



**Adelaide Environmental Health Associates, Inc.**

**COMPREHENSIVE SURVEY FOR ASBESTOS CONTAINING  
MATERIALS**

*PERFORMED AT:*

**Building 15  
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:*

**July 19, 2010**

**Submitted by:**

**Stephanie A. Soter  
President**

# **COMPREHENSIVE SURVEY FOR ASBESTOS CONTAINING MATERIALS**

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## **1.0 BACKGROUND/PURPOSE**

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

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

Building 15 is located on the VAMC campus located at 1970 Roanoke Blvd, Salem, Virginia 24153. It is a single story structure with a basement, constructed of brick and built circa 1933. Following the scope of work that was provided from the VAMC, Adelaide inspected all accessible areas of Building 15. 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 twenty-six (26) 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 Tabular List of Positive Materials by Room, 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	Location of Material	Asbestos Content and Type
Samples Taken by Adelaide Environmental			
Kitchen Sink Basin Coating (White)	3 SF	Kitchen (Room 104K)	3% Chrysotile
Exterior Window Caulk for Aluminum Windows	100 LF	Breezeway (Room 116) Windows	3% Chrysotile
Exterior Door Caulk	100 LF	All Exterior Doors	3% Chrysotile
Exterior Window Caulk for Old Steel Windows	500 LF	All Steel Windows	4% Chrysotile
Sidewalk and Foundation Expansion Board (Black)	500 LF	All exterior locations at sidewalks and foundations	3% Chrysotile
Samples Taken Previously by Applied Laboratory Service (ALS) in 2002			
Pipe Insulation (Multiple sizes)*	2500 LF	Room 115, 116 and throughout basement	35% Amosite and/or 45% Chrysotile
Pipe Elbow Insulation (Multiple sizes)*	300 LF	Room 115, 116 and throughout basement	60% Chrysotile and/or 25% Amosite
Brownish Red 9"x9" Floor Tile	215 SF	Rooms 110, 111, 111A and 113A	15% Chrysotile
9"x9" Floor Tile Mastic	215 SF	Rooms 110, 111, 111A and 113A	5% Chrysotile

\*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:

- #3 – Sink Basin Coating (White)
- #7 – Window Caulk for Aluminum Windows
- #9 – Door Caulk (Exterior)
- #10 – Old Window Caulk (Steel Windows)
- #12 – Sidewalk and Foundation Expansion Board ( Black)
- #13 – Pipe Insulation
- #14 – Pipe Fitting Insulation (not associated with fiberglass piping)
- #15 – Brownish Red 9"x9" Floor tiles
- #16 – Floor Tile Mastic

## **Negative Material List**

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

- Brick Mortar
- Plaster – Top and Base Coats
- Drywall
- Joint compound
- Window glazing compound for aluminum windows
- Window glazing compound for steel windows
- Mudded pipe fitting insulation on fiberglass pipe insulated lines
- Fiberglass insulations
- 2'x2' Ceiling Tiles

## **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
Entire Basement (Rooms 1-6)	13 & 14	Pipe Insulation and Pipe Fitting Insulation	2300 LF	Good/Defer Action/None Required
Room 104K	3	Sink Basin Coating (White)	3 SF	Good/Defer Action/None Required
Room 110	15 & 16	Brownish Red 9"x9" Floor Tile and Mastic	23 SF	Good/Defer Action/None Required
Room 111	15 & 16	Brownish Red 9"x9" Floor Tile and Mastic	61 SF	Good/Defer Action/None Required
Room 111A	15 & 16	Brownish Red 9"x9" Floor Tile and Mastic	33 SF	Good/Defer Action/None Required
Room 113A	15 & 16	Brownish Red 9"x9" Floor Tile and Mastic	98 SF	Good/Defer Action/None Required
Room 115	13 & 14	Pipe Insulation and Pipe Fitting Insulation	24 LF	Good/Defer Action/None Required
Room 116	9, 10, 13 & 14	Door Caulk, Window Caulk, Pipe Insulation and Pipe Fitting Insulation	40LF(Door), 100LF(Window) , 4 LF (piping)	Good/Defer Action/None Required
Exterior	7, 9, 10 & 12	Aluminum Window Caulk, Door Caulk, Steel Window Caulk, Sidewalk Expansion Board	500LF(Wind.) 60LF(Door), 500LF (Expansion)	Good/Defer Action/None Required

**APPENDIX B**

**ASBESTOS REPORT FORM**



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

## ASBESTOS REPORT FORM

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 15  
1970 Roanoke Blvd  
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010  
DATE COMPLETED: 6/17/2010  
DATE REPORTED: 6/23/2010  
TOTAL SAMPLE COUNT: 26  
SAMPLE COLLECTOR(S): James Reber, Tom Ferro

### 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.
/110061657-01	1	Floor 1 - Plaster - Top Coat	Surf.	F	1		NAD	1000	G
/110061657-02	2	Floor 1 - Plaster - Top coat	Surf.	F	1		NAD	1000	G
/110061657-03	3	Floor 1 - Plaster - Top Coat	Surf.	F	1		NAD		G
/110061657-04	4	Floor 1 - Plaster - Base Coat	Surf.	F	2		NAD		G
/110061657-05	5	Floor 1 - Plaster - Base Coat	Surf.	F	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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PESHOGS NO. / LAB ID NO.	ID	Sample Location, Coordinates Description and Other Comments	Material Type	Friable/ NonFriable	Homogenous ID	TEM %	PLM %	Quantity	Assess Cat.
/110061657-06	6	Floor 1 - Plaster - Base Coat	Surf.	F	2		NAD		G
/110061657-07	7	Floor 1 - Kitchen - Sink Basin Coating (white)	Misc.	F	3		3% Chrysotile		G
/110061657-08	8	Floor 1 - Kitchen - Sink Basin Coating (white)	Misc.	F	3		NA/PS		G
/110061657-09	9	Floor 1 - Room 119 - Drywall	Misc.	F	4		NAD		G
/110061657-10	10	Floor 1 - Room 118 - Drywall	Misc.	F	4		NAD		G
/110061657-11	11	Floor 1 - Room 119 - joint compound	Misc.	F	5		NAD		G
/110061657-12	12	Floor 1 - Room 118 - Joint compound	Misc.	F	5		NAD		G

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PESHOGS NO. / LAB ID NO.	ID	Sample Location, Coordinates Description and Other Comments	Material Type	Friable/ NonFriable	Homogenous ID	TEM %	PLM %	Quantity	Assess Cat.
/110061657-13	13	Floor 1 - Corridor 116 - Window glazing for aluminum windows	Misc.	NF	6		NAD		G
/110061657-14	14	Floor 1 - Corridor 116 - Window glazing for aluminum windows	Misc.	NF	6		NAD	125 LF	G
/110061657-15	15	Floor G - Exterior of Cor. 116 - Window Caulk for aluminum windows	Misc.	NF	7		3% Chrysotile	75 LF	G
/110061657-16	16	Floor G - Exterior of Cor. 116 - Window Caulk for aluminum windows	Misc.	NF	7		NA/PS	75 LF	G
/110061657-17	17	Floor G - Exterior - Brick mortar	Misc.	F	8		NAD	10000	G
/110061657-18	18	Floor G - Exterior - Brick mortar	Misc.	F	8		NAD	10000	G

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PESHOGS NO. / LAB ID NO.	ID	Sample Location, Coordinates Description and Other Comments	Material Type	Friable/ NonFriable	Homogenous ID	TEM %	PLM %	Quantity	Assess Cat.
/110061657-19	19	Floor G - Exterior - Door caulk	Misc.	NF	9		3% Chrysotile	80 LF	G
/110061657-20	20	Floor G - Exterior - Door Caulk	Misc.	NF	9		NA/PS	80 LF	G
/110061657-21	21	Floor 1 - Corridor 116 - Old window caulk (steel windows)	Misc.	NF	10		4% Chrysotile		G
/110061657-22	22	Floor 1 - Corridor 116 - Old window caulk (steel windows)	Misc.	NF	10		NA/PS		G
/110061657-23	23	Floor 1 - Room 111 - Window glazing compound for steel windows	Misc.	NF	11		NAD		G
/110061657-24	24	Floor 1 - Room 111 - Window glazing compound for steel windows	Misc.	NF	11		NAD		G

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SAMPLE COLLECTOR(S): James Reber, Tom Ferro

## 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.
/110061657-25	25	Floor G - Exterior - sidewalk and foundation expansion board (black)	Misc.	NF	12		3% Chrysotile		G
/110061657-26	26	Floor G - xterior - sidewalk and foundation expansion board (black)	Misc.	NF	12		NA/PS		G

Misc. - Miscellaneous  
Surf. - Surfacing  
TSI - Thermal System Insulation  
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**APPENDIX C**

**ASBESTOS ANALYTICAL RESULTS**

**AND CHAIN OF CUSTODY FORM**



**AmeriSci Richmond**

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

## PLM Bulk Asbestos Report

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

**Date Received** 06/22/10 **AmeriSci Job #** 110061657  
**Date Examined** 06/23/10 **P.O. #**  
**Page** 1 **of** 5  
**RE:** VAMC:10079.00-IN; Salem VA Medical Center; Building 15;  
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
1 1 <b>Location:</b> Plaster - Top Coat	110061657-01	No	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
2 1 <b>Location:</b> Plaster - Top Coat	110061657-02	No	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
3 1 <b>Location:</b> Plaster - Top Coat	110061657-03	No	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
4 2 <b>Location:</b> Plaster - Base Coat	110061657-04	No	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Brown, Heterogeneous, Non-Fibrous, Base Coat (Plaster) <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
5 2 <b>Location:</b> Plaster - Base Coat	110061657-05	No	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Brown, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster) <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			

Client Name: Adelaide Environmental Health

**PLM Bulk Asbestos Report**VAMC:10079.00-IN; Salem VA Medical Center; Building 15;  
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
6 2	110061657-06 Location: Plaster - Base Coat	No	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Brown, Heterogeneous, Non-Fibrous, Base Coat (Plaster) <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
7 3	110061657-07 Location: Kitchen - Sink Basin Coating (White)	Yes	3 % (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> White, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> Chrysotile 3.0 % <b>Other Material:</b> Non-fibrous 97 %			
8 3	110061657-08 Location: Kitchen - Sink Basin Coating (White)		NA/PS
<b>Analyst Description:</b> Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b>			
9 4	110061657-09 Location: Room 119 - Drywall	No	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Gray, Heterogeneous, Non-Fibrous, Drywall <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 5 %, Fibrous glass 10 %, Non-fibrous 85 %			
10 4	110061657-10 Location: Room 118 - Drywall	No	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Gray, Heterogeneous, Non-Fibrous, Drywall <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 5 %, Fibrous glass 10 %, Non-fibrous 85 %			
11 5	110061657-11 Location: Room 119 - Joint Compound	No	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> White, Heterogeneous, Non-Fibrous, Joint Compound <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			

Client Name: Adelaide Environmental Health

**PLM Bulk Asbestos Report**VAMC:10079.00-IN; Salem VA Medical Center; Building 15;  
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
12 5	110061657-12 <b>Location:</b> Room 118 - Joint Compound	<b>No</b>	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> White, Heterogeneous, Non-Fibrous, Joint Compound <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
13 6	110061657-13 <b>Location:</b> Corridor 116 - Window Glazing For Aluminum Windows	<b>No</b>	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> White, Heterogeneous, Non-Fibrous, Window Glazing <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
14 6	110061657-14 <b>Location:</b> Corridor 116 - Window Glazing For Aluminum Windows	<b>No</b>	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> White, Heterogeneous, Non-Fibrous, Window Glazing <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
15 7	110061657-15 <b>Location:</b> Exterior of Cor. 116 - Window Caulk For Aluminum Windows	<b>Yes</b>	3 % (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> White, Heterogeneous, Non-Fibrous, Window Caulk <b>Asbestos Types:</b> Chrysotile 3.0 % <b>Other Material:</b> Non-fibrous 97 %			
16 7	110061657-16 <b>Location:</b> Exterior of Cor. 116 - Window Caulk For Aluminum Windows		NA/PS
<b>Analyst Description:</b> Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b>			
17 8	110061657-17 <b>Location:</b> Exterior - Brick Mortar	<b>No</b>	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Tan, Heterogeneous, Non-Fibrous, Cementitious, Mortar <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			

Client Name: Adelaide Environmental Health

**PLM Bulk Asbestos Report**VAMC:10079.00-IN; Salem VA Medical Center; Building 15;  
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
18 8	110061657-18 Location: Exterior - Brick Mortar	No	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Tan, Heterogeneous, Non-Fibrous, Cementitious, Mortar <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
19 9	110061657-19 Location: Exterior - Door Caulk	Yes	3 % (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Gray, Heterogeneous, Non-Fibrous, Caulk <b>Asbestos Types:</b> Chrysotile 3.0 % <b>Other Material:</b> Non-fibrous 97 %			
20 9	110061657-20 Location: Exterior - Door Caulk		NA/PS
<b>Analyst Description:</b> Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b>			
21 10	110061657-21 Location: Corridor 116 - Old Window Caulk (Steel Windows)	Yes	4 % (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> White/Brown, Heterogeneous, Non-Fibrous, Window Caulk <b>Asbestos Types:</b> Chrysotile 4.0 % <b>Other Material:</b> Non-fibrous 96 %			
22 10	110061657-22 Location: Corridor 116 - Old Window Caulk (Steel Windows)		NA/PS
<b>Analyst Description:</b> Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b>			
23 11	110061657-23 Location: Room 111 - Window Glazing Compound For Steel Windows	No	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> White, Heterogeneous, Non-Fibrous, Window Glazing <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			

Client Name: Adelaide Environmental Health

**PLM Bulk Asbestos Report**VAMC:10079.00-IN; Salem VA Medical Center; Building 15;  
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
24 11	110061657-24 <b>Location:</b> Room 111 - Window Glazing Compound For Steel Windows	<b>No</b>	NAD (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> White, Heterogeneous, Non-Fibrous, Window Glazing <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
25 12	110061657-25 <b>Location:</b> Exterior - Sidewalk and Foundation Expansion Board (Black)	<b>Yes</b>	3 % (by CVES) by J. Samuel Baird on 06/23/10
<b>Analyst Description:</b> Black, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> Chrysotile 3.0 % <b>Other Material:</b> Non-fibrous 97 %			
26 12	110061657-26 <b>Location:</b> Exterior - Sidewalk and Foundation Expansion Board (Black)		NA/PS
<b>Analyst Description:</b> Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b>			

**Reporting Notes:**Analyzed by: J. Samuel Baird J. Samuel Baird 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: JM



Adelaide

Environmental Health Associates, Inc.

110061657

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 VA Medical Center - Building 15  
1970 Roanoke Blvd  
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010

DATE COMPLETED: 6/17/2010

DATE REPORTED:

TOTAL SAMPLE COUNT: 26

SAMPLE COLLECTOR(S): James Reber and Tom Ferro

Sample ID#	Floor Level	Homogenous Area	Sample Location/Description	Quantity (in feet)	Friable NonFriable	Condition SD, D, G, UK:
1	1	1	Plaster - Top Coat	1000	F	G
2	1	1	Plaster - Top coat	1000	F	G
3	1	1	Plaster - Top Coat		F	G
4	1	2	Plaster - Base Coat		F	G
5	1	2	Plaster - Base Coat		F	G
6	1	2	Plaster - Base Coat		F	G
7	1	3	Kitchen - Sink Basin Coating (white)		F	G

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

Page 1 of 3

Special Instructions/ Turnaround Time:

Analyze all samples by PLM only

Stop at 1st Positive per Homogenous Area

Fax Results to 845-278-7750

E-Mail Results to AdelaideLabResults@adelaidellc.com

72 hr TAT

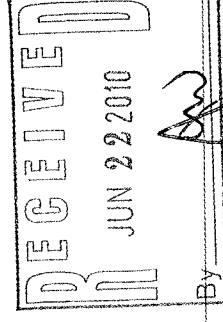
Relinquished by:

Received by:

Relinquished by:

Received by:

*John*



# Chain of Custody

110061657

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 15  
1970 Roanoke Blvd  
Salem, Virginia 24153

DATE RECIEVED: 6/7/2010  
DATE COMPLETED: 6/17/2010  
DATE REPORTED:  
TOTAL SAMPLE COUNT: 26  
SAMPLE COLLECTOR(S): James Reber and Tom Ferro

Sample ID#	Floor Level	Homogenous Area	Sample Location/Description	Quantity (in feet)	Friable		Condition
					NonFriable	SD, D, G, UK:	
8	1	3	Kitchen - Sink Basin Coating (white)		F		G
9	1	4	Room 119 - Drywall		F		G
10	1	4	Room 118 - Drywall		F		G
11	1	5	Room 119 - joint compound		F		G
12	1	5	Room 118 - Joint compound		F		G
13	1	6	Corridor 116 - Window glazing for aluminum windows		NF		G
14	1	6	Corridor 116 - Window glazing for aluminum windows	125 LF	NF		G
15	G	7	Exterior of Cor. 116 - Window Caulk for aluminum windows	75 LF	NF		G
16	G	7	Exterior of Cor. 116 - Window Caulk for aluminum windows	75 LF	NF		G
17	G	8	Exterior - Brick mortar	10000	F		G

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

Page 2 of 3

Special Instructions/ Turnaround Time:

Analyze all samples by PLM only

Stop at 1st Positive per Homogenous Area

Fax Results to 845-278-7750

E-Mail Results to AdelaideLabResults@adelaidellc.com

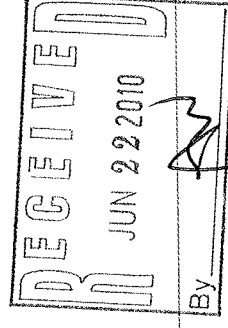
72 hr TAT

Relinquished by:

Received by:

Relinquished by:

Received by:



# Chain of Custody

11006165

PROJECT NUMBER: VAMC:10079.00-IN  
 PROJECT LOCATION: Salem VA Medical Center - Building 15  
 1970 Roanoke Blvd  
 Salem, Virginia 24153  
 DATE RECEIVED: 6/7/2010  
 DATE COMPLETED: 6/17/2010  
 DATE REPORTED:  
 TOTAL SAMPLE COUNT: 26  
 SAMPLE COLLECTOR(S): James Reber and Tom Ferro

Sample ID#	Floor Level	Homogenous Area	Sample Location/Description	Quantity (in feet)	Friable NonFriable	Condition SD, D, G, UK:
18	G	8	Exterior - Brick mortar	10000	F	G
19	G	9	Exterior - Door caulk	80 LF	NF	G
20	G	9	Exterior - Door Caulk	80 LF	NF	G
21	1	10	Corridor 116 - Old window caulk (steel windows)		NF	G
22	1	10	Corridor 116 - Old window caulk (steel windows)		NF	G
23	1	11	Room 111 - Window glazing compound for steel windows		NF	G
24	1	11	Room 111 - Window glazing compound for steel windows		NF	G
25	G	12	Exterior - sidewalk and foundation expansion board (black)		NF	G
26	G	12	Exterior - sidewalk and foundation expansion board (black)		NF	G

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

Special Instructions/ Turnaround Time:

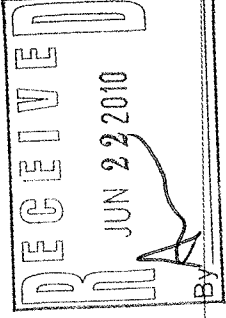
Analyze all samples by PLM only  
 Stop at 1st Positive per Homogenous Area  
 Fax Results to 845-278-7750  
 E-Mail Results to AdelaideLabResults@adelaidellc.com  
 72 hr TAT

Relinquished by:

Received by:

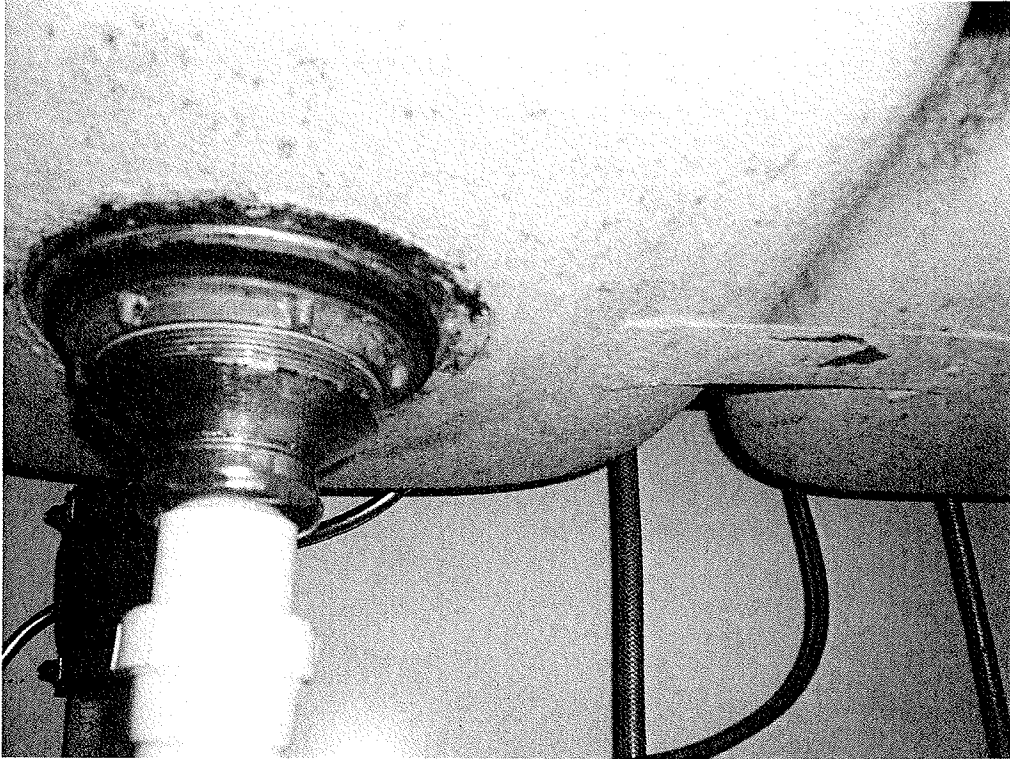
Relinquished by:

Received by:

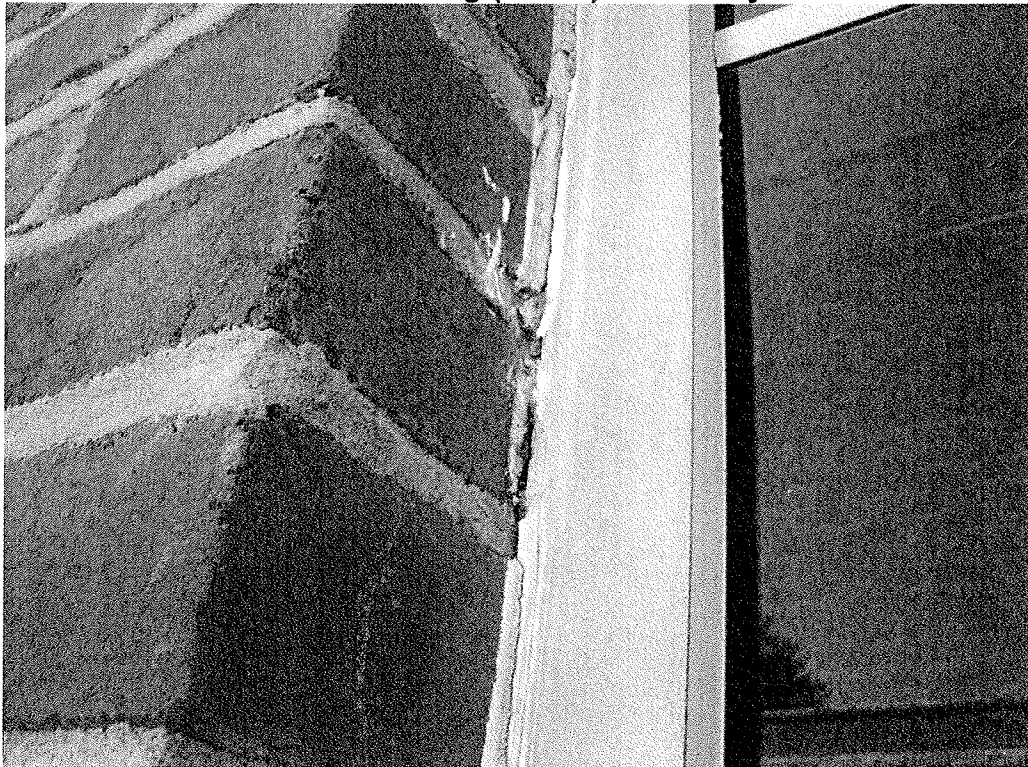




**APPENDIX D**  
**SAMPLE LOCATION MAP**  
**AND PHOTOS**



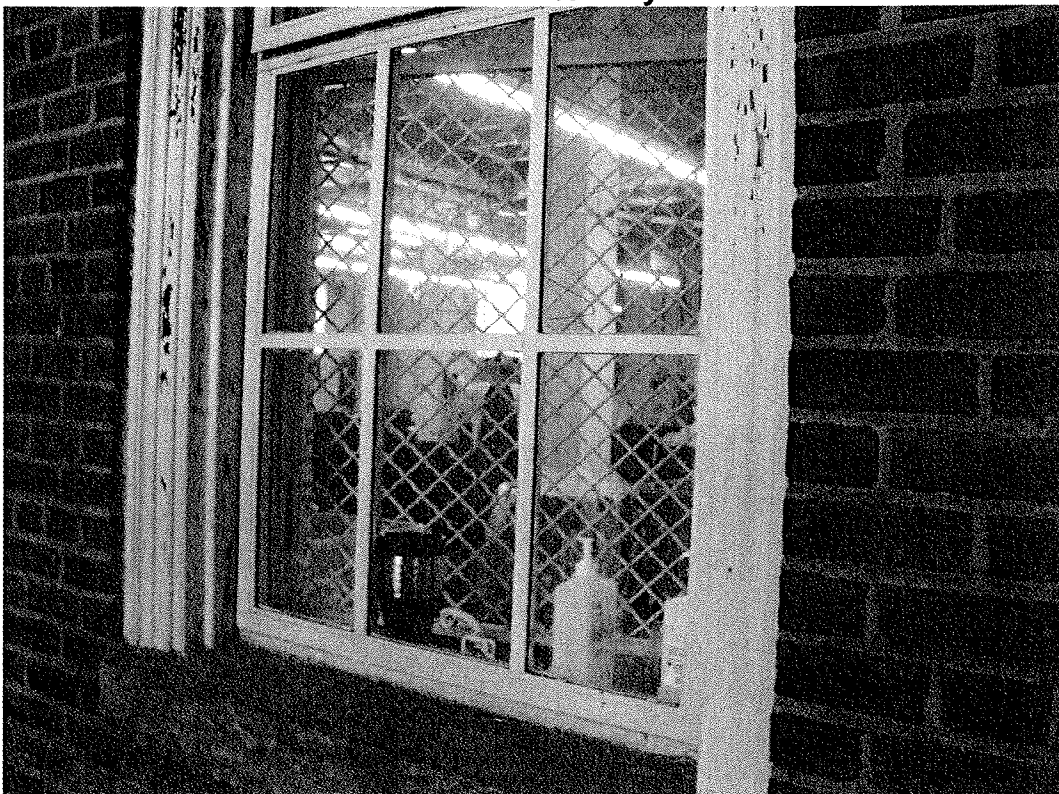
**Sink Basin Coating (White) – 3% Chrysotile**



**Window Caulk for Aluminum Windows – 3% Chrysotile**



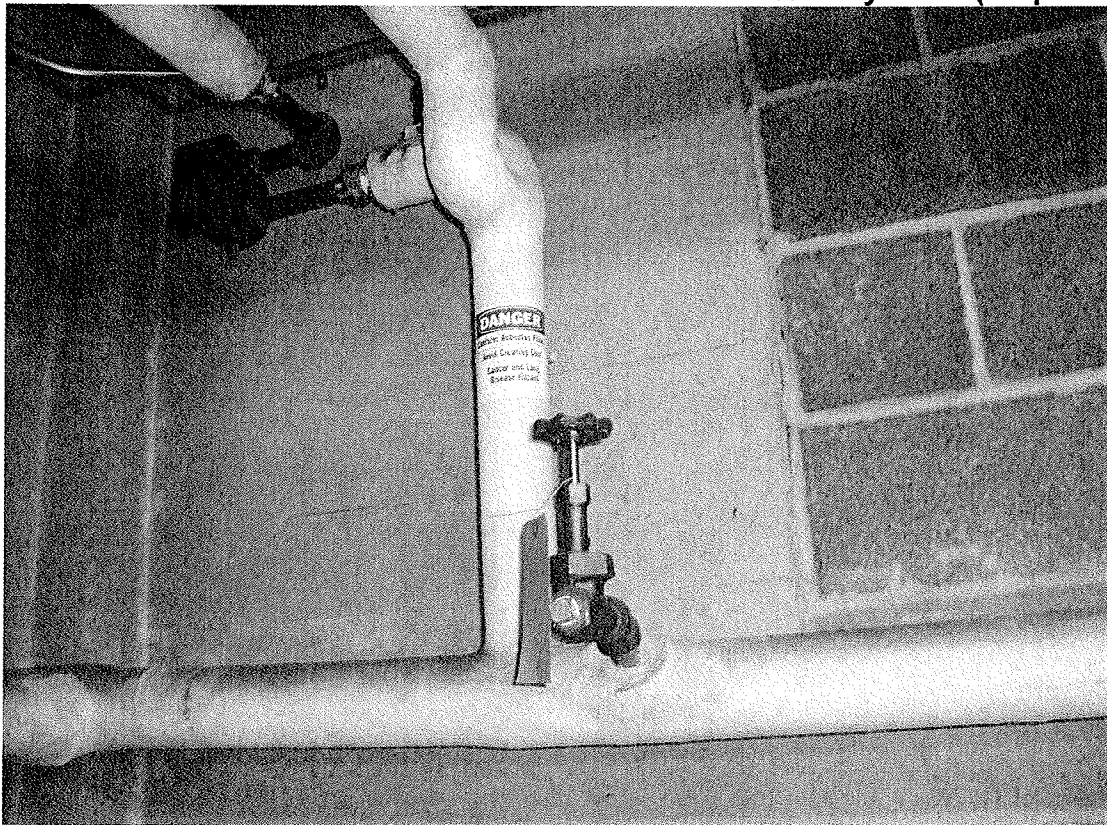
**Door Caulk – 3% Chrysotile**



**Window Caulk for Old Steel Windows – 4% Chrysotile**



**Brownish Red 9"x9" Floor Tile and Mastic – 15% and 5% Chrysotile (respectively)**



**Pipe and Pipe Fitting Insulation**

**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**

8960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

NUMBER  
**3333 000266**

**VIRGINIA ASBESTOS LICENSE**  
**ASBESTOS ANALYTICAL LABORATORY LICENSE**

PCM  
PLM  
TEM

**AMERICA SCIENCE TEAM RICHMOND, INC**  
**13635 GENITO ROAD**

**MIDLOTHIAN, VA 23112**



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

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**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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**JAMES J REBER  
33A OSPREY LN**

**GARDINER NY 12525**



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**JOHN W SOTER  
22 JOSH LANE**



**DANBURY CT 06811**

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION

COMMONWEALTH OF VIRGINIA

9960 Mayland Dr., Suite 400, Richmond, VA 23293  
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*  
Gordon N. Dixon, Director

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NUMBER: 3303 003575 EXPIRES: 06-30-2011

ROBERT A SEE  
15 BOYCE ST



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BEACON NY 12508

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