Adelaide Environmental Health Associates, Inc.

COMPREHENSIVE SURVEY FOR ASBESTOS CONTAINING MATERIALS

PERFORMED AT:

Building 74
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
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DATED:

June 30, 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 19th, 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 74 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 74. 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 forty-one (41) 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
Basement Floor Samples			
Mastic Black	4208 SF	**Hallways 19 and 23. Rooms 13, 13A, 13B, 13C, 13D, 14, 15, 15A, and 15B**	Tested by Adelaide 6/18/2010 5% - 8% Chrysotile
Floor Tile 9" x 9" Brown	12 SF	**Room 9A Homogeneous to bldg 76 Room 206**	Tested by ALS in on 3/21/2002 4% Chrysotile
White TSI on 6" Steam Pipe	364 LF	**Rooms 1, 1A, 2, 4, 4A, 4C, 4D, 4G, and Hallway 19**	Tested by ALS in Rm 8 on 3/21/2002 5%-10% Amosite
White TSI on 4" pipe	420 LF	**Hallways All**	Tested by ALS in Hallway 21 on 3/21/2002 45% Chrysotile
White and Gray TSI on 16" Steam Pipe	28 LF	**Hallway 19, 20 and 23**	Tested by ALS in Hallway 21 on 3/21/2002 15% - 65% Chrysotile
Ceiling Tiles 2' x 2' White	2561 SF	**Hallway 20, 21 and Rooms 13, 13A, 13B, 13C, 13D, 13E, 13F and 13G**	Tested by ALS in Hallway 21 , 3/21/2002 15% Chrysotile

First Floor Samples			
Mastic Black	6655 SF	**Hallways 106, 130, 135, 136, 137, 137A, 138, 139, 139A and 140 Rooms 101, 101A, 103, 104, 106A, 106B, 106C, 106D, 106E, 106F, 108, 112, 115, 116, 117, 118, 119, 120, 121, 130A, 130B, 130C, 130D, 130E, 130F, 130G, 131, 132, 133 and 134**	Tested by Adelaide 6/18/2010 5% - 8% Chrysotile
Floor Tile 12x12 Cream W/ Heavy Tan & Brown Streaks	160 SF	**Room 121**	Tested by Adelaide 6/18/2010 3% Chrysotile
Floor Tile 12x12 White w/ Minimal Brown Streaks	155 SF	**Hallway 136**	Tested by Adelaide 6/18/2010 2% Chrysotile
Floor Tile 9" x 9" Orange	310 SF	**Room 101 & 108**	Tested by ALS in Room 108 on 3/21/2002 10% Chrysotile
Floor Tile 9" x 9" Brown	40 SF	**Room 108 Homogeneous to bldg 76 Room 206**	Tested by ALS on 3/21/2002 4% Chrysotile
Floor Tile 6" x 12" Red	30 SF	**Room 101 Homogeneous to bldg 75**	Tested by ALS on 3/21/2002 5% Chrysotile
TSI 2" pipe Yellow Fibrous	161 LF	**Room 130A and In Hallways above Drop Ceiling**	Tested by ALS on 3/21/2002 45% Chrysotile

Second Floor Samples			
Mastic Black	7519 SF	**Hallways 201A, 207 Cubical Space, 210, 212, 227, 238, 239, 240, 241, 242, 243, and 244 Rooms 201A, 206, 207A, 207B, 208, 210, 211, 212A, 212B, 212C, 212G, 212H, 212J, 213, 216, 217, 218, 219, 221, 222, 223, 227A, 227D, and 228**	Tested by Adelaide 6/18/2010 5% - 8% Chrysotile
TSI 2" pipe Yellow Fibrous	197 LF	**Room 219, 232A and Hallway above drop ceiling**	Homogenous to Room 130A
Attic Level Samples			
No Suspect Materials Found			

*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:

- #1 – Mastic Layer under Known Asbestos Free Floor Tile 12x12 White with Tan and Brown Streaks. and under 12x12 Floor Tile Cream with heavy Tan and Brown Streaks, 12x12 Floor Tile White with minimal Brown Streaks, 9x9 Floor Tile Orange, 9x9 Floor Tile Black and 6"x12" Floor Tile Red
- #9– 12x12 Floor Tile Cream with Heavy Tan and Brown Streaks
- #12 – 12x12 Floor Tile White with minimal Brown Streaks
- #42 – 9x9 Floor Tile Orange
- #43 – 9x9 Floor Tile Brown
- #44 – 6"x12" Floor Tile Red
- #45 – 4" TSI Pipe Insulation White
- #46 – 6" TSI Steam Pipe White
- #47 – 16" TSI Steam Pipe White And Gray
- #48 – Ceiling Tiles 2'x2' White
- #49 – 2" TSI Pipe Insulation Yellow Fibrous

Negative Material List

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

- Brick Mortar
- Plaster Ceilings
- Plaster Walls
- Cove Base 2" Black
- Cove Base 4" Brown
- Cove Base 6" Black
- Cove Base Adhesive on 2", 4" and 6" Cove Bases
- Glue Dabs Brown on Acoustical Ceiling Tiles
- Floor Tile 12x12 Off White With Tan Gold & Brown Streaks
- Flashing Tar on top of brick wall
- Caulk Greenish White on top of Flashing tar on top of brick wall.

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
Hallway 19	1	Mastic Black	1297 SF	Unknown/Defer Action/None Required
	45	TSI 4" White	250 LF	Good/Defer Action/None Required
	46	TSI 6" White	250 LF	Good/Defer Action/None Required
	47	TSI 16" White and Gray	10 LF	Good/Defer Action/None Required
Hallway 20	45	TSI 4" White	30 LF	Good/Defer Action/None Required
	47	TSI 16" White and Gray	10 LF	Good/Defer Action/None Required
	48	Ceiling Tile 2'X2' White	160 SF	Damaged/Remove/Required
Hallway 21	45	TSI 4" White	100 LF	Good/Defer Action\None Required
	48	Ceiling Tile 2'X2' White	1024 SF	Damaged/Remove/Required
Hallway 23	1	Mastic Black	500 SF	Good/Defer Action/None Required
	45	TSI 4" White	40 LF	Good/Defer Action/None Required
	47	TSI 16" White and Gray	8 LF	Good/Defer Action/None Required
1	46	TSI 6" White	45 LF	Good/Defer Action/None Required

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Space #	Homogenous Area	Material Description	Quantity	Condition Response Action
1A	46	TSI 6" White	12 LF	Good/Defer Action/None Required
2	46	TSI 6" White	18 LF	Good/Defer Action/None Required
4	46	TSI 6" White	34 LF	Good/Defer Action/None Required
4A	46	TSI 6" White	26 LF	Good/Defer Action/None Required
4C	46	TSI 6" White	10 LF	Good/Defer Action/None Required
4D	46	TSI 6" White	6 LF	Good/Defer Action/None Required
	49	TSI 2" Yellow Fibrous	8 LF	Good/Defer Action/None Required
4G	46	TSI 6" White	8 LF	Good/Defer Action/None Required
9A	1	Mastic Black	12 SF	Unknown/Defer Action/None Required
	43	Floor Tile 9x9 Brown	12 SF	Damaged/Encapsulate/Required
13	1	Mastic Black	169 SF	Unknown/Defer Action/None Required
	48	Ceiling Tile 2'X2' White	169 SF	Damaged/Remove/Required

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Space #	Homogenous Area	Material Description	Quantity	Condition Response Action
13A	1	Mastic Black	250 SF	Unknown/Defer Action/None Required
	48	Ceiling Tile 2'X2' White	250 SF	Damaged/Remove/Required
13B	1	Mastic Black	145 SF	Unknown/Defer Action/None Required
	48	Ceiling Tile 2'X2' White	145 SF	Damaged/Remove/Required
13C	1	Mastic Black	82 SF	Unknown/Defer Action/None Required
	48	Ceiling Tile 2'X2' White	82 SF	Damaged/Remove/Required
13D	1	Mastic Black	151 SF	Unknown/Defer Action/None Required
	48	Ceiling Tile 2'X2' White	149 SF	Damaged/Remove/Required
13E	48	Ceiling Tile 2'X2' White	236 SF	Damaged/Remove/Required
13F	48	Ceiling Tile 2'X2' White	123 SF	Damaged/Remove/Required
13G	48	Ceiling Tile 2'X2' White	225 SF	Damaged/Remove/Required
14	1	Mastic Black	419 SF	Unknown/Defer Action/None Required
15	1	Mastic Black	919 SF	Unknown/Defer Action/None Required

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Space #	Homogenous Area	Material Description	Quantity	Condition Response Action
15A	1	Mastic Black	149 SF	Unknown/Defer Action/None Required
15B	1	Mastic Black	115 SF	Unknown/Defer Action/None Required
101	1	Mastic Black	297 SF	Unknown/Defer Action/None Required
	42	Floor Tile 9x9 Orange	267 SF	Damaged/Remove/Required
	44	Floor Tile 6"x12" Red	30 SF	Damaged/Remove/Required
101A	1	Mastic Black	107 SF	Unknown/Defer Action/None Required
103	1	Mastic Black	106 SF	Unknown/Defer Action/None Required
104	1	Mastic Black	176 SF	Unknown/Defer Action/None Required
Hallway 106	1	Mastic Black	260 SF	Unknown/Defer Action/None Required
106A	1	Mastic Black	165 SF	Unknown/Defer Action/None Required
106B	1	Mastic Black	231 SF	Unknown/Defer Action/None Required
106C	1	Mastic Black	145 SF	Unknown/Defer Action/None Required
106D	1	Mastic Black	213 SF	Unknown/Defer Action/None Required
106E	1	Mastic Black	231 SF	Unknown/Defer Action/None Required

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Space #	Homogenous Area	Material Description	Quantity	Condition Response Action
106F	1	Mastic Black	165 SF	Unknown/Defer Action/None Required
108	1	Mastic Black	83 SF	Unknown/Defer Action/None Required
	42	Floor Tile 9x9 Orange	43 SF	Damaged/Remove/Required
	43	Floor Tile 9x9 Brown	40 SF	Damaged/Remove/Required
112	1	Mastic Black	36 SF	Unknown/Defer Action/None Required
115	1	Mastic Black	160 SF	Unknown/Defer Action/None Required
116	1	Mastic Black	124 SF	Unknown/Defer Action/None Required
117	1	Mastic Black	234 SF	Unknown/Defer Action/None Required
118	1	Mastic Black	111 SF	Unknown/Defer Action/None Required
119	1	Mastic Black	398 SF	Unknown/Defer Action/None Required
120	1	Mastic Black	102 SF	Unknown/Defer Action/None Required
121	1	Mastic Black	160 SF	Unknown/Defer Action/None Required
	9	12x12 Floor Tile Cream with Heavy Tan and Brown Streaks	160	Good/Defer Action/None Required
Hallway 130	1	Mastic Black	357 SF	Unknown/Defer Action/None Required
	49	TSI 2" Yellow Fibrous	8 LF	Good/Defer Action/None Required
130A	1	Mastic Black	132 SF	Unknown/Defer Action/None Required

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Space #	Homogenous Area	Material Description	Quantity	Condition Response Action
130A	49	TSI 2" Yellow Fibrous	10 LF	Good/Defer Action/None Required
130B	1	Mastic Black	132 SF	Unknown/Defer Action/None Required
130C	1	Mastic Black	121 SF	Unknown/Defer Action/None Required
130D	1	Mastic Black	132 SF	Unknown/Defer Action/None Required
130E	1	Mastic Black	132 SF	Unknown/Defer Action/None Required
130F	1	Mastic Black	121 SF	Unknown/Defer Action/None Required
130G	1	Mastic Black	132 SF	Unknown/Defer Action/None Required
131	1	Mastic Black	258 SF	Unknown/Defer Action/None Required
132	1	Mastic Black	158 SF	Unknown/Defer Action/None Required
133	1	Mastic Black	251 SF	Unknown/Defer Action/None Required
134	1	Mastic Black	238 SF	Unknown/Defer Action/None Required
Hallway 135	1	Mastic Black	308 SF	Unknown/Defer Action/None Required
	49	TSI 2" Yellow Fibrous	6 LF	Good/Defer Action/None Required
Hallway 136	1	Mastic Black	155 SF	Unknown/Defer Action/None Required
	12	12x12 Floor Tile White with minimal Brown Streaks	155 SF	Good/Defer Action/None Required

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Space #	Homogenous Area	Material Description	Quantity	Condition Response Action
	49	TSI 2" Yellow Fibrous	24 LF	Good/Defer Action/None Required
Hallway 137	1	Mastic Black	547 SF	Unknown/Defer Action/None Required
	49	TSI 2" Yellow Fibrous	45 LF	Good/Defer Action/None Required
Hallway 137A	1	Mastic Black	247 SF	Unknown/Defer Action/None Required
	49	TSI 2" Yellow Fibrous	24 LF	Good/Defer Action/None Required
Hallway 138	1	Mastic Black	127 SF	Unknown/Defer Action/None Required
	49	TSI 2" Yellow Fibrous	12 LF	Good/Defer Action/None Required
Hallway 139	1	Mastic Black	258 SF	Unknown/Defer Action/None Required
	49	TSI 2" Yellow Fibrous	18 LF	Good/Defer Action/None Required
Hallway 139A	1	Mastic Black	57 SF	Unknown/Defer Action/None Required
	49	TSI 2" Yellow Fibrous	6 LF	Good/Defer Action/None Required
Hallway 140	1	Mastic Black	163 SF	Unknown/Defer Action/None Required
	49	TSI 2" Yellow Fibrous	8 LF	Good/Defer Action/None Required
201A	1	Mastic Black	157	Unknown/Defer Action/None Required
206	1	Mastic Black	347 SF	Unknown/Defer Action/None Required

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Space #	Homogenous Area	Material Description	Quantity	Condition Response Action
Cubical Space 207	1	Mastic Black	1117 SF	Unknown/Defer Action/None Required
207A	1	Mastic Black	121 SF	Unknown/Defer Action/None Required
207B	1	Mastic Black	121 SF	Unknown/Defer Action/None Required
208	1	Mastic Black	55 SF	Unknown/Defer Action/None Required
Hallway 210	1	Mastic Black	311 SF	Unknown/Defer Action/None Required
	49	TSI 2" Yellow Fibrous	8 LF	Good/Defer Action/None Required
211	1	Mastic Black	176 SF	Unknown/Defer Action/None Required
Hallway 212	1	Mastic Black	284 SF	Unknown/Defer Action/None Required
	49	TSI 2" Yellow Fibrous	30 LF	Good/Defer Action/None Required
212A	1	Mastic Black	161 SF	Unknown/Defer Action/None Required
212B	1	Mastic Black	161 SF	Unknown/Defer Action/None Required
212C	1	Mastic Black	167 SF	Unknown/Defer Action/None Required
212G	1	Mastic Black	145 SF	Unknown/Defer Action/None Required
212H	1	Mastic Black	140 SF	Unknown/Defer Action/None Required
212J	1	Mastic Black	140 SF	Unknown/Defer Action/None Required

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Space #	Homogenous Area	Material Description	Quantity	Condition Response Action
213	1	Mastic Black	168 SF	Unknown/Defer Action/None Required
216	1	Mastic Black	160 SF	Unknown/Defer Action/None Required
217	1	Mastic Black	130 SF	Unknown/Defer Action/None Required
218	1	Mastic Black	236 SF	Unknown/Defer Action/None Required
219	1	Mastic Black	125 SF	Unknown/Defer Action/None Required
	49	TSI 2" Yellow Fibrous	12 LF	Good/Defer Action/None Required
221	1	Mastic Black	78 SF	Unknown/Defer Action/None Required
	9	12x12 Floor Tile Cream with Heavy Tan and Brown Streaks	78 SF	Good/Defer Action/None Required
222	1	Mastic Black	123 SF	Unknown/Defer Action/None Required
223	1	Mastic Black	148 SF	Unknown/Defer Action/None Required
Hallway 227	1	Mastic Black	284 SF	Unknown/Defer Action/None Required
	49	TSI 2" Yellow Fibrous	22 LF	Good/Defer Action/None Required
227A	1	Mastic Black	231 SF	Unknown/Defer Action/None Required
227B	1	Mastic Black	149 SF	Unknown/Defer Action/None Required
227C	1	Mastic Black	110 SF	Unknown/Defer Action/None Required

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Space #	Homogenous Area	Material Description	Quantity	Condition Response Action
227D	1	Mastic Black	110 SF	Unknown/Defer Action/None Required
228	1	Mastic Black	187 SF	Unknown/Defer Action/None Required
Hallway 238	1	Mastic Black	304 SF	Unknown/Defer Action/None Required
	49	TSI 2" Yellow Fibrous	23 LF	Good/Defer Action/None Required
Hallway 239	1	Mastic Black	132 SF	Unknown/Defer Action/None Required
	49	TSI 2" Yellow Fibrous	12 LF	Good/Defer Action/None Required
Hallway 240	1	Mastic Black	431 SF	Unknown/Defer Action/None Required
	49	TSI 2" Yellow Fibrous	35 LF	Good/Defer Action/None Required
Hallway 240A	1	Mastic Black	254 SF	Unknown/Defer Action/None Required
	49	TSI 2" Yellow Fibrous	18 LF	Good/Defer Action/None Required
Hallway 241	1	Mastic Black	92 SF	Unknown/Defer Action/None Required
	49	TSI 2" Yellow Fibrous	8 LF	Good/Defer Action/None Required
Hallway 242	1	Mastic Black	132 SF	Unknown/Defer Action/None Required
	49	TSI 2" Yellow Fibrous	8 LF	Good/Defer Action/None Required
Hallway	1	Mastic Black	242 SF	Unknown/Defer Action/None Required

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Space #	Homogenous Area	Material Description	Quantity	Condition Response Action
243	49	TSI 2" Yellow Fibrous	15 LF	Good/Defer Action/None Required
Hallway 244	1	Mastic Black	89 SF	Unknown/Defer Action/None Required
	49	TSI 2" Yellow Fibrous	6 LF	Good/Defer Action/None Required

APPENDIX B

ASBESTOS REPORT FORM

Adelaide
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 74
1970 Roanoke Blvd
Salem, Virginia 24153

DATE RECIEVED: 6/7/2010
DATE COMPLETED: 6/18/2010
DATE REPORTED: 6/30/2010
TOTAL SAMPLE COUNT: 41
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.
/110061670-01	**1**	**Floor B - Hallway 23 - Mastic Layer Under Known Asbestos Free Floor Tile 12x12 White W/ Tan & Brown Streaks**	**Misc.**	**NF**	**1**		**6% Chrysotile**		**G**
/110061670-02	2	Floor B - Hallway 23 - Mastic Layer Under Known Asbestos Free Floor Tile 12x12 White W/ Tan & Brown Streaks	Misc.	NF	1		NA/PS		G
/110061670-03	3	Floor B - Hallway 19 - 12x12 Floor Tile Off White w/ Tan, Gold & Brown Streaks	Misc.	NF	2		NAD		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

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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.
/110061670-04	4	Floor B - Hallway 19 - 12x12 Floor Tile Off White w/ Tan, Gold & Brown Streaks	Misc.	NF	2		NAD		D
/110061670-05	5	Floor B - Hallway 19 - Mastic Layer Black Under 12x12 Floor Tile Off White w/ Tan, Gold & Brown Streaks	Misc.	NF	3		NAD		G
/110061670-06	6	Floor B - Hallway 19 - Mastic Layer Black Under 12x12 Floor Tile Off White w/ Tan, Gold & Brown Streaks	Misc.	NF	3		NAD		G
/110061670-07	7	Floor B - Room 15C - Cove Base 4" Brown	Misc.	NF	4		NAD		G
/110061670-08	8	Floor B - Room 15C - Cove Base 4" Brown	Misc.	NF	4		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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D - Damaged
G - Good
UK - Unknown

ASBESTOS REPORT FORM

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 74
1970 Roanoke Blvd
Salem, Virginia 24153

DATE RECIEVED: 6/7/2010
DATE COMPLETED: 6/18/2010
DATE REPORTED: 6/30/2010
TOTAL SAMPLE COUNT: 41
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.
/110061670-09	9	Floor B - Room 15C - Cove Base Adhesive Under Cove Base 4" Brown	Misc.	NF	5		NAD		G
/110061670-10	10	Floor B - Room 15C - Cove Base Adhesive Under Cove Base 4" Brown	Misc.	NF	5		NAD		G
/110061670-11	11	Floor B - Room 14A - Glue Dabs On Acoustical Tile	Misc.	NF	6		NAD		G
/110061670-12	12	Floor B - Room 14A - Glue Dabs On Acoustical Tile	Misc.	NF	6		NAD		G
/110061670-13	13	Floor 1 - Room 131 - Cove Base 6" Black	Misc.	NF	7		NAD		G
/110061670-14	14	Floor 1 - Room 131 - Cove Base 6" Black	Misc.	NF	7		NAD		G

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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.
/110061670-15	15	Floor 1 - Room 131 -Cove Base Adhesive Under Cove Base 6" Black	Misc.	NF	8		NAD		G
/110061670-16	16	Floor 1 - Room 131 -Cove Base Adhesive Under Cove Base 6" Black	Misc.	NF	8		NAD		G
/110061670-17	17	Floor 1 - Room 121 - 12x12 Floor Tile Cream W/ Heavy Tan & Brown Streaks	Misc.	NF	9		NAD		G
/110061670-18	**18**	**Floor 1 - Room 121 - 12x12 Floor Tile Cream W/ Heavy Tan & Brown Streaks**	**Misc.**	**NF**	**9**		**3% Chrysotile**		**G**
/110061670-19	**19**	**Floor 1 - Room 121 - Mastic Layer Black Under 12x12 Floor Tile Cream W/ Heavy Tan & Brown Streaks**	**Misc.**	**NF**	**10**		**5% Chrysotile**		**G**

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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.
/110061670-20	20	Floor 1 - Room 121 - Mastic Layer Black Under 12x12 Floor Tile Cream W/ Heavy Tan & Brown Streaks	Misc.	NF	10		NA/PS		G
/110061670-21	21	Floor 1 - Room 101 - Glue Dabs Under Acoustical Ceiling Tiles Brown	Misc.	NF	11		NA		G
/110061670-22	22	Floor 1 - Room 101 - Glue Dabs Under Acoustical Ceiling Tiles Brown	Misc.	NF	11		NAD		G
/110061670-23	**23**	**Floor 1 - Hallway 136 - 12x12 Floor Tile White w/ Minimal Brown Streaks**	**Misc.**	**NF**	**12**		**2% Chrysotile**		**G**
/110061670-24	24	Floor 1 - Hallway 136 - 12x12 Floor Tile White w/ Minimal Brown Streaks	Misc.	NF	12		NA/PS		G

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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.
/110061670-25	**25**	**Floor 1 - Hallway 136 - Mastic Layer Black Under 12x12 Floor Tile White w/ Minimal Brown Streaks**	**Misc.**	**NF**	**13**		**8% Chrysotile**		**G**
/110061670-26	26	Floor 1 - Hallway 136 - Mastic Layer Black Under 12x12 Floor Tile White w/ Minimal Brown Streaks	Misc.	NF	13		NA/PS		G
/110061670-27	27	Floor 2 - Room 217 - Plaster Wall Top Coat White	Surf.	F	14		NAD		G
/110061670-28	28	Floor 2 - Room 217 - Plaster Wall Base Coat Beige	Surf.	F	15		NAD		G
/110061670-29	29	Floor B - Room 19A - Plaster Wall Top Coat White	Surf.	F	14		NAD		G

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TOTAL SAMPLE COUNT: 41
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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.
/110061670-30	30	Floor B - Room 19A - Plaster Wall Base Coat Beige	Surf.	F	15		NAD		G
/110061670-31	31	Floor B - Room 19A - Plaster Ceiling Top Coat White	Surf.	F	16		NAD		G
/110061670-32	32	Floor B - Room 19A - Plaster Ceiling Top Coat White	Surf.	F	16		NAD		G
/110061670-33	33	Floor B - Room 19A - Plaster Ceiling Base Coat Beige	Surf.	F	17		NAD		G
/110061670-34	34	Floor B - Room 19A - Plaster Ceiling Base Coat Beige	Surf.	F	17		NAD		G
/110061670-35	35	Floor Ext - Caulk on top of Flashing For Brick Wall	Misc.	NF	18		NAD		G
/110061670-36	36	Floor Ext - Caulk on top of Flashing For Brick Wall	Misc.	NF	18		NAD		G

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ASBESTOS REPORT FORM

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TOTAL SAMPLE COUNT: 41
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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.
/110061670-37	37	Floor Ext - Flashing Tar from Top Of Brick Wall	Misc.	NF	19		NAD		G
/110061670-38	38	Floor Ext - Flashing Tar from Top Of Brick Wall	Misc.	NF	19		NAD		G
/110061670-39	39	Floor Ext - Brick Mortar Beige	Misc.	F	20		NAD		G
/110061670-40L1&L2	40	Floor 2 - Room 226 - 2" Cove base Black	Misc.	NF	21		NAD		G
/110061670-41L1&L2	41	Floor 2 - Room 226 - 2" Cove base Black	Misc.	NF	21		NAD		G

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APPENDIX C

ASBESTOS ANALYTICAL RESULTS
AND
CHAIN OF CUSTODY FORMS

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
Date Examined 06/23/10

AmeriSci Job # 110061670
P.O. #

RE: VAMC:10079.00-IN; Salem VA Medical Center; Building 74; 1970 Roanoke Blvd, Salem, Virginia 24153 (Report Amended 6/30/2010)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
1 1	110061670-01 **Location:** Hallway 23 - Mastic Layer Under Known Asbestos Free Floor Tile 12x12 White W/Tan & Brown Streaks	***Yes***	6 % (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Black, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** Chrysotile 6.0 % **Other Material:** Non-fibrous 94 %			
2 1	110061670-02 **Location:** Hallway 23 - Mastic Layer Under Known Asbestos Free Floor Tile 12x12 White W/Tan & Brown Streaks		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
3 2	110061670-03 **Location:** Hallway 19 - 12x12 Floor Tile Off White W/Tan, Gold & Brown Streaks	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Off White/Tan, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
4 2	110061670-04 **Location:** Hallway 19 - 12x12 Floor Tile Off White W/Tan, Gold & Brown Streaks	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: White/Tan, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
5 3	110061670-05 **Location:** Hallway 19 - Mastic Layer Black Under 12x12 Floor Tile Off White W/Tan, Gold & Brown Streaks	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Black, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 2 %, Non-fibrous 98 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

VAMC:10079.00-IN; Salem VA Medical Center; Building 74; 1970 Roanoke Blvd, Salem, Virginia 24153 (Report Amended 6/30/2010)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
6 3	110061670-06 **Location:** Hallway 19 - Mastic Layer Black Under 12x12 Floor Tile Off White W/Tan, Gold & Brown Streaks	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
7 4	110061670-07 **Location:** Room 15C - Cover Base 4" Brown	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
8 4	110061670-08 **Location:** Room 15C - Cover Base 4" Brown	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
9 5	110061670-09 **Location:** Room 15C - Cove Base Adhesive Under Cove Base 4" Brown	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
10 5	110061670-10 **Location:** Room 15C - Cove Base Adhesive Under Cove Base 4" Brown	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
11 6	110061670-11 **Location:** Room 14A - Glue Dabs On Acoustical Tile	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 10 %, Non-fibrous 90 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

VAMC:10079.00-IN; Salem VA Medical Center; Building 74; 1970 Roanoke Blvd, Salem, Virginia 24153 (Report Amended 6/30/2010)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
12 6	110061670-12 **Location:** Room 14A - Glue Dabs On Acoustical Tile	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 10 %, Non-fibrous 90 %			
13 7	110061670-13 **Location:** Room 131 - Cove Base 6" Black	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
14 7	110061670-14 **Location:** Room 131 - Cove Base 6" Black	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
15 8	110061670-15 **Location:** Room 131 - Cove Base Adhesive Under Cove Base 6" Black	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
16 8	110061670-16 **Location:** Room 131 - Cove Base Adhesive Under Cove Base 6" Black	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
17 9	110061670-17 **Location:** Room 121 - 12x12 Floor Tile Cream W/Heavy Tan & Brown Streaks	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Cream, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Synthetic fibers 6 %, Non-fibrous 94 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

VAMC:10079.00-IN; Salem VA Medical Center; Building 74; 1970 Roanoke Blvd, Salem, Virginia 24153 (Report Amended 6/30/2010)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
18 9	110061670-18 **Location:** Room 121 - 12x12 Floor Tile Cream W/Heavy Tan & Brown Streaks	***Yes***	3 % (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Cream/Tan, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** Chrysotile 3.0 % **Other Material:** Non-fibrous 97 %			
19 10	110061670-19 **Location:** Room 121 - Mastic Layer Black Under 12x12 Floor Tile Cream W/Heavy Tan & Brown Streaks	***Yes***	5 % (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 5.0 % **Other Material:** Non-fibrous 95 %			
20 10	110061670-20 **Location:** Room 121 - Mastic Layer Black Under 12x12 Floor Tile Cream W/Heavy Tan & Brown Streaks		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
21 11	110061670-21 **Location:** Room 101 - Glue Dabs Under Acoustical Ceiling Tiles Brown		NA
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
22 11	110061670-22 **Location:** Room 101 - Glue Dabs Under Acoustical Ceiling Tiles Brown	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Brown/Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 2 %, Non-fibrous 98 %			
23 12	110061670-23 **Location:** Hallway 136 - 12x12 Floor Tile White W/Minimal Brown Streaks	***Yes***	2 % (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: White/Brown, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** Chrysotile 2.0 % **Other Material:** Non-fibrous 98 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

VAMC:10079.00-IN; Salem VA Medical Center; Building 74; 1970 Roanoke Blvd, Salem, Virginia 24153 (Report Amended 6/30/2010)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
24 12	110061670-24 **Location:** Hallway 136 - 12x12 Floor Tile White W/Minimal Brown Streaks		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
25 13	110061670-25 **Location:** Hallway 136 - Mastic Layer Black Under 12x12 Floor Tile White W/Minimal Brown Streaks	***Yes***	8 % (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 8.0 % **Other Material:** Non-fibrous 92 %			
26 13	110061670-26 **Location:** Hallway 136 - Mastic Layer Black Under 12x12 Floor Tile White W/Minimal Brown Streaks		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
27 154	110061670-27 **Location:** Room 217 - Plaster Wall Top Coat White	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
28 15	110061670-28 **Location:** Room 217 - Plaster Wall Base Coat Beige	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Beige, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
29 14	110061670-29 **Location:** Room 19A - Plaster Wall Top Coat White	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

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PLM Bulk Asbestos Report

VAMC:10079.00-IN; Salem VA Medical Center; Building 74; 1970 Roanoke Blvd, Salem, Virginia 24153 (Report Amended 6/30/2010)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
30 15	110061670-30 **Location:** Room 19A - Plaster Wall Base Coat Beige	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Beige, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
31 16	110061670-31 **Location:** Room 19A - Plaster Ceiling Top Coat White	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
32 16	110061670-32 **Location:** Room 19A - Plaster Ceiling Top Coat White	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
33 17	110061670-33 **Location:** Room 19A - Plaster Ceiling Base Coat Beige	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Beige, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
34 17	110061670-34 **Location:** Room 19A - Plaster Ceiling Base Coat Beige	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
35 18	110061670-35 **Location:** Caulk Ton Top Flashing For Brick Wall	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

VAMC:10079.00-IN; Salem VA Medical Center; Building 74;
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6/30/2010)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
36 18	110061670-36 **Location:** Caulk Ton Top Flashing For Brick Wall	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
37 19	110061670-37 **Location:** Flashing Tar From Top Of Brick Wall	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
38 19	110061670-38 **Location:** Flashing Tar From Top Of Brick Wall	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
39 20	110061670-39 **Location:** Brick Mortar Beige	***No***	NAD (by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Beige, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
40 21	110061670-40L1 **Location:** Room 226-2" - Covebase Black	***No***	NAD (by CVES) by Donna M. Blackwell on 06/30/10
Analyst Description: Black, Homogeneous, Non-Fibrous, Cove Base **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
40 21	110061670-40L2 **Location:** Room 226-2" - Covebase Black	***No***	NAD (by CVES) by Donna M. Blackwell on 06/30/10
Analyst Description: Brown, Homogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

VAMC:10079.00-IN; Salem VA Medical Center; Building 74;
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6/30/2010)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
41 21	110061670-41L1 **Location:** Room 226-2" Covebase Black	***No***	NAD (by CVES) by Donna M. Blackwell on 06/30/10
Analyst Description: Black, Homogeneous, Non-Fibrous, Cove Base **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
41 21	110061670-41L2 **Location:** Room 226-2" Covebase Black	***No***	NAD (by CVES) by Donna M. Blackwell on 06/30/10
Analyst Description: Brown, Homogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

Reporting Notes:
Analyzed by: Donna M. Blackwell Donna M Blackwell Date 6/30/10
*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: TBL

Adelaide
Environmental Health Associates, Inc.

110061670

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 74
1970 Roanoke 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 23 - Mastic Layer Under Known Asbestos Free Floor Tile 12x12 White W/ Tan & Brown Streaks		NF	G
2	B	1	Hallway 23 - Mastic Layer Under Known Asbestos Free Floor Tile 12x12 White W/ Tan & Brown Streaks		NF	G
3	B	2	Hallway 19 - 12x12 Floor Tile Off White w/ Tan, Gold & Brown Streaks		NF	D
4	B	2	Hallway 19 - 12x12 Floor Tile Off White w/ Tan, Gold & Brown Streaks		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: Robert See

Received by:

Relinquished by:

Received by:

RECEIVED
JUN 22 2010
By SJV

Chain of Custody

110061670

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VAMC Bldg 74
1970 Roanoke 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:
5	B	3	Hallway 19 - Mastic Layer Black Under 12x12 Floor Tile Off White w/ Tan, Gold & Brown Streaks		NF	G
6	B	3	Hallway 19 - Mastic Layer Black Under 12x12 Floor Tile Off White w/ Tan, Gold & Brown Streaks		NF	G
7	B	4	Room 15C - Cove Base 4" Brown		NF	G
8	B	4	Room 15C - Cove Base 4" Brown		NF	G
9	B	5	Room 15C - Cove Base Adhesive Under Cove Base 4" Brown		NF	G
10	B	5	Room 15C - Cove Base Adhesive Under Cove Base 4" Brown		NF	G
11	B	6	Room 14A - Glue Dabs On Acoustical Tile		NF	G
12	B	6	Room 14A - Glue Dabs On Acoustical Tile		NF	G
13	1	7	Room 131 - Cove Base 6" Black		NF	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

Relinquished by: Robert W See

Received by:

Relinquished by:

Received by:

RECEIVED
JUN 22 2010
By SJV

Chain of Custody

110061670

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VAMC Bldg 74
1970 Roanoke 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:
14	1	7	Room 131 - Cove Base 6" Black		NF	G
15	1	8	Room 131 -Cove Base Adhesive Under Cove Base 6" Black		NF	G
16	1	8	Room 131 -Cove Base Adhesive Under Cove Base 6" Black		NF	G
17	1	9	Room 121 - 12x12 Floor Tile Cream W/ Heavy Tan & Brown Streaks		NF	G
18	1	9	Room 121 - 12x12 Floor Tile Cream W/ Heavy Tan & Brown Streaks		NF	G
19	1	10	Room 121 - Mastic Layer Black Under 12x12 Floor Tile Cream W/ Heavy Tan & Brown Streaks		NF	G
20	1	10	Room 121 - Mastic Layer Black Under 12x12 Floor Tile Cream W/ Heavy Tan & Brown Streaks		NF	G
21	1	11	Room 101 - Glue Dabs Under Acoustical Ceiling Tiles Brown		NF	G

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Special Instructions/ Turnaround Time:

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72 hr TAT

Relinquished by: Robert See

Received by:

Relinquished by:

Received by:

RECEIVED
JUN 22 2010
By SJV

Chain of Custody

110061670

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VAMC Bldg 74
1970 Roanoke 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	1	11	Room 101 - Glue Dabs Under Acoustical Ceiling Tiles Brown		NF	G
23	1	12	Hallway 136 - 12x12 Floor Tile White w/ Minimal Brown Streaks		NF	G
24	1	12	Hallway 136 - 12x12 Floor Tile White w/ Minimal Brown Streaks		NF	G
25	1	13	Hallway 136 - Mastic Layer Black Under 12x12 Floor Tile White w/ Minimal Brown Streaks		NF	G
26	1	13	Hallway 136 - Mastic Layer Black Under 12x12 Floor Tile White w/ Minimal Brown Streaks		NF	G
27	2	14	Room 217 - Plaster Wall Top Coat White		F	G
28	2	15	Room 217 - Plaster Wall Base Coat Beige		F	G
29	B	14	Room 19A - Plaster Wall Top Coat White		F	G
30	B	15	Room 19A - Plaster Wall Base Coat Beige		F	G

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

Special Instructions/ Turnaround Time:

Test by PLM

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Fax Results to 845-278-7750
E-Mail Results to AdelaideLabResults@adelaidellc.com

72 hr TAT

Relinquished by: Robert See

Received by:

Relinquished by:

Received by:

RECEIVED
JUN 22 2010
By SJV

Chain of Custody

110061670

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VAMC Bldg 74
1970 Roanoke 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:
31	B	16	Room 19A - Plaster Ceiling Top Coat White		F	G
32	B	16	Room 19A - Plaster Ceiling Top Coat White		F	G
33	B	17	Room 19A - Plaster Ceiling Base Coat Beige		F	G
34	B	17	Room 19A - Plaster Ceiling Base Coat Beige		F	G
35	Ext	18	Caulk on top of Flashing For Brick Wall		NF	G
36	Ext	18	Caulk on top of Flashing For Brick Wall		NF	G
37	Ext	19	Flashing Tar from Top Of Brick Wall		NF	G
38	Ext	19	Flashing Tar from Top Of Brick Wall		NF	G
39	Ext	20	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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Relinquished by:

Received by:

RECEIVED
JUN 22 2010
By STV

110-06-1670

Adelaide Environmental Health Associates, Inc.
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 74
1970 Roanoke Blvd
Salem, Virginia 24153

DATE RECIEVED: 6/7/2010
DATE COMPLETED: 6/18/2010
DATE REPORTED:
TOTAL SAMPLE COUNT: 2
SAMPLE COLLECTOR(S): Robert See

Sample ID#	Floor Level	Homogenous Area	Sample Location/Description	Quantity (in feet)	Friable NonFriable	Condition SD, D, G, UK:
140	2	21	Room 226 -2" Covebase Black		NF	G
141	2	21	Room 226 -2" Covebase Black		NF	G

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

Special Instructions/ Turnaround Time:

Test by PLM

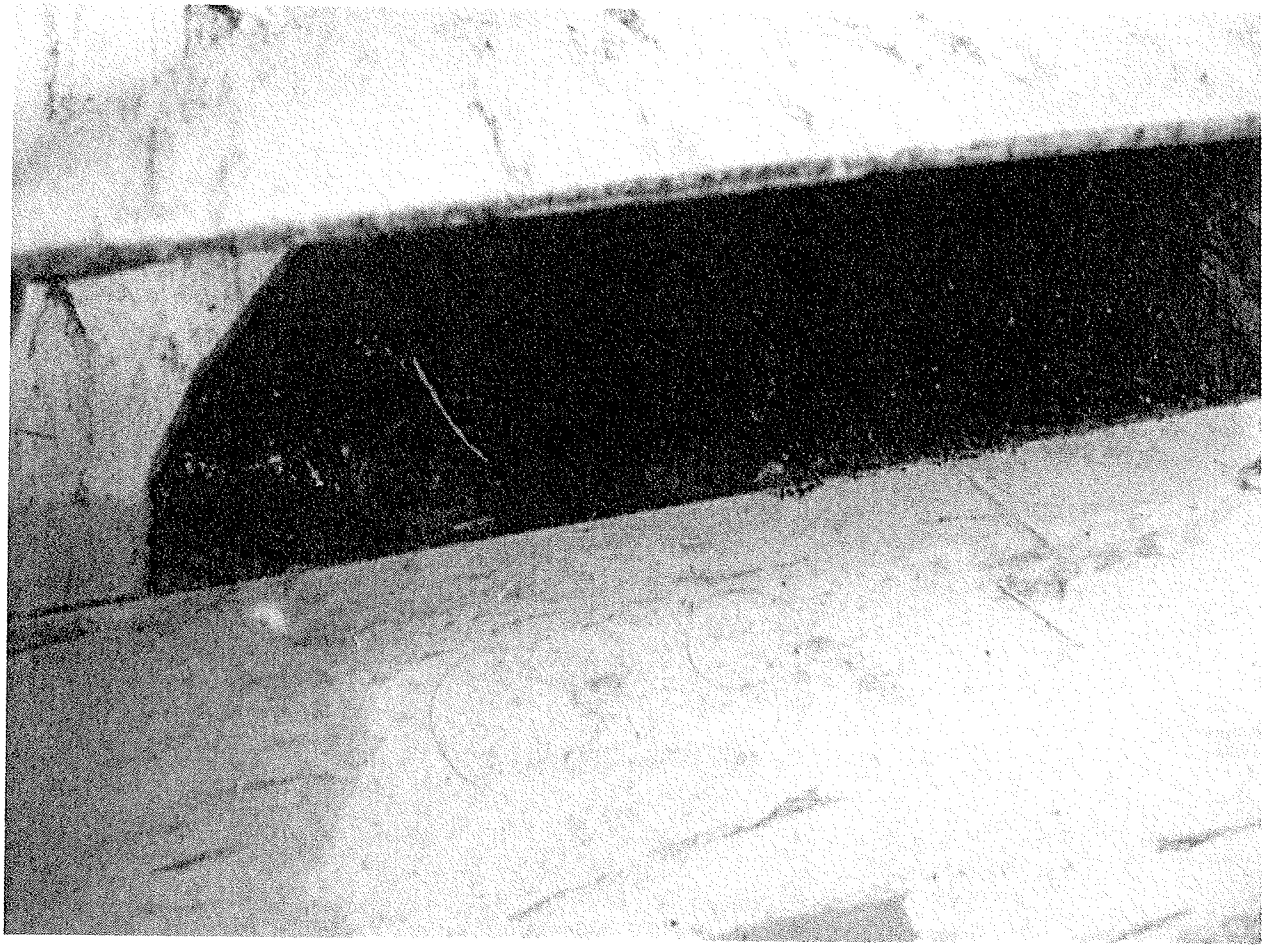
Stop at 1st Positive per Homogenous Area
Fax Results to 845-278-7750
E-Mail Results to AdelaideLabResults@adelaidellc.com

72 hr TAT

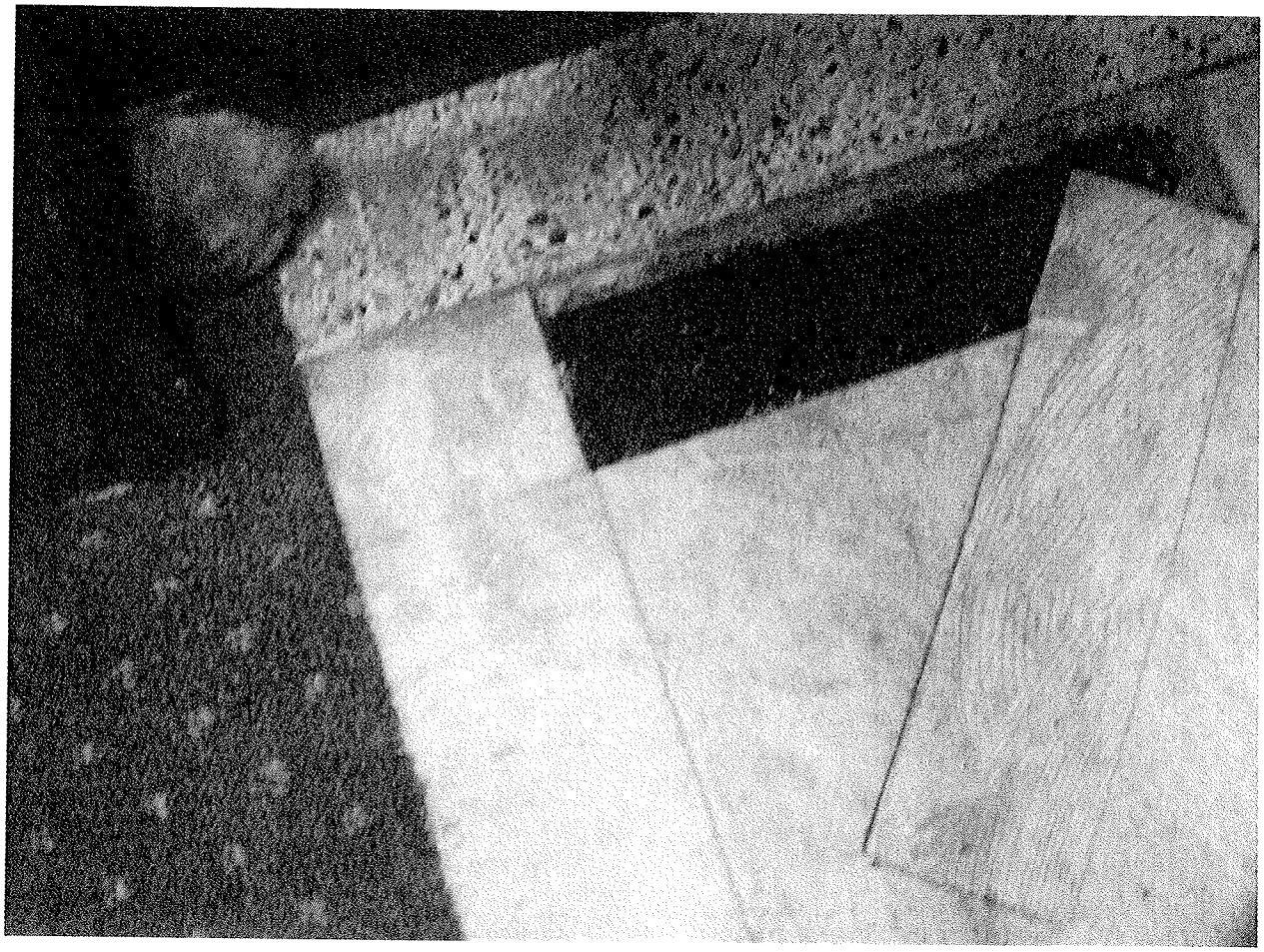
Relinquished by: Robert See
Received by:
Relinquished by:
Received by:

APPENDIX D
SAMPLE LOCATION MAP

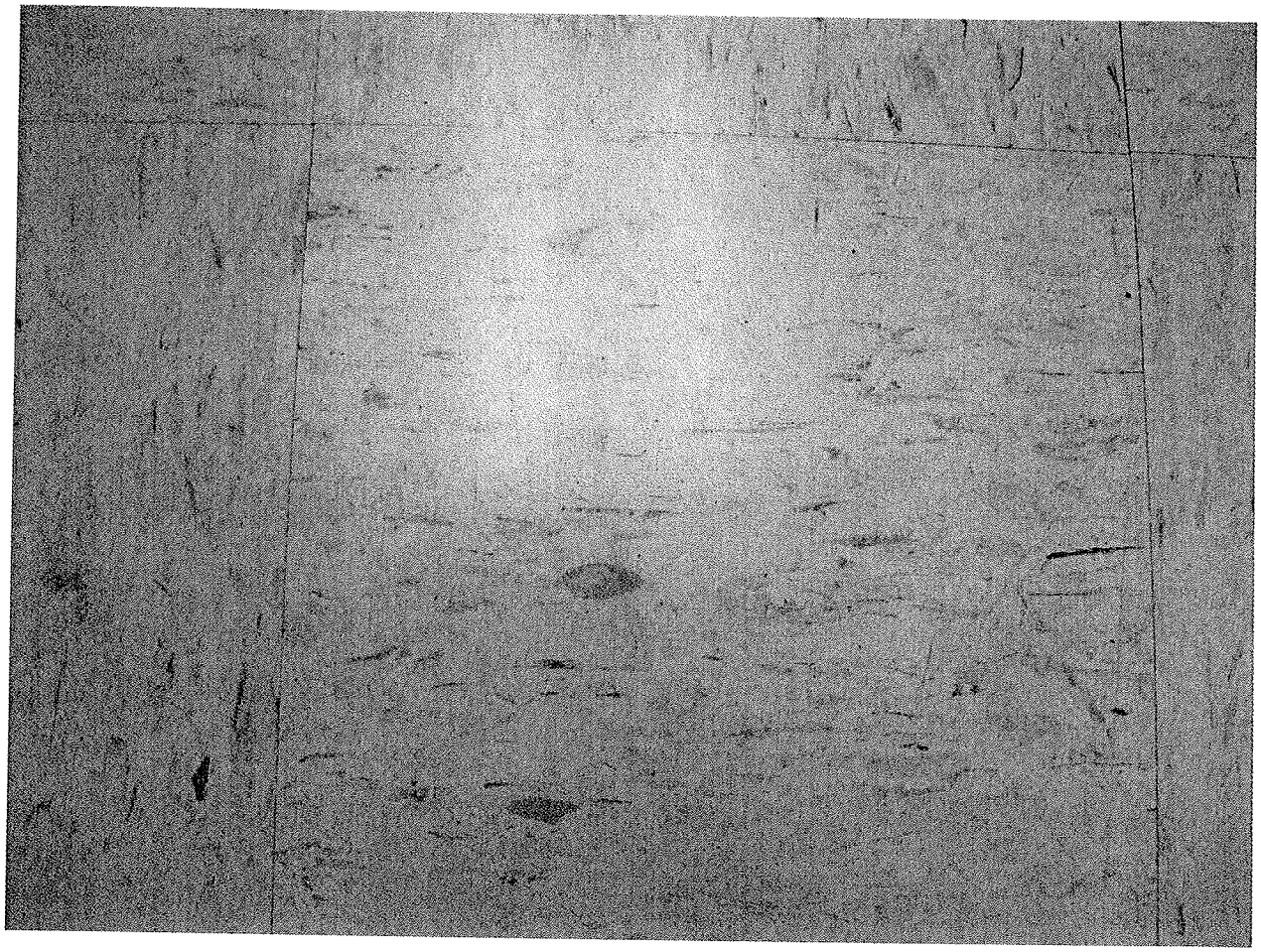
AND PHOTOS



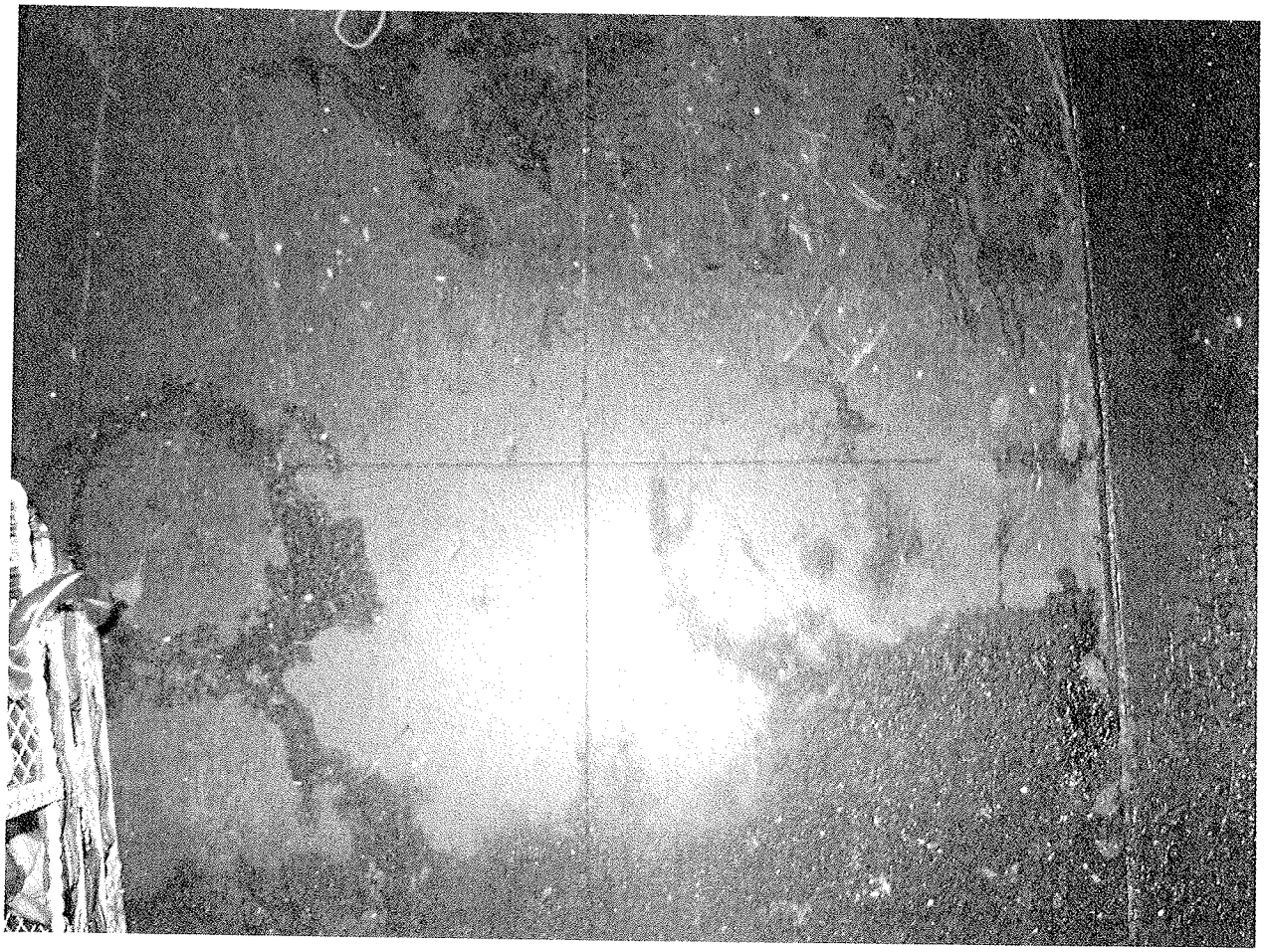
Mastic Layer Black



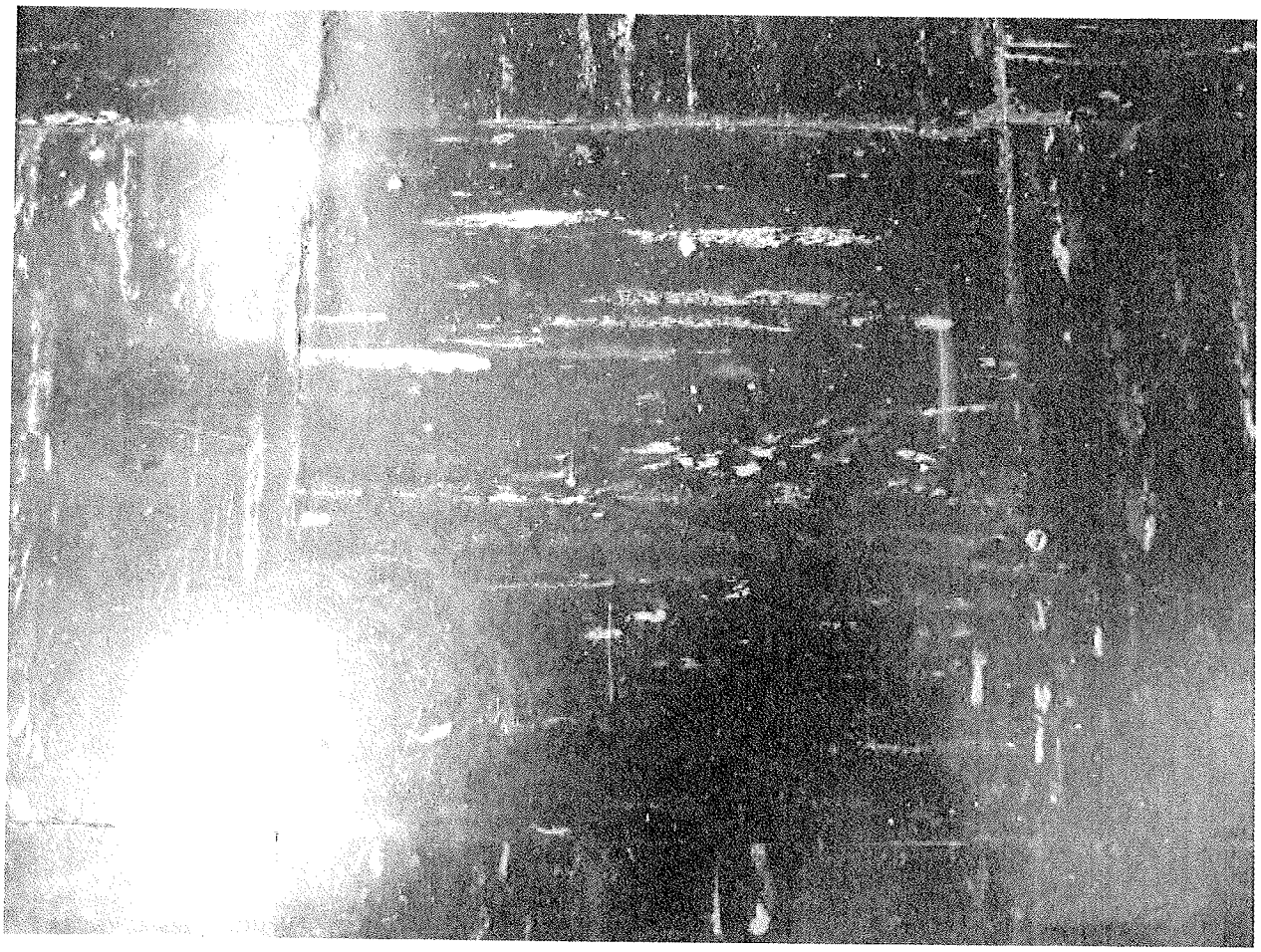
Floor Tile 12x12 Cream W/ Heavy Tan & Brown Streaks



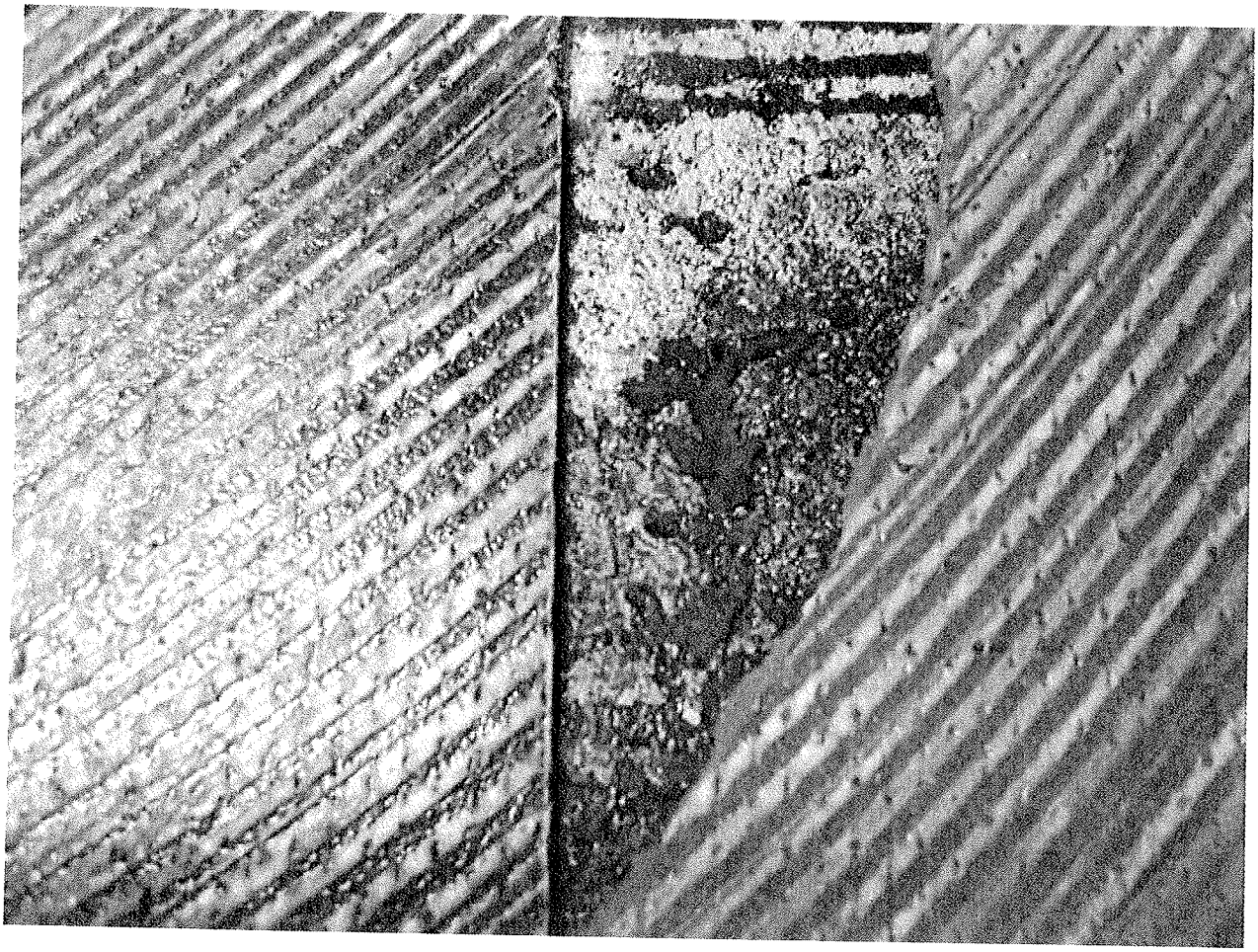
Floor Tile 12x12 White w/ Minimal Brown Streaks



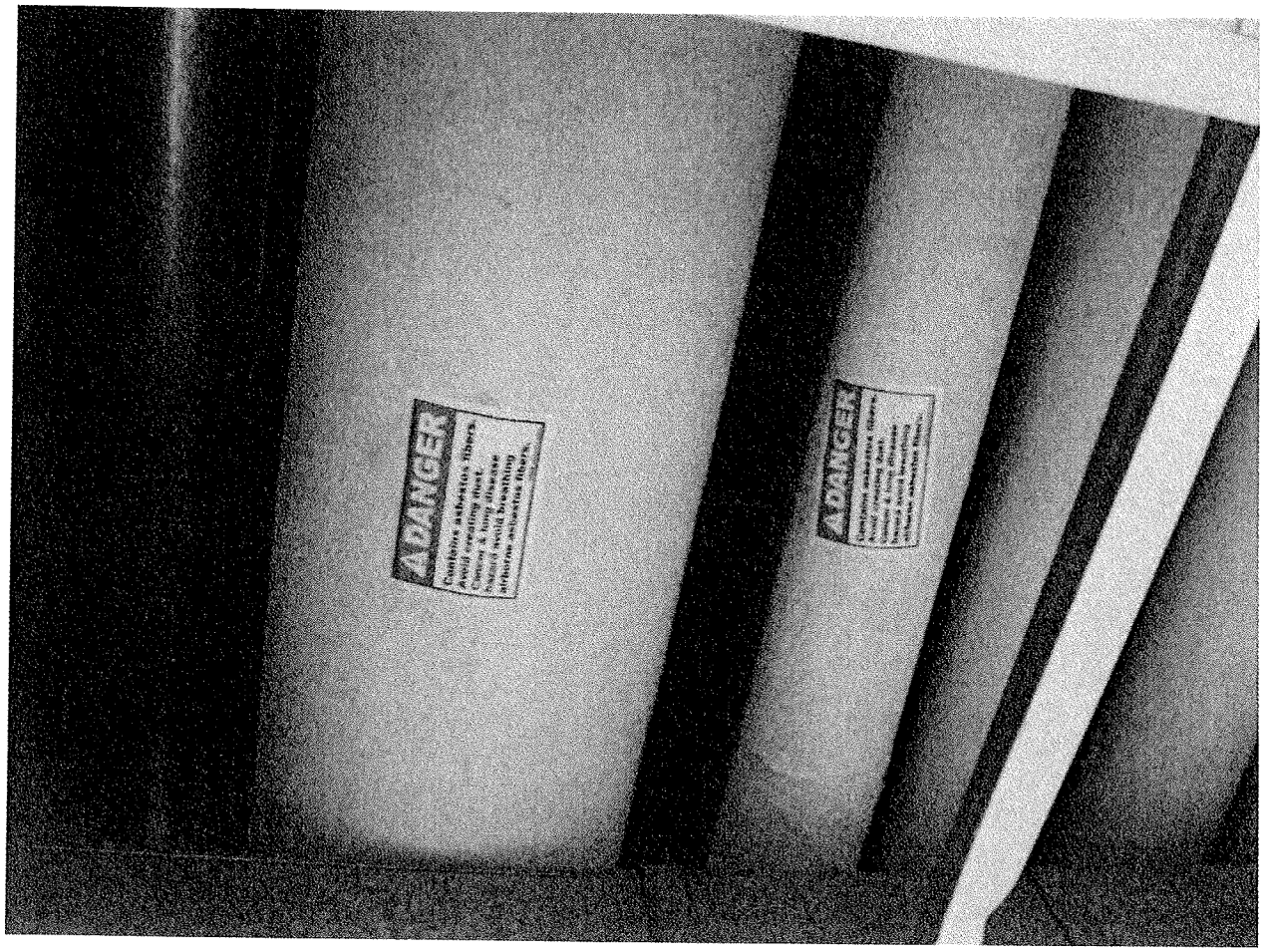
Floor Tile 9” x 9” Orange



Floor Tile 9” x 9” Brown



Floor Tile 6” x 12” Red



4" TSI Pipe Insulation White
6" TSI Steam Pipe White

16" TSI Steam Pipe White And Gray

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

SH 432 (4-07)

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

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

EXPIRES ON
03-31-2011

NUMBER
3333 000266

PCM
PLM
TEM

VIRGINIA ASBESTOS LICENSE

ASBESTOS ANALYTICAL LABORATORY LICENSE

AMERICA SCIENCE TEAM RICHMOND, INC
13635 GENITO ROAD

MIDLOTHIAN, VA 23112

Jay W. DeBoer, Director

ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

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

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COMMONWEALTH OF VIRGINIA

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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, Director

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33A OSPREY LN

GARDINER NY 12525

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JOHN W SOTER
22 JOSH LANE

DANBURY CT 06811

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COMMONWEALTH OF VIRGINIA

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

EXPIRES ON
06-30-2011

NUMBER
3303 003575

VIRGINIA ASBESTOS LICENSE
INSPECTOR LICENSE

ROBERT A SEE
15 BOYCE ST

BEACON, NY 12508

Gordon N. Dixon, Director

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VIRGINIA ASBESTOS LICENSE
INSPECTOR LICENSE

NUMBER: 3303 003575 EXPIRES: 06-30-2011

ROBERT A SEE
15 BOYCE ST

BEACON NY 12508

(FOLD)

(DETACH HERE)

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

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(8/08)