



Adelaide Environmental Health Associates, Inc.

**COMPREHENSIVE SURVEY FOR ASBESTOS CONTAINING
MATERIALS**

PERFORMED AT:

**Building 16
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

TABLE OF CONTENTS

| | | |
|------------|---|----------|
| 1.0 | Background/Purpose | 1 |
| 2.0 | Executive Summary of Inspection Results | 1 |
| 3.0 | Asbestos Field Procedures and Analysis Methodology | 3 |
| 3.1 | Inspection | 3 |
| 3.2 | Sampling | 3 |
| 3.3 | Analysis | 5 |
| 4.0 | Conclusions and Recommendations | 5 |
| 5.0 | Areas not Accessible | 5 |
| 6.0 | Report Certifications | 5 |

APPENDICES

| | |
|---|-------------------|
| Tabular List of Positive Materials by Room | Appendix A |
| Asbestos Report Form | Appendix B |
| Asbestos Analytical Results and Chain of Custody Forms | Appendix C |
| Sample Location Map and Photos | Appendix D |
| Personnel and Laboratory Certifications | Appendix E |

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 16 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 16. 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 | | | |
| 12"x12" Floor Tile Mastic (Black) for Non-ACM Floor Tiles (Tiles under carpet except in corridor) | 3868 SF | All Rooms on 1 st Floor except 10, 10A, 10B, 10C and 11 | 3% Chrysotile |
| Exterior Door Caulk | 75 LF | All Exterior Doors | 3% Chrysotile |
| Exterior Window Caulk | 400 LF | All Ground/Basement Floor Windows | 5% Chrysotile |
| Samples Taken Previously by Applied Laboratory Service (ALS) in 2002 | | | |
| Pipe Insulation | 300 LF* | Garages B1, B2, B8B and B9 | 35% Amosite |
| Pipe Fitting Insulation | 50 LF* | Garages B1, B2, B8B and B9 | 65% Chrysotile |
| White 12"x12" Floor Tile | 756 SF | B8, B8A and B8C | 5% Chrysotile |
| White 12"x12" Floor Tile Mastic | 756 SF | B8, B8A and B8C | 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:

- #4 – Floor Tile Mastic for non-acm Floor Tiles (Black)
- #5 – Exterior- Door Caulk
- #6 – Exterior- Window Caulk
- #7 - Pipe insulation (not fiberglass)
- #8 - Pipe Fitting Insulation
- #9 – 12"x12" Floor Tile Off white w/ Tan Streaks
- #10 – 12"x12" 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
- Repair compound on walls and ceilings
- Window glazing compound
- 2'x4' Ceiling Tiles
- 2'x2' Ceiling Tiles

- Pink HVAC Insulation
- Attic Insulation
- Carpet Mastic
- Wallboard

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 |
|---------|-----------------|---|------------------------------|------------------------------------|
| B1 | 7 & 8 | Pipe an Pipe Fitting Insulation | 30LF(pipe) 6LF(Fitting) | Good/Defer Action/None Required |
| B2 | 7 & 8 | Pipe an Pipe Fitting Insulation | 50LF(pipe) 13LF(Fitting) | Good/Defer Action/None Required |
| B8 | 9 & 10 | 12"x12" Offwhite w/ Tan Streak Floor Tiles and Mastic | 301 SF | Good/Defer Action/None Required |
| B8A | 9 & 10 | 12"x12" Offwhite w/ Tan Streak Floor Tiles and Mastic | 132 SF | Good/Defer Action/None Required |
| B8B | 7 & 8 | Pipe an Pipe Fitting Insulation | 30LF(pipe) 2LF(Fitting) | Good/Defer Action/None Required |
| B8C | 9 & 10 | 12"x12" Offwhite w/ Tan Streak Floor Tiles and Mastic | 323 SF | Good/Defer Action/None Required |
| B9 | 7 & 8 | Pipe an Pipe Fitting Insulation | 185LF(pipe) 27LF(Fitting) | Good/Defer Action/None Required |
| 1 | 4 | Floor Tile Mastic for non-ACM 12"x12" Floor Tiles (Underneath Carpet) | 191 SF | Good/Defer Action/None Required |
| 2 | 4 | Floor Tile Mastic for non-ACM 12"x12" Floor Tiles (Underneath Carpet) | 170 SF | Good/Defer Action/None Required |
| 3 | 4 | Floor Tile Mastic for non-ACM 12"x12" Floor Tiles (Underneath Carpet) | 246 SF | Good/Defer Action/None Required |
| 3A | 4 | Floor Tile Mastic for non-ACM 12"x12" Floor Tiles (Underneath Carpet) | 259 SF | Good/Defer Action/None Required |
| 4 | 4 | Floor Tile Mastic for non-ACM 12"x12" Floor Tiles (Underneath Carpet) | 250 SF | Good/Defer Action/None Required |
| 5 | 4 | Floor Tile Mastic for non-ACM 12"x12" Floor Tiles (Underneath Carpet) | 250 SF | Good/Defer Action/None Required |

APPENDIX A - TABULAR LIST OF POSITIVE MATERIALS BY ROOM

| Space # | Homogenous Area | Material Description | Quantity | Condition Response Action |
|----------|-----------------|---|----------|---------------------------------|
| 7 | 4 | Floor Tile Mastic for non-ACM 12"x12" Floor Tiles (Underneath Carpet) | 250 SF | Good/Defer Action/None Required |
| 8 | 4 | Floor Tile Mastic for non-ACM 12"x12" Floor Tiles (Underneath Carpet) | 261 SF | Good/Defer Action/None Required |
| 9 | 4 | Floor Tile Mastic for non-ACM 12"x12" Floor Tiles (Underneath Carpet) | 170 SF | Good/Defer Action/None Required |
| 12 | 4 | Floor Tile Mastic for non-ACM 12"x12" Floor Tiles (Underneath Carpet) | 144 SF | Good/Defer Action/None Required |
| 13 | 4 | Floor Tile Mastic for non-ACM 12"x12" Floor Tiles (Underneath Carpet) | 179 SF | Good/Defer Action/None Required |
| 14 | 4 | Floor Tile Mastic for non-ACM 12"x12" Floor Tiles (Underneath Carpet) | 182 SF | Good/Defer Action/None Required |
| 15 | 4 | Floor Tile Mastic for non-ACM 12"x12" Floor Tiles | 449 SF | Good/Defer Action/None Required |
| 16 | 4 | Floor Tile Mastic for non-ACM 12"x12" Floor Tiles | 50 SF | Good/Defer Action/None Required |
| 17 | 4 | Floor Tile Mastic for non-ACM 12"x12" Floor Tiles | 34 SF | Good/Defer Action/None Required |
| 18 | 4 | Floor Tile Mastic for non-ACM 12"x12" Floor Tiles (Underneath Carpet) | 240 SF | Good/Defer Action/None Required |
| 19 | 4 | Floor Tile Mastic for non-ACM 12"x12" Floor Tiles (Underneath Carpet) | 313 SF | Good/Defer Action/None Required |
| 20 | 4 | Floor Tile Mastic for non-ACM 12"x12" Floor Tiles (Underneath Carpet) | 229 SF | Good/Defer Action/None Required |
| Exterior | 5 & 6 | Door and Window Caulk | 475 LF | Good/Defer Action/None Required |

APPENDIX B

ASBESTOS REPORT FORM



Environmental Health Associates, Inc.

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

ASBESTOS REPORT FORM

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 16
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. |
|--------------------------|----|---|---------------|---------------------|---------------|-------|-------|----------|-------------|
| /110061658-01 | 1 | Floor B - Wall plaster - top coat | Surf. | F | 1 | | NAD | 10000 | SD |
| /110061658-02 | 2 | Floor B - Wall plaster - top coat | Surf. | F | 1 | | NAD | 10000 | SD |
| /110061658-03 | 3 | Floor B - Wall plaster - top coat | Surf. | F | 1 | | NAD | 10000 | SD |
| /110061658-04 | 4 | Floor B - Wall plaster - top coat | Surf. | F | 1 | | NAD | 10000 | sd |
| /110061658-05 | 5 | Floor B - Ceiling plaster - top coat | Surf. | F | 1 | | NAD | 10000 | SD |

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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|--------------------------------|----|---|---------------|------------------------|------------------|----------|----------|----------|----------------|
| /110061658-06 | 6 | Floor B - Ceiling plaster - top coat | Surf. | F | 1 | | NAD | 10000 | SD |
| /110061658-07 | 7 | Floor b - Ceiling plaster - top coat | Surf. | F | 1 | | NAD | 10000 | SD |
| /110061658-08 | 8 | Floor b - Wall plaster - base coat | Surf. | F | 2 | | NAD | 10000 | SD |
| /110061658-09 | 9 | Floor B - Wall plaster - base coat | Surf. | F | 2 | | NAD | 10000 | SD |
| /110061658-10 | 10 | Floor B - Wall plaster - base coat | Surf. | F | 2 | | NAD | 10000 | SD |
| /110061658-11 | 11 | Floor B - Wall plaster - base coat | Surf. | F | 2 | | NAD | 10000 | SD |

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

NA - Not Analyzed by Method
NA/PS - Not Analyzed, Positive Stop
NAD - No Asbestos Detected
Trace/NAD - Non-Asbestos by Definition
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| PESHOGS NO. / LAB ID NO. | ID | Sample Location, Coordinates Description and Other Comments | Material Type | Friable/ NonFriable | Homogenous ID | TEM % | PLM % | Quantity | Assess Cat. |
|--------------------------------|----|--|---------------|------------------------|------------------|----------|------------------|----------|----------------|
| /110061658-12 | 12 | Floor B - Ceiling Plaster - base coat | Surf. | F | 2 | | NAD | 10000 | SD |
| /110061658-13 | 13 | Floor B - Ceiling Plaster - base coat | Surf. | F | 2 | | NAD | 10000 | SD |
| /110061658-14 | 14 | Floor B - Ceiling Plaster - base coat | Surf. | F | 2 | | NAD | 10000 | SD |
| /110061658-15 | 15 | Floor B - Repair compound on walls and ceilings | Misc. | F | 3 | | NAD | 300 | SD |
| /110061658-16 | 16 | Floor B - Repair compound on walls and ceilings | Misc. | F | 3 | | NAD | 300 | SD |
| /110061658-17 | 17 | Floor 1 - Corridor - 12"x12" floor tile mastic for non-acm floor tiles (black) | Misc. | NF | 4 | | 3% Chrysotile | | G |

Misc. - Miscellaneous
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| Asbestos Bulk Sampling | | | | | | | | | | |
|------------------------|--------------------------------|----|--|---------------|------------------------|------------------|----------|------------------|----------|----------------|
| SERVICES PROVIDED | PESHOGS NO. / LAB ID NO. | ID | Sample Location, Coordinates Description and Other Comments | Material Type | Friable/ NonFriable | Homogenous ID | TEM % | PLM % | Quantity | Assess Cat. |
| | /110061658-18 | 18 | Floor 1 - Corridor - 12"x12" floor tile mastic for non-acm floor tiles (black) | Misc. | NF | 4 | | NA/PS | | G |
| | /110061658-19 | 19 | Floor G - Exterior - Door Caulk | Misc. | NF | 5 | | 3% Chrysotile | | G |
| | /110061658-20 | 20 | Floor g - Exterior - Door Caulk | Misc. | NF | 5 | | NA/PS | | G |
| | /110061658-21 | 21 | Floor G - Exterior - Window Caulk | Misc. | NF | 6 | | 5% Chrysotile | | G |
| | /110061658-22 | 22 | Floor G - Exterior - Window Caulk | Misc. | NF | 6 | | NA/PS | | G |
| | /110061658-23 | 23 | Floor G - Exterior - Window Glazing compound | Misc. | NF | 7 | | 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. |
|--------------------------------|----|---|---------------|------------------------|------------------|----------|----------|----------|----------------|
| /110061658-24 | 24 | Floor G - Exterior - Window Glazing compound | Misc. | NF | 7 | | NAD | | G |
| /110061658-25 | 25 | Floor G - Exterior - Brick Mortar | Misc. | F | 8 | | NAD | | G |
| /110061658-26 | 26 | Floor G - Exterior - Brick Mortar | Misc. | F | 8 | | NAD | | G |

Misc. - Miscellaneous
Surf. - Surfacing
TSI - Thermal System Insulation
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NA/PS - Not Analyzed, Positive Stop
NAD - No Asbestos Detected
Trace/NAD - Non-Asbestos by Definition
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D - Damaged
G - Good
UK - Unknown

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

Date Examined 06/23/10

AmeriSci Job # 110061658

P.O. #

Page 1 **of** 5

RE: VAMC:10079.00-IN; Salem VA Medical Center; Building 16;
1970 Roanoke Blvd, Salem, Virginia 24153

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|--------------------------------------|------------------|--|
| 1 | 110061658-01 | No | NAD |
| 1 | Location: Wall Plaster - Top Coat | | (by CVES) by J. Samuel Baird on 06/23/10 |
| Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) | | | |
| Asbestos Types: | | | |
| Other Material: Non-fibrous 100 % | | | |
| 2 | 110061658-02 | No | NAD |
| 1 | Location: Wall Plaster - Top Coat | | (by CVES) by J. Samuel Baird on 06/23/10 |
| Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) | | | |
| Asbestos Types: | | | |
| Other Material: Non-fibrous 100 % | | | |
| 3 | 110061658-03 | No | NAD |
| 1 | Location: Wall Plaster - Top Coat | | (by CVES) by J. Samuel Baird on 06/23/10 |
| Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) | | | |
| Asbestos Types: | | | |
| Other Material: Non-fibrous 100 % | | | |
| 4 | 110061658-04 | No | NAD |
| 1 | Location: Wall Plaster - Top Coat | | (by CVES) by J. Samuel Baird on 06/23/10 |
| Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) | | | |
| Asbestos Types: | | | |
| Other Material: Non-fibrous 100 % | | | |
| 5 | 110061658-05 | No | NAD |
| 1 | Location: Ceiling Plaster - Top Coat | | (by CVES) by J. Samuel Baird on 06/23/10 |
| Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) | | | |
| Asbestos Types: | | | |
| Other Material: Non-fibrous 100 % | | | |

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos ReportVAMC:10079.00-IN; Salem VA Medical Center; Building 16;
1970 Roanoke Blvd, Salem, Virginia 24153

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|--|--|------------------|---|
| 6 1 | 110061658-06 Location: Ceiling Plaster - Top Coat | No | NAD (by CVES) by J. Samuel Baird on 06/23/10 |
| Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 % | | | |
| 7 1 | 110061658-07 Location: Ceiling Plaster - Top Coat | No | NAD (by CVES) by J. Samuel Baird on 06/23/10 |
| Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 % | | | |
| 8 2 | 110061658-08 Location: Wall Plaster - Base Coat | No | NAD (by CVES) by J. Samuel Baird on 06/23/10 |
| Analyst Description: Gray, Heterogeneous, Non-Fibrous, Base Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 % | | | |
| 9 2 | 110061658-09 Location: Wall Plaster - Base Coat | No | NAD (by CVES) by J. Samuel Baird on 06/23/10 |
| Analyst Description: Gray, Heterogeneous, Non-Fibrous, Base Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 % | | | |
| 10 2 | 110061658-10 Location: Wall Plaster - Base Coat | No | NAD (by CVES) by J. Samuel Baird on 06/23/10 |
| Analyst Description: Gray, Heterogeneous, Non-Fibrous, Base Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 % | | | |
| 11 2 | 110061658-11 Location: Wall Plaster - Base Coat | No | NAD (by CVES) by J. Samuel Baird on 06/23/10 |
| Analyst Description: Gray, Heterogeneous, Non-Fibrous, Base Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 % | | | |

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PLM Bulk Asbestos ReportVAMC:10079.00-IN; Salem VA Medical Center; Building 16;
1970 Roanoke Blvd, Salem, Virginia 24153

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|--|--|------------------|---|
| 12 2 | 110061658-12 Location: Ceiling Plaster - Base Coat | No | NAD (by CVES) by J. Samuel Baird on 06/23/10 |
| Analyst Description: Brown, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 % | | | |
| 13 2 | 110061658-13 Location: Ceiling Plaster - Base Coat | No | NAD (by CVES) by J. Samuel Baird on 06/23/10 |
| Analyst Description: Brown, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 % | | | |
| 14 2 | 110061658-14 Location: Ceiling Plaster - Base Coat | No | NAD (by CVES) by J. Samuel Baird on 06/23/10 |
| Analyst Description: Brown, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 % | | | |
| 15 3 | 110061658-15 Location: Repair Compound On Walls and Ceilings | No | NAD (by CVES) by J. Samuel Baird on 06/23/10 |
| Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 % | | | |
| 16 3 | 110061658-16 Location: Repair Compound On Walls and Ceilings | No | NAD (by CVES) by J. Samuel Baird on 06/23/10 |
| Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 % | | | |
| 17 4 | 110061658-17 Location: Corridor - 12"x12" Floor Tile Mastic For Non-ACM Floor Tiles (Black) | Yes | 3 % (by CVES) by J. Samuel Baird on 06/23/10 |
| Analyst Description: Black, Heterogeneous, Non-Fibrous, Mastic Asbestos Types: Chrysotile 3.0 % Other Material: Non-fibrous 97 % | | | |

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos ReportVAMC:10079.00-IN; Salem VA Medical Center; Building 16;
1970 Roanoke Blvd, Salem, Virginia 24153

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|--|--|------------------|---|
| 18 4 | 110061658-18 Location: Corridor - 12"x12" Floor Tile Mastic For Non-ACM Floor Tiles (Black) | | NA/PS |
| Analyst Description: Bulk Material Asbestos Types: Other Material: | | | |
| 19 5 | 110061658-19 Location: Exterior - Door Caulk | Yes | 3 % (by CVES) by J. Samuel Baird on 06/23/10 |
| Analyst Description: White, Heterogeneous, Non-Fibrous, Caulk Asbestos Types: Chrysotile 3.0 % Other Material: Non-fibrous 97 % | | | |
| 20 5 | 110061658-20 Location: Exterior - Door Caulk | | NA/PS |
| Analyst Description: Bulk Material Asbestos Types: Other Material: | | | |
| 21 6 | 110061658-21 Location: Exterior - Window Caulk | Yes | 5 % (by CVES) by J. Samuel Baird on 06/23/10 |
| Analyst Description: White/Gray, Heterogeneous, Non-Fibrous, Window Caulk Asbestos Types: Chrysotile 5.0 % Other Material: Non-fibrous 95 % | | | |
| 22 6 | 110061658-22 Location: Exterior - Window Caulk | | NA/PS |
| Analyst Description: Window Caulk Asbestos Types: Other Material: | | | |
| 23 7 | 110061658-23 Location: Exterior - Window Glazing Compound | No | NAD (by CVES) by J. Samuel Baird on 06/23/10 |
| Analyst Description: White, Heterogeneous, Non-Fibrous, Window Glazing Asbestos Types: Other Material: Non-fibrous 100 % | | | |

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos ReportVAMC:10079.00-IN; Salem VA Medical Center; Building 16;
1970 Roanoke Blvd, Salem, Virginia 24153

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|--|--|------------------|---|
| 24 7 | 110061658-24 Location: Exterior - Window Glazing Compound | No | NAD (by CVES) by J. Samuel Baird on 06/23/10 |
| Analyst Description: White, Heterogeneous, Non-Fibrous, Window Glazing Asbestos Types: Other Material: Non-fibrous 100 % | | | |
| 25 8 | 110061658-25 Location: Exterior - Brick Mortar | No | NAD (by CVES) by J. Samuel Baird on 06/23/10 |
| Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Mortar Asbestos Types: Other Material: Non-fibrous 100 % | | | |
| 26 8 | 110061658-26 Location: Exterior - Brick Mortar | No | NAD (by CVES) by J. Samuel Baird on 06/23/10 |
| Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Mortar Asbestos Types: Other Material: Non-fibrous 100 % | | | |

Reporting Notes:

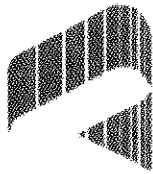
Analyzed by: J. Samuel Baird

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: 



Adelaide
Environmental Health Associates, Inc.

110061658

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

Chain of Custody

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 16
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 | | Condition SD, D, G, UK: |
|------------|-------------|-----------------|-----------------------------|--------------------|------------|---------|-------------------------|
| | | | | | NonFriable | Friable | |
| 1 | B | 1 | Wall plaster - top coat | 10000 | F | | SD |
| 2 | B | 1 | Wall plaster - top coat | 10000 | F | | SD |
| 3 | B | 1 | Wall plaster - top coat | 10000 | F | | SD |
| 4 | B | 1 | Wall plaster - top coat | 10000 | F | | sd |
| 5 | B | 1 | Ceiling plaster - top coat | 10000 | F | | SD |
| 6 | B | 1 | Ceiling plaster - top coat | 10000 | F | | SD |
| 7 | b | 1 | Ceiling plaster - top coat | 10000 | F | | SD |

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

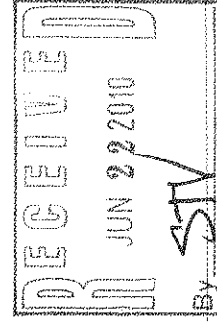
Relinquished by:

Received by:

Relinquished by:

Received by:

Page 1 of 3



110061658

Chain of Custody

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 16
1970 Roanoke Blvd
Salem, Virginia 24153DATE 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 | | Condition SD, D, G, UK: |
|------------|-------------|-----------------|--|--------------------|------------|---------|-------------------------|
| | | | | | NonFriable | Friable | |
| 8 | b | 2 | Wall plaster - base coat | 10000 | F | | SD |
| 9 | B | 2 | Wall plaster - base coat | 10000 | F | | SD |
| 10 | B | 2 | Wall plaster - base coat | 10000 | F | | SD |
| 11 | B | 2 | Wall plaster - base coat | 10000 | F | | SD |
| 12 | B | 2 | Ceiling Plaster - base coat | 10000 | F | | SD |
| 13 | B | 2 | Ceiling Plaster - base coat | 10000 | F | | SD |
| 14 | B | 2 | Ceiling Plaster - base coat | 10000 | F | | SD |
| 15 | B | 3 | Repair compound on walls and ceilings | 300 | F | | SD |
| 16 | B | 3 | Repair compound on walls and ceilings | 300 | F | | SD |
| 17 | 1 | 4 | Corridor - 12"x12" floor tile mastic for non-acm floor tiles (black) | | NF | | 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

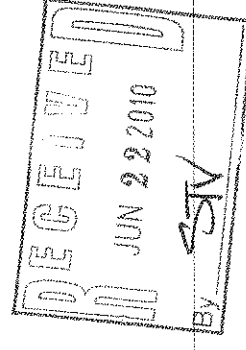
72 hr TAT

Relinquished by:

Received by:

Relinquished by:

Received by:



Chain of Custody

1100616F8

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 16
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 | 1 | 4 | Corridor - 12"x12" floor tile mastic for non-acm floor tiles (black) | | NF | G |
| 19 | G | 5 | Exterior - Door Caulk | | NF | G |
| 20 | g | 5 | Exterior - Door Caulk | | NF | G |
| 21 | G | 6 | Exterior - Window Caulk | | NF | G |
| 22 | G | 6 | Exterior - Window Caulk | | NF | G |
| 23 | G | 7 | Exterior - Window Glazing compound | | NF | G |
| 24 | G | 7 | Exterior - Window Glazing compound | | NF | G |
| 25 | G | 8 | Exterior - Brick Mortar | | F | G |
| 26 | G | 8 | Exterior - Brick Mortar | | F | G |

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

Page 3 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

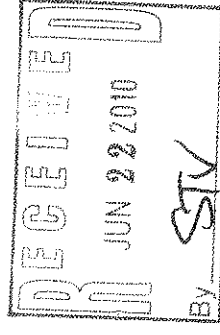
72 hr TAT

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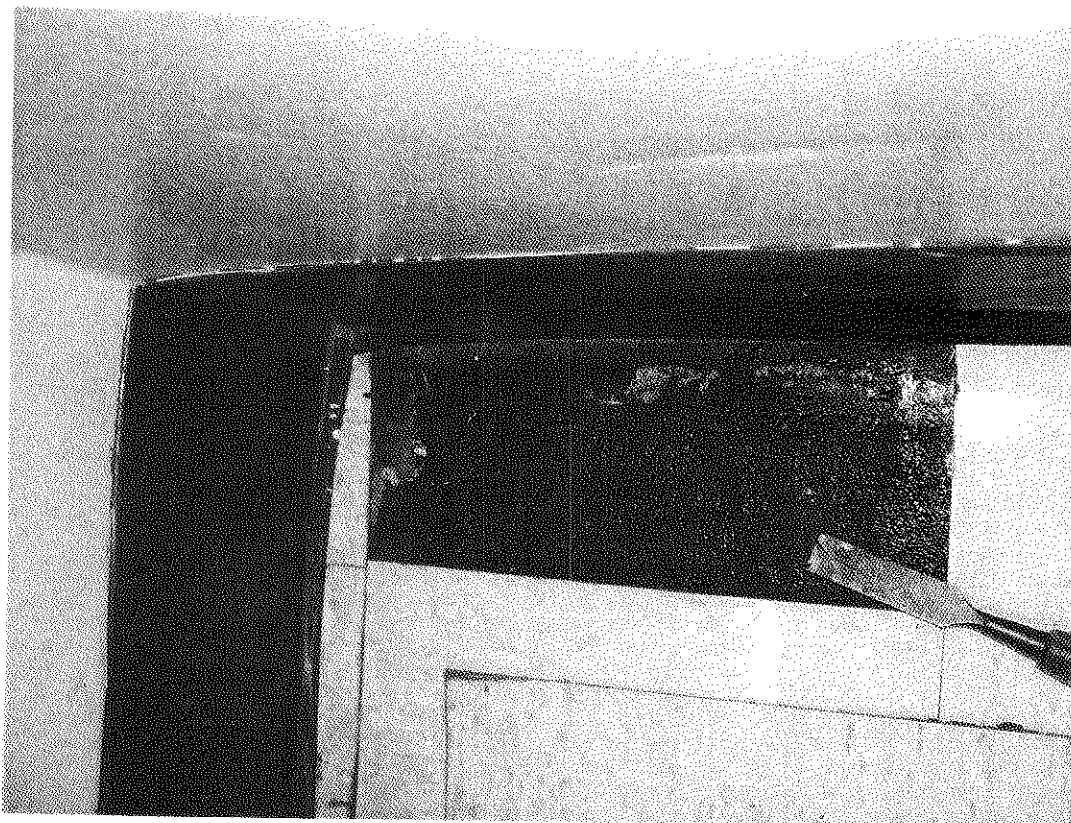
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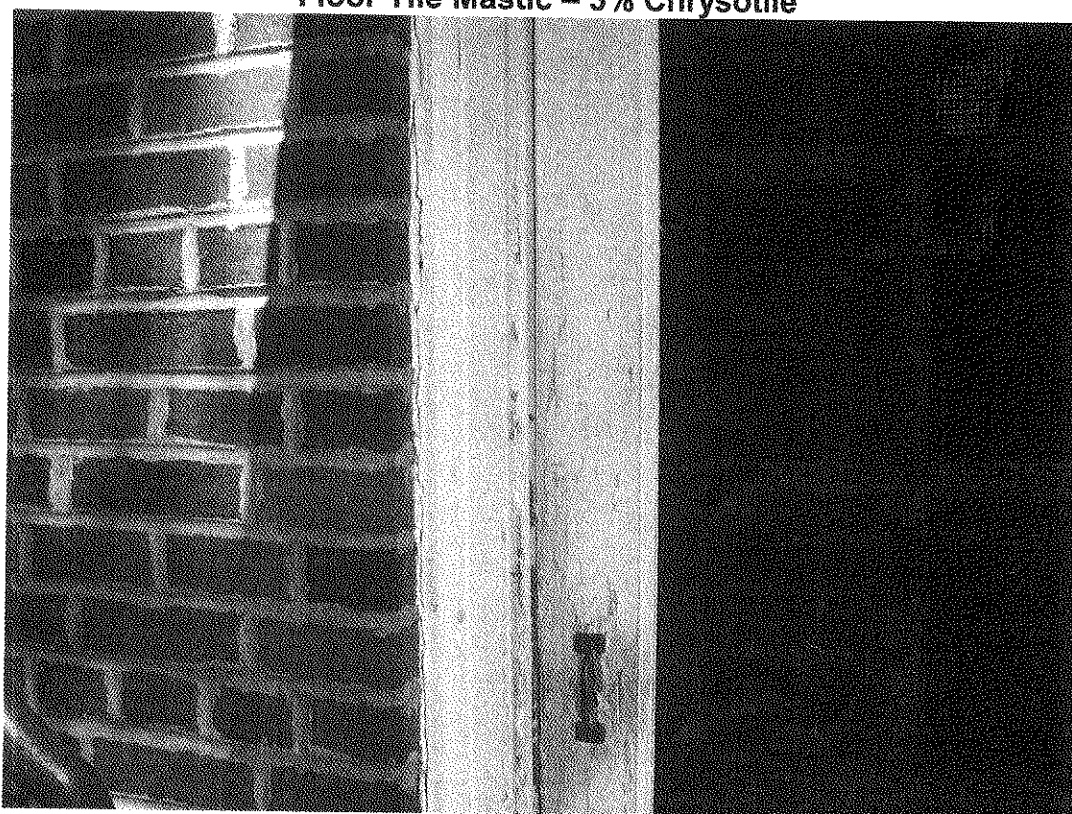
Received by:



APPENDIX D
SAMPLE LOCATION MAP
AND PHOTOS



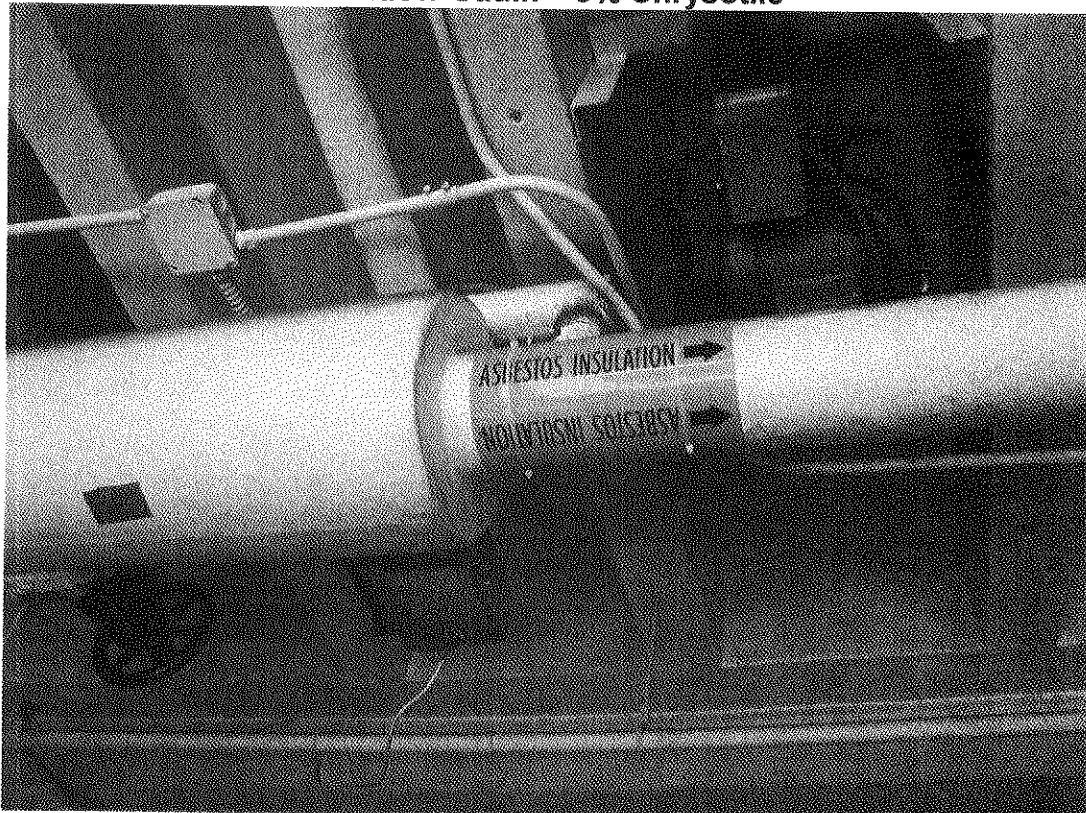
Floor Tile Mastic – 3% Chrysotile



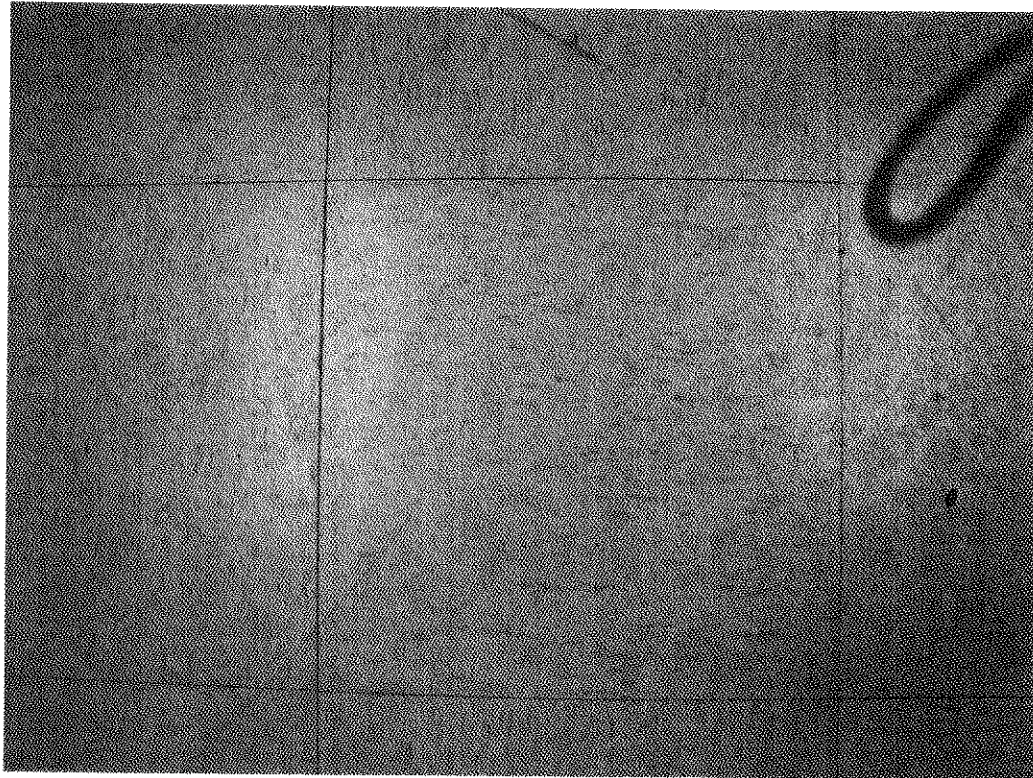
Door Caulk – 3% Chrysotile



Window Caulk – 5% Chrysotile



Pipe and Pipe Fitting Insulation



12"x12" Off white with Tan streaks Floor Tile and Mastic

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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ASBESTOS ANALYTICAL LABORATORY
NUMBER: 3333 000266 EXPIRES: 03-31-2011
PCM PLM TEM

AMERICA SCIENCE TEAM RICHMOND, INC
13635 GENITO ROAD

MIDLOTHIAN VA 23112



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COMMONWEALTH OF VIRGINIA

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04-30-2011

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

NUMBER
3303 003537

VIRGINIA ASBESTOS LICENSE
INSPECTOR LICENSE

THOMAS P FERRO

PO BOX 35
HALSTEAD, PA 19922



Jay W. DeBoer
Jay W. DeBoer, Director

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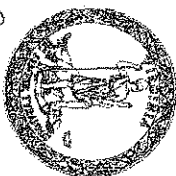
NUMBER

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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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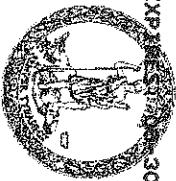
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BEACON NY 12508



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