



**Adelaide Environmental Health Associates, Inc.**

**COMPREHENSIVE SURVEY FOR ASBESTOS CONTAINING  
MATERIALS**

*PERFORMED AT:*

**Building 76  
Veterans Affairs Medical Center  
1970 Roanoke Blvd  
Salem, Virginia 24153  
Adelaide Project No. VAMC: 10079.00-IN**

*PREPARED FOR:*

**Department of Veterans Affairs  
Veterans Affairs Medical Center  
1970 Roanoke Blvd  
Salem, Virginia 24153**

*PREPARED BY:*

**Adelaide Environmental Health Associates, Inc.  
1511 Route 22, Suite C24  
Brewster, New York 10509**

*DATED:*

**June 28, 2010**

**Submitted by:**

**Stephanie A. Soter  
President**

# **COMPREHENSIVE SURVEY FOR ASBESTOS CONTAINING MATERIALS**

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## **1.0 BACKGROUND/PURPOSE**

Adelaide Environmental Health Associates, Inc. (Adelaide) was retained by The Department of Veterans Affairs Medical Center to conduct a comprehensive asbestos containing material (ACM) survey at the VA Medical Center (VAMC) in Salem, Virginia. This survey was based on the terms and conditions of Adelaide's proposal: VA-246-10-RQ-0293, dated April 19<sup>th</sup>, 2010. The survey was performed to meet the needs of the VAMC to have a room by room inspection of each building owned and operated by the facility, so it can be determined which rooms are asbestos free and which rooms have ACM. All interior and exterior accessible spaces were inspected for the presence of friable and non-friable ACM. Inspection activities conform to the requirements of the Environmental Protection Agency (EPA) Asbestos Hazard Emergency Response Act (AHERA) (40 CFR Part 763), OSHA, all other state, local and VA requirements. Adelaide met with Cary Schiltz, the VAMC Industrial Hygienist, and discussed building history; reviewed asbestos abatement projects and the most recent asbestos survey performed in the facility. This asbestos inspection report provided by the VAMC contained limited sample results for each building at the Salem VAMC. Adelaide was able to utilize this report to reduce the amount of redundant sampling but also to allow a thorough room by room three (3) year AHERA asbestos survey, as required by VAMC. Additional sampling was performed in areas in order to provide the VAMC with the most up to date comprehensive survey of each building on the property. The asbestos survey was performed from June 7 – 18, 2010 by Adelaide representative Robert See (certified asbestos inspector).

## **2.0 EXECUTIVE SUMMARY OF INSPECTION RESULTS**

Building 76 is located on the VAMC campus located at 1970 Roanoke Blvd, Salem, Virginia 24153. It is a two story structure with a basement and attic, constructed of brick and built circa 1944. Following the scope of work that was provided from the VAMC, Adelaide inspected all accessible areas of Building 76. At the request of Cary Schiltz of Salem VAMC, no roof testing was conducted which could jeopardize water tightness and integrity; therefore all roofing materials are assumed asbestos containing materials until testing can prove otherwise. Adelaide collected thirty-nine (39) asbestos samples from the above-mentioned areas. Based on the results of Adelaide's asbestos survey and the limited survey and sample results provided by the facility, the following building materials were found to contain asbestos and are represented in the following Table 2.0 – Summary of Asbestos Containing Materials. All materials which tested negative for asbestos can be found in the Negative Material List. Refer to Appendix A for a tabular room by room listing which assesses the condition of each PACM as found at the time of this survey.

**Table 2.0 - Summary of Asbestos Containing Materials**

Material	Approximate Quantity	Locations Of Material	Asbestos Content and Type
<b>Basement Floor Samples</b>			
Mastic Layer Back		Rooms 1, 1A, 1B, 2, 2A, 2B, 8, 9,	3% - 4% Chrysotile
9x9 Floor Tile Rose	498 SF	Rooms 1B, 2A, 2B,	5% Chrysotile
12x12 White w/ Short Gray Streaks	137 SF	Room 1	known positive due to manufacturing packaging as Vinyl Asbestos Tile
Door Caulk Greenish Beige	60 LF	At Exterior Doors	4% Chrysotile
9x9 Floor Tile Light Brown with Beige and Red Streaks	408 SF	Rooms 1A, 1B, 2, 2B, 8,	5% Chrysotile
TSI 1" Gray, White, Beige Pipe Insulation	20 LF	Rooms 2A, 8,	15% Chrysotile
TSI 1" Elbow Mud Gray & White	6 Fittings	Rooms 2, 2A, 8	20% Chrysotile
TSI 2" Beige & White Pipe Insulation	10	Room 2	20% - 50% Chrysotile
TSI 2" Beige, White & Tan Pipe Insulation	43 LF	Room 9, 9A	35% Chrysotile & 15% Amosite
TSI 2" Elbow Mud Gray & White	17 Fittings	Room 2, 9, 9A	10% - 20% Chrysotile

First Floor Samples			
Mastic Layer Back	159 SF	Rooms 108, 109A	3% - 4% Chrysotile
12x12 White w/ Short Gray Streaks	159 SF	Rooms 108, 109A	known positive due to manufacturing packaging as Vinyl Asbestos Tile
Window and Door Caulk Dry Dark Gray	300 LF	Room 125A	4% Chrysotile
Second Floor Samples			
Mastic Layer Black		Rooms 201, 201A, 204, 205, 206, 207, 208, 209, 210, 210A, 211, 212, 212B, 212C, 212D, 213, 217, 218, 219, 220, 225, 226, 227, 228, 229, 229A, 230, 231, 233, 244 And Hallways 238, 239, 240, 241, 242, 243, 244, 245	3% - 4% Chrysotile
6"x12" Floor Tile Brown	35 SF	Room 206, 228	4% Chrysotile
9x9 Floor Tile Brown	363 Sf	Rooms 206, 228	4% Chrysotile
9x9 Floor Tile Cream with Multi Color Streaks	685 SF	Room 201, 210	4% Chrysotile
9x9 Floor Tile Light Brown with Beige and Red Streaks	2841 SF	Rooms 212, 212B, 212C, 212D, 227	4% Chrysotile
Attic Level Samples			
Elevator Brake Pads	2 Pads	Attic Mechanical Room	Assumed unable to sample

\*Quantity observed

Based on our field observations, asbestos containing pipe insulation may be present within walls, above plaster ceilings and inside enclosed pipe chases.

### **Positive Homogenous Material List**

The following is a list of the homogenous areas that tested positive during this inspection:

- #5 – 9x9 Floor Tile Light Brown with Beige and Red Streaks
- #6 – Mastic Layer Back under 9x9 Floor Tile light Brown with Beige and Red Streaks, 9x9 Floor Tile Cream with Multi Color Streaks, 9x9 Floor Tile Cream with Multi Colored Streaks and Under 12x12 Floor Tile Cream with Tan and Brown and Gray Streaks
- #7 – 9x9 Floor Tile Rose
- #9 – Window and Door Caulk Dry Dark Gray
- #13 - 9x9 Floor Tile Cream with Multi Color Streaks
- # 21 – Door Caulk Greenish Beige
- #41 – 9x9 Floor Tile Orange
- #42 – TSI 1" Gray, White, Beige Pipe Insulation
- #43 – TSI 2" Beige & White Pipe Insulation
- #44 – TSI 2" Beige, White & Tan Pipe Insulation
- #45 – TSI 1" Elbow Mud Gray & White
- #46 – 12x12 Floor Tile Gray
- #47 – 6"x12" Floor Tile Brown
- #48 – 9x9 Floor Tile Brown
- #49 – TSI 2" Elbow Mud Gray & White
- #50 - 12x12 White w/ Short Gray Streaks (known positive due to manufacturing packaging as Vinyl Asbestos Tile) (See photo in Appendix D)
- #51 - 9x9 Floor Tile light Brown with Beige and Red Streaks

### **Negative Material List**

The following is a list of the homogeneous areas that tested negative during this inspection:

- 2'x2' Ceiling Tiles Beige & White
- Wall Plaster
- Ceiling Plaster
- 9x9 Floor Tile Brown with light Beige Streaks
- 12x12 Floor Tile Beige
- 12x12 Floor Tile Cream with Tan and Brown and Gray Streaks

- 12x12 Floor Tile
- 12x12 Floor Tile Green with Gray Streaks
- 12x12 Floor Tile White with Black Specks
- Drywall Walls
- 2'x2' Ceiling Tiles Beige & White
- 2'x4' Ceiling Tiles Beige & White
- Carpet Mastic Brown
- Brick Mortar

### **3.0 ASBESTOS FIELD PROCEDURES AND ANALYSIS METHODOLOGY**

#### **3.1 INSPECTION**

Guidelines used for the inspection were established by the U.S. Environmental Protection Agency (EPA) in the Guidance for Controlling Asbestos Containing Materials in Buildings, Office of Pesticides and Toxic Substances, DOC# 560/5-85-024 and 40 CFR Part 763, Asbestos Hazard Emergency Response Act (AHERA). Field information was organized as per the AHERA concept of a homogeneous area (HA); that is, suspect Asbestos Containing Materials (ACM) with similar age, appearance, and texture were grouped together, sampled and assessed for condition.

For the purposes of this inspection, suspect ACM has been placed in three material categories: thermal, surfacing, and miscellaneous.

Surfacing materials are those that are sprayed on, troweled on or otherwise applied to surfaces for fireproofing, acoustical, or decorative purposes (e.g., wall and ceiling plaster).

Thermal materials are those applied to heat pipes or other structural components to prevent heat loss or gain or prevent water condensation (e.g., pipe and fitting insulation, duct insulation, boiler flue).

Miscellaneous materials are interior building materials on structural components, structural members or fixtures, such as floor and ceiling tiles, etc. and do not include surfacing material or thermal system insulation.

#### **3.2 SAMPLING**

##### **SURFACING MATERIALS**

Surfacing materials were grouped into homogeneous sampling areas. A homogeneous area contains material that is uniform in color and texture and appears identical in every other respect. Materials installed at different times belong to different sampling areas. Homogeneous areas were determined on per floor basis.

The following protocol was used for determining the number of samples to be collected:

- At least three bulk samples were collected from each homogeneous area that is 1,000 square feet or less.
- At least five bulk samples were collected from each homogeneous area that is greater than 1,000 square feet but less than or equal to 5,000 square feet.
- At least seven bulk samples were collected from each homogeneous area that is greater than 5,000 square feet.

#### THERMAL SYSTEM INSULATION (TSI)

The concept of homogeneous sampling areas applies equally well to thermal insulation as to surfacing material. A "typical" building may contain multiple insulated pipe runs from any combination of the following categories:

- Hot water supply and/or return
- Cold water supply
- Chilled water supply
- Steam supply and/or return
- Roof or system drain

The following protocol was used for determining the number of samples to be collected.

- Collect at least three bulk samples from each homogeneous area of thermal system insulation.
- Collect at least one bulk sample from each homogeneous area of patched thermal system insulation if the patched section is less than 6 linear or square feet.
- In a manner sufficient to determine whether the material is ACM or not ACM, collect a minimum of three bulk samples from each homogeneous insulated mechanical system tee, elbow, and valve.

Bulk samples are not collected from any homogeneous area where the certified inspector has determined that the thermal system insulation is fiberglass, foam glass, or rubber.

#### MISCELLANEOUS MATERIALS

Miscellaneous materials are grouped into different homogeneous areas and at least two bulk samples are collected from each homogeneous area as per the clarification letter from the EPA and the Professional Abatement Contractors of New York, Inc in November of 2007.



### 3.3 ANALYSIS

Adelaide utilized AmeriSci laboratory in Richmond, VA for all bulk samples collected. AmeriSci holds accreditation from the National Institute of Standards and Technology (NIST) under the National Voluntary Laboratory Accreditation Program (NVLAP). Bulk samples of suspect ACM were analyzed by Polarized Light Microscopy (PLM) with dispersion staining, as described in 40 CFR Part 763 and the National Emissions Standard for Hazardous Air Pollutants (NESHAPS). All NOB samples were analyzed by utilizing PLM methodology.

### 4.0 CONCLUSIONS AND RECOMMENDATIONS

This survey concluded that the materials listed in Table 2.0 – Summary of Asbestos Containing Materials, tested ***positive for the presence of:***

*Asbestos: These areas must be abated prior to building demolition or renovation if they are to be disturbed.*

### 5.0 AREAS NOT ACCESSIBLE

Adelaide Environmental Health Associates inspected and sampled materials which were visible and/or accessible to the survey team. Adelaide does not inspect physically inaccessible areas, such as between walls, above fixed ceilings, under concrete slabs, etc. This report makes no representations as to the content of these areas or materials.

All materials present in those not accessible areas shall be assumed positive until tested.

### 6.0 REPORT CERTIFICATIONS

Adelaide Environmental Health Associates certifies that the information contained herein is based on the physical and visual inspections conducted by Adelaide and data collected during the inspection survey.

**APPENDIX A**

**TABULAR LIST OF POSITIVE**

**MATERIALS BY ROOM**

## APPENDIX A - TABULAR LIST OF POSITIVE MATERIALS BY ROOM

Space #	Homogenous Area	Material Description	Quantity	Condition Response Action
Exterior Doors	21	Door Caulk Greenish Beige	60 LF	Damaged/Remove/Required
1	6	Mastic Black	440 SF	Good/Defer Action/None Required
	50	12x12 White w/ Short Gray Streaks	440SF	Good/Defer Action/None Required
1A	6	Mastic Black	29 SF	Good/Defer Action/None Required
	51	9x9 Floor Tile Light Brown with Beige and Red Streaks	29 SF	Good/Defer Action/None Required
1B	6	Mastic Black	29 SF	Good/Defer Action/None Required
	7	9x9 Floor Tile Rose	18 SF	Good/Defer Action/None Required
	51	9x9 Floor Tile Light Brown with Beige and Red Streaks	11	Good/Defer Action/None Required
2	6	Mastic Black	459 SF	Good/Defer Action/None Required
	51	9x9 Floor Tile Light Brown with Beige and Red Streaks	459 SF	Good/Defer Action/None Required
	<b>45</b>	<b>TSI 1" Elbow Mud Gray &amp; White</b>	<b>2 Fittings</b>	<b>Damaged/Remove/Required</b>
	43	TSI 2" Beige & White Pipe Insulation	10 LF	Good/Defer Action/None Required
	49	TSI 2" Elbow Mud Gray & White	6 Fittings	Good/Defer Action/None Required
2A	6	Mastic Black	314 SF	Good/Defer Action/None Required
	7	9x9 Floor Tile Rose	314 SF	Good/Defer Action/None Required
	42	TSI 1" Gray, White, Beige Pipe Insulation	60 LF	Good/Defer Action/None Required
	45	TSI 1" Elbow Mud Gray & White	17 Fittings	Good/Defer Action/None Required
2B	6	Mastic Black	175 SF	Good/Defer Action/None Required
	7	9x9 Floor Tile Rose	170 SF	Good/Defer Action/None Required
	51	9x9 Floor Tile Light Brown with Beige and Red Streaks	5 SF	Good/Defer Action/None Required
8	6	Mastic Black	229 SF	Good/Defer Action/None Required
	51	9x9 Floor Tile Light Brown with Beige and Red Streaks	229 SF	Good/Defer Action/None Required
	42	TSI 1" Gray, White, Beige Pipe Insulation	40 LF	Good/Defer Action/None Required

## APPENDIX A - TABULAR LIST OF POSITIVE MATERIALS BY ROOM

Space #	Homogenous Area	Material Description	Quantity	Condition Response Action
8	45	TSI 1" Elbow Mud Gray & White	6 Fittings	Good/Defer Action/None Required
9	6	Mastic Black	310 SF	Good/Defer Action/None Required
	44	TSI 2" Beige, White & Tan Pipe Insulation	8 LF	Good/Defer Action/None Required
	49	TSI 2" Elbow Mud Gray & White	5 Fittings	Good/Defer Action/None Required
9A	44	TSI 2" Beige, White & Tan Pipe Insulation	18 LF	Good/Defer Action/None Required
	49	TSI 2" Elbow Mud Gray & White	6 Fittings	Good/Defer Action/None Required
108	6	Mastic Black	77 SF	Good/Defer Action/None Required
	50	12x12 White w/ Short Gray Streaks	77 SF	Good/Defer Action/None Required
109A	6	Mastic Black	82 SF	Good/Defer Action/None Required
	50	12x12 White w/ Short Gray Streaks	82 SF	Good/Defer Action/None Required
125A	9	<b>Window and Door Caulk Dry Dark Gray</b>	300 LF	<b>Damaged/Remove/Required</b>
201	6	Mastic Black	475 SF	Good/Defer Action/None Required
	13	9x9 Floor Tile Cream with Multi Color Streaks	475 SF	Good/Defer Action/None Required
201A	6	Mastic Black	22 SF	Good/Defer Action/None Required
204	6	Mastic Black	159 SF	Good/Defer Action/None Required
205	6	Mastic Black	169 SF	Good/Defer Action/None Required

## APPENDIX A - TABULAR LIST OF POSITIVE MATERIALS BY ROOM

Space #	Homogenous Area	Material Description	Quantity	Condition Response Action
206	6	Mastic Black	259 SF	Good/Defer Action/None Required
	47	6"x12" Floor Tile Brown	60 SF	Good/Defer Action/None Required
	48	9x9 Floor Tile Brown	199 SF	Good/Defer Action/None Required
207	6	Mastic Black	1468 SF	Good/Defer Action/None Required
208	6	Mastic Black	246 FS	Good/Defer Action/None Required
209	6	Mastic Black	68 SF	Good/Defer Action/None Required
210	6	Mastic Black	204 SF	Good/Defer Action/None Required
	13	9x9 Floor Tile Cream with Multi Color Streaks	204 SF	Good/Defer Action/None Required
210A	6	Mastic Black	86 SF	Good/Defer Action/None Required
211	6	Mastic Black	104 SF	Good/Defer Action/None Required
212	6	Mastic Black	140 SF	Good/Defer Action/None Required
	51	9x9 Floor Tile Light Brown with Beige and Red Streaks	140 SF	Good/Defer Action/None Required
212B	6	Mastic Black	826 SF	Good/Defer Action/None Required
	51	9x9 Floor Tile Light Brown with Beige and Red Streaks	826 SF	Good/Defer Action/None Required
212C	6	Mastic Black	220 SF	Good/Defer Action/None Required

# APPENDIX A - TABULAR LIST OF POSITIVE MATERIALS BY ROOM

Space #	Homogenous Area	Material Description	Quantity	Condition Response Action
212C	51	9x9 Floor Tile light Brown with Beige and Red Streaks	220 SF	Good/Defer Action/None Required
212D	6	Mastic Black	220 SF	Good/Defer Action/None Required
	51	9x9 Floor Tile light Brown with Beige and Red Streaks	220 SF	Good/Defer Action/None Required
213	6	Mastic Black	99 SF	Good/Defer Action/None Required
217	6	Mastic Black	115 SF	Good/Defer Action/None Required
218	6	Mastic Black	160 SF	Good/Defer Action/None Required
219	6	Mastic Black	86 SF	Good/Defer Action/None Required
220	6	Mastic Black	60 SF	Good/Defer Action/None Required
225	6	Mastic Black	87 SF	Good/Defer Action/None Required
226	6	Mastic Black	99 SF	Good/Defer Action/None Required
227	6	Mastic Black	1435 SF	Good/Defer Action/None Required
	51	9x9 Floor Tile light Brown with Beige and Red Streaks	1435 SF	Good/Defer Action/None Required
228	6	Mastic Black	104 SF	Good/Defer Action/None Required
	47	6"x12" Floor Tile Brown	19 SF	Good/Defer Action/None Required
	48	9x9 Floor Tile Brown	85 SF	Good/Defer Action/None Required

## APPENDIX A - TABULAR LIST OF POSITIVE MATERIALS BY ROOM

Space #	Homogenous Area	Material Description	Quantity	Condition Response Action
229	6	Mastic Black	236 SF	Good/Defer Action/None Required
229A	6	Mastic Black	84 SF	Good/Defer Action/None Required
230	6	Mastic Black	68 SF	Good/Defer Action/None Required
231	6	Mastic Black	246 SF	Good/Defer Action/None Required
233	6	Mastic Black	284 SF	Good/Defer Action/None Required
244	6	Mastic Black	155 SF	Good/Defer Action/None Required
Hallway 238	6	Mastic Black	282 SF	Good/Defer Action/None Required
Hallway 239	6	Mastic Black	131 SF	Good/Defer Action/None Required
Hallway 240	6	Mastic Black	556 SF	Good/Defer Action/None Required
Hallway 241	6	Mastic Black	113 SF	Good/Defer Action/None Required
Hallway 242	6	Mastic Black	130 SF	Good/Defer Action/None Required
Hallway 243	6	Mastic Black	304 SF	Good/Defer Action/None Required
Hallway 244	6	Mastic Black	155 SF	Good/Defer Action/None Required
Hallway 245	6	Mastic Black	284 SF	Good/Defer Action/None Required

**APPENDIX B**

**ASBESTOS REPORT FORM**





Environmental Health Associates, Inc.

1511 Route 22, Suite C24, Brewster, NY 10509 Tel: 845.278.7710 Fax: 845.278.7750 www.adelaidellc.com

## ASBESTOS REPORT FORM

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 76  
1970 Roanoke Blvd  
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010  
DATE COMPLETED: 6/18/2010  
DATE REPORTED: 6/23/2010  
TOTAL SAMPLE COUNT: 39  
SAMPLE COLLECTOR(S): Robert See

### SERVICES PROVIDED

#### Asbestos Bulk Sampling

PESHOGS NO. / LAB ID NO.	ID	Sample Location, Coordinates Description and Other Comments	Material Type	Friable/ NonFriable	Homogenous ID	TEM %	PLM %	Quantity	Assess Cat.
/110061672-01	1	Floor B - Hallway 19 Outside Room 4- Ceiling Plaster Top Coat White	Surf.	F	1		NAD		G
/110061672-02	2	Floor B - Hallway 19 Outside Room 4- Ceiling Plaster Base Coat Beige	Surf.	F	2		NAD		G
/110061672-03	3	Floor B - Room 2 - 9x9 Floor Tile Brown W/Beige Streaks	Misc.	NF	3		NAD	121 SF	D
/110061672-04	4	Floor B - Room 2 - 9x9 Floor Tile Brown W/Beige Streaks	Misc.	NF	3		NAD	121 SF	D

Misc. - Miscellaneous  
Surf. - Surfacing  
TSI - Thermal System Insulation  
NF - Non-Friable  
F - Friable

NA - Not Analyzed by Method  
NA/PS - Not Analyzed, Positive Stop  
NAD - No Asbestos Detected  
Trace/NAD - Non-Asbestos by Definition  
SD - Significantly Damaged  
D - Damaged  
G - Good  
UK - Unknown

# ASBESTOS REPORT FORM

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 75  
1970 Roanoke Blvd  
Salem, Virginia 24153

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## SERVICES PROVIDED Asbestos Bulk Sampling

PESHOGS NO. / LAB ID NO.	ID	Sample Location, Coordinates Description and Other Comments	Material Type	Friable/ NonFriable	Homogenous ID	TEM %	PLM %	Quantity	Assess Cat.
/110061672-05	5	Floor B - Room 2 - Mastic Layer Brown Under 9x9 Floor Tile Brown W/Beige Streaks	Misc.	NF	4		NAD	121 SF	D
/110061672-06	6	Floor B - Room 2 - Mastic Layer Brown Under 9x9 Floor Tile Brown W/Beige Streaks	Misc.	NF	4		NAD	121 SF	D
/110061672-07	7	Floor B - Room 2 At Door to Room 2A - 9x9 Floor Tile Light Brown w/ Beige & red Streaks	Misc.	NF	5		5% Chrysotile	8 SF	G
/110061672-08	8	Floor B - Room 2 At Door to Room 2A - 9x9 Floor Tile Light Brown w/ Beige & red Streaks	Misc.	NF	5		NA/PS	8 SF	G
/110061672-09	9	Floor B - Room 2 At Door to Room 2A - Mastic Layer Black Under 9x9 Floor Tile Light Brown w/ Beige & red Streaks	Misc.	NF	6		3% Chrysotile	178 SF	G

Misc. - Miscellaneous  
Surf. - Surfacing  
TSI - Thermal System Insulation  
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PESHOGS NO. / LAB ID NO.	ID	Sample Location, Coordinates Description and Other Comments	Material Type	Friable/ NonFriable	Homogenous ID	TEM %	PLM %	Quantity	Assess Cat.
/110061672-10	10	Floor B - Room 2 At Door to Room 2A - Mastic Layer Black Under 9x9 Floor Tile Light Brown w/ Beige & red Streaks	Misc.	NF	6		NA/PS	178 SF	G
/110061672-11	11	Floor B - Room 2A At Door - 9x9 Floor Tile Rose (Mastic same As sample 9-10)	Misc.	NF	7		5% Chrysotile	170 SF	G
/110061672-12	12	Floor B - Room 2A At Door - 9x9 Floor Tile Rose (Mastic same As sample 9-10)	Misc.	NF	7		NA/PS	170 SF	G
/110061672-13	13	Floor 1 - Hallway 137 - 12x12 Floor Tile White w/ Gray Streaks and Dry Back Adhesive	Misc.	NF	8		NAD		G
/110061672-14	14	Floor 1 - Hallway 137 - 12x12 Floor Tile White w/ Gray Streaks and Dry Back Adhesive	Misc.	NF	8		NAD		G

Misc. - Miscellaneous  
Surf. - Surfacing  
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/110061672-15	15	Floor 1 - Porch 125A - Window and Door Caulk Dry Dark Gray	Misc.	NF	9		2% Chrysotile		G
/110061672-16	16	Floor 1 - Porch 125A - Window and Door Caulk Dry Dark Gray	Misc.	NF	9		NA/PS		G
/110061672-17	17	Floor 1 - Porch 125A - Window Glaze Gray	Misc.	NF	10		NAD		G
/110061672-18	18	Floor 1 - Porch 125A - Window Glaze Gray	Misc.	NF	10		NAD		G
/110061672-19	19	Floor 1 - Room 132 - Plaster Wall Top Coat White	Surf.	F	11		NAD		G
/110061672-20	20	Floor 1 - Room 132 - Plaster Wall Base Coat Beige	Surf.	F	12		NAD		G

Misc. - Miscellaneous  
Surf. - Surfacing  
TSI - Thermal System Insulation  
NF - Non-Friable  
F - Friable

NA - Not Analyzed by Method  
NA/PS - Not Analyzed, Positive Stop  
NAD - No Asbestos Detected  
Trace/NAD - Non-Asbestos by Definition  
SD - Significantly Damaged  
D - Damaged  
G - Good  
UK - Unknown

# ASBESTOS REPORT FORM

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 76  
1970 Roanoke Blvd  
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010  
DATE COMPLETED: 6/18/2010  
DATE REPORTED: 6/23/2010  
TOTAL SAMPLE COUNT: 39  
SAMPLE COLLECTOR(S): Robert See

## SERVICES PROVIDED Asbestos Bulk Sampling

PESHOGS NO. / LAB ID NO.	ID	Sample Location, Coordinates Description and Other Comments	Material Type	Friable/ NonFriable	Homogenous ID	TEM %	PLM %	Quantity	Assess Cat.
/110061672-21	21	Floor 2 - Room 210 - 9x9 Floor Tile Cream W/ multi Color Streaks	Misc.	NF	13		4% Chrysotile		G
/110061672-22	22	Floor 2 - Room 210 - 9x9 Floor Tile Cream W/ multi Color Streaks	Misc.	NF	13		NA/PS		G
/110061672-23	23	Floor 2 - Room 210 - Mastic Layer Black 9x9 Floor Tile Cream W/ multi Color Streaks	Misc.	NF	14		4% Chrysotile		G
/110061672-24	24	Floor 2 - Room 210 - Mastic Layer Black 9x9 Floor Tile Cream W/ multi Color Streaks	Misc.	NF	14		NA/PS		G
/110061672-25	25	Floor 2 - Hallway 243 - 12x12 Floor Tile Cream W/ Tan Brown & Gray Streaks	Misc.	NF	15		NAD		G

Misc. - Miscellaneous  
Surf. - Surfacing  
TSI - Thermal System Insulation  
NF - Non-Friable  
F - Friable

NA - Not Analyzed by Method  
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NAD - No Asbestos Detected  
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# ASBESTOS REPORT FORM

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PROJECT LOCATION: Salem VA Medical Center - Building 76  
1970 Roanoke Blvd  
Salem, Virginia 24153

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TOTAL SAMPLE COUNT: 39  
SAMPLE COLLECTOR(S): Robert See

## SERVICES PROVIDED Asbestos Bulk Sampling

PESHOGS NO. / LAB ID NO.	ID	Sample Location, Coordinates Description and Other Comments	Material Type	Friable/ NonFriable	Homogenous ID	TEM %	PLM %	Quantity	Assess Cat.
/110061672-26	26	Floor 2 - Hallway 243 - 12x12 Floor Tile Cream W/ Tan Brown & Gray Streaks	Misc.	NF	15		NAD		G
/110061672-27	27	Floor 2 - Hallway 243 - Mastic Layer Black Under 12x12 Floor Tile Cream W/ Tan Brown & Gray Streaks	Misc.	NF	16		3% Chrysotile		G
/110061672-28	28	Floor 2 - Hallway 243 - Mastic Layer Black Under 12x12 Floor Tile Cream W/ Tan Brown & Gray Streaks	Misc.	NF	16		NA/PS		G
/110061672-29	29	Floor Attic - Air Handler In Elevator Machine Room - Vibration Cloth	Misc.	F	17		NAD		G
/110061672-30	30	Floor Attic - Air Handler In Elevator Machine Room - Vibration Cloth	Misc.	F	17		NAD		G

Misc. - Miscellaneous  
Surf. - Surfacing  
TSI - Thermal System Insulation  
NF - Non-Friable  
F - Friable

NA - Not Analyzed by Method  
NA/PS - Not Analyzed, Positive Stop  
NAD - No Asbestos Detected  
Trace/NAD - Non-Asbestos by Definition  
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# ASBESTOS REPORT FORM

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 76  
1970 Roanoke Blvd  
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DATE RECEIVED: 6/7/2010  
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DATE REPORTED: 6/23/2010  
TOTAL SAMPLE COUNT: 39  
SAMPLE COLLECTOR(S): Robert See

## SERVICES PROVIDED

### Asbestos Bulk Sampling

PESHOGS NO. / LAB ID NO.	ID	Sample Location, Coordinates Description and Other Comments	Material Type	Friable/ NonFriable	Homogenous ID	TEM %	PLM %	Quantity	Assess Cat.
/110061672-31	31	Floor Roof - Flashing Tar	Misc.	NF	18		NAD		G
/110061672-32	32	Floor Roof - Flashing Tar	Misc.	NF	18		NAD		G
/110061672-33	33	Floor Basement - Hallway Near Room 15 Plaster Wall Top Coat White	Surf.	F	11		NAD		G
/110061672-34	34	Floor Basement - Hallway Near Room 15 Plaster Wall Base Coat Beige	Surf.	F	12		NAD		G
/110061672-35	35	Floor Basement - Hallway Near Room 15 Plaster Ceiling Top Coat White	Surf.	F	19		NAD		G
/110061672-36	36	Floor Basement - Hallway Near Room 15 Plaster Ceiling Top Coat White	Surf.	F	20		NAD		G

Misc. - Miscellaneous

Surf. - Surfacing

TSI - Thermal System Insulation

NF - Non-Friable

F - Friable

NA - Not Analyzed by Method  
NA/PS - Not Analyzed, Positive Stop  
NAD - No Asbestos Detected  
Trace/NAD - Non-Asbestos by Definition  
SD - Significantly Damaged  
D - Damaged  
G - Good  
UK - Unknown

# ASBESTOS REPORT FORM

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 76  
1970 Roanoke Blvd  
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010  
DATE COMPLETED: 6/18/2010  
DATE REPORTED: 6/23/2010  
TOTAL SAMPLE COUNT: 39  
SAMPLE COLLECTOR(S): Robert See

## SERVICES PROVIDED Asbestos Bulk Sampling

PESHOGS NO. / LAB ID NO.	ID	Sample Location, Coordinates Description and Other Comments	Material Type	Friable/ NonFriable	Homogenous ID	TEM %	PLM %	Quantity	Assess Cat.
/110061672-37	37	Floor Exterior - Door Caulk Greenish Beige	Misc.	NF	21		4% Chrysotile		D
/110061672-38	38	Floor Exterior - Door Caulk Greenish Beige	Misc.	NF	21		NA/PS		D
/110061672-39	39	Floor Exterior - Brick Mortar Beige	Misc.	F	22		NAD		G

Misc. - Miscellaneous  
Surf. - Surfacing  
TSI - Thermal System Insulation  
NF - Non-Friable  
F - Friable

NA - Not Analyzed by Method  
NA/PS - Not Analyzed, Positive Stop  
NAD - No Asbestos Detected  
Trace/NAD - Non-Asbestos by Definition  
SD - Significantly Damaged  
D - Damaged  
G - Good  
UK - Unknown



**APPENDIX C**  
**ASBESTOS ANALYTICAL RESULTS**  
**AND CHAIN OF CUSTODY FORM**

**AmeriSci Richmond**

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

## PLM Bulk Asbestos Report

Adelaide Environmental Health  
Attn: John Soter  
1454 Rte. 22 Suite B202  
Brewster, NY 10509

**Date Received** 06/22/10 **AmeriSci Job #** 110061672  
**Date Examined** 06/23/10 **P.O. #**  
**Page** 1 **of** 7  
**RE:** VAMC:10079.00-IN; Salem VA Medical Center; Building 76;  
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
1 1	110061672-01 <b>Location:</b> Hallway 19 Outside Room 4 - Ceiling Plaster Top Coat White	<b>No</b>	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
2 2	110061672-02 <b>Location:</b> Hallway 19 Outside Room 4 - Ceiling Plaster Base Coat Beige	<b>No</b>	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Tan, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster) <b>Asbestos Types:</b> <b>Other Material:</b> Animal hair 5 %, Non-fibrous 95 %			
3 3	110061672-03 <b>Location:</b> Room 2 - 9x9 Floor Tile Brown w/Beige Streaks	<b>No</b>	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Brown, Heterogeneous, Non-Fibrous, Floor Tile <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
4 3	110061672-04 <b>Location:</b> Room 2 - 9x9 Floor Tile Brown w/Beige Streaks	<b>No</b>	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Brown, Heterogeneous, Non-Fibrous, Floor Tile <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
5 4	110061672-05 <b>Location:</b> Room 2 - Mastic Layer Brown Under 9x9 Floor Tile Brown w/Beige Streaks	<b>No</b>	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Brown, Heterogeneous, Non-Fibrous, Mastic <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			

Client Name: Adelaide Environmental Health

**PLM Bulk Asbestos Report**VAMC:10079.00-IN; Salem VA Medical Center; Building 76;  
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
6 4	110061672-06 <b>Location:</b> Room 2 - Mastic Layer Brown Under 9x9 Floor Tile Brown w/Beige Streaks	<b>No</b>	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Brown, Heterogeneous, Non-Fibrous, Mastic <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
7 5	110061672-07 <b>Location:</b> Room 2 At Door To Room 2A - 9x9 Floor Tile Light Brown w/Beige & Red Streaks	<b>Yes</b>	5 % (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Beige/Brown, Heterogeneous, Non-Fibrous, Floor Tile <b>Asbestos Types:</b> Chrysotile 5.0 % <b>Other Material:</b> Non-fibrous 95 %			
8 5	110061672-08 <b>Location:</b> Room 2 At Door To Room 2A - 9x9 Floor Tile Light Brown w/Beige & Red Streaks		NA/PS
<b>Analyst Description:</b> Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b>			
9 6	110061672-09 <b>Location:</b> Room 2 At Door To Room 2A - Mastic Layer Black Under 9x9 Floor Tile Light Brown w/Beige & Red Streaks	<b>Yes</b>	3 % (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Black, Heterogeneous, Non-Fibrous, Mastic <b>Asbestos Types:</b> Chrysotile 3.0 % <b>Other Material:</b> Non-fibrous 97 %			
10 6	110061672-10 <b>Location:</b> Room 2 At Door To Room 2A - Mastic Layer Black Under 9x9 Floor Tile Light Brown w/Beige & Red Streaks		NA/PS
<b>Analyst Description:</b> Mastic <b>Asbestos Types:</b> <b>Other Material:</b>			
11 7	110061672-11 <b>Location:</b> Room 2A At Door - 9x9 Floor Tile Rose (Mastic Same As Sample 9-10)	<b>Yes</b>	5 % (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Tan, Heterogeneous, Non-Fibrous, Floor Tile <b>Asbestos Types:</b> Chrysotile 5.0 % <b>Other Material:</b> Non-fibrous 95 %			

Client Name: Adelaide Environmental Health

## PLM Bulk Asbestos Report

VAMC:10079.00-IN; Salem VA Medical Center; Building 76;  
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
12 7	110061672-12 <b>Location:</b> Room 2A At Door - 9x9 Floor Tile Rose (Mastic Same As Sample 9-10)		NA/PS
<b>Analyst Description:</b> Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b>			
13 8	110061672-13 <b>Location:</b> Hallway 137 - 12x12 Floor Tile White w/Gray Streaks and Dry Back Adhesive	<b>No</b>	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Gray/White, Heterogeneous, Non-Fibrous, Floor Tile <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
14 8	110061672-14 <b>Location:</b> Hallway 137 - 12x12 Floor Tile White w/Gray Streaks and Dry Back Adhesive	<b>No</b>	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Gray/White, Heterogeneous, Non-Fibrous, Floor Tile <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
15 9	110061672-15 <b>Location:</b> Porch 125A - Window and Door Caulk Dry Dark Gray	<b>Yes</b>	2 % (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Gray, Heterogeneous, Non-Fibrous, Caulk <b>Asbestos Types:</b> Chrysotile 2.0 % <b>Other Material:</b> Non-fibrous 98 %			
16 9	110061672-16 <b>Location:</b> Porch 125A - Window and Door Caulk Dry Dark Gray		NA/PS
<b>Analyst Description:</b> Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b>			
17 10	110061672-17 <b>Location:</b> Porch 125A - Window Glaze Gray	<b>No</b>	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Gray, Heterogeneous, Non-Fibrous, Window Glazing <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			

Client Name: Adelaide Environmental Health

**PLM Bulk Asbestos Report**VAMC:10079.00-IN; Salem VA Medical Center; Building 76;  
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
18	110061672-18	No	NAD
10	Location: Porch 125A - Window Glaze Gray		(by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Gray, Heterogeneous, Non-Fibrous, Window Glazing <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
19	110061672-19	No	NAD
11	Location: Room 132 - Plaster Wall Top Coat White		(by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
20	110061672-20	No	NAD
12	Location: Room 132 - Plaster Wall Base Coat Beige		(by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Beige, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster) <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
21	110061672-21	Yes	4 %
13	Location: Room 210 - 9x9 Floor Tile Cream w/Multi Color Streaks		(by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Cream, Heterogeneous, Non-Fibrous, Floor Tile <b>Asbestos Types:</b> Chrysotile 4.0 % <b>Other Material:</b> Non-fibrous 96 %			
22	110061672-22		NA/PS
13	Location: Room 210 - 9x9 Floor Tile Cream w/Multi Color Streaks		
<b>Analyst Description:</b> Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b>			
23	110061672-23	Yes	4 %
14	Location: Room 210 - Mastic Layer Black 9x9 Floor Tile Cream w/Multi Color Streaks		(by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Black, Heterogeneous, Non-Fibrous, Mastic <b>Asbestos Types:</b> Chrysotile 4.0 % <b>Other Material:</b> Non-fibrous 96 %			

Client Name: Adelaide Environmental Health

**PLM Bulk Asbestos Report**VAMC:10079.00-IN; Salem VA Medical Center; Building 76;  
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
24 14	110061672-24 <b>Location:</b> Room 210 - Mastic Layer Black 9x9 Floor Tile Cream w/Multi Color Streaks		NA/PS
<b>Analyst Description:</b> Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b>			
25 15	110061672-25 <b>Location:</b> Hallway 243 - 12x12 Floor Tile Cream w/Tan Brown & Gray Streaks	<b>No</b>	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Cream/Tan, Heterogeneous, Non-Fibrous, Floor Tile <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
26 15	110061672-26 <b>Location:</b> Hallway 243 - 12x12 Floor Tile Cream w/Tan Brown & Gray Streaks	<b>No</b>	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Cream/Tan, Heterogeneous, Non-Fibrous, Floor Tile <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
27 16	110061672-27 <b>Location:</b> Hallway 243 - Mastic Layer Black Under 12x12 Floor Tie Cream w/Tan Brown & Gray Streaks	<b>Yes</b>	3 % (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Black, Heterogeneous, Non-Fibrous, Mastic <b>Asbestos Types:</b> Chrysotile 3.0 % <b>Other Material:</b> Non-fibrous 97 %			
28 16	110061672-28 <b>Location:</b> Hallway 243 - Mastic Layer Black Under 12x12 Floor Tie Cream w/Tan Brown & Gray Streaks		NA/PS
<b>Analyst Description:</b> Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b>			
29 17	110061672-29 <b>Location:</b> Air Handler In Elevator Machine Room - Vibration Cloth	<b>No</b>	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Tan/Black, Heterogeneous, Fibrous, Vibration Damper <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 95 %, Non-fibrous 5 %			

Client Name: Adelaide Environmental Health

**PLM Bulk Asbestos Report**VAMC:10079.00-IN; Salem VA Medical Center; Building 76;  
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
30 17	110061672-30 <b>Location:</b> Air Handler In Elevator Machine Room - Vibration Cloth	<b>No</b>	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Tan/Black, Heterogeneous, Fibrous, Vibration Damper <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 95 %, Non-fibrous 5 %			
31 18	110061672-31 <b>Location:</b> Flashing Tar	<b>No</b>	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Black, Heterogeneous, Non-Fibrous, Flashing <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
32 18	110061672-32 <b>Location:</b> Flashing Tar	<b>No</b>	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Black, Heterogeneous, Non-Fibrous, Flashing <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
33 11	110061672-33 <b>Location:</b> Hallway Near Room 15 Plaster Wall Top Coat White	<b>No</b>	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
34 12	110061672-34 <b>Location:</b> Hallway Near Room 15 Plaster Wall Base Coat White	<b>No</b>	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Tan, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster) <b>Asbestos Types:</b> <b>Other Material:</b> Animal hair 5 %, Non-fibrous 95 %			
35 19	110061672-35 <b>Location:</b> Hallway Near Room 15 Plaster Ceiling Top Coat White	<b>No</b>	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			

Client Name: Adelaide Environmental Health

**PLM Bulk Asbestos Report**VAMC:10079.00-IN; Salem VA Medical Center; Building 76;  
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
36 20	110061672-36 Location: Hallway Near Room 15 Plaster Ceiling Base Coat White	No	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Tan, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster) <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
37 21	110061672-37 Location: Door Caulk Greenish Beige	Yes	4 % (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Gray, Heterogeneous, Non-Fibrous, Caulk <b>Asbestos Types:</b> Chrysotile 4.0 % <b>Other Material:</b> Non-fibrous 96 %			
38 21	110061672-38 Location: Door Caulk Greenish Beige		NA/PS
<b>Analyst Description:</b> Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b>			
39 22	110061672-39 Location: Brick Mortar Beige	No	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Tan, Heterogeneous, Non-Fibrous, Cementitious, Mortar <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			

**Reporting Notes:**

Analyzed by: J. Samuel Baird

Date

\*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples (198.6 for NOB samples)(NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By: J. Samuel Baird





Adelaide  
Environmental Health Associates, Inc.

110061672

1511 Route 22, Suite C24, Brewster, NY 10509 Tel:845.278.7710 Fax: 845.278.7750 www.adelaidellc.com

## Chain of Custody

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION:Salem VAMC Bldg 76  
1970 Ronaoka Blvd  
Salem, Virginia 24153

DATE RECIEVED: 6/7/2010  
DATE COMPLETED:6/18/2010  
DATE REPORTED:  
TOTAL SAMPLE COUNT: 39  
SAMPLE COLLECTOR(S): Robert See

Sample ID#	Floor Level	Homogenous Area	Sample Location/Description	Quantity (in feet)	Friable NonFriable	Condition SD, D, G, UK:
1	B	1	Hallway 19 Outside Room 4- Ceiling Plaster Top Coat White		F	G
2	B	2	Hallway 19 Outside Room 4- Ceiling Plaster Base Coat Beige		F	G
3	B	3	Room 2 - 9x9 Floor Tile Brown W/Beige Streaks	121 SF	NF	D
4	B	3	Room 2 - 9x9 Floor Tile Brown W/Beige Streaks	121 SF	NF	D
5	B	4	Room 2 - Mastic Layer Brown Under 9x9 Floor Tile Brown W/Beige Streaks	121 SF	NF	D
6	B	4	Room 2 - Mastic Layer Brown Under 9x9 Floor Tile Brown W/Beige Streaks	121 SF	NF	D

SD - Significantly Damaged | D - Damaged | G - Good | UK - Unknown

Special Instructions/ Turnaround Time:

Relinquished by:

Received by:

Relinquished by:

Received by:

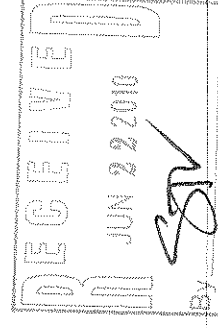
Test by PLM

Stop at 1st Positive per Homogenous Area  
Fax Results to 845-278-7750

E-Mail Results to AdelaideLabResults@adelaidellc.com

72 hr TAT

Robert A. See



# Chain of Custody

110061672 -

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VAMC Bldg 76  
1970 Ronaoka Blvd  
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010  
DATE COMPLETED: 6/18/2010  
DATE REPORTED:  
TOTAL SAMPLE COUNT: 39  
SAMPLE COLLECTOR(S): Robert See

Sample ID#	Floor Level	Homogenous Area	Sample Location/Description	Quantity (in feet)	Friable NonFriable	Condition SD, D, G, UK:
7	B	5	Room 2 At Door to Room 2A - 9x9 Floor Tile Light Brown w/ Beige & red Streaks	8 SF	NF	G
8	B	5	Room 2 At Door to Room 2A - 9x9 Floor Tile Light Brown w/ Beige & red Streaks	8 SF	NF	G
9	B	6	Room 2 At Door to Room 2A - Mastic Layer Black Under 9x9 Floor Tile Light Brown w/ Beige & red Streaks	178 SF	NF	G
10	B	6	Room 2 At Door to Room 2A - Mastic Layer Black Under 9x9 Floor Tile Light Brown w/ Beige & red Streaks	178 SF	NF	G
11	B	7	Room 2A At Door - 9x9 Floor Tile Rose (Mastic same As sample 9-10)	170 SF	NF	G
12	B	7	Room 2A At Door - 9x9 Floor Tile Rose (Mastic same As sample 9-10)	170 SF	NF	G

SD - Significantly Damaged | D - Damaged | G - Good | UK - Unknown

Page 2 of 6

Special Instructions/ Turnaround Time:

Relinquished by:

Received by:

Relinquished by:

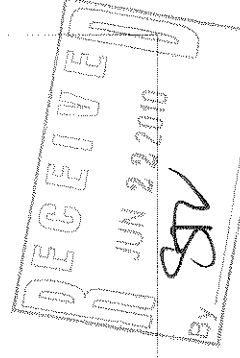
Received by:

Test by PLM

Stop at 1st Positive per Homogenous Area  
Fax Results to 845-278-7750

E-Mail Results to AdelaideLabResults@adelaidelc.com

72 hr TAT



# Chain of Custody

110061672

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VAMC Bldg 76  
1970 Ronaoka Blvd  
Salem, Virginia 24153

DATE RECIEVED: 6/7/2010  
DATE COMPLETED: 6/18/2010  
DATE REPORTED:  
TOTAL SAMPLE COUNT: 39  
SAMPLE COLLECTOR(S): Robert See

Sample ID#	Floor Level	Homogenous Area	Sample Location/Description	Quantity (in feet)	Friable NonFriable	Condition SD, D, G, UK:
13	1	8	Hallway 137 - 12x12 Floor Tile White w/ Gray Streaks and Dry Back Adhesive		NF	G
14	1	8	Hallway 137 - 12x12 Floor Tile White w/ Gray Streaks and Dry Back Adhesive		NF	G
15	1	9	Porch 125A - Window and Door Caulk Dry Dark Gray		NF	G
16	1	9	Porch 125A - Window and Door Caulk Dry Dark Gray		NF	G
17	1	10	Porch 125A - Window Glaze Gray		NF	G
18	1	10	Porch 125A - Window Glaze Gray		NF	G
19	1	11	Room 132 - Plaster Wall Top Coat White		F	G
20	1	12	Room 132 - Plaster Wall Base Coat Beige		F	G
21	2	13	Room 210 - 9x9 Floor Tile Cream W/ multi Color Streaks		NF	G

SD - Significantly Damaged | D - Damaged | G - Good | UK - Unknown

Page 3 of 6

Special Instructions/ Turnaround Time:

Relinquished by:

*Robert See*

Received by:

Relinquished by:

Received by:

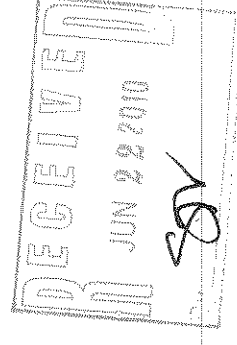
Test by PLM

Stop at 1st Positive per Homogenous Area

Fax Results to 845-278-7750

E-Mail Results to AdelaideLabResults@adelaidellc.com

72 hr TAT



# Chain of Custody

110061672

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VAMC Bldg 76  
1970 Ronaoka Blvd  
Salem, Virginia 24153

DATE RECIEVED: 6/7/2010  
DATE COMPLETED: 6/18/2010  
DATE REPORTED:  
TOTAL SAMPLE COUNT: 39  
SAMPLE COLLECTOR(S): Robert See

Sample ID#	Floor Level	Homogenous Area	Sample Location/Description	Quantity (in feet)	Friable NonFriable	Condition SD, D, G, UK:
22	2	13	Room 210 - 9x9 Floor Tile Cream W/ multi Color Streaks		NF	G
23	2	14	Room 210 - Mastic Layer Black 9x9 Floor Tile Cream W/ multi Color Streaks		NF	G
24	2	14	Room 210 - Mastic Layer Black 9x9 Floor Tile Cream W/ multi Color Streaks		NF	G
25	2	15	Hallway 243 - 12x12 Floor Tile Cream W/ Tan Brown & Gray Streaks		NF	G
26	2	15	Hallway 243 - 12x12 Floor Tile Cream W/ Tan Brown & Gray Streaks		NF	G
27	2	16	Hallway 243 - Mastic Layer Black Under 12x12 Floor Tile Cream W/ Tan Brown & Gray Streaks		NF	G
28	2	16	Hallway 243 - Mastic Layer Black Under 12x12 Floor Tile Cream W/ Tan Brown & Gray Streaks		NF	G

SD - Significantly Damaged | D - Damaged | G - Good | UK - Unknown

Page 4 of 6

Special Instructions/ Turnaround Time:

Relinquished by:

*Robert See*

Received by:

Relinquished by:

Received by:

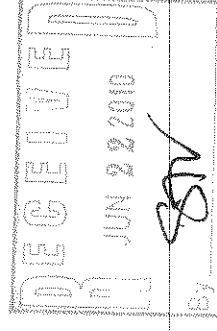
Test by PLM

Stop at 1st Positive per Homogenous Area

Fax Results to 845-278-7750

E-Mail Results to AdelaideLabResults@adelaidellc.com

72 hr TAT



# Chain of Custody

110061672

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VAMC Bldg 76  
1970 Ronaoka Blvd  
Salem, Virginia 24153

DATE RECIEVED: 6/7/2010  
DATE COMPLETED: 6/18/2010  
DATE REPORTED:  
TOTAL SAMPLE COUNT: 39  
SAMPLE COLLECTOR(S): Robert See

Sample ID#	Floor Level	Homogenous Area	Sample Location/Description	Quantity (in feet)	Friable NonFriable	Condition SD, D, G, UK:
29	Attic	17	Air Handler In Elevator Machine Room - Vibration Cloth		F	G
30	Attic	17	Air Handler In Elevator Machine Room - Vibration Cloth		F	G
31	Roof	18	Flashing Tar		NF	G
32	Roof	18	Flashing Tar		NF	G
33	asemen	11	Hallway Near Room 15 Plaster Wall Top Coat White		F	G
34	asemen	12	Hallway Near Room 15 Plaster Wall Base Coat Beige		F	G
35	asemen	19	Hallway Near Room 15 Plaster Ceiling Top Coat White		F	G
36	asemen	20	Hallway Near Room 15 Plaster Ceiling Top Coat White		F	G
37	Exterior	21	Door Caulk Greenish Beige		NF	D
38	Exterior	21	Door Caulk Greenish Beige		NF	D

SD - Significantly Damaged | D - Damaged | G - Good | UK - Unknown

Special Instructions/ Turnaround Time:

Test by PLM

Stop at 1st Positive per Homogenous Area  
Fax Results to 845-278-7750

E-Mail Results to AdelaideLabResults@adelaidellc.com

72 hr TAT

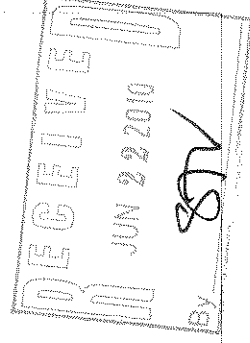
Relinquished by:

Received by:

Relinquished by:

Received by:

*Robert See*



# Chain of Custody

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VAMC Bldg 76  
1970 Ronaoke Blvd  
Salem, Virginia 24153

110061672

DATE RECIEVED: 6/7/2010

DATE COMPLETED: 6/18/2010

DATE REPORTED:

TOTAL SAMPLE COUNT: 39

SAMPLE COLLECTOR(S): Robert See

Sample ID#	Floor Level	Homogenous Area	Sample Location/Description	Quantity (in feet)	Friable NonFriable	Condition SD, D, G, UK:
39	Exterior	22	Brick Mortar Beige		F	G

SD - Significantly Damaged | D - Damaged | G - Good | UK - Unknown

Special Instructions/ Turnaround Time:

Test by PLM

Stop at 1st Positive per Homogenous Area

Fax Results to 845-278-7750

E-Mail Results to AdelaideLabResults@adelaidellc.com

72 hr TAT

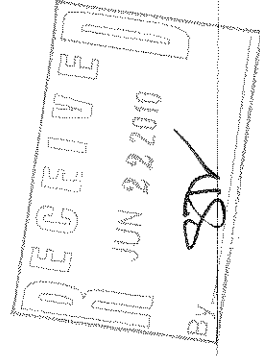
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Robert See

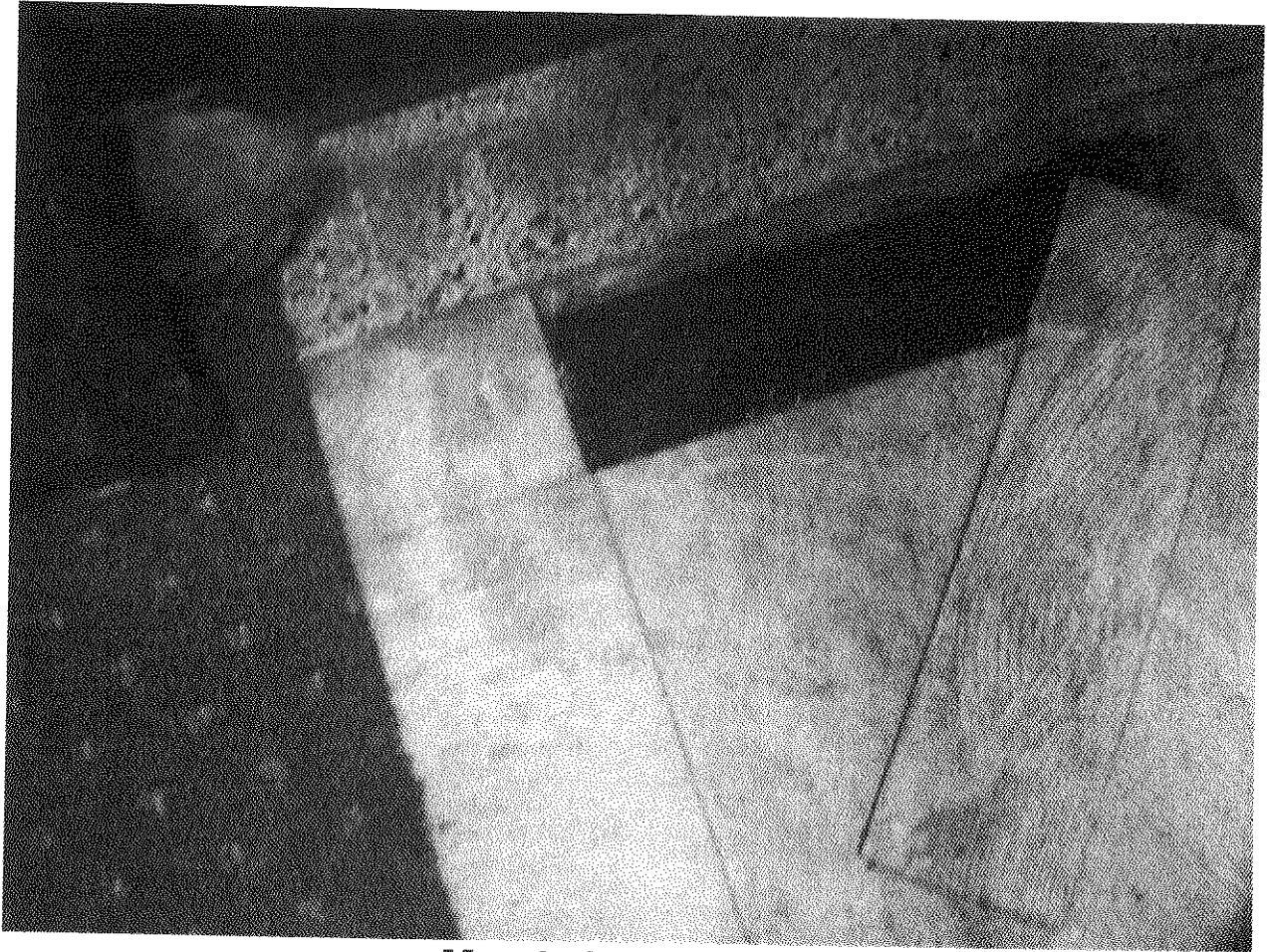
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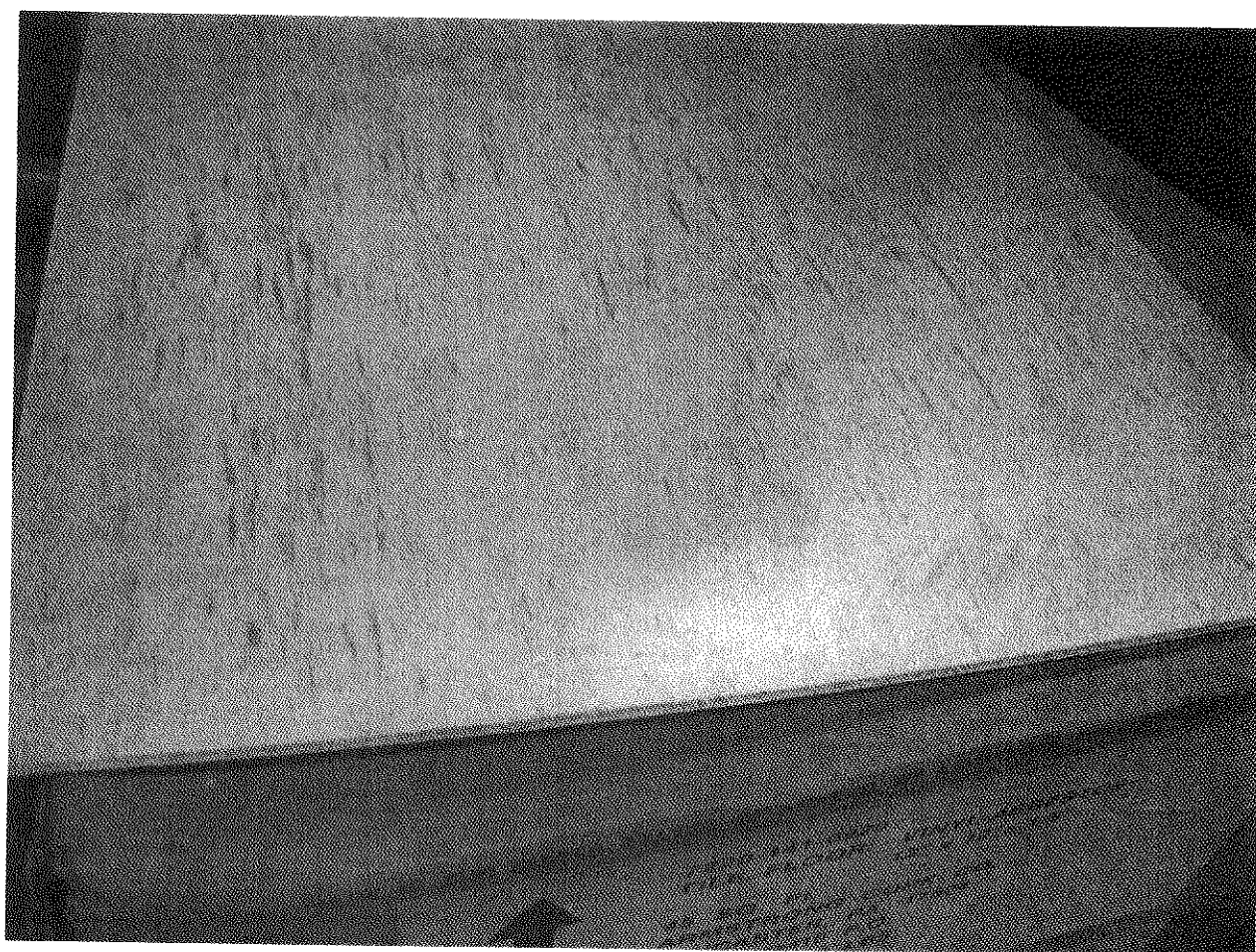


**APPENDIX D**  
**SAMPLE LOCATION MAP**  
**AND PHOTOS**

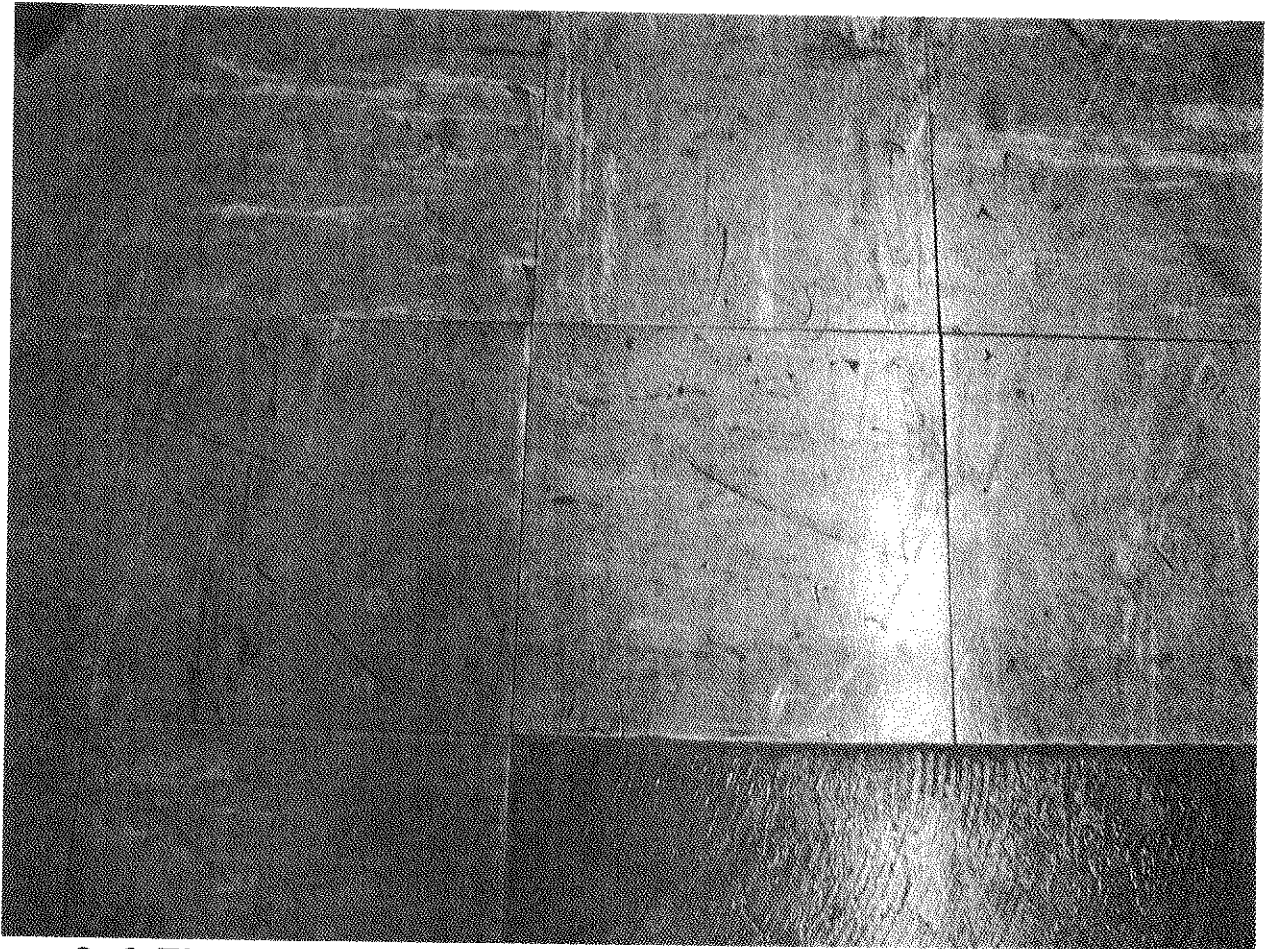


**Mastic Layer Back**

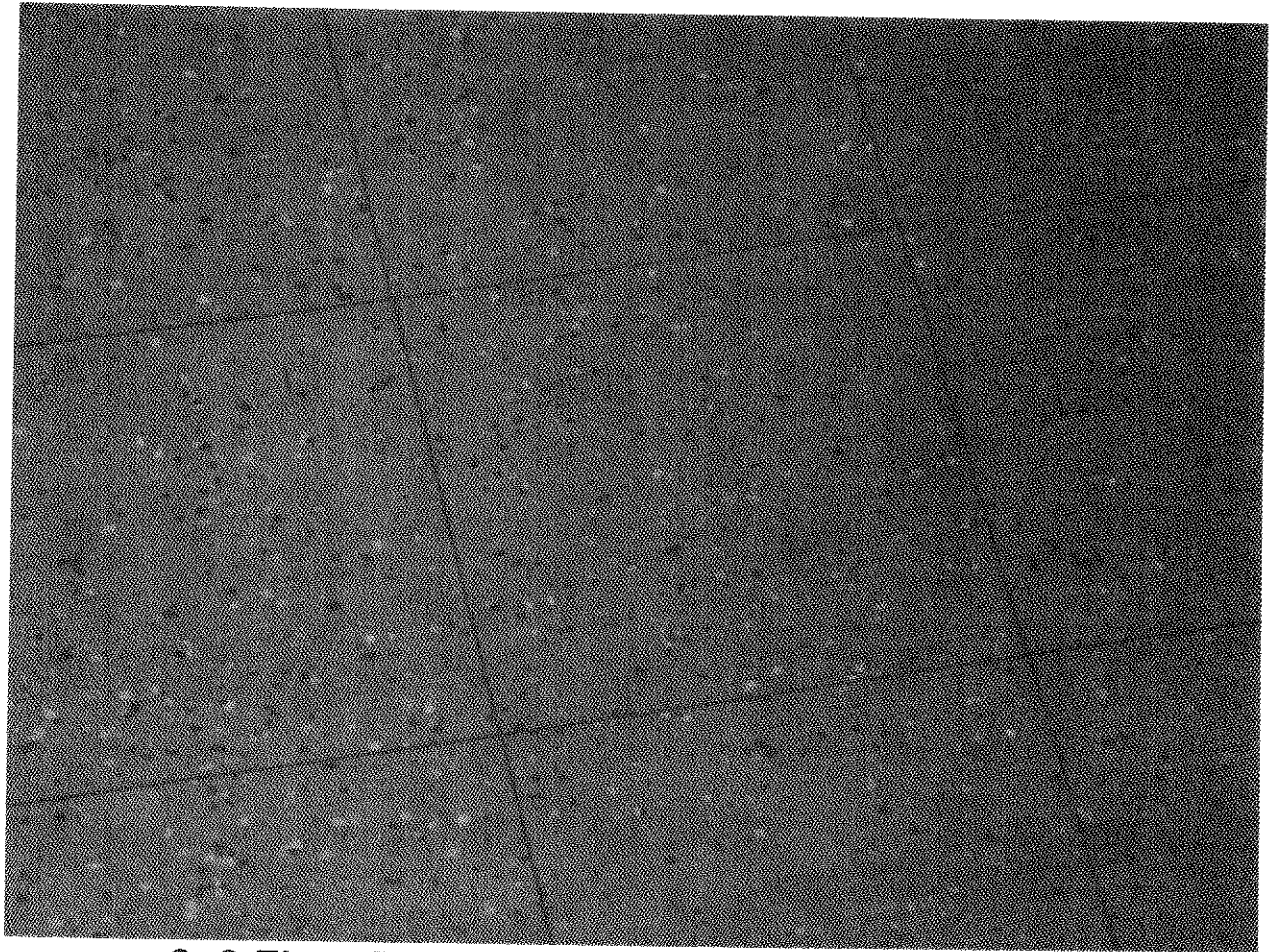




**12x12 White w/ Short Gray Streaks**

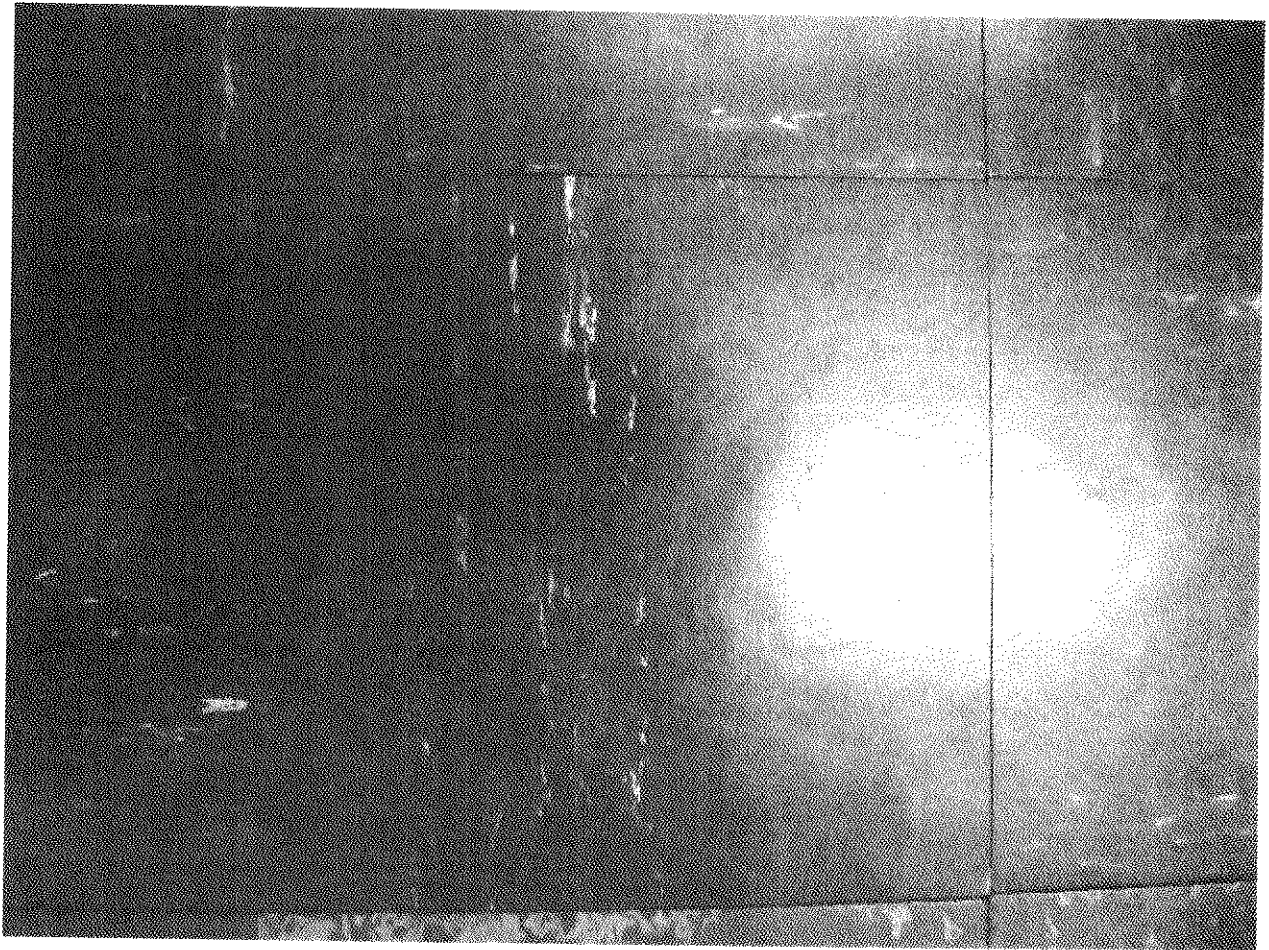


**9x9 Floor Tile Light Brown with Beige and Red Streaks**

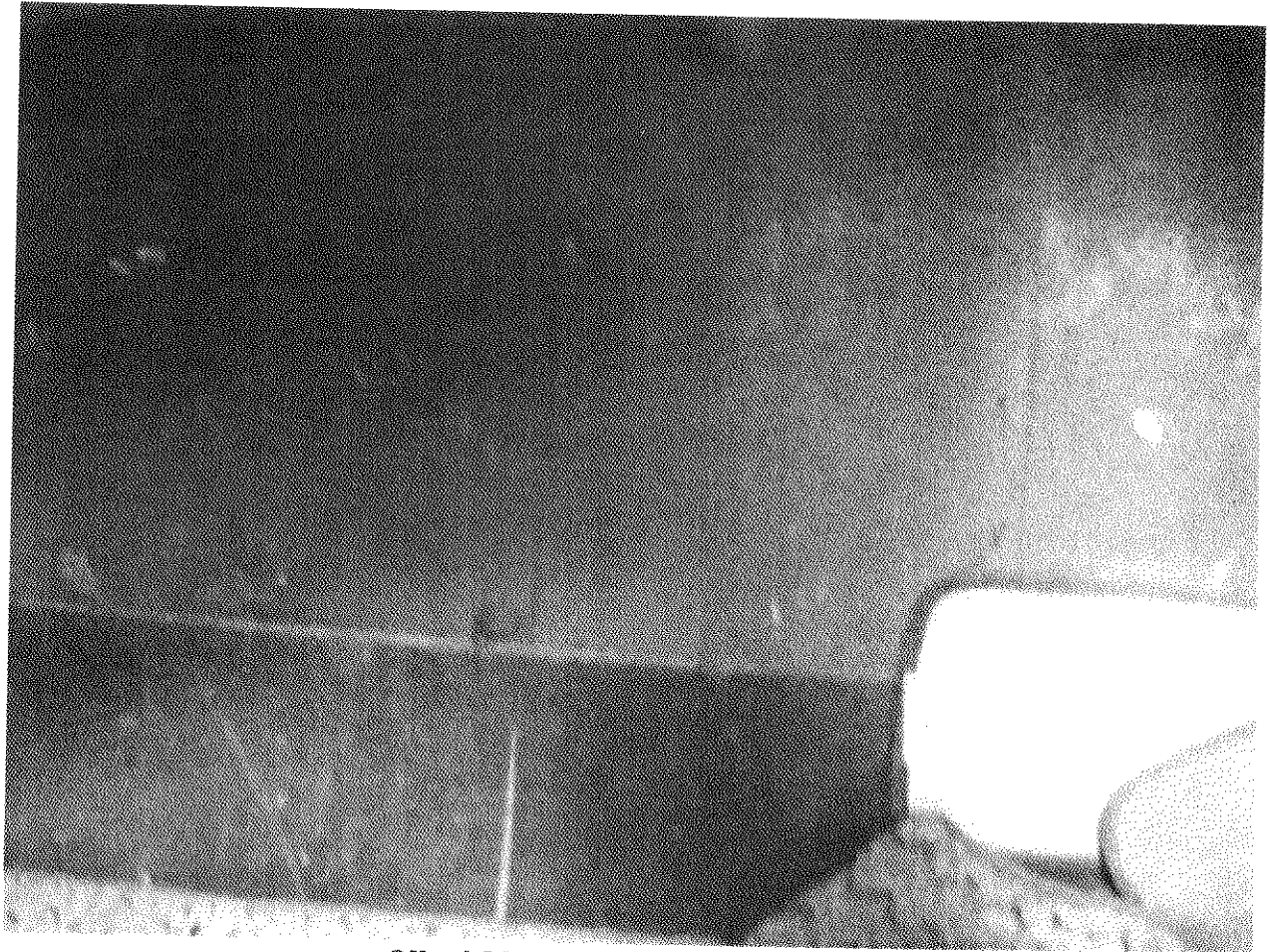


**9x9 Floor Tile Cream with Multi Color Streaks**

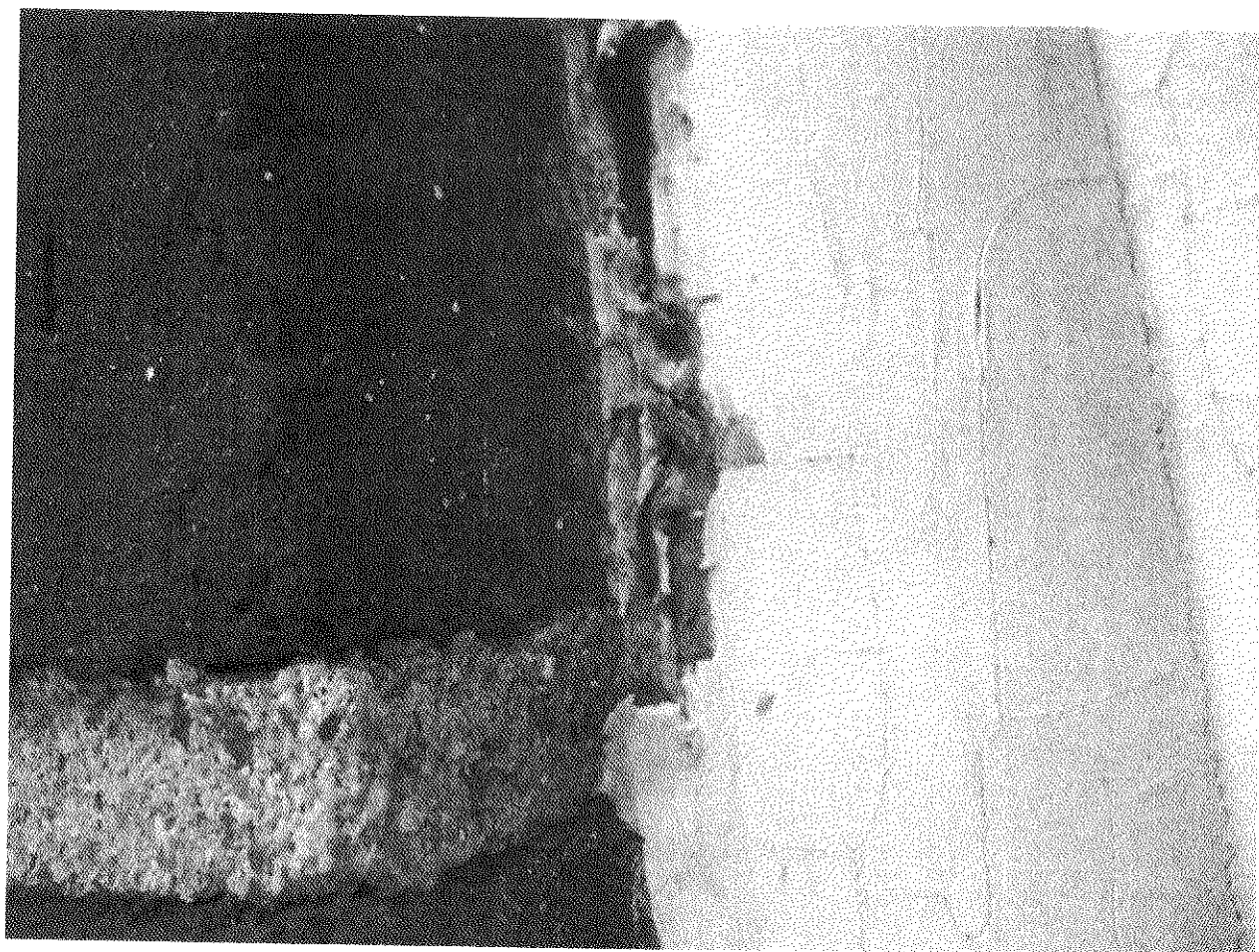




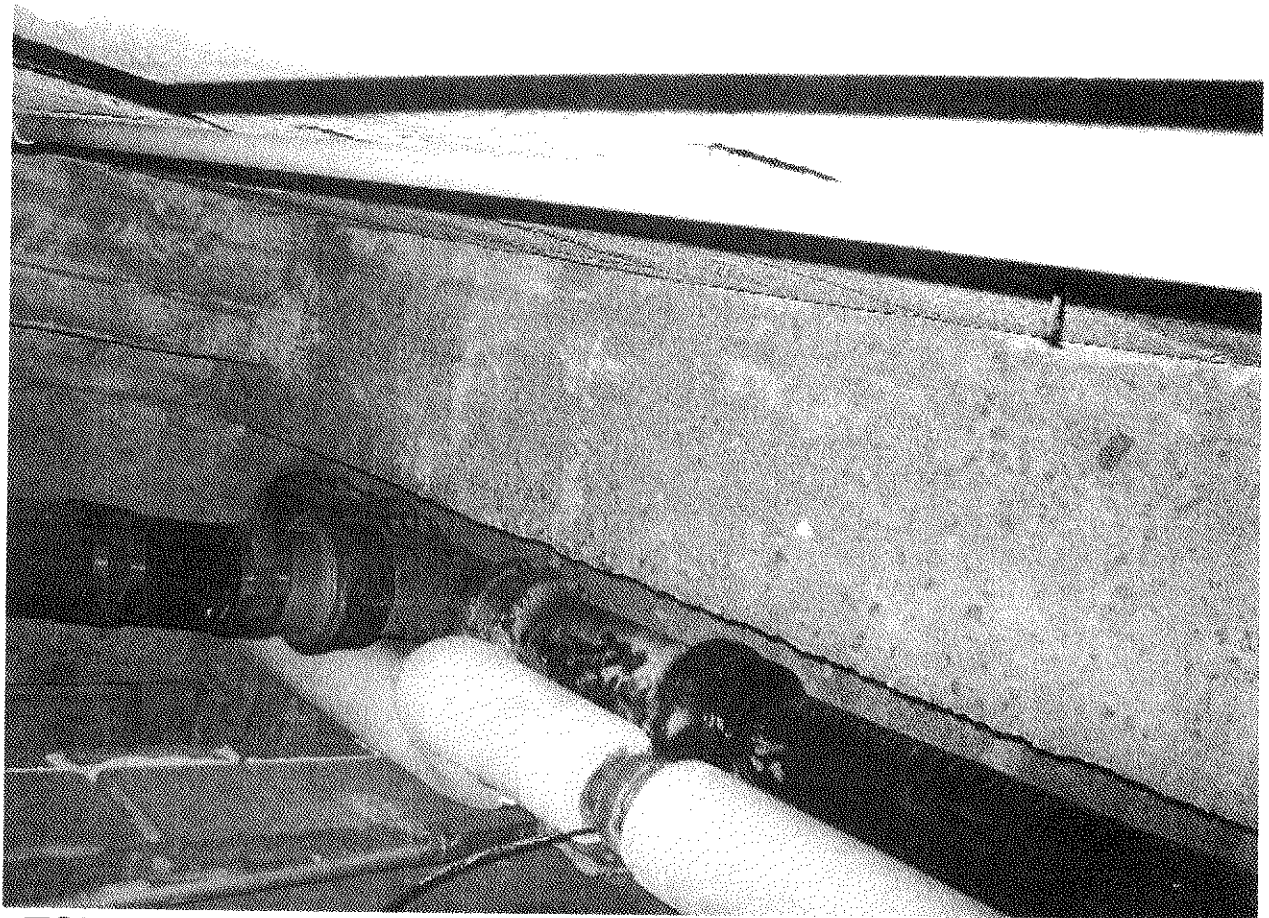
**9x9 Floor Tile Brown**



**6"x12" Floor Tile Brown**

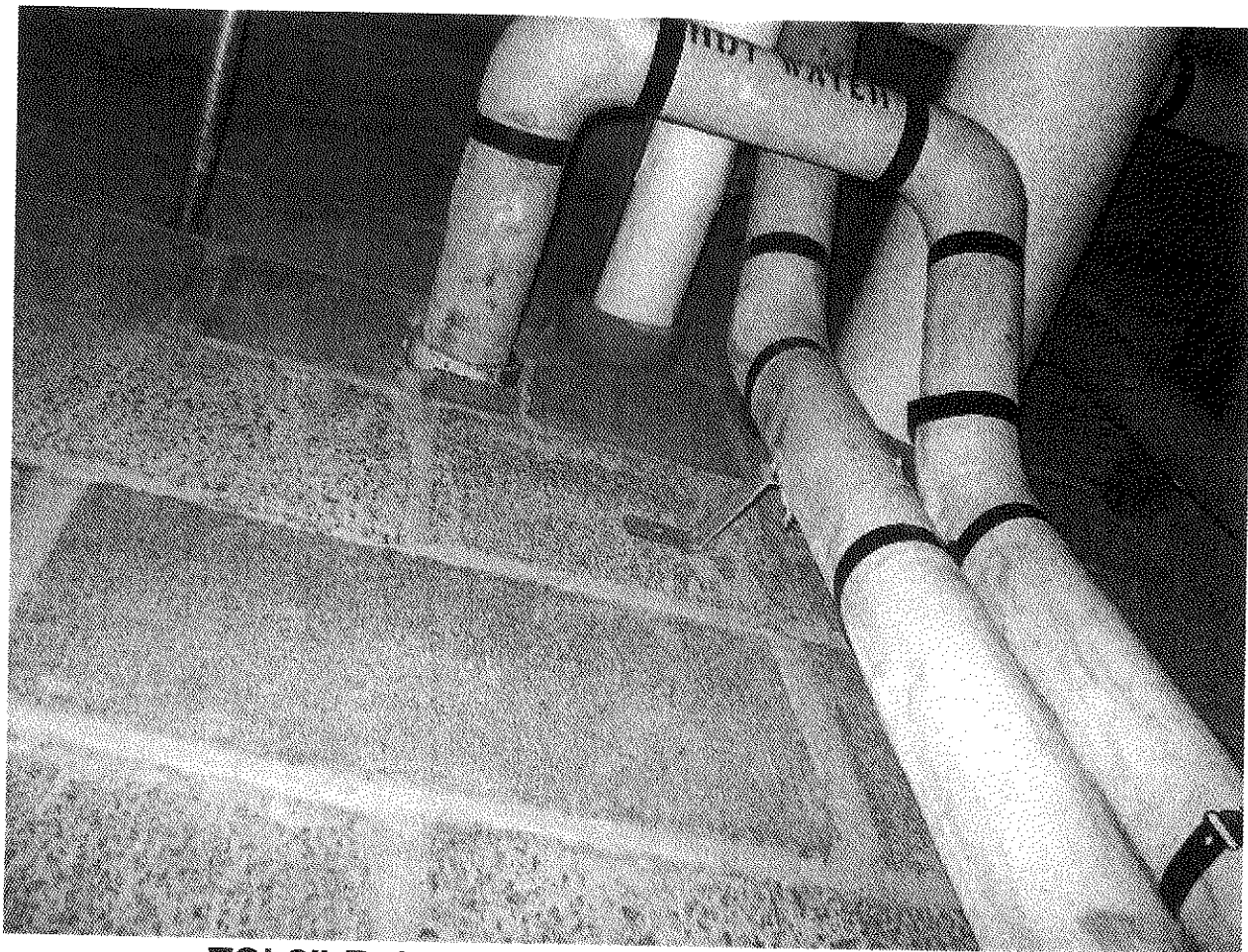


**Window and Door Caulk Dry Dark Gray**



**TSI 1" Elbow Mud Gray & White & TSI 1" Gray, White, Beige  
Pipe Insulation**





**TSI 2" Beige, White & Tan Pipe Insulation  
&  
TSI 2" Elbow Mud Gray & White**



**APPENDIX E**

**PERSONNEL AND LABORATORY**

**CERTIFICATIONS**

NEW YORK STATE - DEPARTMENT OF LABOR

DIVISION OF SAFETY AND HEALTH  
LICENSE AND CERTIFICATE UNIT  
STATE CAMPUS BUILDING 12  
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

Adelaide Environmental Health Associates, Inc.  
Suite C24  
1511 Route 22  
Brewster, NY 10509

FILE NUMBER: 99-0656  
LICENSE NUMBER: 29305  
LICENSE CLASS: RESTRICTED  
DATE OF ISSUE: 06/10/2010  
EXPIRATION DATE: 07/31/2011

Duly Authorized Representative - John Soter

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

*Maureen A. Cox*  
Maureen A. Cox, Director  
FOR THE COMMISSIONER OF LABOR

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON  
03-31-2011

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

NUMBER  
3333 000266

VIRGINIA ASBESTOS LICENSE  
ASBESTOS ANALYTICAL LABORATORY LICENSE

PCM  
PLM  
TEM

AMERICA SCIENCE TEAM RICHMOND, INC  
13635 GENITO ROAD

MIDLOTHIAN, VA 23112



*Jay W. DeBoer*  
Jay W. DeBoer, Director

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COMMONWEALTH OF VIRGINIA

VIRGINIA ASBESTOS LICENSE

ASBESTOS ANALYTICAL LABORATORY

NUMBER: 3333 000266 EXPIRES: 03-31-2011

PCM PLM TEM

AMERICA SCIENCE TEAM RICHMOND, INC  
13635 GENITO ROAD

MIDLOTHIAN VA 23112



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9960 Mayland Dr., Suite 400, Richmond, VA 23233

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON  
04-30-2011

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

NUMBER  
3303 003537

VIRGINIA ASBESTOS LICENSE  
INSPECTOR LICENSE

THOMAS P FERRO

PO BOX 35  
HALSTEAD, PA 19922



*Jay W. DeBoer*  
Jay W. DeBoer, Director

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33A OSPREY LN



GARDINER NY 12525

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DANBURY CT 06811

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION

COMMONWEALTH OF VIRGINIA

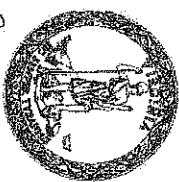
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06-30-2011

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

NUMBER  
3303 003575

VIRGINIA ASBESTOS LICENSE  
INSPECTOR LICENSE

ROBERT A SEE  
15 BOYCE ST  
BEACON, NY 12508



*Gordon N. Dixon*  
Gordon N. Dixon, Director

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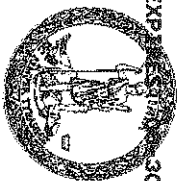
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VIRGINIA ASBESTOS LICENSE  
INSPECTOR LICENSE

NUMBER: 3303 003575 EXPIRES 06-30-2011

ROBERT A SEE  
15 BOYCE ST



(DETACH HERE)  
DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
9960 Mayland Dr., Suite 400, Richmond, VA 23233

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