall	Door	Metal	Intact	0.2
1189	White	Ground (0)	GC Hall	Seismic Beam	Metal	Intact	0.2
1190	Red	Ground (0)	GC Hall	Door	Glazed Block (Behind Drywall)	Intact	0
1191	Tan	Ground (0)	GC Hall	Wall	Glazed Block (Behind Drywall)	Intact	-0.1
1192	Tan	Ground (0)	GC Hall	Wall	Glazed Block (Behind Drywall)	Intact	0.1
1193	Tan	Ground (0)	GC Hall	Wall	4" Ceramic Tiles	Intact	0
1194	White w. Gold Specs	Ground (0)	GC-015	Wall	Drywall	Intact	0.2
1195	White	Ground (0)	GC-015	Wall	Wood	Intact	0
1196	White	Ground (0)	GC-015	Window Frame	Wood	Intact	0
1197	Gray	Ground (0)	GC-015	Window Sill	Marble	Intact	0.2
1198	White	Ground (0)	GC-015	Wall	Drywall	Intact	0.1
1199	White w. Gold Specs	Ground (0)	GC-015A	Wall	4" Ceramic Tiles	Intact	0.4
1200	White	Ground (0)	GC-015A	Wall	Drywall	Intact	0
1201	White	Ground (0)	GC-015A	Window Frame	Wood	Intact	-0.1
1202	Gray	Ground (0)	GC-015A	Window Sill	Marble	Intact	0
1203	White	Ground (0)	GC-015A	Wall	Drywall	Intact	0.1

1204	Beige	Ground (0)	GC-010	Wall	Drywall	Intact	-0.2
1205	Beige	Ground (0)	GC-010	Window Sill	Drywall	Intact	-0.6
1206	White	Ground (0)	GC-010	Window Frame	Wood	Intact	-0.1
1207	Beige	Ground (0)	GC-010	Wall	Drywall	Intact	-0.2
1208	White w. Gold Specs	Ground (0)	GC-010	Wall	4" Ceramic Tiles	Intact	0
1209	White	Ground (0)	GC-010	Hand Sink	Porcelain	Intact	-0.3
1210	White	Ground (0)	GC-017A	Wall	Drywall	Intact	0
1211	Gray	Ground (0)	GC-017A	Wall	9" Ceramic Tiles	Intact	-0.4
1212	Beige	Ground (0)	GC-017A	Wall	9" Ceramic Tiles	Intact	-0.5
1213	White	Ground (0)	GB Hall	Wall	Drywall	Intact	-0.1
1214	White	Ground (0)	GB Hall	Wall	Drywall	Intact	0
1215	White	Ground (0)	GB Hall	Wall	Drywall	Intact	0
1216	White	Ground (0)	GB Hall	Door Frame	Metal	Intact	0
1217	Gray	Ground (0)	GB Hall	Door Frame	Metal	Intact	0
1218	Gray	Ground (0)	GB Hall	Door	Metal	Intact	0
1219	White	Ground (0)	GB Hall	Wall	Drywall	Intact	0.1
1220	Beige	Ground (0)	GB-070	Wall	Drywall	Intact	0.2
1221	Beige	Ground (0)	GB-070	Wall	Drywall	Intact	-0.2
1222	Beige	Ground (0)	GB-070	Wall	Drywall	Intact	0.1
1223	White	Ground (0)	GB-007H	Wall	Drywall	Intact	-0.2
1224	White	Ground (0)	GB-007H	Wall	Drywall	Intact	-0.1
1225	Gray	Ground (0)	GB-007H	Window Sill	Marble	Intact	0.3
1226	White	Ground (0)	GB-007N	Wall	Drywall	Intact	-0.1
1227	Off White	Ground (0)	GB-007R	Wall	4" Ceramic Tiles	Intact	0.1
1228	Brown w. Specs	Ground (0)	GB-007R	Floor	2" Ceramic Tiles	Intact	0.2
1229	Gray	Ground (0)	GB Hall	Window Sill	Marble	Intact	0.4
1230	White	Ground (0)	GB Hall	Wall	Drywall	Intact	-0.1

1231	Beige	Ground (0)	GB Hall	Wall	Drywall	Intact	0
1232	Beige	Ground (0)	GE Hall	Wall	Drywall	Intact	-0.2
1233	Beige	Ground (0)	GE-067	Wall	Drywall	Intact	-0.1
1234	Beige	Ground (0)	GE-067	Wall	Drywall	Intact	-0.1
1235	Teal	Ground (0)	GE-067	Radiator	Metal	Intact	-0.1
1236	White	Ground (0)	GE-067	Window Frame	Wood	Intact	-0.2
1237	Gray	Ground (0)	GE-067	Window Sill	Marble	Intact	0.3
1238	Beige	Ground (0)	GE-067	Wall	Drywall	Intact	-0.2
1239	White	Ground (0)	GE-067	Window Frame	Wood	Intact	0
1240	Beige	Ground (0)	GE-067	Window Sill	Drywall	Intact	0
1241	Beige	Ground (0)	GE-067	Door Frame	Metal	Intact	0.5
1242	Beige	Ground (0)	GE-067	Door	Metal	Intact	-0.1
1243	Beige	Ground (0)	GE Hall	Wall	Drywall	Intact	0
1244	Gray	Ground (0)	GE Hall	Window Sill	Marble	Intact	0.2
1245	White	Ground (0)	GE Hall	Window Frame	Wood	Intact	-0.2
1246	Beige	Ground (0)	GE Hall	Wall	Drywall	Intact	-0.1
1247	Gray	Ground (0)	GE Hall	Door Frame	Metal	Intact	0.5
1248	Beige	Ground (0)	GE-068	Wall	Drywall	Intact	-0.3
1249	Beige	Ground (0)	GE-068	Wall	Drywall	Intact	0.1
1250	Tan	Ground (0)	GE Hall	Door Frame	Metal	Intact	0.6
1251	Tan	Ground (0)	GE Hall	Door	Metal	Intact	0
1252		Calibration					1
1253		Calibration					1
1254		Calibration					0.9
1255	Beige	Ground (0)	GD Hall	Wall	Drywall	Intact	-0.2
1256	Beige	Ground (0)	GD Hall	Wall	Drywall	Intact	-0.2
1257	Beige	Ground (0)	GD Hall	Wall	Drywall	Intact	-0.1

1258	Beige	Ground (0)	GD Hall	Elevator Frame	Metal	Intact	0.2
1259	Beige	Ground (0)	GD Hall	Door Frame	Metal	Intact	0.5
1260	Tan	Ground (0)	GD Hall	Door	Metal	Intact	0.3
1261	Red	Ground (0)	GD Hall	Door	Wood	Intact	0
1262	Red	Ground (0)	GD Hall	Door Frame	Metal	Intact	0.7
1263	Tan	Ground (0)	GD Hall	Door	Metal	Intact	0.3
1264	Beige	Ground (0)	GD Hall	Door Frame	Metal	Intact	0.6
1265	Beige	Ground (0)	GD Hall	Seismic Beam	Metal	Intact	0.1
1266	Tan	Ground (0)	GD Hall	Wall	Glazed Block	Intact	0
1267	Tan	Ground (0)	GD Hall	Wall	Glazed Block	Intact	0
1268	Tan	Ground (0)	GD Hall	Wall	Glazed Block	Intact	-0.2
1269	White	Ground (0)	GD-046	Wall	Drywall	Intact	-0.5
1270	White	Ground (0)	GD-046	Wall	4" Ceramic Tiles	Intact	-0.5
1271	White	Ground (0)	GD-046	Window Frame	Wood	Intact	0
1272	White	Ground (0)	GD-046	Window Sill	Drywall	Intact	0.1
1273	Beige	Ground (0)	GD-046	Radiator	Metal	Intact	0
1274	Tan	Ground (0)	GD-046	Wall	Glazed Block	Intact	0
1275	Beige	Ground (0)	GD-030	Wall	Drywall	Intact	0.1
1276	Beige	Ground (0)	GD-030	Wall	Plaster	Intact	0.2
1277	Beige	Ground (0)	GD-030	Door Frame	Metal	Intact	0.2
1278	Beige	Ground (0)	GD-030	Window Sill	Drywall	Intact	0
1279	White	Ground (0)	GD-030	Window Frame	Wood	Intact	-0.2
1280	Painted White	Ground (0)	GD-030	Wall	Glazed Block	Intact	-0.2
1281	White	Ground (0)	GD-030	Ceiling Deck	Concrete	Intact	0
1282	Beige	Ground (0)	GD-030A	Wall	Drywall	Intact	-0.2
1283	Tan	Ground (0)	GD-030A	Wall	Glazed Block	Intact	0
1284	White	Ground (0)	GD-030A	Ceiling Deck	Concrete	Intact	0.2



1285	Painted White	Ground (0)	GD-034	Wall	Glazed Block	Intact	-0.3
1286	Painted White	Ground (0)	GD-034	Wall	Glazed Block	Intact	0
1287	Painted White	Ground (0)	GD-034	Wall	Glazed Block	Intact	0
1288	White	Ground (0)	GD-034	Window Frame	Wood	Intact	0.2
1289	Light Blue	Ground (0)	GD-034	Shelf	Metal	Intact	0
1290	White	Ground (0)	GD-034	Pipe	Metal	Intact	0.2
1291	Painted Beige	Ground (0)	GD-044C	Wall	Glazed Block	Intact	-0.2
1292	Beige	Ground (0)	GD-044C	Wall	Drywall	Intact	0
1293	White	Ground (0)	GD-045A	Wall	Drywall	Intact	0
1294	White	Ground (0)	GD-045A	Window Sill	Drywall	Intact	0
1295	Beige	Ground (0)	GA Hall	Door Frame	Metal	Deteriorated	3.7
1296	Beige	Ground (0)	GA Hall	Door	Metal	Deteriorated	4.2
1297	Wallpaper	Ground (0)	GA Hall	Wall	Drywall	Intact	-0.1
1298	Wallpaper	Ground (0)	GA Hall	Wall	Drywall	Intact	-0.2
1299	Wallpaper	Ground (0)	GA Hall	Wall	Drywall	Intact	-0.2
1300	Beige	Ground (0)	GA Hall	Door Frame	Metal	Intact	0.5
1301	White	Ground (0)	GA-007	Door Frame	Metal	Intact	1.1
1302	white	Ground (0)	GA Hall	Door	Metal	Intact	0.2
1303	White	Ground (0)	GA Hall	Door Frame	Metal	Intact	0.3
1304	White	Ground (0)	GA Hall	Door Frame	Metal	Intact	0.6
1305	Beige	Ground (0)	GA Hall	Door Frame	Metal	Intact	0.4
1306	Tan	Ground (0)	GA Hall	Door Frame	Metal	Intact	0.6
1307	Tan	Ground (0)	GA Hall	Door Frame	Metal	Intact	0.4
1308	Tan	Ground (0)	GA Hall	Door	Metal	Intact	-0.1
1309	White	Ground (0)	GA Hall	Seismic Beam	Metal	Intact	-0.1
1310	Tan	Ground (0)	GA Hall	Wall	Glazed Block	Intact	-0.2
1311		Calibration					1

1312		Calibration					1
1313		Calibration					1
1314	Tan	Ground (0)	GA Hall	Wall	Glazed Block	Intact	0.2
1315	Tan	Ground (0)	GA Hall	Wall	Glazed Block	Intact	-0.1
1316	Tan	Ground (0)	GA-073	Wall	Glazed Block	Intact	0
1317	Gray	Ground (0)	GA-073	Wall	Glazed Block	Intact	0
1318	Beige	Ground (0)	GA-073	Wall	Drywall	Intact	0.1
1319	White	Ground (0)	GA-073	Window Frame	Wood	Intact	-0.1
1320	Beige	Ground (0)	GA-073	Radiator	Metal	Intact	0.1
1321	White	Ground (0)	GA-073	Large Sink	Porcelain	Intact	-0.2
1322	Beige	Ground (0)	GA-073	Ceiling	Plaster	Intact	0.2
1323	Blue	Ground (0)	GA-073	Lockers	Metal	Intact	0
1324	Green	Ground (0)	GA-075	Floor	2" Ceramic Tiles	Intact	0
1325	Light Green	Ground (0)	GA-075	Floor	2" Ceramic Tiles	Intact	0.1
1326	Tan	Ground (0)	GA-075	Floor	2" Ceramic Tiles	Intact	0.1
1327	White	Ground (0)	GA-078	Wall	Plaster	Intact	0.3
1328	Tan	Ground (0)	GA-058	Wall	Glazed Block	Intact	-0.1
1329	Red	Ground (0)	GA-058	Sprinkler Line	Metal	Intact	0
1330	Painted Yellow	Ground (0)	GA-056	Wall	Glazed Block	Intact	0.2
1331	Yellow	Ground (0)	GA-056	Wall	Corner Protector	Intact	0.4
1332	White	Ground (0)	GA-056	Window Frame	Wood	Intact	0
1333	White	Ground (0)	GA-056	Radiator	Metal	Intact	0.1
1334	Brick Red	Ground (0)	GA-056	Baseboard	Glazed Block	Intact	0
1335	White	Ground (0)	GA-056	Pipe	Cast Iron	Intact	0.2
1336	White	Ground (0)	GA-056	Ceiling Deck	Concrete	Intact	0
1337	White	Ground (0)	GA-055	Wall	Drywall	Intact	0.2
1338	Tan	Ground (0)	GA-055	Wall	4" Ceramic Tiles	Intact	0

1339	White	Ground (0)	GA-055	Radiator	Metal	Intact	0.1
1340	White	Ground (0)	GA-055	Window Sill	Marble	Intact	0.1
1341	White	Ground (0)	GA-055	Hand Sink	Porcelain	Intact	-0.4
1342	Brown	Ground (0)	GA-055	Floor	12" Ceramic Tiles	Intact	0.1
1343	Painted White	Ground (0)	GA-077	Wall	Glazed Block	Intact	-0.1
1344	Green w. Spots	Ground (0)	GA-077	Wall	Glazed Block	Intact	-0.1
1345	Gray w. Spots	Ground (0)	GA-077	Wall	Glazed Block	Intact	0
1346	Brick Red	Ground (0)	GA-077	Baseboard	Glazed Block	Intact	0.2
1347	Beige	Ground (0)	GA-077	HVAC	Sheet Metal	Intact	0
1348	White	Ground (0)	GA-077	HVAC	Sheet Metal	Intact	0
1349	White	Ground (0)	GA-077	Pipe	Cast Iron	Intact	-0.1
1350	White	Ground (0)	GA-077	Ceiling Deck	Concrete	Intact	0.2
1351	White	Ground (0)	GA-077	Door Frame	Metal	Intact	0.8
1352	White	Ground (0)	GA-077	Door Frame	Metal	Intact	0.4
1353	Red	Ground (0)	GA-077	Sprinkler Line	Metal	Intact	0.1
1354	White	Ground (0)	GA-077A	Wall	Drywall	Intact	-0.3
1355	Tan	Ground (0)	GA-077A	Wall	4" Ceramic Tiles	Intact	-0.3
1356	Brown	Ground (0)	GA-077A	Floor	12" Ceramic Tiles	Intact	-0.1
1357	White	Ground (0)	GA-079A	Wall	Drywall	Intact	0.2
1358	Tan	Ground (0)	GA-079A	Wall	4" Ceramic Tiles	Intact	-0.4
1359	Brown	Ground (0)	GA-079A	Floor	12" Ceramic Tiles	Intact	0.3
1360	White	Ground (0)	GA-079A	Hand Sink	Porcelain	Intact	-0.3
1361	Red	Ground (0)	GA Hall	Door Frame	Metal	Intact	0.7
1362	Red	Ground (0)	GA Hall	Door Frame	Metal	Intact	0.8
1363	Beige	Ground (0)	GA Hall	Door Frame	Metal	Intact	0.6
1364	Red	Ground (0)	GA Hall	Door	Wood	Intact	-0.1
1365	Beige	Ground (0)	GA-017B	Wall	Drywall	Intact	-0.2

1366	White	Ground (0)	GA-017B	Window Frame	Wood	Intact	0.1
1367	Beige	Ground (0)	GA-017B	Window Sill	Drywall	Intact	0
1368	Beige	Ground (0)	GD Hall	Door Frame	Metal	Intact	0.6
1369		Calibration					1
1370		Calibration					1
1371		Calibration					1
1372		Calibration					1
1373		Calibration					1
1374		Calibration					1.1
1375	Beige	Ground (0)	GA-001	Wall	Drywall	Intact	0.2
1376	Beige	Ground (0)	GA-001	Door Frame	Metal	Intact	0.4
1377	Beige	Ground (0)	GA-001	Door	Metal	Intact	-0.1
1378	White	Ground (0)	GA-003	Wall	Drywall	Intact	0.2
1379	White	Ground (0)	GA-003	Window Frame	Wood	Intact	-0.1
1380	White	Ground (0)	GA-003	Window Sill	Drywall	Intact	0.2
1381	White	Ground (0)	GA-003	Hand Sink	Porcelain	Intact	-0.5
1382	Tan	Ground (0)	GA-003	Wall	Glazed Block	Intact	0
1383	White	Ground (0)	GA-003	Wall	Plaster	Intact	-0.2
1384		Calibration	GA-003				1
1385		Calibration					1
1386		Calibration					1
1387	Rust	Basement	Basement	Door Frame	Metal	Deteriorated	2.8
1388	Gray	Basement	Basement	Door	Metal	Deteriorated	4.5
1389	Gray	Basement	Basement	Tank	Metal	Intact	0.2
1390	Red	Basement	Basement	Pipe Fitting	Steel	Intact	0.7
1391	Rust	Basement	Basement	Stair Rail	Metal	Intact	0
1392	Black	Basement	Basement	Pipe Hanger	Metal	Intact	2.6

1393	Black	Basement	Basement	Pipe Hanger	Metal	Intact	0
1394	Black	Basement	Basement	Pipe Hanger	Metal	Intact	4.9
1395	Red	Basement	Basement	Pipe Fitting	Steel	Intact	0.5
1396	Red	Basement	Basement	Valve	Steel	Intact	0.1
1397	Gray	Basement	Basement	Small Vertical Tank	Metal	Intact	0.3
1398	Gray	Basement	Basement	Compressor Tank	Metal	Intact	1.3
1399	Teal	Basement	Basement	Tank	Metal	Intact	0.6
1400	Teal	Basement	Basement	Tank	Metal	Intact	0.2
1401	Gray	Basement	Basement	Louver Frame	Wood	Intact	0.2
1402	Slate	Basement	Basement	Elevator Frame	Metal	Intact	0.5
1403	Slate	Basement	Basement	Elevator Door	Metal	Intact	-0.1
1404	Black	Basement	Basement	Pipe	Metal	Intact	0
1405	Black	Basement	Basement	Incinerator Door	Steel	Intact	0.1
1406	Black	Basement	Basement	Large Pipe Support	Steel	Intact	5.5
1407	White	Basement	Basement	Sink	Porcelain	Intact	-0.2
1408	Rust	Basement	Basement	Door Frame	Metal	Intact	0.6
1409	Rust	Basement	Basement	Door	Metal	Intact	0.1
1410	Red	Basement	Basement	Pipe Fitting	Steel	Intact	-0.3
1411	Gray	Basement	Basement	Footing	Concrete	Intact	-0.1
1412	Red	Basement	Basement	Tank	Steel	Intact	-0.3
1413	Gray	Basement	Basement	Floor	Concrete	Intact	0.1
1414	Black	Basement	Basement	Stand	Metal	Intact	7.5
1415	Red	Basement	Basement	Tank	Metal	Intact	0.2
1416	Gray	Basement	Basement	Footing	Concrete	Intact	0.2
1417	Gray	Basement	Basement	Bracket	Steel	Intact	0
1418	Gray	Basement	Basement	Footing	Concrete	Intact	0.3
1419	Black	Basement	Basement	Old Fan Housing	Metal	Intact	0

1420	Gray	Basement	Basement	Floor	Concrete	Intact	0.1
1421	Red	Basement	Basement	Shelf	Metal	Intact	0.7
1422	Gray	Basement	Compressor Room	Door Frame	Metal	Intact	0.1
1423	Gray	Basement	Compressor Room	Door	Metal	Intact	-0.1
1424	White	Basement	Compressor Room	Door Frame	Metal	Intact	0
1425	White	Basement	Compressor Room	Door	Metal	Intact	-0.4
1426	White	Basement	Compressor Room	Door Frame	Metal	Intact	0.3
1427	White	Basement	Compressor Room	Fire Door	Metal	Intact	4.3
1428	White	Basement	Compressor Room	Wall	Concrete	Intact	0
1429	White	Basement	Compressor Room	Wall	Brick	Intact	-0.2
1430	White	Basement	Compressor Room	Ceiling	Concrete	Intact	0.1
1431	Yellow	Basement	Compressor Room	Pipe	Steel	Intact	2.1
1432	Yellow	Basement	Compressor Room	Small I Beam	Steel	Intact	2.3
1433	White	Basement	Compressor Room	Door Frame	Metal	Intact	0.4
1434	White	Basement	Compressor Room	Door	Metal	Intact	0
1435	Gray	Basement	Compressor Room	Tank	Metal	Intact	-0.1
1436	Gray	Basement	Compressor Room	Tank Frame	Steel	Intact	0
1437	Silver	Basement	Compressor Room	Tank	Steel	Intact	0.5
1438	Silver	Basement	Compressor Room	Tank Frame	Steel	Intact	0.6
1439	Blue	Basement	Compressor Room	Frame	Steel	Intact	0.1
1440	Red	Basement	Compressor Room	Cherry Pick	Steel	Intact	0.4
1441	Gray	Basement	Compressor Room	Floor	Concrete	Intact	-0.1
1442	Black	Basement	Compressor Room	Pipe	Metal	Intact	0.1
1443	White	Basement	Compressor Room	Louver Frame	Metal	Intact	0
1444	Teal	Fifth (5)	5A Hall	Wall	Plaster	Intact	0
1445	Yellow	Fifth (5)	5C Hall	Wall	Plaster	Intact	-0.1
1446	Yellow	Fifth (5)	5B Hall	Wall	Plaster	Intact	0

1447	Teal	Fifth (5)	5F Hall	Wall	Plaster	Intact	0
1448	Teal	Fifth (5)	5E Hall	Wall	Plaster	Intact	0.1
1449	Green	Fourth (4)	4A-056	Wall	Drywall	Intact	0.8
1450	Green	Fourth (4)	4A-056	Wall	Drywall	Intact	1.1
1451	Green	Fourth (4)	4A-056	Wall	Drywall	Intact	0.7
1452	Green	Fourth (4)	4A-056	Window Sill	Drywall	Intact	0.8
1453	Green	Fourth (4)	4A-056	Heater	Metal	Intact	0.3
1454	Off White	Fourth (4)	4A-056	Wall	4" Ceramic Tiles (Behind Drywall)	Intact	13
1455	Light Green	Fourth (4)	4A Hall	Wall	Plaster	Intact	-0.1
1456	White	Fourth (4)	4B Hall	Wall	Plaster	Intact	0.1
1457	Beige	Fourth (4)	4F Hall	Wall	Plaster	Intact	0
1458	Beige	Fourth (4)	4E Hall	Wall	Plaster	Intact	0
1459	Yellow	Third (3)	3A Hall	Wall	Plaster	Intact	0.1
1460	Yellow	Third (3)	3C Hall	Wall	Plaster	Intact	-0.1
1461	Yellow	Third (3)	3B Hall	Wall	Plaster	Intact	0.1
1462	Yellow	Third (3)	3F hall	Wall	Plaster	Intact	0
1463	Yellow	Second (2)	2A Hall	Wall	Plaster	Intact	0
1464	Yellow	Second (2)	2C Hall	Wall	Plaster	Intact	0.1
1465	Yellow	Second (2)	2B Hall	Wall	Plaster	Intact	0.2
1466	Yellow	Second (2)	2F Hall	Wall	Plaster	Intact	-0.2
1467	Light Green	Second (2)	2A-128	Wall	Plaster	Intact	0
1468	Light Green	Second (2)	2A-128	Wall	Drywall	Intact	0
1469	Beige w. Brown Specs	Second (2)	2A-130	Wall	4" Ceramic Tiles	Intact	17.2
1470	White	Second (2)	2A-130	Hand Sink	Porcelain	Intact	-0.5
1471	Yellow	Second (2)	2D Hall	Wall	Plaster	Intact	0
1472	White	First (1)	1A Hall	Wall	Plaster	Intact	0

1473	White	First (1)	1C Hall	Wall	Plaster	Intact	0.1
1474	White	First (1)	1B Hall	Wall	Plaster	Intact	0
1475	White	First (1)	1A Lobby	Ceiling	Plaster	Intact	0.2
1476	Green	First (1)	1F Hall	Wall	Plaster	Intact	0
1477	White	First (1)	1E Hall	Wall	Plaster	Intact	0.1
1478		Calibration					1
1479		Calibration					1
1480		Calibration					1
8111		Calibration					1
8112		Calibration					1.1
8113		Calibration					1
8114	Beige	Exterior	Northeast	Rail	Metal	Deteriorated	1.1
8115	Brown	Exterior	Northeast	Rail	Metal	Good	0
8116	Yellow	Exterior	Northeast	Safety Pole	Concrete	Deteriorated	0.1
8117	Brown	Exterior	Northeast	Door Frame	Metal	Good	0
8118	Beige	Exterior	Northwest	Rail	Metal	Deteriorated	-0.1
8119	Brown	Exterior	Northwest	Window Frame	Metal	Deteriorated	0.2
8120	Brown	Exterior	West	Door	Metal	Good	0.2
8121	Brown	Exterior	West	Door Frame	Metal	Good	0.9
8122	Black	Exterior	West	Safety Pole	Plaster	Good	0
8123	Brown	Exterior	West	Door	Metal	Good	0
8124	Brown	Exterior	West	Door Frame	Metal	Good	0.3
8125	Brown	Exterior	West	Window Frame	Metal	Good	0.6
8126	Black	Exterior	West	Rail	Metal	Good	-0.5
8127	Brown	Exterior	Southwest	Door	Metal	Good	0.1
8128	Brown	Exterior	Southwest	Door Frame	Metal	Good	0.4
8129	Brown	Exterior	South	Door	Metal	Deteriorated	0.1



8130	Brown	Exterior	South	Door Frame	Metal	Deteriorated	0.3
8131	Brown	Exterior	South	Vent Hood	Metal	Deteriorated	0
8132	Brown	Exterior	South	Window Frame	Metal	Good	0.2
8133	Brown	Exterior	South	Louver	Metal	Good	0.1
8134	Brown	Exterior	South	Soffit	Metal	Deteriorated	0.2
8135	Brown	Exterior	South	Entry Pole	Metal	Deteriorated	0
8136	Brown	Exterior	East	Door Frame	Metal	Deteriorated	0
8137	Beige	Exterior	East	Rail	Metal	Deteriorated	0
8138	Beige	Exterior	East	Stair Rail	Metal	Deteriorated	0.1
8139	Brown	Exterior	East	Dock Stair Rail	Metal	Deteriorated	0
8140	Brown	Exterior	Dock	Door	Metal	Good	0
8141	Brown	Exterior	Dock	Door Frame	Metal	Good	0.4
8142	Brown	Exterior	Dock	Window Frame	Metal	Good	0.9
8143	Brown	Exterior	Sublevel (South)	Double Door	Metal	Good	5.2
8144	Brown	Exterior	Sublevel (South)	Double Door Frame	Metal	Good	3.6
8145	Brown	Exterior	Sublevel	Basement Stair Rail	Metal	Deteriorated	-0.1
8146	Brown	Exterior	Sublevel	Basement Door	Metal	Deteriorated	5.1
8147	Brown	Exterior	Sublevel	Basement Door Frame	Metal	Deteriorated	8.6
8148	Brown	Exterior	Sublevel	Basement Soffit	Metal	Deteriorated	0.2
8149	Brown	Exterior	Sublevel (Break Area)	Ramp Rail	Metal	Deteriorated	0
8150	Brown	Exterior	Sublevel (Break Area)	Door	Metal	Deteriorated	4.8
8151	Brown	Exterior	Sublevel (Break Area)	Door Frame	Metal	Deteriorated	5.7
8152	Brown	Exterior	Sublevel (Mechanical)	Double Door	Metal	Good	0.2
8153	Brown	Exterior	Sublevel (Mechanical)	Double Door Frame	Metal	Good	0.6
8154	Brown	Exterior	Sublevel	Window Frame	Metal	Good	0.5

## **2018 Micro-Vac Summary Letter**

# RIVERFRONT Safety & Health



A Service Disabled Veteran Owned Small Business (SDVOSB)

1139 Olive Street, Suite 300 – Saint Louis, MO 63101

ph 314-436-9492 – fx 314-436-9733

RiverfrontEnvironmental.com

December 10, 2018

Riverfront Project No. SH1457

Mr. Jeremiah Benoit  
Energy Manager  
Facilities Engineering  
Department of Veterans Affairs  
Poplar Bluff VAMC  
Poplar Bluff, MO



RE: Industrial Hygiene Sampling Summary for VA Poplar Bluff Campus, Building 1; TEM Micro-vacuum Sampling Results

To Whom it May Concern:

Riverfront Safety & Health, LC (Riverfront) is pleased to present the following Industrial Hygiene (IH) sampling result submittals for your review. *Note that findings from this field assessment effort were communicated in writing to the VA immediately upon receipt of laboratory results on 2/27/18.*

## **TEM MICROVACUUM SAMPLING – SCOPE OF WORK**

Upon request from the VA, following the discovery of potential surface dust asbestos contamination, Riverfront collected a representative number of TEM micro-vacuum samples from above-ceiling areas designated as “significantly damaged” following assessment efforts taken during the 2018 asbestos re-inspection effort. Micro-vacuum samples were collected underneath areas of heavily damaged ACM pipe insulation. All micro-vacuum samples were shipped, using standard chain of custody procedures, to Batta Labs, Inc., an NVLAP and AIHA accredited laboratory for analysis by TEM (transmission electron microscopy) for asbestos ASTM D5755 analytical methods.

## **TEM MICROVACUUM SAMPLING – RESULTS**

As shown in the table below, laboratory analysis results consistently indicated surface dust asbestos concentrations above the slightly contaminated level of 1,000 str/cm<sup>2</sup> while some samples analyzed were greater than the *moderate* contamination level of 10,000 str/cm<sup>2</sup>. *Heavy* contaminated levels are considered above 100,000 str/cm<sup>2</sup> and *low* contamination levels are considered less than 1,000 str/cm<sup>2</sup>. It should be noted that this particular sampling method is designed to collect and count only asbestos fibers. Sampling results can also be referenced within the laboratory reports included as Attachment A of this report.

<b>TABLE 1</b> <b>POPLAR BLUFF VAMC BLDG 1</b> <b>TEM MICROVAC SAMPLING SUMMARY OF RESULTS</b> <b>2018 ASBESTOS ASSESSMENT/INSPECTION</b>				
<b>SAMPLE NO.</b>	<b>SAMPLE FLOOR</b>	<b>SAMPLE LOCATION/ROOM</b>	<b>SURFACE AREA (ceiling tile)</b>	<b>SAMPLE RESULT (s/cm2)<sup>1</sup></b>
SH1457-012318-1	2	Cafeteria Gift Shop	1FT2	<b>1356.4</b>
SH1457-012318-2	2	Cafeteria Kitchen	1FT2	<452.1
SH1457-012318-3	Ground	2	1FT2	<b>11755.1</b>
SH1457-012318-4	Ground	46	1FT2	<602.8
SH1457-012318-5	Ground	30	1FT2	<b>206166.4</b>
SH1457-012318-5	Ground	45	1FT2	<b>61488.2</b>
SH1457-012318-7	Ground	73	1FT2	<b>3164.8</b>
SH1457-012318-8	1	1041	1FT2	<b>9946.6</b>
SH1457-012318-9	1	1063	1FT2	<b>316483.6</b>
SH1457-012318-10	1	1027A	1FT2	939.85
SH1457-012318-11	1	Hall D	1FT2	<b>41595</b>
SH1457-012318-12	1	1156	1FT2	<b>60885.4</b>
SH1457-012318-13	1	1153	1FT2	<b>45211.9</b>
SH1457-012318-14	1	1081	1FT2	<b>347227.7</b>
SH1457-012318-15	3	3138	1FT2	<452.1
SH1457-012318-16	3	3155	1FT2	904.2
SH1457-012318-17	3	3094	1FT2	<b>7233.9</b>

<b>TABLE 1</b> <b>POPLAR BLUFF VAMC BLDG 1</b> <b>TEM MICROVAC SAMPLING SUMMARY OF RESULTS</b> <b>2018 ASBESTOS ASSESSMENT/INSPECTION</b>				
<b>SAMPLE NO.</b>	<b>SAMPLE FLOOR</b>	<b>SAMPLE LOCATION/ROOM</b>	<b>SURFACE AREA (ceiling tile)</b>	<b>SAMPLE RESULT (s/cm<sup>2</sup>)<sup>1</sup></b>
SH1457-012318-18	2	2030	1FT2	<452.1
SH1457-012318-19	2	2027	1FT2	<452.1
SH1457-012318-20	2	A Hall	1FT2	<b>92232.3</b>
SH1457-012318-21	2	2075	1FT2	<452.1

Notes:

- 1) "s/cm<sup>2</sup>" refers to the number of asbestos structures identified per square centimeter of sampled surface area.

### **TEM MICROVACUUM SAMPLING – TRENDS**

As shown in the table below, laboratory analysis results consistently indicated elevated asbestos concentrations in surface dust in areas exhibiting asbestos piping insulation in significantly damaged conditions. Sampling results can also be referenced within the laboratory reports included as Attachment A of this report.

<b>TABLE 2</b> <b>POPLAR BLUFF VAMC</b> <b>ASBESTOS PIPE INSULATION CONDITION SUMMARY</b> <b>LIST OF OBSERVED LOCATIONS w/SIGNIFICANT DAMAGE VS. MICROVAC RESULTS</b>			
<b>ROOM No.</b>	<b>QUANTITY OF ACM TSI PIPING (LF)</b>	<b>MICROVAC RESULT (s/cm<sup>2</sup>)<sup>1</sup></b>	<b>RELATIVE CONTAMINATION LEVEL<sup>2</sup></b>
<i>GFL – A WING</i>			
73	120	MV7 = 3,164	LOW
02	100	MV3 = 11,755	MODERATE
<i>GFL – D WING</i>			
45A	400	MV6 = 61,488	MODERATE
46	5	MV4 = < 602	NONE DETECT
30	100	MV5 206,166	HEAVY
<i>1FL – A WING</i>			
1063	140	MV9 = 316,483	HEAVY

<b>TABLE 2</b> <b>POPLAR BLUFF VAMC</b> <b>ASBESTOS PIPE INSULATION CONDITION SUMMARY</b> <b>LIST OF OBSERVED LOCATIONS w/SIGNIFICANT DAMAGE VS. MICROVAC RESULTS</b>			
<b>ROOM No.</b>	<b>QUANTITY OF ACM TSI PIPING (LF)</b>	<b>MICROVAC RESULT (s/cm<sup>2</sup>)<sup>1</sup></b>	<b>RELATIVE CONTAMINATION LEVEL<sup>2</sup></b>
<b>1FL – B WING</b>			
1027A	20	MV10 = 45,211	MODERATE
<b>1FL – C WING</b>			
1041C	15	MV8 = 9,947	MODERATE
<b>1FL – F WING</b>			
1153	5	MV13 = 45,212	MODERATE
1156	4	MV12 = 60,885	MODERATE
1162	30	N/A	
<b>1FL – D WING</b>			
HALLWAY AT ELEVATOR LOBBY BETWEEN A & D WING	6	MV11 = 41,595	MODERATE
1081	10	MV14 = 347,227	HEAVY
1079	80	N/A	
1085	78	N/A	
<b>2FL – A WING</b>			
A WING HALL @ 2065	6	MV20 = 92,232	MODERATE
<b>2FL – B WING</b>			
2030	50	MV18 = < 452	NONE DETECTED
2027	160	MV19 = < 452	NONE DETECTED
2071	83	MV2 = < 452	NONE DETECTED
2070	200	MV1 = 1,356	LOW
2075	115	MV21 = < 452	NONE DETECTED
2078A	240	N/A	
<b>2FL – D WING</b>			
2077	62	N/A	
<b>3FL – F WING</b>			
3138	40	MV15 = < 452	NONE DETECTED
<b>3FL – A WING</b>			
3155	50	MV16 = 113,030	HEAVY
<b>3FL – D WING</b>			
3094	260	MV17 = 7,234	LOW
<b>4FL – A WING</b>			
4106	16	N/A	

<b>TABLE 2</b> <b>POPLAR BLUFF VAMC</b> <b>ASBESTOS PIPE INSULATION CONDITION SUMMARY</b> <b>LIST OF OBSERVED LOCATIONS w/SIGNIFICANT DAMAGE VS. MICROVAC RESULTS</b>			
ROOM No.	QUANTITY OF ACM TSI PIPING (LF)	MICROVAC RESULT (s/cm <sup>2</sup> ) <sup>1</sup>	RELATIVE CONTAMINATION LEVEL <sup>2</sup>
5FL			
5008	40	N/A	
5077	50	N/A	
5074	4	N/A	

Notes:

- 1) "s/cm<sup>2</sup>" refers to the number of asbestos structures identified per square centimeter of sampled surface area.
- 2) Relative Contamination Levels are subjectively defined as follows:
  - a. Extreme = > 1,000,000 s/cm<sup>2</sup>
  - b. Heavy = > 100,000 s/cm<sup>2</sup>
  - c. Moderate = > 10,000 s/cm<sup>2</sup>
  - d. Low = > 1,000 s/cm<sup>2</sup>

Analysis of the data suggests the following trends:

- 1) There were a total of 29 locations in Building 1 with asbestos pipe insulation that were observed to be in "significantly damaged" condition.
- 2) Of those 29 locations, we were able to collect a representative micro-vacuum surface dust sample in a total of 21 locations. Remaining locations were not sufficiently accessible to physically collect a sample due to obstructions.
- 3) 14 of 21 locations showed "elevated" surface dust contamination, and would justify further corrective actions as discussed below.
- 4) 12 of 21 locations showed a level of contamination that would typically be interpreted as "moderate" or "heavy" contamination
- 5) 10 of 12 "moderate to heavy" levels are found on the GFL & 1FL levels; this agrees with field observations that piping conditions on the GFL and 1FL levels showed more degradation than the remaining floors, with floors 2 -5 appearing to have received more recent renovations (i.e. new ceiling tiles vs. older).
- 6) There are another 33 locations on the GFL and 1FL alone with ACM piping observed to be in a "damaged" condition, which presents a lower level of risk than "significantly damaged" from a qualitative standpoint; additional micro-vacuum sampling would be needed to confirm quantitatively

## **TEM MICROVACUUM SAMPLING – CONCLUSIONS & RECOMMENDATIONS**

As previously discussed, there is no regulatory set of standards which govern findings from this type of measurement. However, Industrial Hygiene professionals in the asbestos consulting field have been using this ASTM micro-vacuum sample method for decades and have developed a relative scale of surface loading concentrations from which a contamination rating can be inferred with respect to how

a given situation compares with the multitude of other samples collected over time throughout the country in various sets of circumstances (i.e. asbestos piping kept in great condition would typically fall into the “Low” or “None Detect” category; asbestos piping in a severely damaged condition would typically fall into the “High” category; etc.).

It’s important to note, however, that there are no solid inferences one can make with respect to what health risk these surface dust contamination levels equate to as it pertains to airborne exposure potential. There are typically far too many variables at play in any given situation in order to reliably predict an airborne exposure level resulting from these conditions that can be compared with the OSHA PEL, or any other standard for airborne asbestos fibers.

However, it’s worth noting that from a purely subjective standpoint, when a laboratory reports a surface dust loading concentration of around 1,500 s/cm<sup>2</sup>, it *roughly* correlates to the fiber loading a TEM air clearance sample would present when at or near the standard AHERA-TEM air clearance limit (also adopted by the VA) of 70 s/cm<sup>2</sup>. That is to say, that if one took an air sample to clear an asbestos containment, and it presented the same asbestos fiber loading pattern as a micro-vacuum surface dust sample result reported at around 1,500 s/cm<sup>2</sup>, it would *likely* exceed the AHERA-TEM clearance criteria, the containment would fail and ordered to be recleaned. Again, this is not a direct correlation, but it gives users of this data an idea of what the level of risk is associated with surface dust contaminated with asbestos at varying levels. As such, when we observe surface dust loadings with asbestos contamination in the 10,000 to 100,000 s/cm<sup>2</sup> range (and beyond), it more or less suggests that if one tried to “clear” that area in the same way that Industrial Hygiene Professionals clear an asbestos containment, it would mostly likely fail.

A conservative approach would suggest that any condition believed in excess of around 1,500 s/cm<sup>2</sup> range would represent what the VA might typically consider an “unacceptable condition”, as per standard VA/AHERA-TEM clearance sampling protocols.

Furthermore, it should be noted that while some micro-vacuum sample results showed low or none-detect levels of asbestos in surface dusts, it was also noted that the drop ceiling grid system consists of individual tiles that were replaced/changed out in some locations, which from an asbestos fiber loading perspective, would “reset” the fiber concentration counts and suggest a lower level is present throughout that area than what might actually be present in a nearby surface area which was not replaced. For example, if a given room has ACM piping in significantly damaged condition, causing asbestos fibers to release and spread to the tiles below over a span of years, but at some point a tile (or more) is replaced due to warping/staining. During micro-vacuum sampling efforts, inspectors might randomly select that same ceiling tile for sampling that was just replaced instead of the other tiles around it which have not been replaced. This possibility may have contributed to the erratic nature of the surface dust sampling results observed between areas exhibiting notable degradation of asbestos piping insulation, with tiles from “significantly damaged” areas showing “none-detected” in some cases, but then showing “heavy” contamination in other areas with very similar levels of piping degradation. One would assume that significantly damaged pipe insulation above ceiling tiles would, generally speaking, contribute to surface dust contamination equally for the ceiling tiles beneath.

As such, it is our recommendation that all areas/rooms that have been visually identified/classified/reported above as “significantly damaged” are to be presumed as having



contaminated drop ceiling tiles in the room beneath, and that those tiles (and their grid systems) are to be replaced when the VA proceeds with abating said piping insulation within a given room. This approach offers the VA a conservative solution from a health risk management standpoint, but also may offer some economic advantages with respect to capitalizing on required contractor mobilizations, access to piping and final cleanup requirements.

*It should be noted that the Poplar Bluff VAMC Facilities Department initiated a large-scale remediation project within targeted areas of Building 1 in early April 2018 in which a licensed asbestos abatement contractor was engaged to remediate the conditions noted within this report, and in some cases removal of additional asbestos materials, with field efforts extending through October 2018, and possibly beyond. The scope of this work was developed and overseen by Jurgiel & Associates. At the time of this report, Riverfront has been made aware of completed remediation efforts in spaces outlined within the Jurgiel Abatement Progress Table provided by Jurgiel & Associates, and attached to this report as Appendix B. The information contained within this Abatement Progress Table with respect to asbestos piping insulation removal has been reflected within the Riverfront 2018 Poplar Bluff VA Medical Center Facility Asbestos Re-Inspection Report for Building 1.*

Thank you for allowing Riverfront Safety & Health, LC to assist with this project. Should you have any questions, please feel free to contact us.

Sincerely,

Riverfront Safety & Health, LC



Justin R. Rhyneer, CIH  
Owner/Managing Principal

Attachments:

Appendix A: Lab Reports – TEM Micro-vacuum Sampling Results

Appendix B: Jurgiel & Associates - Abatement Progress Table – Building 1 Remediation

## **APPENDIX A**

### **Batta Laboratories, Inc. Lab Reports**

## **APPENDIX B**

### **Jurgiel & Associates 2018 Damaged Asbestos Piping Repair Project Progress Summary (Oct)**

# Abatement Progress Table



**Project: VAPB Abate Damaged Asbestos**

Room Number	Description	Notes	Ceiling Square Footage	ACM Pipe Insulation Abated	Dates of Abatement	Date Room Cleared
2	Waiting Room	--	140	55	4/11/18 & 4/12/18	4/12/2018
45A	Conference Room	Do Room 45A Before Room 30	683	160	4/9/18 to 4/11/18	4/11/2018
46	Bathroom	Ceiling Good	128	2	4/11/18	4/11/2018
30	Coumadin Clinic	--	375	50	4/23/18 & 4/24/18	4/24/2018
73	Previously Abated	--	--	--	--	--
1st Floor	Hallway between A&D Wing	Weekend	--	4	6/2/18	6/2/2018
1027A	Pyxis Room	--	110	5	5/15/18 & 5/16/18	5/16/2018
1041 C & 1040C	Women's Health Exam Room	--	238	50	5/14/18 & 5/15/18	5/15/2018
1153	Health Eligibility	Weekend Work	130	4	6/21/18	6/22/2018
1156	C&P Exam Room	Weekend Work	145	65	6/5/18 and 6/6/18	6/6/2018
1162	C&P Office Bathroom	Weekend Work	55	7	6/4/18 and 6/5/18	6/5/2018
1163	GC Added on 5/4/18	Weekend Work	210	22	6/4/18 and 6/5/18	6/5/2018
1079	--	--	--	--	--	--
1081	Oxygen Storage	Weekend	65	10	6/22/18	6/22/2018
1085	Loading Dock	Weekend	285	78	6/22/18	6/22/2018

# Abatement Progress Table



Project: VAPB Abate Damaged Asbestos

Room Number	Description	Notes	Ceiling Square Footage	ACM Pipe Insulation Abated	Dates of Abate.	Date Room Cleared
2nd Floor	Hallway at 2065	Weekend Work	--	2	6/2/18	6/2/2018
2114	Pipe-Chase - GC Add on	Pipe-Chase	--	50	9/17/18	9/18/2018
2121	Conference Room	Abatement of 1,040 sf of Floor Tile & Mastic	1,040	195	9/4/2018 to 9/5/18 & 9/11/18 to 9/13/18	9/17/2018
2030	X-Ray Room	Ceiling Good	230	24	5/7/18	5/8/2018
2027	Radiology Work Room	Ceiling Good	212	85	5/8/18	5/9/2018
2071	Canteen Kitchen	--	465	23	4/16/18	4/16/2018
2070	Canteen	--	2240	146	4/17/18 & 4/18/18	4/19/18
2075	Employee Break Room	Ceiling Good	400	85	5/21/18 & 5/22/18	5/23/2018
2076	Canteen Office	--	120	30	5/9/18	5/10/2018
2077B & 2076 (1 of 3)	GC Add on	Abatement of 80 sf of Floor Tile & Mastic	400	20	7/24/18 & 7/25/18	7/26/2018
2077 and 2077A, & 2077C (3 of 3)	GC add on	Abatement - 240 sf Transite & 360 sf ACM Floor Tile & Mastic	--	--	9/7/18 to 9/11/18	9/11/2018
2078A	Voluntary Services Office	Abatement of 520 sf of ACM Floor Tile & Mastic	520	100	4/30/18 to 5/2/18	5/3/2018
2079	GC Add on	90 sf Floor Tile & Mastic	90	60	8/6/18 to 8/8/18	8/9/2018
2079	GC Add on	20 sf of ACM Black Mastic	--	1 lf	8/21/18	8/22/2018

# Abatement Progress Table



Project: VAPB Abate Damaged Asbestos

Room Number	Description	Notes	Ceiling Square Footage	ACM Pipe Insulation Abated	Dates of Abate.	Date Room Cleared
3054		150 sf FT/Matic over Carpet			9/18/2018 to ??	
3119	Women's Bathroom-Pipe Chase	Clean ACM Pipe Insulation Debris from 3119 Pipe-Chase	--	25	9/6/18 and 9/7/18	9/10/2018
3138	Provider Exam Room	Ceiling Good	135	14	5/30/18 & 5/31/18	5/31/2018
3155	Specialty Clinic Check-in	Gross- Removal	290	8	5/29/18 & 5/30/18	5/30/2018
3094 and 3094A	Break-out room	Plaster Ceiling	485	60 lf	7/30/18 to 8/1/18	8/2/2018
4105 (Originally 4106)	Nurses Station Refrigerated Storage	Ceiling Good	75	10	5/16/18	5/16/2018
5007	Overnight Doctor's Apt. RR	Ceiling Good	110	4	5/17/18	5/17/2018
5051	--	--	--	--	--	--
5074/5074A	Mental Health Nurse Intake	--	310	8	6/2/18	6/2/2018
5077	--	--	--	--	--	--
Bold Red - ACM Abated						
Work Taken Off Schedule by GC						
Scheduled Work Not Completed						
Abatement In-Progress						