



Adelaide Environmental Health Associates, Inc.

**COMPREHENSIVE SURVEY FOR ASBESTOS CONTAINING
MATERIALS**

PERFORMED AT:

**Building 18
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 21, 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 James Reber and Tom Ferro (certified asbestos inspectors).

2.0 EXECUTIVE SUMMARY OF INSPECTION RESULTS

Building 18 is located on the VAMC campus located at 1970 Roanoke Blvd, Salem, Virginia 24153. It is a three 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 18. 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-eight (28) 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			
Exterior Window Caulk (Door Caulk is Homogenous)	200 LF	All Exterior Windows (Homogenous with Door Caulk)	3% Chrysotile
Transite Wall Panel	200 SF	Basement Wall	20% Chrysotile
Pipe Insulation Inside Chases	10 LF*(visible from all chases in basement, more inside chases)	All pipe chases	2% Chrysotile and 8% Amosite
Samples Taken Previously by Applied Laboratory Service (ALS) in 2002			
Brown 9"x9" Floor Tile	683 SF	Basement Room 1	5% Chrysotile
White 9"x9" Floor Tile	130 SF(pattern w/ Grey 9x9)	Basement Room 2	5% Chrysotile
Grey 9"x9" Floor Tile	130 SF(Pattern w/ White 9x9)	Basement Room 2	5% Chrysotile
Yellow and White Hard Linoleum – Paper Backing	180 SF	Rooms 9, 10 & 11	50% 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:

- #7 – Exterior – Window Caulk
- #9 – Transite Wall Panel
- #10 – Pipe Insulation inside Chases
- #11 – Brown 9"x9" Floor Tiles
- #12 – White 9"x9" Floor Tiles
- #13 – Grey 9"x9" Floor Tiles
- #14 – Yellow and White Hard Linoleum – Paper Backing

Negative Material List

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

- Brick Mortar
- Ceiling and Wall Plasters – Top and base Coats
- Window Glazing Compound

- Stone Mortar
- Fiberglass Pipe Insulation
- Floor Tile Mastic for Brown, White and Gray 9"x9" Floor Tiles
- Yellow and White Hard Linoleum

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
1	9	Transite Wall Panel	200 SF	Good/Defer Action/None Required
	10	Pipe Insulation in Chases	10 LF(visible)	Damaged/Encapsulate/Required
	11	Brown 9"x9" Floor Tiles	683 SF	Good/Defer Action/None Required
2	12	White 9"x9" Floor Tiles	130 SF	Good/Defer Action/None Required
	13	Gray 9"x9" Floor Tiles	130 SF	Good/Defer Action/None Required
9	14	Paper Backing for Yellow and White Linoleum	39 SF	Good/Defer Action/None Required
10	14	Paper Backing for Yellow and White Linoleum	117 SF	Good/Defer Action/None Required
11	14	Paper Backing for Yellow and White Linoleum	24 SF	Good/Defer Action/None Required
Exterior	7	Exterior window and door caulk	200 LF	Good/Defer Action/None Required

APPENDIX B
ASBESTOS REPORT FORM



Adelaide
Environmental & Thermal 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 18
1970 Roanoke Blvd
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010

DATE COMPLETED: 6/18/2010

DATE REPORTED: 6/23/2010

TOTAL SAMPLE COUNT: 28

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.
/110061661-01	1	Floor 2 - Bedroom - Ceiling Plaster - top coat	Surf.	F	1		NAD	2400	D
/110061661-02	2	Floor 2 - Bedroom - Ceiling Plaster - top coat	Surf.	F	1		NAD		D
/110061661-03	3	Floor 2 - Bedroom - Ceiling Plaster - top coat	Surf.	f	1		NAD		D
/110061661-04	4	Floor 2 - Bedroom - Ceiling Plaster - top coat	Surf.	F	1		NAD		D
/110061661-05	5	Floor 2 - Bedroom - Ceiling Plaster - top coat	Surf.	F	1		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

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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.
/110061661-06	6	Floor 2 - Bedroom - Ceiling Plaster - base coat	Surf.	F	2		NAD		D
/110061661-07	7	Floor 2 - Bedroom - Ceiling Plaster - base coat	Surf.	F	2		NAD		D
/110061661-08	8	Floor 2 - Bedroom - Ceiling Plaster - base coat	Surf.	F	2		NAD		D
/110061661-09	9	Floor 2 - Bedroom - Ceiling Plaster - base coat	Surf.	F	2		NAD		D
/110061661-10	10	Floor 2 - Bedroom - Ceiling Plaster - base coat	Surf.	F	2		NAD		D
/110061661-11	11	Floor 2 - Bedroom - Wall Plaster - Top coat	Surf.	F	3		NAD	4000	G
/110061661-12	12	Floor 2 - Bedroom - Wall Plaster - Top coat	Surf.	F	3		NAD		G

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/110061661-13	13	Floor 2 - Bedroom - Wall Plaster - Top coat	Surf.	F	3		NAD		G
/110061661-14	14	Floor 2 - Bedroom - Wall Plaster - Base coat	Surf.	F	4		NAD		G
/110061661-15	15	Floor 2 - Bedroom - Wall Plaster - Base coat	Surf.	F	4		NAD		G
/110061661-16	16	Floor 2 - Bedroom - Wall Plaster - Base coat	Surf.	F	4		NAD		G
/110061661-17	17	Floor G - Exterior - Brick mortar	Misc.	F	5		NAD	4000	G
/110061661-18	18	Floor G - Exterior - Brick mortar	Misc.	F	5		NAD	4000	G
/110061661-19	19	Floor G - Exterior - Window glazing compound	Misc.	NF	6		NAD	500	G

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/110061661-20	20	Floor G - Exterior - window caulk	Misc.	NF	7		3% Chrysotile	200	G
/110061661-21	21	Floor g - Exterior - window caulk	Misc.	NF	7		NA/PS	200	G
/110061661-22	22	Floor G - Exterior - Stone mortar	Misc.	F	8		NAD	500	G
/110061661-23	23	Floor G - Exterior - Stone mortar	Misc.	F	8		NAD	500	G
/110061661-24	24	Floor B - Basement - Partition wall to storage rm - transite wall panel	Misc.	NF	9		20% Chrysotile	200 SF	G
/110061661-25	25	Floor B - Basement - Partition wall to storage rm - transite wall panel	Misc.	NF	9		NA/PS	200 SF	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.
/110061661-26	26	Floor B - Basement - Pipe chases - pipe insulation inside chase	TSI	F	10		10% Chrysotile		G
/110061661-27	27	Floor B - Basement - Pipe chases - pipe insulation inside chase	TSI	F	10		NA/PS		G
/110061661-28	28	Floor B - Basement - Pipe chases - pipe insulation inside chase	TSI	F	10		NA/PS		G

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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 # 110061661
Date Examined 06/23/10 P.O. #
Page 1 of 6
RE: VAMC:10079.00-IN; Salem VA Medical Center; Building 18;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
1 1	110061661-01 Location: Bedroom - Ceiling Plaster - Top Coat	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
2 1	110061661-02 Location: Bedroom - Ceiling Plaster - Top Coat	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
3 1	110061661-03 Location: Bedroom - Ceiling Plaster - Top Coat	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
4 1	110061661-04 Location: Bedroom - Ceiling Plaster - Top Coat	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
5 1	110061661-05 Location: Bedroom - Ceiling Plaster - Top Coat	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos ReportVAMC:10079.00-IN; Salem VA Medical Center; Building 18;
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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
6 2	110061661-06 Location: Bedroom - Ceiling Plaster - Base Coat	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
7 2	110061661-07 Location: Bedroom - Ceiling Plaster - Base Coat	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
8 2	110061661-08 Location: Bedroom - Ceiling Plaster - Base Coat	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
9 2	110061661-09 Location: Bedroom - Ceiling Plaster - Base Coat	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
10 2	110061661-10 Location: Bedroom - Ceiling Plaster - Base Coat	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
11 3	110061661-11 Location: Bedroom - Wall Plaster - Top Coat	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos ReportVAMC:10079.00-IN; Salem VA Medical Center; Building 18;
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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
12 3	110061661-12 Location: Bedroom - Wall Plaster - Top Coat	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
13 3	110061661-13 Location: Bedroom - Wall Plaster - Top Coat	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
14 4	110061661-14 Location: Bedroom - Wall Plaster - Base Coat	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
15 4	110061661-15 Location: Bedroom - Wall Plaster - Base Coat	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
16 4	110061661-16 Location: Bedroom - Wall Plaster - Base Coat	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
17 5	110061661-17 Location: Exterior - Brick Mortar	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Gray, Heterogeneous, 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 18;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
18 5	110061661-18 Location: Exterior - Brick Mortar	<i>No</i>	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
19	110061661-19 Location: Exterior - Window Glazing Compound	<i>No</i>	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
20 6	110061661-20 Location: Exterior - Window Caulk	<i>Yes</i>	3 % (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 3.0 %			
Other Material: Non-fibrous 97 %			
21 6	110061661-21 Location: Exterior - Window Caulk		NAP/PS
Analyst Description: Bulk Material			
Asbestos Types:			
Other Material:			
22 7	110061661-22 Location: Exterior - Stone Mortar	<i>No</i>	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
23 7	110061661-23 Location: Exterior - Stone Mortar	<i>No</i>	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos Report

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1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
24 8	110061661-24 Location: Basement - Partition Wall To Storage Rm - Transite Wall Panel	Yes	20 % (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Gray, Heterogeneous, Fibrous, Cementitious, Bulk Material			
Asbestos Types: Chrysotile 20.0 %			
Other Material: Non-fibrous 80 %			
25 8	110061661-25 Location: Basement - Partition Wall To Storage Rm - Transite Wall Panel		NA/PS
Analyst Description: Bulk Material			
Asbestos Types:			
Other Material:			
26 9	110061661-26 Location: Basement - Pipe Chases - Pipe Insulation Inside Chase	Yes	10 % (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: White, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types: Chrysotile 2.0 %, Amosite 8.0 %			
Other Material: Non-fibrous 90 %			
27 9	110061661-27 Location: Basement - Pipe Chases - Pipe Insulation Inside Chase		NA/PS
Analyst Description: Bulk Material			
Asbestos Types:			
Other Material:			
28 9	110061661-28 Location: Basement - Pipe Chases - Pipe Insulation Inside Chase		NA/PS
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 18;
1970 Roanoke Blvd, Salem, Virginia 24153

Reporting Notes:

Analyzed by: William M. Dunstan William M. Dunstan Date 6/23/00

*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: TJK



Adelaide
Environmental Health Associates, Inc.

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

110061661

Chain of Custody

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 18
1970 Roanoke Blvd
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010
DATE COMPLETED: 6/18/2010
DATE REPORTED:
TOTAL SAMPLE COUNT: 28
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	2	1	Bedroom - Ceiling Plaster - top coat	2400	F	D
2	2	1	Bedroom - Ceiling Plaster - top coat		F	D
3	2	1	Bedroom - Ceiling Plaster - top coat		f	D
4	2	1	Bedroom - Ceiling Plaster - top coat		F	D
5	2	1	Bedroom - Ceiling Plaster - top coat		F	D
6	2	2	Bedroom - Ceiling Plaster - base coat		F	D
7	2	2	Bedroom - Ceiling Plaster - base coat		F	D

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-M All Results to AdelaidelabResults@adelaidelc.com

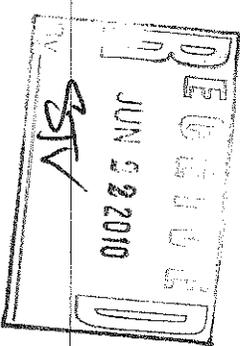
72 hr TAT

Relinquished by:

Received by:

Relinquished by:

Received by:



Chain of Custody

110061661

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 18
 1970 Roanoke Blvd
 Salem, Virginia 24153

DATE RECEIVED: 6/7/2010
 DATE COMPLETED: 6/18/2010
 DATE REPORTED:
 TOTAL SAMPLE COUNT: 28
 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:
8	2	2	Bedroom - Ceiling Plaster - base coat		F	D
9	2	2	Bedroom - Ceiling Plaster - base coat		F	D
10	2	2	Bedroom - Ceiling Plaster - base coat		F	D
11	2	3	Bedroom - Wall Plaster - Top coat	4000	F	G
12	2	3	Bedroom - Wall Plaster - Top coat		F	G
13	2	3	Bedroom - Wall Plaster - Top coat		F	G
14	2	4	Bedroom - Wall Plaster - Base coat		F	G
15	2	4	Bedroom - Wall Plaster - Base coat		F	G
16	2	4	Bedroom - Wall Plaster - Base coat		F	G
17	G	5	Exterior - Brick mortar	4000	F	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@adelaidelc.com

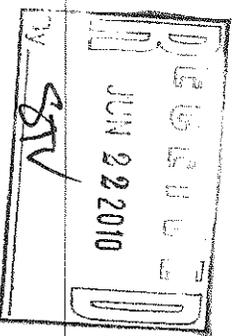
72 hr TAT

Relinquished by:

Received by:

Relinquished by:

Received by:

Chain of Custody

110061661

PROJECT NUMBER: VAMC:10079.00-IN
PROJECT LOCATION: Salem VA Medical Center - Building 18
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DATE RECEIVED: 6/7/2010
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DATE REPORTED:
TOTAL SAMPLE COUNT: 28
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	5	Exterior - Brick mortar	4000	F	G
19	G	6	Exterior - Window glazing compound	500	NF	G
20	G	7	Exterior - window caulk	200	NF	G
21	G	7	Exterior - window caulk	200	NF	G
22	G	8	Exterior - Stone mortar	500	F	G
23	G	8	Exterior - Stone mortar	500	F	G
24	B	9	Basement - Partition wall to storage rm - transite wall panel	200 SF	NF	G
25	B	9	Basement - Partition wall to storage rm - transite wall panel	200 SF	NF	G
26	B	10	Basement - Pipe chases - pipe insulation inside chase		F	G
27	B	10	Basement - Pipe chases - pipe insulation inside chase		F	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@adelaidelc.com

72 hr TAT

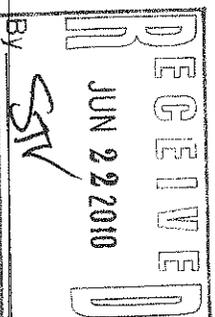
Relinquished by:



Received by:

Relinquished by:

Received by:



Chain of Custody

110061661

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 18
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Salem, Virginia 24153

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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:
28	B	10	Basement - Pipe chases - pipe insulation inside chase		F	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@adelaidelc.com

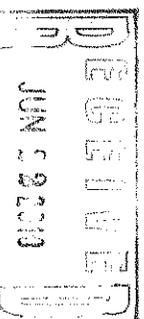
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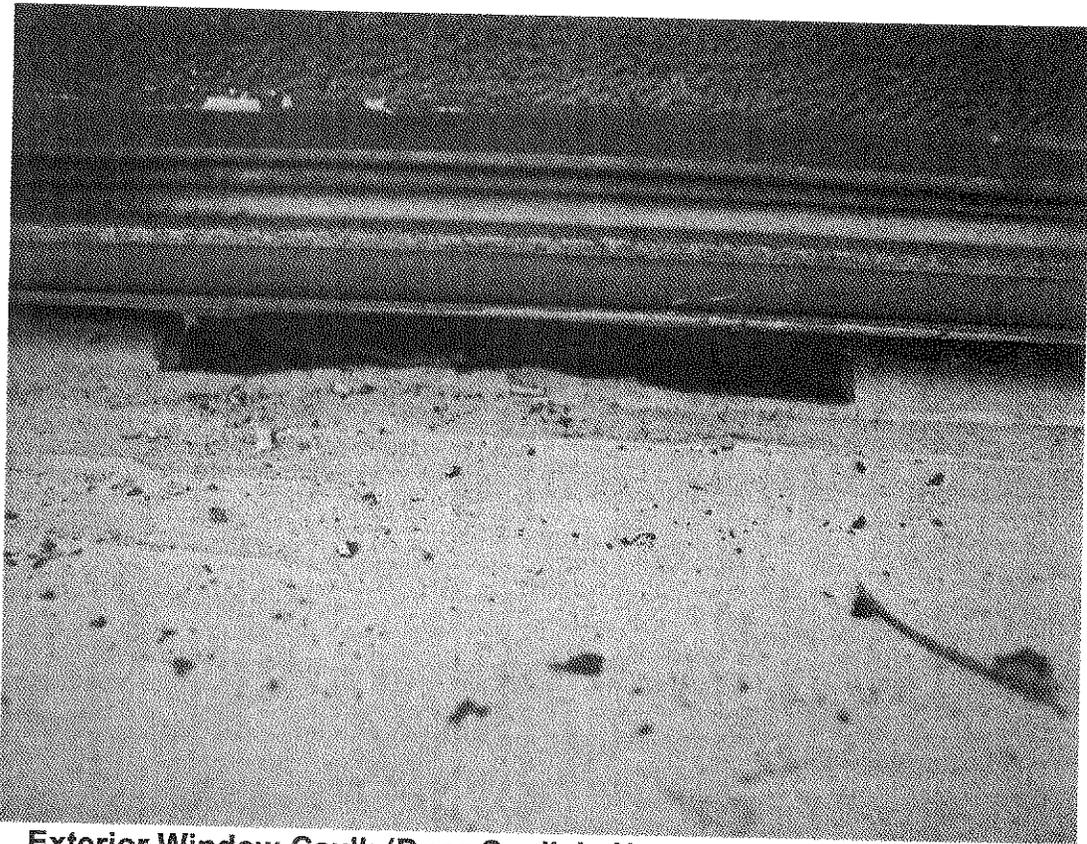
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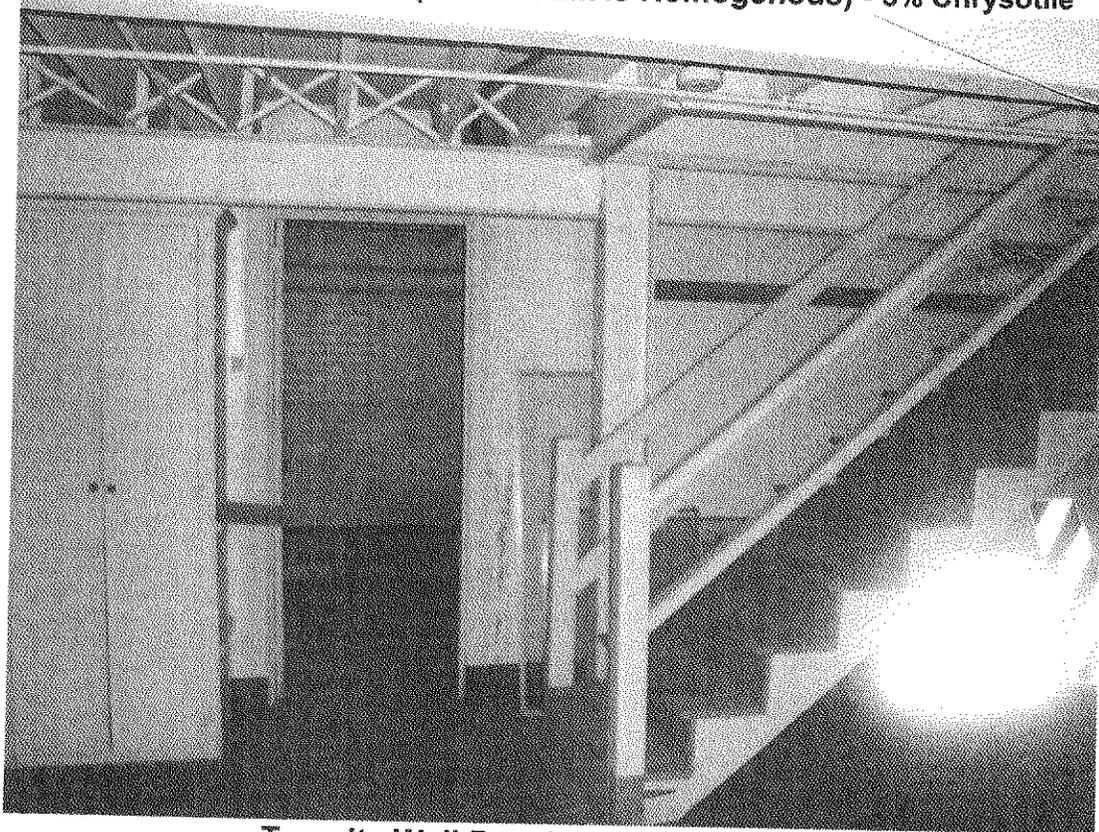


By: STV

APPENDIX D
SAMPLE LOCATION MAP
AND PHOTOS



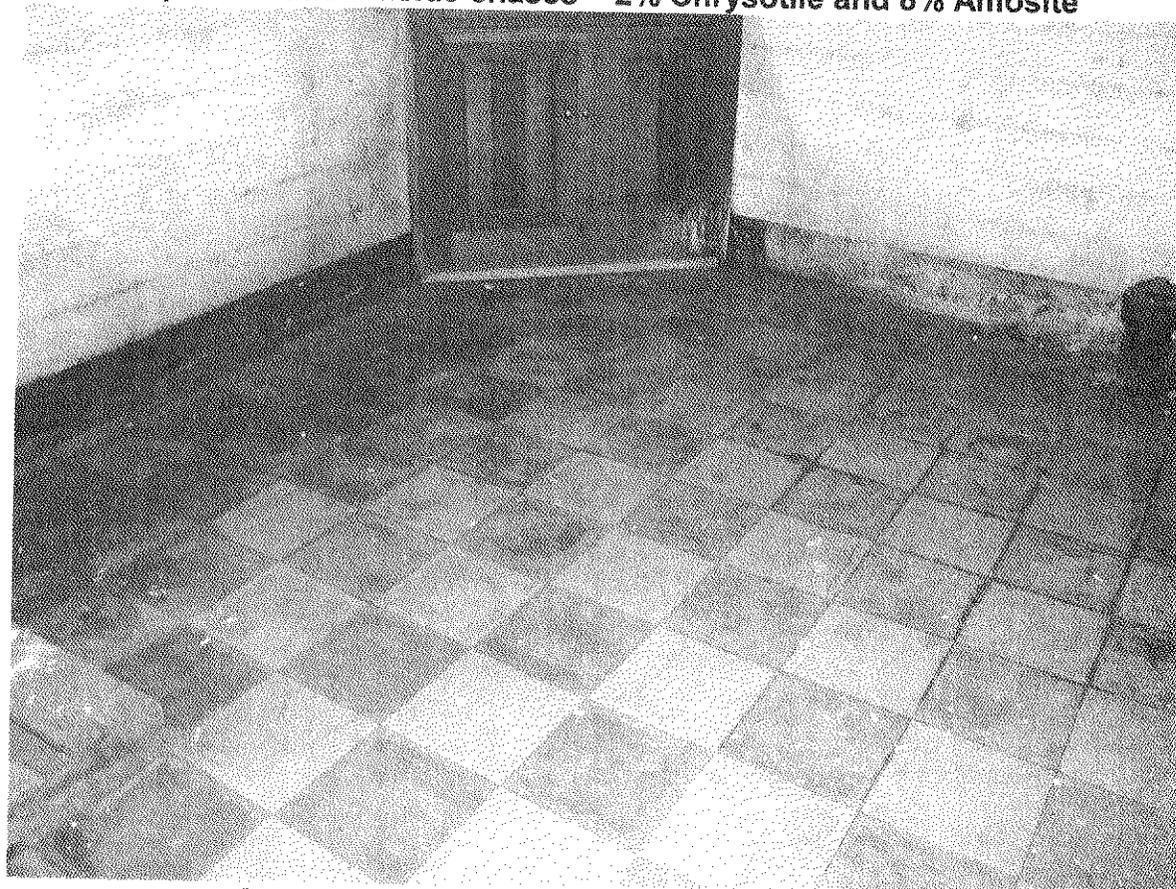
Exterior Window Caulk (Door Caulk is Homogenous) - 3% Chrysotile



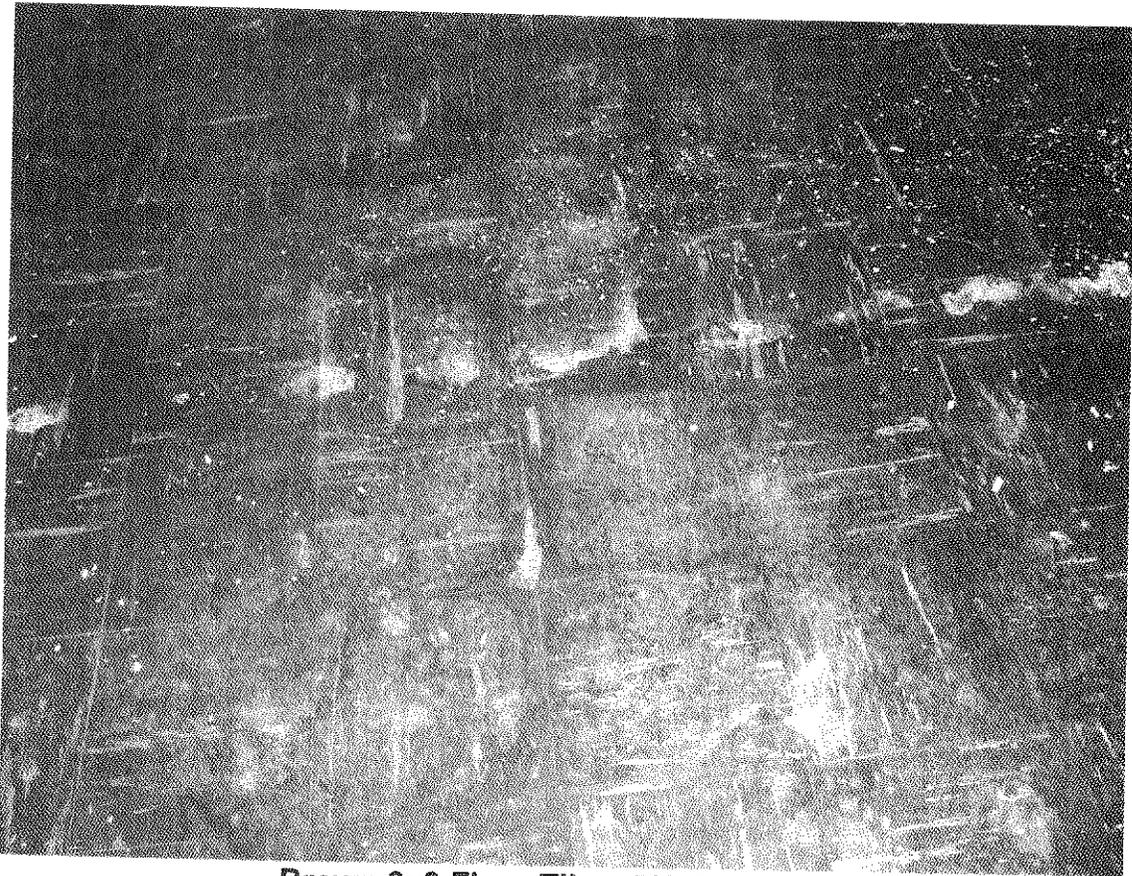
Transite Wall Panels – 20% Chrysotile



Pipe Insulation inside chases – 2% Chrysotile and 8% Amosite



Gray and White 9x9 Floor Tiles – 5% Chrysotile



Brown 9x9 Floor Tile – 5% Chrysotile



Yellow and white Linoleum - Paper Backing – 50% Chrysotile

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, Director
FOR THE COMMISSIONER OF LABOR

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

9980 Mayland Dr., Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

EXPIRES ON
03-31-2011

NUMBER
3333 000266

VIRGINIA ASBESTOS LICENSE
ASBESTOS ANALYTICAL LABORATORY LICENSE

PCM
PLM
TEM

AMERICA SCIENCE TEAM RICHMOND, INC
13635 GENITO ROAD

MIDLOTHIAN, VA 23112



Jay W. DeBoer
Jay W. DeBoer, Director

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COMMONWEALTH OF VIRGINIA

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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
9980 Mayland Dr., Suite 400, Richmond, VA 23233

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
04-30-2011

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

NUMBER
3303 003537

VIRGINIA ASBESTOS LICENSE
INSPECTOR LICENSE

THOMAS P FERRO

PO BOX 35
HALSTEAD, PA 19922



Jay W. DeBoer
Jay W. DeBoer, Director

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GARDINER NY 12525

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22 JOSH LANE



DANBURY CT 06811

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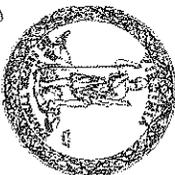
Telephone: (804) 367-8500

NUMBER

3303 003575

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INSPECTOR LICENSE

ROBERT A SEE
15 BOYCE ST
BEACON, NY 12508



Gordon N. Dixon
Gordon N. Dixon, Director

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INSPECTOR LICENSE

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