



Adelaide Environmental Health Associates, Inc.

**COMPREHENSIVE SURVEY FOR ASBESTOS CONTAINING
MATERIALS**

PERFORMED AT:

**Building 8
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:

A handwritten signature in black ink, appearing to read "Stephanie A. Soter".

**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 – 16, 2010 by Adelaide representative Robert See (certified asbestos inspector).

2.0 EXECUTIVE SUMMARY OF INSPECTION RESULTS

Building 8 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 1938. Following the scope of work that was provided from the VAMC, Adelaide inspected all accessible areas of Building 8. 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-four (44) 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 the asbestos sample report form, which assesses the condition of each ACM 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
Samples Taken by Adelaide Environmental			
Basement			
9x9 Floor Tile Dark Brown	150 SF	Room 21	5% Chrysotile
12x12 Floor Tile White with Light Brown Spots	4,512 SF	Rooms 6,6A,B,C,D,E,9D,10,16,16A,B,C,I,L,	3% Chrysotile
Known Positive 12x12 Floor Tile White with Gray and Brown Streaks	2,680 SF	Rooms 1,1A,7,1118,19,19A	Positive Per Box Found Marked Contains Asbestos
Black Mastic	8,788 SF	Rooms 1,1A,6,6A,B,C,D,E,7,9B,C,D,10,11,15,16, 16A,B,C,I,L,17,17B,18,19,19A,20, 21,20A,B,C,D,E	5-15% Chrysotile
Insulation on Tank- White Powdery	150 SF	Near Room 11	65% Chrysotile
Insulation On Pipe- Gray	17 LF	Near Room 11,21	40% Chrysotile
First Floor			
Black Mastic	9,683 SF	Rooms 100,101,101A,B,102,103,103B,104, 105,105A,B,G,H,106,106A,107,108, 108A,B,C,F,G,L,M,109,110,112A,113, 113B,114,115,116,116A,B,C,F,G,L,M, 117,117A,119,119A,120,120A,B,G,H,121, 122A,124,124A,125,126,127	5-15% Chrysotile
Second Floor			
Black Mastic	9,313 SF	200,201,202,203,203C,204,205,205A,B,G,H, 206,208,209,209A,B,C,E,F,G,L,M,210,211, 212,215,216,217,217F,G,L,M,218,218A, 220,220A,221,221A,B,G,H,222,222A,223, 223A,225,226,227,228,229	5-15% Chrysotile
Gold Mastic	180 SF	213A	8% Chrysotile

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

Space #	Homogenous Area	Material Description	Quantity	Condition Response Action
1	24	Known Positive 12x12 Floor Tile	352 SF	Good/Defer Action/None Required
	1	Black Mastic	352 SF	Unknown/Defer Action/None Required
1A	24	Known Positive 12x12 Floor Tile	96 SF	Good/Defer Action/None Required
	1	Black Mastic	96 SF	Unknown/Defer Action/None Required
2A	16	TSI on Pipe	3 LF	Damaged/ Encapsulate/ Required
6	4	12x12 Floor Tile White with Light Brown Spotting	640 SF	Good/Defer Action/None Required
	1	Black Mastic	640 SF	Unknown/Defer Action/None Required
6A	4	12x12 Floor Tile White with Light Brown Spotting	160 SF	Good/Defer Action/None Required
	1	Black Mastic	160 SF	Unknown/Defer Action/None Required
6B	4	12x12 Floor Tile White with Light Brown Spotting	80 SF	Good/Defer Action/None Required
	1	Black Mastic	80 SF	Unknown/Defer Action/None Required
6C	4	12x12 Floor Tile White with Light Brown Spotting	240 SF	Good/Defer Action/None Required
	1	Black Mastic	240 SF	Unknown/Defer Action/None Required
6D	4	12x12 Floor Tile White with Light Brown Spotting	240 SF	Good/Defer Action/None Required

	1	Black Mastic	240 SF	Unknown/Defer Action/None Required
6E	4	12x12 Floor Tile White with Light Brown Spotting	224 Sf	Good/Defer Action/None Required
	1	Black Mastic	224 SF	Unknown/Defer Action/None Required
7	24	Known Positive 12x12 Floor Tile	96 SF	Good/Defer Action/None Required
	1	Black Mastic	96 SF	Unknown/Defer Action/None Required
9B	1	Black Mastic	32 Sf	Unknown/Defer Action/None Required
9C	1	Black Mastic	32 SF	Unknown/Defer Action/None Required
9D	4	12x12 Floor Tile White with Light Brown Spotting	160 SF	Good/Defer Action/None Required
	1	Black Mastic	160 SF	Unknown/Defer Action/None Required
10	4	12x12 Floor Tile White with Light Brown Spotting	264 SF	Good/Defer Action/None Required
	24	Known Positive 12x12 Floor Tile	264 SF	Good/Defer Action/None Required
	1	Black Mastic	320 SF	Unknown/Defer Action/None Required
11	15	Insulation on aTank White Powdery	150 SF	Good/Defer Action/None Required
	16	Insulation On Pipe Gray	11 LF	Good/Defer Action/None Required
	24	Known Positive 12x12 Floor Tile	96 SF	Good/Defer Action/None Required
	1	Black Mastic	96 SF	Unknown/Defer Action/None Required

15	1	Black Mastic	80 SF	Unknown/Defer Action/None Required
16	4	12x12 Floor Tile White with Light Brown Spotting	1760 SF	Good/Defer Action/None Required
	1	Black Mastic	1760 SF	Unknown/Defer Action/None Required
16A	4	12x12 Floor Tile White with Light Brown Spotting	256 SF	Good/Defer Action/None Required
	1	Black Mastic	256 SF	Unknown/Defer Action/None Required
16B	4	12x12 Floor Tile White with Light Brown Spotting	60 SF	Good/Defer Action/None Required
	1	Black Mastic	60 SF	Unknown/Defer Action/None Required
16C	4	12x12 Floor Tile White with Light Brown Spotting	192 SF	Good/Defer Action/None Required
	1	Black Mastic	192 SF	Unknown/Defer Action/None Required
16I	4	12x12 Floor Tile White with Light Brown Spotting	140 SF	Good/Defer Action/None Required
	1	Black Mastic	140 SF	Unknown/Defer Action/None Required
16L	4	12x12 Floor Tile White with Light Brown Spotting	96 SF	Good/Defer Action/None Required
	1	Black Mastic	96 SF	Unknown/Defer Action/None Required
17	1	Black Mastic	240 SF	Unknown/Defer Action/None Required
17 B	1	Black Mastic	240 SF	Unknown/Defer Action/None Required
18	24	Known Positive 12x12 Floor Tile	320 SF	Good/Defer Action/None Required

	1	Black Mastic	320 SF	Unknown/Defer Action/None Required
19	24	Known Positive 12x12 Floor Tile	1056 SF	Good/Defer Action/None Required
	1	Black Mastic	1056 SF	Unknown/Defer Action/None Required
19A	24	Known Positive 12x12 Floor Tile	720 SF	Good/Defer Action/None Required
	1	Black Mastic	720 SF	Unknown/Defer Action/None Required
20	1	Black Mastic	1784 SF	Unknown/Defer Action/None Required
20A	1	Black Mastic	192 SF	Unknown/Defer Action/None Required
20B	1	Black Mastic	120 SF	Unknown/Defer Action/None Required
20C	1	Black Mastic	96 SF	Unknown/Defer Action/None Required
20D	1	Black Mastic	140 SF	Unknown/Defer Action/None Required
20E	1	Black Mastic	168 SF	Unknown/Defer Action/None Required
21	9	9x9 Floor Tile Dark Brown	150 SF	Damaged/ Encapsulate/ Required
	1	Black Mastic	150 SF	Unknown/Defer Action/None Required
	16	TSI Above Ceiling	6 LF	Good/Defer Action/None Required
100	1	Black Mastic	24 SF	Unknown/Defer Action/None Required
101	1	Black Mastic	201 SF	Unknown/Defer Action/None Required

101A	16	TSI Above Ceiling	1 LF	Good/Defer Action/None Required
101B	16	TSI Above Ceiling	1 LF	Good/Defer Action/None Required
102	1	Black Mastic	63 SF	Unknown/Defer Action/None Required
103	1	Black Mastic	287 SF	Unknown/Defer Action/None Required
103B	1	Black Mastic	33 SF	Unknown/Defer Action/None Required
104	1	Black Mastic	180 SF	Unknown/Defer Action/None Required
105	1	Black Mastic	312 SF	Unknown/Defer Action/None Required
105A	1	Black Mastic	193 SF	Unknown/Defer Action/None Required
105B	1	Black Mastic	193 SF	Unknown/Defer Action/None Required
105G	1	Black Mastic	194 SF	Unknown/Defer Action/None Required
105H	1	Black Mastic	194 SF	Unknown/Defer Action/None Required
106	1	Black Mastic	293 SF	Unknown/Defer Action/None Required
106A	1	Black Mastic	66 SF	Unknown/Defer Action/None Required
107	1	Black Mastic	207 SF	Unknown/Defer Action/None Required
108	1	Black Mastic	308 SF	Unknown/Defer Action/None Required
108A	1	Black Mastic	123 SF	Unknown/Defer Action/None Required

108B	1	Black Mastic	88 SF	Unknown/Defer Action/None Required
108C	1	Black Mastic	88 SF	Unknown/Defer Action/None Required
108F	1	Black Mastic	193 SF	Unknown/Defer Action/None Required
108G	1	Black Mastic	193 SF	Unknown/Defer Action/None Required
108L	1	Black Mastic	194 SF	Unknown/Defer Action/None Required
108M	1	Black Mastic	194 SF	Unknown/Defer Action/None Required
109	1	Black Mastic	106 SF	Unknown/Defer Action/None Required
110	1	Black Mastic	106 SF	Unknown/Defer Action/None Required
112	16	TSI Above Ceiling	1 LF	Good/Defer Action/None Required
112A	1	Black Mastic	181 SF	Unknown/Defer Action/None Required
113	1	Black Mastic	300 SF	Unknown/Defer Action/None Required
113B	1	Black Mastic	42 SF	Unknown/Defer Action/None Required
114	1	Black Mastic	104 SF	Unknown/Defer Action/None Required
115	1	Black Mastic	218 SF	Unknown/Defer Action/None Required
116	1	Black Mastic	297 SF	Unknown/Defer Action/None Required
116A	1	Black Mastic	123 SF	Unknown/Defer Action/None Required

116B	1	Black Mastic	88 SF	Unknown/Defer Action/None Required
116C	1	Black Mastic	88 SF	Unknown/Defer Action/None Required
116F	1	Black Mastic	193 SF	Unknown/Defer Action/None Required
116G	1	Black Mastic	193 SF	Unknown/Defer Action/None Required
116L	1	Black Mastic	194 SF	Unknown/Defer Action/None Required
116M	1	Black Mastic	194 SF	Unknown/Defer Action/None Required
117	1	Black Mastic	340 SF	Unknown/Defer Action/None Required
117A	1	Black Mastic	4 SF	Unknown/Defer Action/None Required
119	1	Black Mastic	165 SF	Unknown/Defer Action/None Required
119A	1	Black Mastic	66 SF	Unknown/Defer Action/None Required
120	1	Black Mastic	312 SF	Unknown/Defer Action/None Required
120A	1	Black Mastic	193 SF	Unknown/Defer Action/None Required
120B	1	Black Mastic	193 SF	Unknown/Defer Action/None Required
120G	1	Black Mastic	194 SF	Unknown/Defer Action/None Required
120H	1	Black Mastic	194 SF	Unknown/Defer Action/None Required
121	1	Black Mastic	115 SF	Unknown/Defer Action/None Required

122A	1	Black Mastic	148 SF	Unknown/Defer Action/None Required
124	1	Black Mastic	255 SF	Unknown/Defer Action/None Required
124A	1	Black Mastic	255 SF	Unknown/Defer Action/None Required
125	1	Black Mastic	371 SF	Unknown/Defer Action/None Required
126	1	Black Mastic	104 SF	Unknown/Defer Action/None Required
127	1	Black Mastic	557 SF	Unknown/Defer Action/None Required
200	1	Black Mastic	24 SF	Unknown/Defer Action/None Required
201	1	Black Mastic	175 SF	Unknown/Defer Action/None Required
202	1	Black Mastic	70 SF	Unknown/Defer Action/None Required
203	1	Black Mastic	287 SF	Unknown/Defer Action/None Required
203C	1	Black Mastic	63 SF	Unknown/Defer Action/None Required
204	1	Black Mastic	180 SF	Unknown/Defer Action/None Required
205	1	Black Mastic	312 SF	Unknown/Defer Action/None Required
205A	1	Black Mastic	193 SF	Unknown/Defer Action/None Required
205B	1	Black Mastic	193 SF	Unknown/Defer Action/None Required
205G	1	Black Mastic	194 SF	Unknown/Defer Action/None Required

205H	1	Black Mastic	194 SF	Unknown/Defer Action/None Required
206	1	Black Mastic	293 SF	Unknown/Defer Action/None Required
208	1	Black Mastic	207 SF	Unknown/Defer Action/None Required
209	1	Black Mastic	308 SF	Unknown/Defer Action/None Required
209A	1	Black Mastic	123 SF	Unknown/Defer Action/None Required
209B	1	Black Mastic	88 SF	Unknown/Defer Action/None Required
209C	1	Black Mastic	88 SF	Unknown/Defer Action/None Required
209E	1	Black Mastic	54 SF	Unknown/Defer Action/None Required
209F	1	Black Mastic	193 SF	Unknown/Defer Action/None Required
209G	1	Black Mastic	193 SF	Unknown/Defer Action/None Required
209L	1	Black Mastic	194 SF	Unknown/Defer Action/None Required
209M	1	Black Mastic	194 SF	Unknown/Defer Action/None Required
210	1	Black Mastic	106 SF	Unknown/Defer Action/None Required
211	1	Black Mastic	106 SF	Unknown/Defer Action/None Required
212	1	Black Mastic	179 SF	Unknown/Defer Action/None Required
213	21	Gold Mastic	306 SF	Unknown/Defer Action/None Required

	1	Black Mastic	306 SF	Unknown/Defer Action/None Required
213A	1	Black Mastic	180 SF	Unknown/Defer Action/None Required
215	1	Black Mastic	104 SF	Unknown/Defer Action/None Required
216	1	Black Mastic	218 SF	Unknown/Defer Action/None Required
217	1	Black Mastic	308 SF	Unknown/Defer Action/None Required
217A	1	Black Mastic	123 SF	Unknown/Defer Action/None Required
217F	1	Black Mastic	193 SF	Unknown/Defer Action/None Required
217G	1	Black Mastic	193 SF	Unknown/Defer Action/None Required
217L	1	Black Mastic	194 SF	Unknown/Defer Action/None Required
217M	1	Black Mastic	194 SF	Unknown/Defer Action/None Required
218	1	Black Mastic	210 SF	Unknown/Defer Action/None Required
218A	1	Black Mastic	4 SF	Unknown/Defer Action/None Required
220	1	Black Mastic	296 SF	Unknown/Defer Action/None Required
220A	1	Black Mastic	66 SF	Unknown/Defer Action/None Required
220B	1	Black Mastic	150 SF	Unknown/Defer Action/None Required
221	1	Black Mastic	312 SF	Unknown/Defer Action/None Required

221A	1	Black Mastic	193 SF	Unknown/Defer Action/None Required
221B	1	Black Mastic	193 SF	Unknown/Defer Action/None Required
221G	1	Black Mastic	194 SF	Unknown/Defer Action/None Required
221H	1	Black Mastic	194 SF	Unknown/Defer Action/None Required
222	1	Black Mastic	115 SF	Unknown/Defer Action/None Required
222A	1	Black Mastic	115 SF	Unknown/Defer Action/None Required
223	1	Black Mastic	115 SF	Unknown/Defer Action/None Required
223A	1	Black Mastic	148 SF	Unknown/Defer Action/None Required
225	1	Black Mastic	255 SF	Unknown/Defer Action/None Required
226	1	Black Mastic	215 SF	Unknown/Defer Action/None Required
227	1	Black Mastic	225 SF	Unknown/Defer Action/None Required
228	1	Black Mastic	282 SF	Unknown/Defer Action/None Required
229	1	Black Mastic	406 SF	Unknown/Defer Action/None Required
Exterior	22	Window Caulk Greenish White	All Windows	Good/Defer Action/None Required
Exterior	23	Door Caulk Greenish Brown	All Doors	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 8
1970 Roanoke Blvd
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010
DATE COMPLETED: 6/16/2010
DATE REPORTED: 6/28/2010
TOTAL SAMPLE COUNT: 44
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.
/110061650-01	1	Floor B - Room 17 - Mastic Layer Black Under Known Neg Manufacture 12x12 Floor Tile Light Green W/ White Streaks		Misc.	NF	1		15% Chrysotile		G
/110061650-02	2	Floor B - Room 17 - Mastic Layer Black Under Known Neg Manufacture 12x12 Floor Tile Light Green W/ White Streaks		Misc.	NF	1		NA/PS		G
/110061650-03	3	Floor B - Room 20 - 12x12 Floor Tile Off White W/ Tan & Gray Streaks		Misc.	NF	2		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

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Asbestos Bulk Sampling						
PESHOGS NO. / LAB ID NO.	ID	Sample Location, Coordinates Description and Other Comments	Material Type	Friable/ NonFriable	Homogenous ID	TEM %
/110061650-04	4	Floor B - Room 20 - 12x12 Floor Tile Off White W/ Tan & Gray Streaks	Misc.	NF	2	NAD
/110061650-05	5	Floor B - Room 20 - Mastic Layer Black Under 12x12 Floor Tile Off White W/ Tan & Gray Streaks	Misc.	NF	3	5% Chrysotile
/110061650-06	6	Floor B - Room 20 - Mastic Layer Black Under 12x12 Floor Tile Off White W/ Tan & Gray Streaks	Misc.	NF	3	NA/PS
/110061650-07	7	Floor B - Room 16 - 12x12 Floor Tile W/ Light Brown Spots	Misc.	NF	4	3% Chrysotile
/110061650-08	8	Floor B - Room 16 - 12x12 Floor Tile W/ Light Brown Spots	Misc.	NF	4	NA/PS
/110061650-09	9	Floor B - Room 16 - Mastic Layer Black Under 12x12 Floor Tile W/ Light Brown Spots	Misc.	NF	5	5% Chrysotile

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

NA - Not Analyzed by Method
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Asbestos Bulk Sampling

SERVICES PROVIDED		ID	Sample Location, Coordinates Description and Other Comments	Material Type	Friable/ NonFriable	Homogenous ID	TEM %	PLM %	Quantity	Assess Cat.
PESHOGS NO. / LAB ID NO.		10	Floor B - Room 16 - Mastic Layer Black Under 12x12 Floor Tile W/ Light Brown Spots	Misc.	NF	5		NA/PS		G
/110061650-11		11	Floor B - Room 3F - Leveling Compound Under Carpet	Misc.	F	6		NAD		G
/110061650-12		12	Floor B - Room 3F - Leveling Compound Under Carpet	Misc.	F	6		NAD		G
/110061650-13		13	Floor B - Room 3F - Yellowish Brown Silver Backed Paper On Pipe Insulation	TSI	F	7		NAD		D
/110061650-14		14	Floor B - Room 3F - Yellowish Brown Silver Backed Paper On Pipe Insulation	TSI	F	7		NAD		D
/110061650-15		15	Floor B - Room 3F - Brownish Yellow Fibrous Insulation On Pipe	TSI	F	8		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

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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 %
/110061650-16	16	Floor B - Room 3F - Brownish Yellow Fibrous Insulation On Pipe	TSI	F	8	NAD
/110061650-17	17	Floor B - Room 21 - 9x9 Floor Tile Dark Brown	Misc.	NF	9	5% Chrysotile
/110061650-18	18	Floor B - Room 21 - 9x9 Floor Tile Dark Brown	Misc.	NF	9	NA/PS
/110061650-19	19	Floor B - Room 8 - Ceiling Plaster Top Coat White	Surf.	F	10	NAD
/110061650-20	20	Floor B - Room 9B - Ceiling Plaster Top Coat White	Surf.	F	10	NAD
/110061650-21	21	Floor B - Room 16L - Ceiling Plaster Top Coat White	Surf.	F	10	NAD

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 8
1970 Roanoke Blvd
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010
DATE COMPLETED: 6/16/2010
DATE REPORTED: 6/28/2010
TOTAL SAMPLE COUNT: 44
SAMPLE COLLECTOR(S): Robert See

Asbestos Bulk Sampling

SERVICES PROVIDED		Asbestos Bulk Sampling							
PESHOGS NO. / LAB ID NO.	ID	Sample Location, Coordinates	Material Type	Friable/ NonFriable	Homogenous ID	TEM %	PLM %	Quantity	Assess Cat.
/110061650-22	22	Floor B - Room 8 - Ceiling Plaster Base Coat Beige	Surf.	F	11		NAD		G
/110061650-23	23	Floor B - Room 9B - Ceiling Plaster Base Coat Beige	Surf.	F	11		NAD		G
/110061650-24	24	Floor B - Room 16L - Ceiling Plaster Base Coat Beige	Surf.	F	11		NAD		G
/110061650-25	25	Floor B - Room 8 - Wall Plaster Top Coat White	Surf.	F	12		NAD		G
/110061650-26	26	Floor B - Room 9B - Wall Plaster Top Coat White	Surf.	F	12		NAD		G
/110061650-27	27	Floor B - Room 16L - Wall Plaster Top Coat White	Surf.	F	12		NAD		G
/110061650-28	28	Floor B - Room 8 - Wall Plaster Base Coat Beige	Surf.	F	13		NAD		G

Misc. - Miscellaneous
Surf. - Surfacing
TSI - Thermal System Insulation
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NA - Not Analyzed by Method
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ASBESTOS REPORT FORM

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TOTAL SAMPLE COUNT: 44
SAMPLE COLLECTOR(S): Robert See

Asbestos Bulk Sampling

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.
/110061650-29	29	Floor B - Room 9B - VWall Plaster Base Coat Beige	Surf.	F	13		NAD		G
/110061650-30	30	Floor B - Room 16L - Wall Plaster Base Coat Beige	Surf.	F	13		NAD		G
/110061650-31	31	Floor Ext - Brick Mortar Beige	Misc.	F	14		NAD		G
/110061650-32	32	Floor Ext - Window Caulk Greenish White	Misc.	NF	15		3% Chrysotile		D
/110061650-33	33	Floor Ext - Door Caulk Greenish Brown	Misc.	NF	16		2% Chrysotile		D
/110061650-34	34	Floor 1 - Room 101 - Mastic Layer Black Under Known Negative Replacement 12x12 Floor Tile White W/	Misc.	NF	17		5% Chrysotile		G

Misc. - Miscellaneous
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NA/P/S - Not Analyzed, Positive Stop
NAD - No Asbestos Detected
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ASBESTOS REPORT FORM

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 8
1970 Roanoke Blvd
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010
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DATE REPORTED: 6/28/2010
TOTAL SAMPLE COUNT: 44
SAMPLE COLLECTOR(S): Robert See

Asbestos Bulk Sampling

SERVICES PROVIDED				Sample Location, Coordinates Description and Other Comments	Material Type	Friable/ NonFriable	Homogenous ID	TEM %	PLM %	Quantity	Assess Cat.
/110061650-35	35	Floor 1 - Room 101 - Mastic Layer Black Under Known Negative Replacement 12x12 Floor Tile White W/	Misc.	NF	17			NA/PS		G	
/110061650-36	36	Floor Sub B - Near Rm 11 - Insulation on Tank White Powdery	TSI	F	18			65% Chrysotile		G	
/110061650-37	37	Floor Sub B - Near Rm 11 - Insulation on Tank White Powdery	TSI	F	18			NA/PS		G	
/110061650-38	38	Floor Sub B - Near Rm 11 - Insulation on Tank White Powdery	TSI	F	18			NA/PS		G	
/110061650-39	39	Floor Sub B - Near Rm 11 - Insulation on Pipe Gray	TSI	F	19			40% Chrysotile		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

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ASBESTOS REPORT FORM

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 8
1970 Roanoke Blvd
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010
DATE COMPLETED: 6/16/2010
DATE REPORTED: 6/28/2010
TOTAL SAMPLE COUNT: 44
SAMPLE COLLECTOR(S): Robert See

Asbestos Bulk Sampling

SERVICES PROVIDED		Sample Location, Coordinates		Material Type	Friable/ NonFriable	Homogenous ID	TEM %	PLM %	Quantity	Assess Cat.
PESHOGS NO. / LAB ID NO.	ID	Description and Other Comments								
/110061650-40	40	Floor Sub B - Near Rm 11 - Insulation on Pipe Gray	TSI	F		19			NA/PS	D
/110061650-41	41	Floor Sub B - Near Rm 11 - Insulation on Pipe Gray	TSI	F		19			NA/PS	D
/110061650-42	42	Floor 1 - Room 106 - Mastic Layer Black Under Known Neg Congoleum Floor Tile	Misc.	NF		20			NAD	G
/110061650-43	43	Floor 1 - Room 106 - Mastic Layer Black Under Known Neg Congoleum Floor Tile	Misc.	NF		20			NAD	G
/110061650-44	44	Floor 2 - Room 213 - Mastic Layer Gold Under 12x12 White W/ Heavy Tan Streaks	Misc.	NF				8%	Chrysotile	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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UK - Unknown

APPENDIX C

ASBESTOS ANALYTICAL RESULTS

AND CHAIN OF CUSTODY FORM

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 #** 110061650
Date Examined 06/23/10 **P.O. #**
Page 1 **of** 8
RE: VAMC:10079.00-IN; Salem VA Medical Center; Building 8;
 1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
1	110061650-01	Yes	15 %
1	Location: Room 17 - Mastic Layer Black Under Known Neg Manufacture 12x12 Floor Tile Light Green w/White Streaks	(by CVES) by Donna M. Blackwell on 06/23/10	
	Analyst Description: Black, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 15.0 % Other Material: Non-fibrous 85 %		
2	110061650-02		NA/PS
1	Location: Room 17 - Mastic Layer Black Under Known Neg Manufacture 12x12 Floor Tile Light Green w/White Streaks		
	Analyst Description: Bulk Material Asbestos Types: Other Material:		
3	110061650-03	No	NAD
2	Location: Room 20 - 12x12 Floor Tile Off White w/Tan & Gray Streaks	(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 %		
4	110061650-04	No	NAD
2	Location: Room 20 - 12x12 Floor Tile Off White w/Tan & Gray Streaks	(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 %		
5	110061650-05	Yes	5 %
3	Location: Room 20 - Mastic Layer Black Under 12x12 Floor Tile Off White w/Tan & Gray Streaks	(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 %		

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos Report

VAMC:10079.00-IN; Salem VA Medical Center; Building 8;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
6	110061650-06		NA/PS
3	Location: Room 20 - Mastic Layer Black Under 12x12 Floor Tile Off White w/Tan & Gray Streaks		
	Analyst Description: Bulk Material Asbestos Types: Other Material:		
7	110061650-07	Yes	3 %
4	Location: Room 16 - 12x12 Floor Tile w/Light Brown Spots	(by CVES) by Donna M. Blackwell on 06/23/10	
	Analyst Description: Lt. Brown, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Chrysotile 3.0 % Other Material: Non-fibrous 97 %		
8	110061650-08		NA/PS
4	Location: Room 16 - 12x12 Floor Tile w/Light Brown Spots		
	Analyst Description: Bulk Material Asbestos Types: Other Material:		
9	110061650-09	Yes	5 %
5	Location: Room 16 - Mastic Layer Black Under 12x12 Floor Tile w/Light Brown Spots	(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 %		
10	110061650-10		NA/PS
5	Location: Room 16 - Mastic Layer Black Under 12x12 Floor Tile w/Light Brown Spots		
	Analyst Description: Bulk Material Asbestos Types: Other Material:		
11	110061650-11	No	NAD
6	Location: Room 3F - Leveling Compound Under Carpet	(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 %		

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos Report

VAMC:10079.00-IN; Salem VA Medical Center; Building 8;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
12	110061650-12	No	NAD
6	Location: Room 3F - Leveling Compound Under Carpet		(by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
13	110061650-13	No	NAD
7	Location: Room 3F - Yellowish Brown Silver Backed Paper On Pipe Insulation		(by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Yellow/Black/Silver, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 40 %, Non-fibrous 60 %			
14	110061650-14	No	NAD
7	Location: Room 3F - Yellowish Brown Silver Backed Paper On Pipe Insulation		(by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Yellow/Silver, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 30 %, Non-fibrous 70 %			
15	110061650-15	No	NAD
8	Location: Room 3F - Brownish Yellow Fibrous Insulation On Pipe		(by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Tan, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 100 %			
16	110061650-16	No	NAD
8	Location: Room 3F - Brownish Yellow Fibrous Insulation On Pipe		(by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Brown/Yellow, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 100 %			
17	110061650-17	Yes	5 %
9	Location: Room 21 - 9x9 Floor Tile Dark Brown		(by CVES) by Donna M. Blackwell on 06/23/10
Analyst Description: Dark Brown, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95 %			

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos Report

VAMC:10079.00-IN; Salem VA Medical Center; Building 8;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
18	110061650-18		NA/PS
9	Location: Room 21 - 9x9 Floor Tile Dark Brown		
Analyst Description: Bulk Material Asbestos Types: Other Material:			
19	110061650-19	No	NAD
10	Location: Room 8 - Ceiling Plaster Top Coat White	(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 %			
20	110061650-20	No	NAD
10	Location: Room 9B - Ceiling Plaster Top Coat White	(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 %			
21	110061650-21	No	NAD
10	Location: Room 16L - Ceiling Plaster Top Coat White	(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 %			
22	110061650-22	No	NAD
11	Location: Room 8 - Ceiling Plaster Base Coat Beige	(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 %			
23	110061650-23	No	NAD
11	Location: Room 9B - Ceiling Plaster Base Coat Beige	(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 %			

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos Report

VAMC:10079.00-IN; Salem VA Medical Center; Building 8;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
24	110061650-24	No	NAD
11	Location: Room 16L - Ceiling Plaster Base Coat Beige		(by CVES) by Donna M. Blackwell on 06/23/10
			Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %
25	110061650-25	No	NAD
12	Location: Room 8 - Wall Plaster Top Coat White		(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 %
26	110061650-26	No	NAD
12	Location: Room 9B - Wall Plaster Top Coat White		(by CVES) by Donna M. Blackwell on 06/23/10
			Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %
27	110061650-27	No	NAD
12	Location: Room 16L - Wall Plaster Top Coat White		(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	110061650-28	No	NAD
13	Location: Room 8 - Wall Plaster Base Coat Beige		(by CVES) by Donna M. Blackwell on 06/23/10
			Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %
29	110061650-29	No	NAD
13	Location: Room 9B - Wall Plaster Base Coat Beige		(by CVES) by Donna M. Blackwell on 06/23/10
			Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos Report

VAMC:10079.00-IN; Salem VA Medical Center; Building 8;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
30	110061650-30	No	NAD
13	Location: Room 16L - Wall Plaster Base Coat Beige		(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	110061650-31	No	NAD
	Location: Brick Mortar Beige		(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 %		
32	110061650-32	Yes	3 %
	Location: Window Caulk Greenish White		(by CVES) by Donna M. Blackwell on 06/23/10
	Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 3.0 % Other Material: Non-fibrous 97 %		
33	110061650-33	Yes	2 %
	Location: Door Caulk Greenish Brown		(by CVES) by Donna M. Blackwell on 06/23/10
	Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 2.0 % Other Material: Non-fibrous 98 %		
34	110061650-34	Yes	5 %
14	Location: Room 101 - Mastic Layer Black Under Know Negative Replacement 12x12 Floor Tile White		(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 %		
35	110061650-35		NA/PS
14	Location: Room 101 - Mastic Layer Black Under Know Negative Replacement 12x12 Floor Tile White		
	Analyst Description: Bulk Material Asbestos Types: Other Material:		

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos Report

VAMC:10079.00-IN; Salem VA Medical Center; Building 8;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
36	110061650-36	Yes	65 %
15	Location: Near Rm 11 - Insulation On Tank White Powdery		(by CVES) by Donna M. Blackwell on 06/23/10
		Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material	
		Asbestos Types: Chrysotile 65.0 %	
		Other Material: Non-fibrous 35 %	
37	110061650-37		NA/PS
15	Location: Near Rm 11 - Insulation On Tank White Powdery		
		Analyst Description: Bulk Material	
		Asbestos Types:	
		Other Material:	
38	110061650-38		NA/PS
15	Location: Near Rm 11 - Insulation On Tank White Powdery		
		Analyst Description: Bulk Material	
		Asbestos Types:	
		Other Material:	
39	110061650-39	Yes	40 %
16	Location: Near Rm 11 - Insulation On Pipe Gray		(by CVES) by Donna M. Blackwell on 06/23/10
		Analyst Description: White, Heterogeneous, Fibrous, Bulk Material	
		Asbestos Types: Chrysotile 40.0 %	
		Other Material: Non-fibrous 60 %	
40	110061650-40		NA/PS
16	Location: Near Rm 11 - Insulation On Pipe Gray		
		Analyst Description: Bulk Material	
		Asbestos Types:	
		Other Material:	
41	110061650-41		NA/PS
16	Location: Near Rm 11 - Insulation On Pipe Gray		
		Analyst Description: Bulk Material	
		Asbestos Types:	
		Other Material:	

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos Report

VAMC:10079.00-IN; Salem VA Medical Center; Building 8;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
42	110061650-42	No	NAD
17	Location: Room 106 - Mastic Layer Black Under Known Neg Congoleum Floor Tile	(by CVES) by Donna M. Blackwell on 06/23/10	
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
43	110061650-43	No	NAD
17	Location: Room 106 - Mastic Layer Black Under Known Neg Congoleum Floor Tile	(by CVES) by Donna M. Blackwell on 06/23/10	
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
44	110061650-44	Yes	8 %
	Location: Room 213 - Mastic Layer Gold Under 12x12 White w/Heavy Tan Streaks	(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 %			

Reporting Notes:

Analyzed by: Donna M. Blackwell Date 6/23/10
 *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: TJL



Environmental 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 8
1970 Roanoke Blvd
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010

DATE COMPLETED:6/18/2010

DATE REPORTED:

TOTAL SAMPLE COUNT: 44

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	Room 17 - Mastic Layer Black Under Known Neg Manufacture 12x12 Floor Tile Light Green W/ White Streaks	NF		G
2	B	1	Room 17 - Mastic Layer Black Under Known Neg Manufacture 12x12 Floor Tile Light Green W/ White Streaks	NF		G
3	B	2	Room 20 - 12x12 Floor Tile Off White W/ Tan & Gray Streaks	NF		G
4	B	2	Room 20 - 12x12 Floor Tile Off White W/ Tan & Gray Streaks	NF		G
5	B	3	Room 20 - Mastic Layer Black Under 12x12 Floor Tile Off White W/ Tan & Gray Streaks	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

Page 1 of 6

Robert See

By _____

Received by:

By _____

Relinquished by:

By _____

Received by:

By _____

DEGELIV'D
JUN 22 2010
By _____

Chain of Custody

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION:Salem VAMC Bldg 8
1970 Roanoke Blvd
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010 **DATE COMPLETED:** 6/18/2010
DATE REPORTED: **TOTAL SAMPLE COUNT:** 44
SAMPLE COLLECTOR(S): Robert See

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DATE RECEIVED: 6/7/2010
DATE COMPLETED: 6/18/2010

DATE REPORTED: TOTAL SAMPLE COUNT: 44
SAMPLE COLLECTOR(S): Robert See

Sample ID#	Floor Level	Homogenous Area	Sample Location/Description	Quantity (in feet)	Friable NonFriable	Condition SD, D, G, UK:
6	B	3	Room 20 - Mastic Layer Black Under 12x12 Floor Tile Off White W/ Tan & Gray Streaks	NF	NF	G
7	B	4	Room 16 - 12x12 Floor Tile W/ Light Brown Spots	NF	NF	G
8	B	4	Room 16 - 12x12 Floor Tile W/ Light Brown Spots	NF	NF	G
9	B	5	Room 16 - Mastic Layer Black Under 12x12 Floor Tile W/ Light Brown Spots	NF	NF	G
10	B	5	Room 16 - Mastic Layer Black Under 12x12 Floor Tile W/ Light Brown Spots	NF	NF	G
11	B	6	Room 3F - Leveling Compound Under Carpet		F	G
12	B	6	Room 3F - Leveling Compound Under Carpet		F	G
13	B	7	Room 3F - Yellowish Brown Silver Backed Paper On Pipe Insulation		F	D

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

Special Instructions/ Turnaround Time:

Page 2 of 6

Robert G. Lee

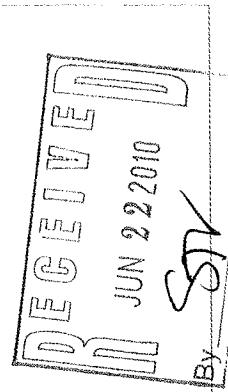
માનુષિક

Test by PLM

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

Relinquished by:

Received by:



Chain of Custody

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION:Salem VAMC Bldg 8
1970 Roanoke Blvd
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010

DATE COMPLETED: 6/18/2010

DATE REPORTED:

TOTAL SAMPLE COUNT: 44

SAMPLE COLLECTOR(S): Robert See

110061650

Sample ID#	Floor Level	Homogenous Area	Sample Location/Description	Quantity (in feet)	Friable NonFriable	Condition SD, D, G, UK:
14	B	7	Room 3F - Yellowish Brown Silver Backed Paper On Pipe Insulation	F	F	D
15	B	8	Room 3F - Brownish Yellow Fibrous Insulation On Pipe	F	F	D
16	B	8	Room 3F - Brownish Yellow Fibrous Insulation On Pipe	F	F	D
17	B	9	Room 21 - 9x9 Floor Tile Dark Brown	NF	NF	SD
18	B	9	Room 21 - 9x9 Floor Tile Dark Brown	NF	NF	SD
19	B	10	Room 8 - Ceiling Plaster Top Coat White	F	F	G
20	B	10	Room 9B - Ceiling Plaster Top Coat White	F	F	G
21	B	10	Room 16L - Ceiling Plaster Top Coat White	F	F	G
22	B	11	Room 8 - Ceiling Plaster Base Coat Beige	F	F	G
23	B	11	Room 9B - Ceiling Plaster Base Coat Beige	F	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@adelaidelc.com

Page 3 of 6

Relinquished by:

Robert See

Received by:

DECEIVE
JUN 22 2010
STV
By _____

Relinquished by:

DECEIVE
JUN 22 2010
STV
By _____

Chain of Custody

110061650

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION:Salem VAMC Bldg 8
1970 Roanoke Blvd
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010

DATE COMPLETED: 6/18/2010

DATE REPORTED:

TOTAL SAMPLE COUNT: 44

SAMPLE COLLECTOR(S): Robert See

Sample ID#	Floor Level	Homogenous Area	Sample Location/Description	Quantity (in feet)	Friable NonFriable	Condition SD, D, G, UK:
24	B	11	Room 16L - Ceiling Plaster Base Coat Beige		F	G
25	B	12	Room 8 - Wall Plaster Top Coat White		F	G
26	B	12	Room 9B - Wall Plaster Top Coat White		F	G
27	B	12	Room 16L - Wall Plaster Top Coat White		F	G
28	B	13	Room 8 - Wall Plaster Base Coat Beige		F	G
29	B	13	Room 9B - Wall Plaster Base Coat Beige		F	G
30	B	13	Room 16L - Wall Plaster Base Coat Beige		F	G
31	Ext	14	Brick Mortar Beige		F	G
32	Ext	15	Window Caulk Greenish White		NF	D
33	Ext	16	Door Caulk Greenish Brown		NF	D

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

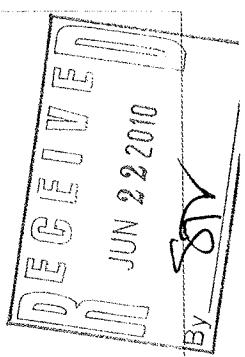
Special Instructions/ Turnaround Time:
Robert See

Page 4 of 6

Relinquished by: *Robert See*
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

Relinquished by: *Robert See*
Received by:



Chain of Custody

110061650

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION:Salem VAMC Bldg 8
1970 Roanoke Blvd
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010
DATE COMPLETED: 6/18/2010
DATE REPORTED:
TOTAL SAMPLE COUNT: 44
SAMPLE COLLECTOR(S): Robert See

Sample ID#	Floor Level	Homogenous Area	Sample Location/Description	Quantity (in feet)	Friable NonFriable	Condition SD, D, G, UK:
34	1	17	Room 101 - Mastic Layer Black Under Known Negative Replacement 12x12 Floor Tile White W/	NF	NF	G
35	1	17	Room 101 - Mastic Layer Black Under Known Negative Replacement 12x12 Floor Tile White W/	NF	NF	G
36	Sub B	18	Near Rm 11 - Insulation on Tank White Powdery	F	F	G
37	Sub B	18	Near Rm 11 - Insulation on Tank White Powdery	F	F	G
38	Sub B	18	Near Rm 11 - Insulation on Tank White Powdery	F	F	G
39	Sub B	19	Near Rm 11 - Insulation on Pipe Gray	F	F	D
40	Sub B	19	Near Rm 11 - Insulation on Pipe Gray	F	F	D
41	Sub B	19	Near Rm 11 - Insulation on Pipe Gray	F	F	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

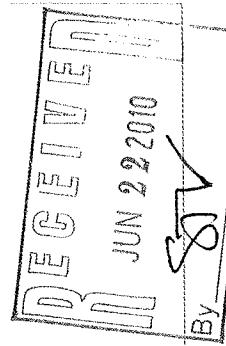
Page 5 of 6

Relinquished by: *Robert See*

Received by:

Relinquished by:

Received by:



Chain of Custody

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION:Salem VAMC Bldg 8
1970 Roanoke Blvd
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010
DATE COMPLETED: 6/18/2010
DATE REPORTED:
TOTAL SAMPLE COUNT: 44
SAMPLE COLLECTOR(S): Robert See

110061650

Sample ID#	Floor Level	Homogenous Area	Sample Location/Description	Quantity (in feet)	Friable NonFriable	Condition SD, D, G, UK:
42	1	20	Room 106 - Mastic Layer Black Under Known Neg Congoleum Floor Tile	NF		G
43	1	20	Room 106 - Mastic Layer Black Under Known Neg Congoleum Floor Tile	NF		G
44	2		Room 213 - Mastic Layer Gold Under 12x12 White W/ Heavy Tan Streaks	NF		G

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

Special Instructions/ Turnaround Time:

Test by PLM

Page 6 of 6

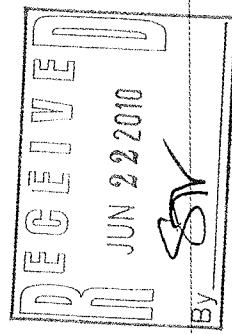
Relinquished by: *Robert See*

Received by:

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

Relinquished by:

Received by:



APPENDIX D
SAMPLE LOCATION MAP
AND PHOTOS



9x9 Floor Tile Dark Brown



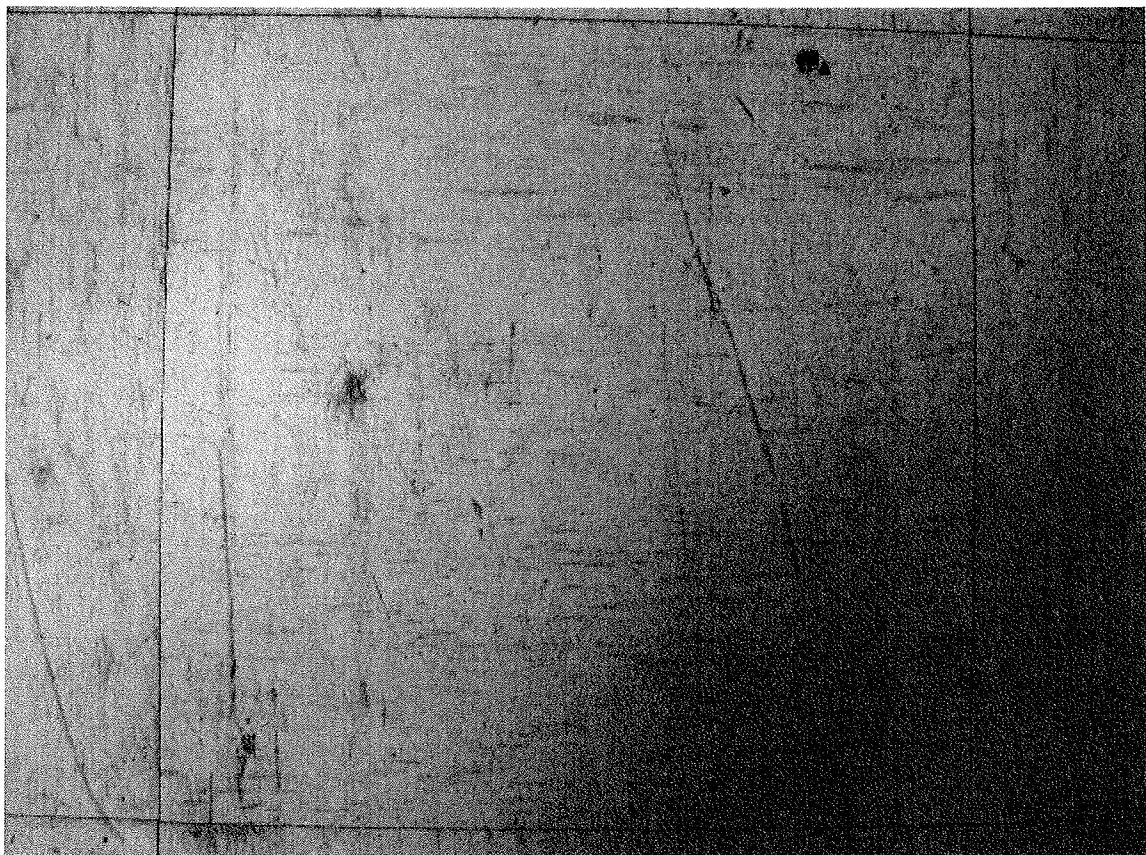
12x12 Floor Tile with Light Brown Spots



Window Caulk Greenish White



Door Caulk Greenish Brown



Known Positive Floor Tile White with Gray and Brown Streaks



Gold Mastic under 12x12 Floor Tile White with Heavy Tan Streaks

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

AMERICA SCIENCE TEAM RICHMOND, INC
13635 GENITO ROAD

MIDLOTHIAN, VA 23112

PCM
PLM
TEM



Jay W. DeBoer
Jay W. DeBoer, Director

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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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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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JOHN W SOTER
22 JOSH LANE

DANBURY CT 06811



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Telephone: (804) 367-8500

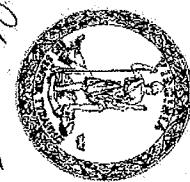
NUMBER

3303 003575

**VIRGINIA ASBESTOS LICENSE
INSPECTOR LICENSE**

**ROBERT A SEE
15 BOYCE ST**

BEACON, NY 12508



Gordon N. Dixon
Gordon N. Dixon, Director

(POCKET CARD)

COMMONWEALTH OF VIRGINIA

VIRGINIA ASBESTOS LICENSE

INSPECTOR LICENSE

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

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BEACON NY 12508

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