



**Adelaide Environmental Health Associates, Inc.**

**COMPREHENSIVE SURVEY FOR ASBESTOS CONTAINING  
MATERIALS**

*PERFORMED AT:*

**Building 7  
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 23, 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 7 is located on the VAMC campus located at 1970 Roanoke Blvd, Salem, Virginia 24153. It is a two 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 7. At the request of Cary Schiltz of Salem VAMC, no roof testing was conducted which could jeopardize water tightness and integrity; therefore all roofing materials are assumed asbestos containing materials until testing can prove otherwise. Adelaide collected thirty-four (34) 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 Door Caulk (window caulk is homogenous)	5500 LF	All exterior doors and windows (homogenous with window caulk)	3% Chrysotile
Elevator Control Boards	30 SF	Attic – Elevator Machine Room	Assumed (Sampling may damage boards)
Elevator Brake Pads	3 SF	Attic – Elevator Machine Room	Assumed (cannot sample while in operation)

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:

- #10 – Door Caulk (Hard cream to off White)
- Assumed – Elevator Control Boards
- Assumed – Elevator Brake Pads

### **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
- Fire Door Insulation
- Mastic Pucks adhering fiberglass insulation to ductwork
- Drywall
- Joint Compound
- Floor Tile mastic (black) for new non-ACM floor tiles
- Duct Seam Sealant
- Stone Mortar
- 2'x4' Ceiling Tiles
- White 12"x12" Floor 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
Attic - Elevator Machine Room	Assumed	Elevator Control Boards	30 SF	Good/Defer Action/None Required
	Assumed	Elevator Brake Pads	3 SF	Good/Defer Action/None Required
Exterior	10	Exterior window and door caulk	5500 SF	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.adelaidellc.com

# ASBESTOS REPORT FORM

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 7  
1970 Roanoke Blvd  
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010  
DATE COMPLETED: 6/16/2010  
DATE REPORTED: 6/23/2010  
TOTAL SAMPLE COUNT: 34  
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.
/110061649-01	1	Floor 2 - Room 208 - Plaster - Top coat	Surf.	F	1		NAD	20000	D
/110061649-02	2	Floor 2 - Room 208 - Plaster - Top Coat	Surf.	F	1		NAD	20000	D
/110061649-03	3	Floor 2 - Room 208 - Plaster - Top Coat	Surf.	F	1		NAD	20000	D
/110061649-04	4	Floor 1 - Room 102 - Plaster - Top Coat	Surf.	F	1		NAD	20000	D
/110061649-05	5	Floor 1 - Room 102 - Plaster - Top Coat	Surf.	F	1		NAD	20000	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.
/110061649-06	6	Floor 1 - Room 102 - Plaster - Top Coat	Surf.	F	1		NAD	20000	D
/110061649-07	7	Floor 1 - Room 102 - Plaster - Top Coat	Surf.	F	1		NAD	20000	D
/110061649-08	8	Floor 2 - Room 208 - Plaster - Base Coat	Surf.	F	2		NAD	20000	D
/110061649-09	9	Floor 2 - Room 208 - Plaster - Base Coat	Surf.	F	2		NAD	20000	D
/110061649-10	10	Floor 2 - Room 208 - Plaster - Base Coat	Surf.	F	2		NAD	20000	D
/110061649-11	11	Floor 2 - Room 208 - Plaster - Base Coat	Surf.	F	2		NAD	20000	D
/110061649-12	12	Floor 1 - Room 102 - Plaster - Base Coat	Surf.	F	2		NAD	20000	D

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/110061649-13	13	Floor 1 - Room 102 - Plaster - Base Coat	Surf.	F	2		NAD	20000	D
/110061649-14	14	Floor 1 - Room 102 - Plaster - Base Coat	Surf.	F	2		NAD	20000	D
/110061649-15	15	Floor A - Door leading to Attic Stairwell - Fire Door Insulation	Misc.	F	3		NAD	-	G
/110061649-16	16	Floor A - Door leading to Attic Stairwell - Fire Door Insulation	Misc.	F	3		NAD	-	G
/110061649-17	17	Floor A - Attic - mastic pucks adhering fiberglass insulation to ductwork	Misc.	NF	4		NAD	-	G
/110061649-18	18	Floor A - Attic - mastic pucks adhering fiberglass insulation to ductwork	Misc.	NF	4		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.
/110061649-19	19	Floor 1 - Room 101 - Drywall	Misc.	F	5		NAD		G
/110061649-20	20	Floor 2 - Room 211 - Drywall	Misc.	F	5		NAD		G
/110061649-21	21	Floor 2 - Room 211 - Joint compound	Misc.	F	6		NAD		G
/110061649-22	22	Floor 2 - Room 215 - Joint compound	Misc.	F	6		NAD		G
/110061649-23	23	Floor 2 - Room 236 - Floor tile mastic for new non-ACM tiles (Black mastic)	Misc.	NF	7		NAD		G
/110061649-24	24	Floor 1 - Corridor C1-1 - Floor tile mastic for new non-ACM tiles (Black mastic)	Misc.	NF	7		NAD		G

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## SERVICES PROVIDED

## Asbestos Bulk Sampling

PESHOGS NO. / LAB ID NO.	ID	Sample Location, Coordinates Description and Other Comments	Material Type	Friable/ NonFriable	Homogenous ID	TEM %	PLM %	Quantity	Assess Cat.
/110061649-25	25	Floor B - Corridor CB-1A - Floor tile mastic for newer non-ACM tiles (black mastic)	Misc.	NF	8		NAD		G
/110061649-26	26	Floor B - Corridor CB-11 - Floor tile mastic for newer non-ACM tiles (black mastic)	Misc.	NF	8		NAD		G
/110061649-27	27	Floor B - Service Room 36 and 37 - Duct seam sealant (off white and pliable)	Misc.	NF	9		NAD		G
/110061649-28	28	Floor B - Service Room 36 and 37 - Duct seam sealant (off white and pliable)	Misc.	NF	9		NAD		G
/110061649-29	29	Floor G - Exterior - Door Caulk (hard cream to off white)	Misc.	NF	10		3% Chrysotile		G
/110061649-30	30	Floor G - Exterior - Door Caulk (hard cream to off white)	Misc.	NF	10		NA/PS		G

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DATE REPORTED: 6/23/2010  
TOTAL SAMPLE COUNT: 34  
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.
/110061649-31	31	Floor G - Exterior - Brick Mortar	Misc.	F	11		NAD		G
/110061649-32	32	Floor G - Exterior - Brick Mortar	Misc.	F	11		NAD		G
/110061649-33	33	Floor G - Exterior - Stone Mortar	Misc.	F	12		NAD		G
/110061649-34	34	Floor G - Exterior - Stone Mortar	Misc.	F	12		NAD		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 # 110061649  
Date Examined 06/23/10      P.O. #  
Page 1 of 7  
RE: VAMC:10079.00-IN; Salem VA Medical Center; Building 7;  
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
1	110061649-01	No	NAD
1	Location: Room 208 - Plaster - Top Coat		(by CVES) by David W. Ralbovsky on 06/23/10
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
2	110061649-02	No	NAD
1	Location: Room 208 - Plaster - Top Coat		(by CVES) by David W. Ralbovsky on 06/23/10
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
3	110061649-03	No	NAD
1	Location: Room 208 - Plaster - Top Coat		(by CVES) by David W. Ralbovsky on 06/23/10
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
4	110061649-04	No	NAD
1	Location: Room 102 - Plaster - Top Coat		(by CVES) by David W. Ralbovsky on 06/23/10
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
5	110061649-05	No	NAD
1	Location: Room 102 - Plaster - Top Coat		(by CVES) by David W. Ralbovsky 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 Report**VAMC:10079.00-IN; Salem VA Medical Center; Building 7;  
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
6 1	110061649-06 Location: Room 102 - Plaster - Top Coat	No	NAD (by CVES) by David W. Ralbovsky on 06/23/10
<b>Analyst Description:</b> White, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
7 1	110061649-07 Location: Room 102 - Plaster - Top Coat	No	NAD (by CVES) by David W. Ralbovsky on 06/23/10
<b>Analyst Description:</b> White, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
8 2	110061649-08 Location: Room 208 - Plaster - Base Coat	No	NAD (by CVES) by David W. Ralbovsky on 06/23/10
<b>Analyst Description:</b> Tan, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Animal hair Trace, Non-fibrous 100 %			
9 2	110061649-09 Location: Room 208 - Plaster - Base Coat	No	NAD (by CVES) by David W. Ralbovsky on 06/23/10
<b>Analyst Description:</b> Tan, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
10 2	110061649-10 Location: Room 208 - Plaster - Base Coat	No	NAD (by CVES) by David W. Ralbovsky on 06/23/10
<b>Analyst Description:</b> Tan, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Animal hair Trace, Non-fibrous 100 %			
11 2	110061649-11 Location: Room 208 - Plaster - Base Coat	No	NAD (by CVES) by David W. Ralbovsky on 06/23/10
<b>Analyst Description:</b> Tan, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Animal hair Trace, Non-fibrous 100 %			

Client Name: Adelaide Environmental Health

**PLM Bulk Asbestos Report**

VAMC:10079.00-IN; Salem VA Medical Center; Building 7;  
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
12 2	110061649-12 Location: Room 102 - Plaster - Base Coat	No	NAD (by CVES) by David W. Ralbovsky on 06/23/10
<b>Analyst Description:</b> Tan, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Animal hair Trace, Non-fibrous 100 %			
13 2	110061649-13 Location: Room 102 - Plaster - Base Coat	No	NAD (by CVES) by David W. Ralbovsky on 06/23/10
<b>Analyst Description:</b> Tan, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Animal hair Trace, Non-fibrous 100 %			
14 2	110061649-14 Location: Room 102 - Plaster - Base Coat	No	NAD (by CVES) by David W. Ralbovsky on 06/23/10
<b>Analyst Description:</b> Tan, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Animal hair Trace, Non-fibrous 100 %			
15 3	110061649-15 Location: Door Leading to Attic Stairwell - Fire Door Insulation	No	NAD (by CVES) by David W. Ralbovsky on 06/23/10
<b>Analyst Description:</b> Gray, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 17 %, Non-fibrous 83 %			
16 3	110061649-16 Location: Door Leading to Attic Stairwell - Fire Door Insulation	No	NAD (by CVES) by David W. Ralbovsky on 06/23/10
<b>Analyst Description:</b> Gray, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 17 %, Non-fibrous 83 %			
17 4	110061649-17 Location: Attic - Mastic Pucks Adhering Fiberglass Insulation To Ductwork	No	NAD (by CVES) by David W. Ralbovsky on 06/23/10
<b>Analyst Description:</b> Green, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 20 %, Non-fibrous 80 %			

Client Name: Adelaide Environmental Health

**PLM Bulk Asbestos Report**VAMC:10079.00-IN; Salem VA Medical Center; Building 7;  
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
18 4	110061649-18 <b>Location:</b> Attic - Mastic Pucks Adhering Fiberglass Insulation To Ductwork	<b>No</b>	NAD (by CVES) by David W. Ralbovsky on 06/23/10
<b>Analyst Description:</b> Green, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 20 %, Non-fibrous 80 %			
19 5	110061649-19 <b>Location:</b> Room 101 - Drywall	<b>No</b>	NAD (by CVES) by David W. Ralbovsky on 06/23/10
<b>Analyst Description:</b> Brown/Gray, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 6 %, Fibrous glass 2 %, Non-fibrous 92 %			
20 5	110061649-20 <b>Location:</b> Room 211 - Drywall	<b>No</b>	NAD (by CVES) by David W. Ralbovsky on 06/23/10
<b>Analyst Description:</b> Brown/Gray, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 6 %, Fibrous glass 2 %, Non-fibrous 92 %			
21 6	110061649-21 <b>Location:</b> Room 211 - Joint Compound	<b>No</b>	NAD (by CVES) by David W. Ralbovsky on 06/23/10
<b>Analyst Description:</b> White, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
22 6	110061649-22 <b>Location:</b> Room 215 - Joint Compound	<b>No</b>	NAD (by CVES) by David W. Ralbovsky on 06/23/10
<b>Analyst Description:</b> White, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
23 7	110061649-23 <b>Location:</b> Room 236 - Floor Tile Mastic For New Non-ACM Tiles (Black Mastic)	<b>No</b>	NAD (by CVES) by David W. Ralbovsky on 06/23/10
<b>Analyst Description:</b> Black, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 10 %, Non-fibrous 90 %			

Client Name: Adelaide Environmental Health

**PLM Bulk Asbestos Report**VAMC:10079.00-IN; Salem VA Medical Center; Building 7;  
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
24 7	110061649-24 <b>Location:</b> Corridor C1-1 - Floor Tile Mastic For New Non-ACM Tiles (Black Mastic)	<b>No</b>	NAD (by CVES) by David W. Ralbovsky on 06/23/10
<b>Analyst Description:</b> Black, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 5 %, Non-fibrous 95 %			
25 8	110061649-25 <b>Location:</b> Corridor CB-1A - Floor Tile Mastic For Newer Non-ACM Tile (Black Mastic)	<b>No</b>	NAD (by CVES) by David W. Ralbovsky on 06/23/10
<b>Analyst Description:</b> Black, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 5 %, Non-fibrous 95 %			
26 8	110061649-26 <b>Location:</b> Corridor CB-11 - Floor Tile Mastic For Newer Non-ACM Tiles (Black Mastic)	<b>No</b>	NAD (by CVES) by David W. Ralbovsky on 06/23/10
<b>Analyst Description:</b> Black, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 3 %, Non-fibrous 97 %			
27 9	110061649-27 <b>Location:</b> Service Room 36 and 37 - Duct Seam Sealant (Off White and Pliable)	<b>No</b>	NAD (by CVES) by David W. Ralbovsky on 06/23/10
<b>Analyst Description:</b> Lt. Gray, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Synthetic fibers Trace, Non-fibrous 100 %			
28 9	110061649-28 <b>Location:</b> Service Room 36 and 37 - Duct Seam Sealant (Off White and Pliable)	<b>No</b>	NAD (by CVES) by David W. Ralbovsky on 06/23/10
<b>Analyst Description:</b> Lt. Gray, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Synthetic fibers Trace, Non-fibrous 100 %			
29 10	110061649-29 <b>Location:</b> Exterior - Door Caulk (Hard Cream To Off White)	<b>Yes</b>	3 % (by CVES) by David W. Ralbovsky on 06/23/10
<b>Analyst Description:</b> Cream, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> Chrysotile 3.0 % <b>Other Material:</b> Non-fibrous 97 %			

Client Name: Adelaide Environmental Health

**PLM Bulk Asbestos Report**VAMC:10079.00-IN; Salem VA Medical Center; Building 7;  
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
30 10	110061649-30 Location: Exterior - Door Caulk (Hard Cream To Off White)		NA/PS
<b>Analyst Description:</b> Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b>			
31 11	110061649-31 Location: Exterior - Brick Mortar	No	NAD (by CVES) by David W. Ralbovsky on 06/23/10
<b>Analyst Description:</b> Tan, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
32 11	110061649-32 Location: Exterior - Brick Mortar	No	NAD (by CVES) by David W. Ralbovsky on 06/23/10
<b>Analyst Description:</b> Tan, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
33 12	110061649-33 Location: Exterior - Stone Mortar	No	NAD (by CVES) by David W. Ralbovsky on 06/23/10
<b>Analyst Description:</b> Brown, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
34 12	110061649-34 Location: Exterior - Stone Mortar	No	NAD (by CVES) by David W. Ralbovsky on 06/23/10
<b>Analyst Description:</b> Brown, Heterogeneous, Non-Fibrous, Bulk Material <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 7;  
1970 Roanoke Blvd, Salem, Virginia 24153

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### Reporting Notes:

Analyzed by: David W. Ralbovsky

Date 9/23/10

\*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: SW



Adelaide  
Environmental Health Associates, Inc.

1511 Route 22, Suite C24, Brewster, NY 10509

Tel: 845.278.7710 Fax: 845.278.7750 www.adelaidellc.com

110061649

## Chain of Custody

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 7  
1970 Roanoke Blvd  
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010

DATE COMPLETED: 6/16/2010

DATE REPORTED:

TOTAL SAMPLE COUNT: 34

SAMPLE COLLECTOR(S): James Reber and Tom Ferro

Sample ID#	Floor Level	Homogenous Area	Sample Location/Description	Quantity (in feet)	Friable		Condition
					NonFriable	Friable	
1	2	1	Room 208 - Plaster - Top coat	20000	F	F	D
2	2	1	Room 208 - Plaster - Top Coat	20000	F	F	D
3	2	1	Room 208 - Plaster - Top Coat	20000	F	F	D
4	1	1	Room 102 - Plaster - Top Coat	20000	F	F	D
5	1	1	Room 102 - Plaster - Top Coat	20000	F	F	D
6	1	1	Room 102 - Plaster - Top Coat	20000	F	F	D
7	1	1	Room 102 - Plaster - Top Coat	20000	F	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-Mail Results to AdelaideLabResults@adelaidellc.com

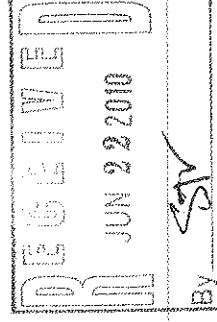
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Received by:

Relinquished by:

Received by:

Page 1 of 5



# Chain of Custody

110061649

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 7  
1970 Roanoke Blvd  
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010  
DATE COMPLETED: 6/16/2010  
DATE REPORTED:  
TOTAL SAMPLE COUNT: 34  
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	2	2	Room 208 - Plaster - Base Coat	20000	F		D
9	2	2	Room 208 - Plaster - Base Coat	20000	F		D
10	2	2	Room 208 - Plaster - Base Coat	20000	F		D
11	2	2	Room 208 - Plaster - Base Coat	20000	F		D
12	1	2	Room 102 - Plaster - Base Coat	20000	F		D
13	1	2	Room 102 - Plaster - Base Coat	20000	F		D
14	1	2	Room 102 - Plaster - Base Coat	20000	F		D
15	A	3	Door leading to Attic Stairwell - Fire Door Insulation	-	F		G
16	A	3	Door leading to Attic Stairwell - Fire Door Insulation	-	F		G
17	A	4	Attic - mastic pucks adhering fiberglass insulation to ductwork	-	NF		G

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

Page 2 of 5

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

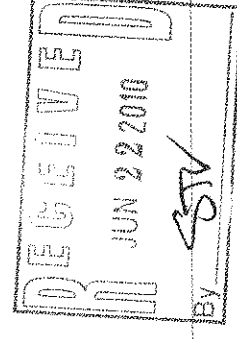
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*[Signature]*



# Chain of Custody

110061649

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 7  
1970 Roanoke Blvd  
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010  
DATE COMPLETED: 6/16/2010  
DATE REPORTED:  
TOTAL SAMPLE COUNT: 34  
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	A	4	Attic - mastic pucks adhering fiberglass insulation to ductwork	-	NF	G
19	1	5	Room 101 - Drywall		F	G
20	2	5	Room 211 - Drywall		F	G
21	2	6	Room 211 - Joint compound		F	G
22	2	6	Room 215 - Joint compound		F	G
23	2	7	Room 236 - Floor tile mastic for new non-ACM tiles (Black mastic)		NF	G
24	1	7	Corridor C1-1 - Floor tile mastic for new non-ACM tiles (Black mastic)		NF	G
25	B	8	Corridor CB-1A - Floor tile mastic for newer non-ACM tiles (black mastic)		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

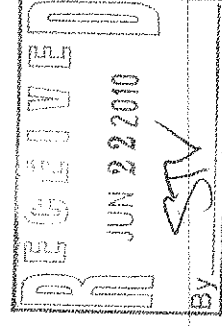
72 hr TAT

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Received by:

Relinquished by:

Received by:



# Chain of Custody

110061649

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 7  
1970 Roanoke Blvd  
Salem, Virginia 24153

DATE RECIEVED: 6/7/2010  
DATE COMPLETED: 6/16/2010  
DATE REPORTED:  
TOTAL SAMPLE COUNT: 34  
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:
26	B	8	Corridor CB-11 - Floor tile mastic for newer non-ACM tiles (black mastic)		NF	G
27	B	9	Service Room 36 and 37 - Duct seam sealant (off white and pliable)		NF	G
28	B	9	Service Room 36 and 37 - Duct seam sealant (off white and pliable)		NF	G
29	G	10	Exterior - Door Caulk (hard cream to off white)		NF	G
30	G	10	Exterior - Door Caulk (hard cream to off white)		NF	G
31	G	11	Exterior - Brick Mortar		F	G
32	G	11	Exterior - Brick Mortar		F	G
33	G	12	Exterior - Stone Mortar		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

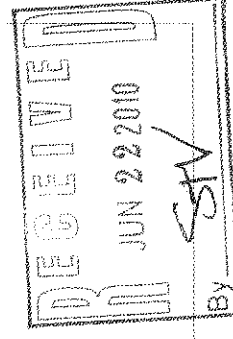
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Received by:



# Chain of Custody

110061629

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 7  
1970 Roanoke Blvd  
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010  
DATE COMPLETED: 6/16/2010  
DATE REPORTED:  
TOTAL SAMPLE COUNT: 34  
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:
34	G	12	Exterior - Stone Mortar		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@adelaidellc.com  
72 hr TAT

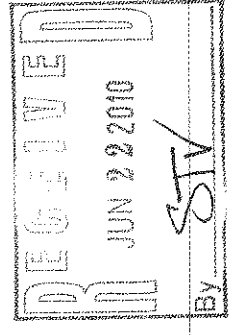
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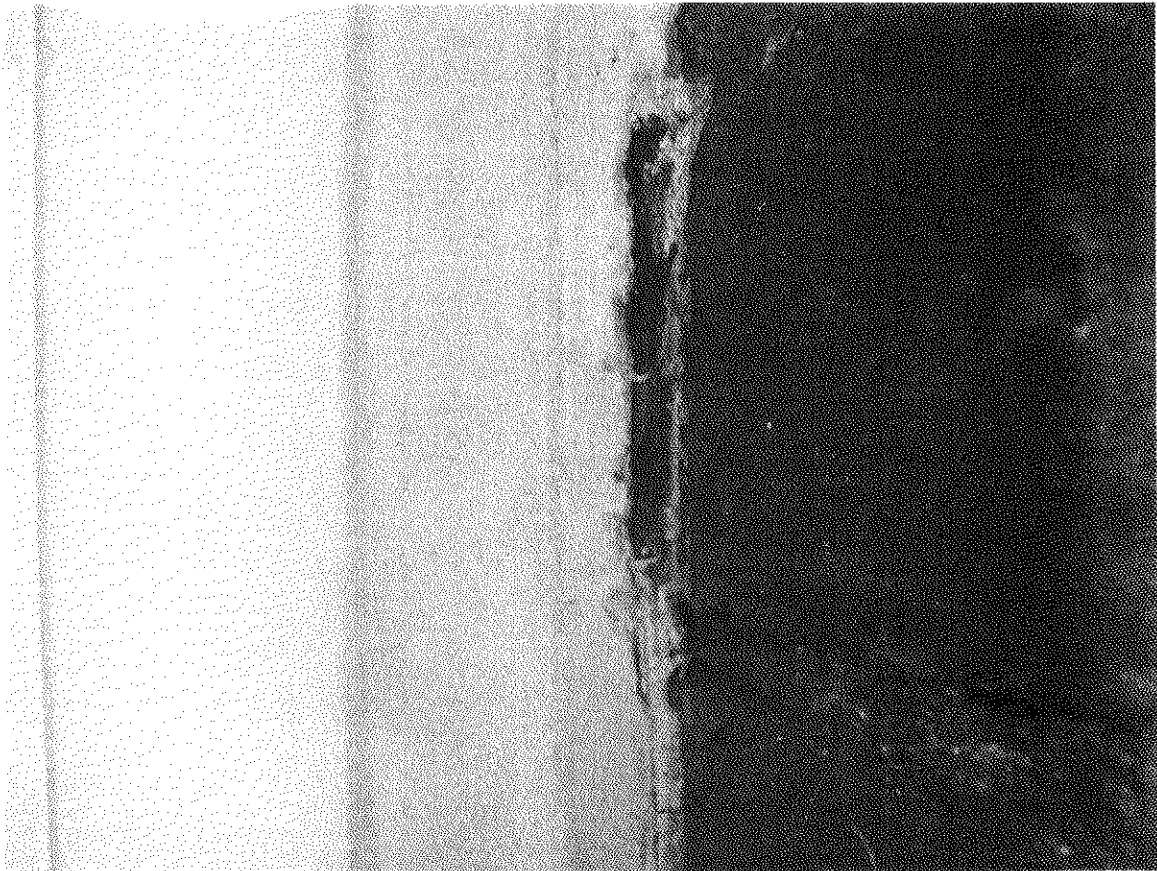
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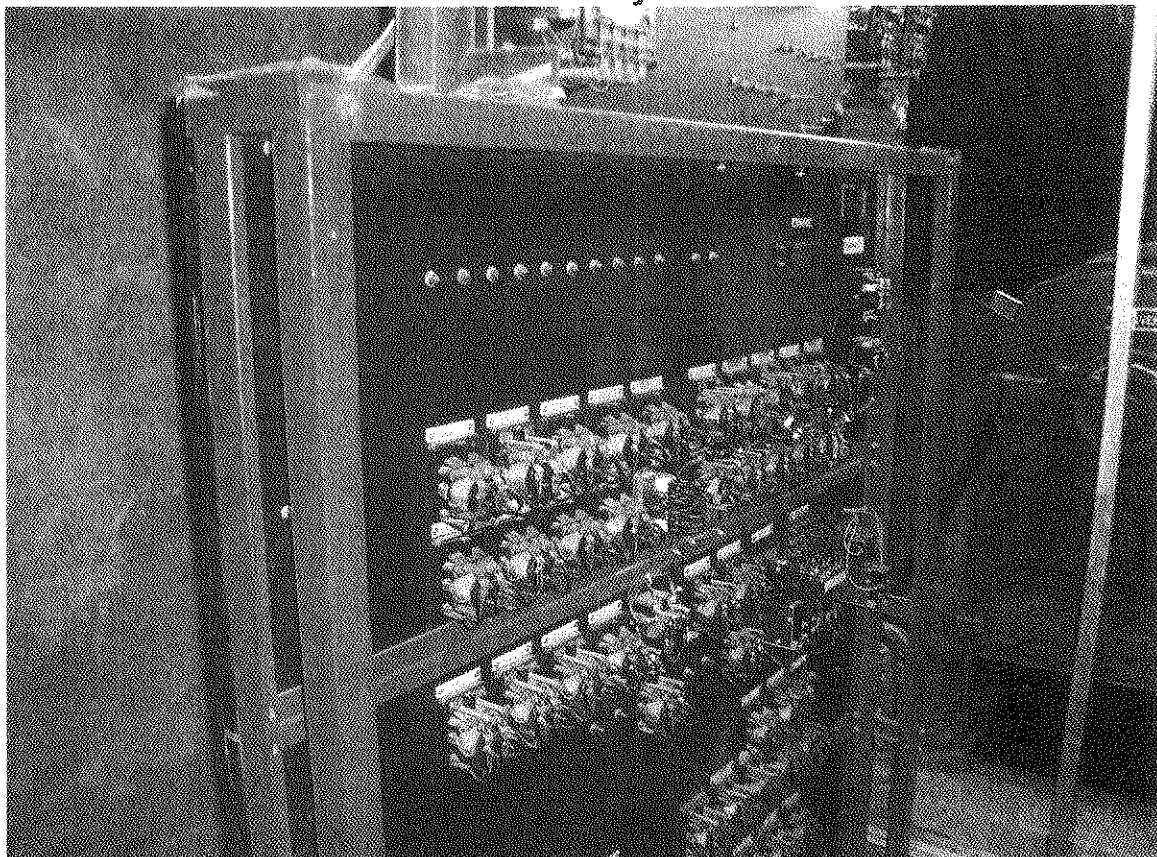
*Jeff*



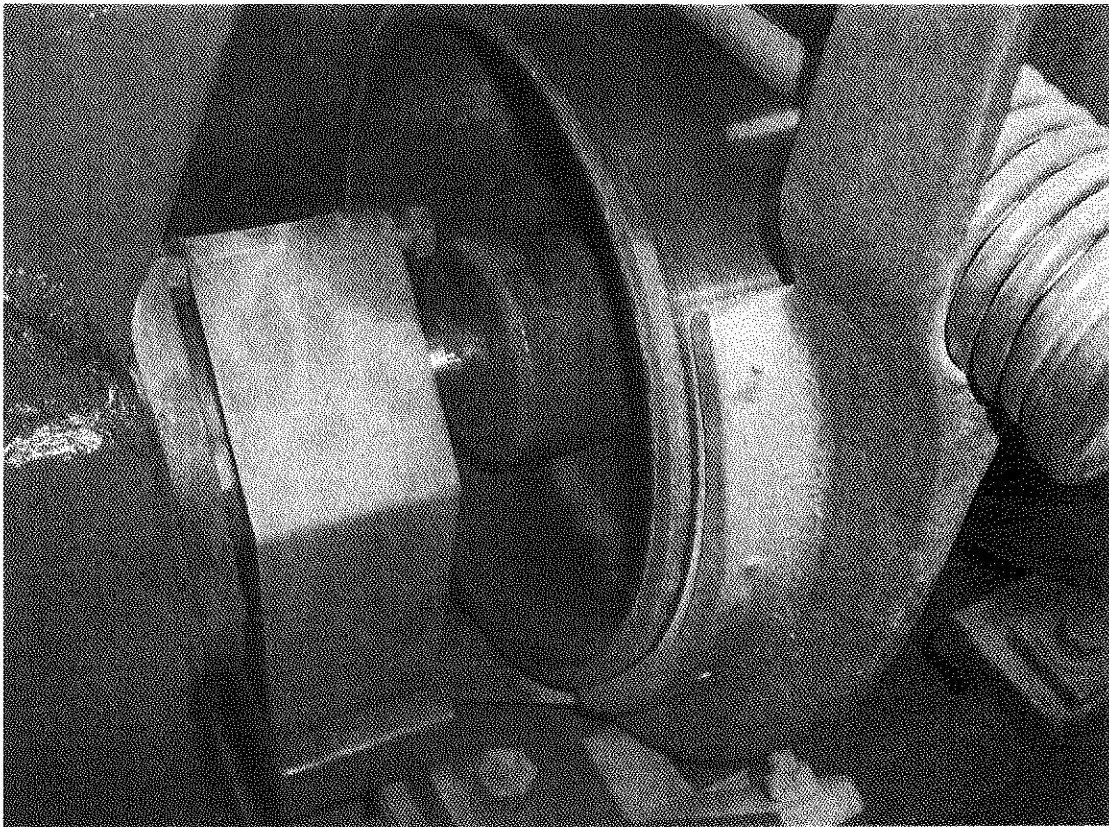
**APPENDIX D**  
**SAMPLE LOCATION MAP**  
**AND PHOTOS**



**Door caulk – Chrysotile 3%**



**Elevator Control Boards - Assumed**



**Elevator Brake Pads - Assumed**

**APPENDIX E**

**PERSONNEL AND LABORATORY**

**CERTIFICATIONS**

NEW YORK STATE - DEPARTMENT OF LABOR

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

ASBESTOS HANDLING LICENSE

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

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

Duly Authorized Representative — John Soter

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

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

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

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON  
03-31-2011

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

NUMBER  
3333 000266

VIRGINIA ASBESTOS LICENSE  
ASBESTOS ANALYTICAL LABORATORY LICENSE

PCM  
PLM  
TEM

AMERICA SCIENCE TEAM RICHMOND, INC  
13635 GENITO ROAD

MIDLOTHIAN, VA 23112



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

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NUMBER  
3303 003537

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INSPECTOR LICENSE

THOMAS P FERRO

PO BOX 35  
HALSTEAD, PA 19922



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

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33A OSPREY LN**

**GARDINER NY 12525**



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DANBURY CT 06811

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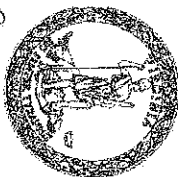
NUMBER

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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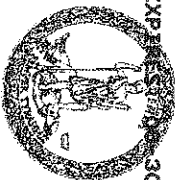
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VIRGINIA ASBESTOS LICENSE  
INSPECTOR LICENSE

NUMBER: 3303 003575 EXPIRES 06-30-2011

ROBERT A SEE  
15 BOYCE ST

BEACON NY 12508



DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
8960 Mayland Dr., Suite 400, Richmond, VA 23233

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