



Adelaide Environmental Health Associates, Inc.

**COMPREHENSIVE SURVEY FOR ASBESTOS CONTAINING
MATERIALS**

PERFORMED AT:

**Building 10
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
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DATED:

July 26, 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 10 is located on the VAMC campus located at 1970 Roanoke Blvd, Salem, Virginia 24153. It is a two story structure with a basement, crawl space and attic, constructed of brick and built circa 1940. Following the scope of work that was provided from the VAMC, Adelaide inspected all accessible areas of Building 10. 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 fifty-two (52) 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 – Tabular Listing of Positive Materials by Room, which assesses the condition of each ACM as found at the time of this survey and identifies any high-priority areas requiring immediate attention.

Table 2.0 - Summary of Asbestos Containing Materials

Material	Approximate Quantity	Locations Of Material	Asbestos Content and Type
Samples Taken by Adelaide Environmental			
Vertical caulk on exterior porches were wooden pillars and brick meet	320 LF	Exterior Porches (Rms 111A, 125D, 211A and 224A)	2% Chrysotile
Sink basin under coating (white)	4 SF	Kitchen Room 7	7% Chrysotile
12"x12" Cream w/ brown and red floor tile (thinner type tiles)	690 SF	Rooms 9a, 9b, 9c, 9d ,10	2% Chrysotile
Floor tile mastic for HA #9 (12"x12" Cream w/ brown and red)	840 SF	Rooms 9a, 9b, 9c, 9d ,10 and 10a(tiles gone mastic remains under carpet)	10% Chrysotile
Exterior door caulk	180 LF	All Exterior Doors	5% Chrysotile
Old Window Caulk underneath new caulking	5000 LF	All Exterior Windows	5% Chrysotile
Suspect debris on poly covering the dirt floor	2500 SF	Entire Crawlspace (Area is Contaminated ~5000 SF)	20% Amosite
Suspect Debris on Dirt Floor	2500 SF	Entire Crawlspace (Area is Contaminated ~5000 SF)	30% Chrysotile and 2% Amosite (32% Total Asbestos)
Samples Taken by Applied Laboratory Services (ALS) in 2002			
4" and 2" TSI Pipe Insulation	-	Multiple Locations (Refer to Appendix A)	20% Chrysotile
1" TSI Pipe Insulation	-	Multiple Locations (Refer to Appendix A)	15% Chrysotile
4" TSI Elbow Insulation	-	Multiple Locations (Refer to Appendix A)	20% Amosite
1" and 2" TSI Elbow Insulation	-	Multiple Locations (Refer to Appendix A)	10% Chrysotile and 20% Amosite (30% total asbestos)
All Pipe and fitting insulation (not fiberglass)	1443 LF*	Multiple Locations (Refer to Appendix A)	Refer to samples above
Floor tile mastic in basement corridor	3500 SF	Corridor 12, 12A and 13	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.

The entire crawlspace is contaminated and needs to be cleaned before workers and visitors are allowed to enter. Refer to Appendix A for a list of rooms which have materials that require immediate high-priority attention.

Positive Homogenous Material List

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

- #4 – Vertical caulk on exterior porches where wooden pillars and brick meet
- #7 – Kitchen Room 7 – Sink basin under coating (white)
- #9 – 12"x12" Cream w/ brown and red floor tile (thinner type tiles)
- #10 – Floor tile mastic for HA #9
- #16 – Exterior door caulk
- #17 – Old window caulk underneath new caulking
- #19 – Suspect debris on poly covering the dirt floor
- #20 – Suspect debris on the dirt floor
- #21 – All TSI Pipe and pipe fitting insulation (tested positive by ALS)
- #22 – Floor tile mastic for 12"x12" cream mottled floor tiles (tested positive by ALS)

Negative Material List

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

- Brick Mortar
- Mudded pipe fitting insulation for the fiberglass insulated pipes
- Newer 12"x12" w/ white and gray floor tiles and associated mastic
- Drywall
- Joint Compound
- Kitchen room 7 – Floor tile mastic (black)
- Pink penetration fire stop
- Wall plaster – top and base coats
- Ceiling plaster – top and base coats
- Stone Mortar
- Sub Basement Mechanical Room – Tank insulation (white block)
- Tan 12"x12" Floor tile in room 1
- 2'x2' Ceiling tiles (Beige and White)
- 2'x2' Ceiling Tiles (gray and beige)

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
4A	21	Multiple Sizes of TSI Pipe Insulation and Pipe Fittings	40LF(pipe) & 8LF(elbow)	Good/Defer Action/None Required
7	7	Sink Basin Undercoating (White)	4 SF	Good/Defer Action/None Required
9e	21	Multiple Sizes of TSI Pipe Insulation and Pipe Fittings (Above Drop Ceiling)	20LF(pipe) & 5LF(elbow)	Good/Defer Action/None Required
9d	9	12"x12" Cream w/ brown and red floor tile (thinner type tiles) - Under Carpet	130 SF	Good/Defer Action/None Required
	10	Floor Tile Mastic for HA#9	130 SF	Good/Defer Action/None Required
9c	9	12"x12" Cream w/ brown and red floor tile (thinner type tiles) - Under Carpet	110 SF	Good/Defer Action/None Required
	10	Floor Tile Mastic for HA#9	110 SF	Good/Defer Action/None Required
	21	Multiple Sizes of TSI Pipe Insulation and Pipe Fittings (Above Drop Ceiling)	12 LF	Good/Defer Action/None Required
9b	9	12"x12" Cream w/ brown and red floor tile (thinner type tiles) - Under Carpet	120 SF	Good/Defer Action/None Required
	10	Floor Tile Mastic for HA#9	120 SF	Good/Defer Action/None Required
	21	Multiple Sizes of TSI Pipe Insulation and Pipe Fittings (Above Drop Ceiling)	6LF(pipe) & 2LF(elbow)	Good/Defer Action/None Required
9a	9	12"x12" Cream w/ brown and red floor tile (thinner type tiles) - Under Carpet	120 SF	Good/Defer Action/None Required
	10	Floor Tile Mastic for HA#9	120 SF	Good/Defer Action/None Required

Areas which require immediate attention are in **bold**

APPENDIX A - TABULAR LIST OF POSITIVE MATERIALS BY ROOM

Space #	Homogenous Area	Material Description	Quantity	Condition Response Action
9a	21	Multiple Sizes of TSI Pipe Insulation and Pipe Fittings (Above Drop Ceiling)	20LF(pipe) & 4LF(elbow)	Good/Defer Action/None Required
10	9	12"x12" Cream w/ brown and red floor tile (thinner type tiles)	210 SF	Good/Defer Action/None Required
	10	Floor Tile Mastic for HA#9	210 SF	Good/Defer Action/None Required
	21	Multiple Sizes of TSI Pipe Insulation and Pipe Fittings (Above Drop Ceiling)	20LF(pipe) & 6LF(elbow)	Good/Defer Action/None Required
10a	10	Floor Tile Mastic for HA#9 (Tiles missing but mastic remains; carpet is now over just mastic)	150 SF	Good/Defer Action/None Required
	21	Multiple Sizes of TSI Pipe Insulation and Pipe Fittings (Above Drop Ceiling)	12LF(pipe) & 3LF(elbow)	Good/Defer Action/None Required
10d	21	Multiple Sizes of TSI Pipe Insulation and Pipe Fittings (Above Drop Ceiling)	40LF(pipe) & 8LF(elbow)	Significantly Damaged/Remove/ Required - High Priority
Corridor 12	22	Floor Tile Mastic for 12"x12" Cream mottled floor tile	1500 SF	Good/Defer Action/None Required
Corridor 12A	22	Floor Tile Mastic for 12"x12" Cream mottled floor tile	1000 SF	Good/Defer Action/None Required
Corridor 13	22	Floor Tile Mastic for 12"x12" Cream mottled floor tile	1000 SF	Good/Defer Action/None Required
Partially Excavated Crawlspace	19	Debris on poly covering the dirt floor	2500 SF	Significantly Damaged/Remove/ Required - High Priority
	20	Debris on the dirt floor	2500 SF	Significantly Damaged/Remove/ Required - High Priority
	21	Multiple Sizes of TSI Pipe Insulation and Pipe Fittings	1200 LF	Damaged/Removal/Required

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Space #	Homogenous Area	Material Description	Quantity	Condition Response Action
104	21	Multiple Sizes of TSI Pipe Insulation and Pipe Fittings (visible in chase)	20 LF	Good/Defer Action/None Required
106A	21	Multiple Sizes of TSI Pipe Insulation and Pipe Fittings (visible in chase)	1 LF	Damaged/Removal/Required
Suite 107	21	Multiple Sizes of TSI Pipe Insulation and Pipe Fittings (exposed ends visible in chase)	in chases	Damaged/Enclosure/Required
108	21	Multiple Sizes of TSI Pipe Insulation and Pipe Fittings (exposed ends visible in chase)	in chase	Damaged/Enclosure/Required
110	21	Multiple Sizes of TSI Pipe Insulation and Pipe Fittings (exposed ends visible in chase)	in chase	Damaged/Enclosure/Required
111	21	Multiple Sizes of TSI Pipe Insulation and Pipe Fittings (exposed ends visible in chase)	in chase	Damaged/Enclosure/Required
111A	4	Vertical Caulk on exterior porches were wooden pillars and brick meet	80 LF	Good/Defer Action/None Required
113	21	Multiple Sizes of TSI Pipe Insulation and Pipe Fittings (exposed ends visible in chase)	in chase	Damaged/Enclosure/Required
119A-E	21	Multiple Sizes of TSI Pipe Insulation and Pipe Fittings (exposed ends visible in chase)	in chase	Damaged/Enclosure/Required
122	21	Pipe insulation Debris on concrete ceiling and on electrical lines	10 SF area	Significantly Damaged/Remove/Required - High Priority
123	21	Pipe insulation Debris on pipes and a piece still remains	2 LF	Significantly Damaged/Remove/Required - High Priority
125C (marked 125D on drawings)	21	Pipe insulation debris is hanging from the ceiling plaster lathe	1 SF	Significantly Damaged/Remove/Required - High Priority
125D (marked 125C on drawings)	4	Vertical Caulk on exterior porches were wooden pillars and brick meet	80 LF	Good/Defer Action/None Required

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Space #	Homogenous Area	Material Description	Quantity	Condition Response Action
125E	21	Pipe insulation. 6 Exposed ends are cut off at wall penetrations and 3 are partially covered with mortar.	4 LF	Significantly Damaged/Remove/ Required - High Priority
126	21	Pipe Insulation (pipes along back wall are not clean and have ACM residue on them	1 LF	Significantly Damaged/Remove/ Required - High Priority
126A	21	Pipe Insulation (Between CMU walls toward back of the chase)	8 LF	Damaged/Removal/Required
128A	21	Pipe Insulation (above plaster ceiling and visible from 126A)	2 LF	Damaged/Removal/Required
129	21	Multiple Sizes of TSI Pipe Insulation and Pipe Fittings (exposed ends visible in chase)	in chase	Damaged/Enclosure/Required
Chase 209A	21	Pipe fitting insulation residue on two valves (from porr abatement)	2 LF	Significantly Damaged/Remove/ Required - High Priority
211A	4	Vertical Caulk on exterior porches were wooden pillars and brick meet	80 LF	Good/Defer Action/None Required
Chase 216A	21	Pipe insulation is left in wall and chase is dirty	1 LF	Significantly Damaged/Remove/ Required - High Priority
224A	4	Vertical Caulk on exterior porches were wooden pillars and brick meet	80 LF	Good/Defer Action/None Required
Chase 225A	21	Pipe Insulation toward ceiling	<1 LF	Significantly Damaged/Remove/ Required - High Priority
227A	21	Pipe Insulation above plaster ceiling (visible from 227)	10 LF	Good/Defer Action/None Required
Exterior	16	Exterior Door Caulk	180 LF	Good/Defer Action/None Required
Exterior	17	Old Window Caulk underneath new caulking	5000 LF	Good/Defer Action/None Required

Areas which require immediate attention are in **bold**

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 10
1970 Roanoke Blvd
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010
DATE COMPLETED: 6/15/2010
DATE REPORTED:
TOTAL SAMPLE COUNT: 52
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.
/110061652-01	1	Floor 2 - Room 201C - Mudded pipe fitting insulation for fiberglass pipe insulation lines	TSI	F	1		NAD		G
/110061652-02	2	Floor B - Room 2 - Mudded pipe fitting insulation for fiberglass pipe insulation lines	TSI	F	1		NAD		G
/110061652-03	3	Floor SB - Sub Basement Mechanical room - Mudded pipe fitting insulation for fiberglass pipe insulation lines	TSI	F	1		NAD		G

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

NA - Not Analyzed by Method
NA/PS - Not Analyzed, Positive Stop
NAD - No Asbestos Detected
Trace/NAD - Non-Asbestos by Definition
SD - Significantly Damaged
D - Damaged
G - Good
UK - Unknown

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/110061652-04	4	Floor 2 - Closet 201B - Floor tile mastic for newer 12"x12" white w/ gray/blue floor tiles (black mastic)	Misc.	NF	2		NAD		G
/110061652-05	5	Floor 2 - Corridor outside of Room 211 - Floor tile mastic for newer 12"x12" white w/ gray/blue floor tiles (black mastic)	Misc.	NF	2		Trace<1% Chrysotile		G
/110061652-06	6	Floor 1 - Corridor outside Room 107 - Floor tile mastic for newer 12"x12" white w/ gray/blue floor tiles (yellow mastic w/some black residual)	Misc.	NF	3		NAD		G

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/110061652-07	7	Floor 1 - Corridor outside Room 125 - Floor tile mastic for newer 12"x12" white w/ gray/blue floor tiles (yellow mastic)	Misc.	NF	3		NAD		G
/110061652-08	8	Floor 1 - Exterior Porch Room 111A - Vertical caulk where wooden pillars and brick meet	Misc.	NF	4		2% Chrysotile		G
/110061652-09	9	Floor 1 - Exterior Porch Room 125D - Vertical caulk where wooden pillars and brick meet	Misc.	NF	4		NA/PS		G
/110061652-10	10	Floor B - Room 2 - Drywall	Misc.	F	5		NAD		G
/110061652-11	11	Floor B - Room 2 - Joint Compound	Misc.	F	6		NAD		G

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/110061652-12	12	Floor B - Kitchen Room 7 - Drywall	Misc.	F	5		NAD		G
/110061652-13	13	Floor B - Kitchen Room 7 - Joint Compound	Misc.	F	6		NAD		G
/110061652-14	14	Floor B - Kitchen Room 7 - Sink basin under coating (white)	Misc.	F	7		7% Chrysotile		G
/110061652-15	15	Floor B - Kitchen Room 7 - Sink basin under coating (white)	Misc.	F	7		NA/PS		G
/110061652-16	16	Floor B - Kitchen Room 7 - Floor tile mastic (black)	Misc.	NF	8		NAD		G
/110061652-17	17	Floor B - Kitchen Room 7 - Floor tile mastic (black)	Misc.	NF	8		NAD		G

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/110061652-18	18	Floor B - Room 9d - Under the Carpet - 12"x12" cream w/ brown and red floor tile (thinner type tiles)	Misc.	NF	9		2% Chrysotile		G
/110061652-19	19	Floor B - Room 9c - Under the Carpet - 12"x12" cream w/ brown and red floor tile (thinner type tiles)	Misc.	NF	9		NA/PS		G
/110061652-20	20	Floor B - Room 9d - Under the Carpet - floor tile mastic for HA # 9	Misc.	NF	10		10% Chrysotile		G
/110061652-21	21	Floor B - Room 9c - Under the Carpet - floor tile mastic for HA # 9	Misc.	NF	10		NA/PS		G
/110061652-22	22	Floor SB - Sub Basement Stairwell (Service 8) - Pink Firestop (soft)	Misc.	F	11		NAD		D

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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.
/110061652-23	23	Floor SB - Sub Basement Stairwell (Service 8) - Pink Firestop (soft)	Misc.	F	11		NAD		D
/110061652-24	24	Floor 2 - Stairwell 223 - Ceiling Plaster - Top Coat (white)	Surf.	F	12		NAD		D
/110061652-25	25	Floor 2 - Stairwell 223 - Ceiling Plaster - Top Coat (white)	Surf.	F	12		NAD		D
/110061652-26	26	Floor 2 - Stairwell 223 - Ceiling Plaster - Top Coat (white)	Surf.	F	12		NAD		D
/110061652-27	27	Floor 1 - Corridor 130A - Ceiling Plaster - Top Coat (white)	Surf.	F	12		NAD		D
/110061652-28	28	Floor 1 - Corridor 130A - Ceiling Plaster - Top Coat (white)	Surf.	F	12		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

ASBESTOS REPORT FORM

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 10
1970 Roanoke Blvd
Salem, Virginia 24153

DATE RECIEVED: 6/7/2010
DATE COMPLETED: 6/15/2010
DATE REPORTED:
TOTAL SAMPLE COUNT: 52
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.
/110061652-29	29	Floor B - Room 11 - Ceiling Plaster - Top Coat (white)	Surf.	F	12		NAD		SD
/110061652-30	30	Floor B - Room 11 - Ceiling Plaster - Top Coat (white)	Surf.	F	12		NAD		SD
/110061652-31	31	Floor 2 - Stairwell 223 - Ceiling Plaster - Base Coat (beige)	Surf.	F	13		NAD		D
/110061652-32	32	Floor 2 - Stairwell 223 - Ceiling Plaster - Base Coat (beige)	Surf.	F	13		NAD		D
/110061652-33	33	Floor 2 - Stairwell 223 - Ceiling Plaster - Base Coat (beige)	Surf.	F	13		NAD		D
/110061652-34	34	Floor 1 - Corridor 130A - Ceiling Plaster - Base Coat (beige)	Surf.	F	13		NAD		D
/110061652-35	35	Floor 1 - Corridor 130A - Ceiling Plaster - Base Coat (beige)	Surf.	F	13		NAD		D

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TOTAL SAMPLE COUNT: 52
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.
/110061652-36	36	Floor B - Room 11 - Ceiling Plaster - Base Coat (beige)	Surf.	F	13		NAD		SD
/110061652-37	37	Floor B - Room 11 - Ceiling Plaster - Base Coat (beige)	Surf.	F	13		NAD		SD
/110061652-38	38	Floor G - Exterior - Brick Mortar	Misc.	F	14		NAD		G
/110061652-39	39	Floor G - Exterior - Brick Mortar	Misc.	F	14		NAD		G
/110061652-40	40	Floor G - Exterior - Stone Mortar	Misc.	F	15		NAD		G
/110061652-41	41	Floor G - Exterior - Stone Mortar	Misc.	F	15		NAD		G
/110061652-42	42	Floor g - Exterior - Door Caulk	Misc.	NF	16		5% Chrysotile		G

Misc. - Miscellaneous

Surf. - Surfacing

TSI - Thermal System Insulation

NF - Non-Friable

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ASBESTOS REPORT FORM

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TOTAL SAMPLE COUNT: 52
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.
/110061652-43	43	Floor G - Exterior - Door Caulk	Misc.	NF	16		NA/PS		G
/110061652-44	44	Floor 1 - Exterior - Old window caulk underneath new caulking	Misc.	NF	17		5% Chrysotile		D
/110061652-45	45	Floor 1 - Exterior - Old window caulk underneath new caulking	Misc.	NF	17		NA/PS		D
/110061652-46	46	Floor SB - Sub Basement (service 8) - Mechanical Room - White block tank insulation	TSI	F	18		NAD		SD
/110061652-47	47	Floor SB - Sub Basement (service 8) - Mechanical Room - White block tank insulation	TSI	F	18		NAD		SD
/110061652-48	48	Floor SB - Sub Basement (service 8) - Mechanical Room - White block tank insulation	TSI	F	18		NAD		SD

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NF - Non-Friable
F - Friable

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NA/PS - Not Analyzed, Positive Stop
NAD - No Asbestos Detected
Trace/NAD - Non-Asbestos by Definition
SD - Significantly Damaged
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ASBESTOS REPORT FORM

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 10
1970 Roanoke Blvd
Salem, Virginia 24153

DATE RECIEVED: 6/7/2010
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DATE REPORTED:
TOTAL SAMPLE COUNT: 52
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.
/110061652-49	49	Floor CS - Crawlspace - suspect debris on poly covering the dirt floor	Misc.	F	19		20% Chrysotile		SD
/110061652-50	50	Floor CS - Crawlspace - suspect debris on poly covering the dirt floor	Misc.	F	19		NA/PS		SD
/110061652-51	51	Floor CS - Crawlspace - suspect debris on dirt floor	Misc.	F	20		32% Chrysotile		SD
/110061652-52	52	Floor CS - Crawlspace - suspect debris on dirt floor	Misc.	F	20		NA/PS		SD

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Surf. - Surfacing
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NA/PS - Not Analyzed, Positive Stop
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D - Damaged
G - Good
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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 #** 110061652
Date Examined 06/23/10 **P.O. #**
Page 1 of 10
RE: VAMC:10079.00-IN; Salem VA Medical Center; Building 10;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
1 1	110061652-01 Location: Room 201C - Mudded Pipe Fitting Insulation For Fiberglass Pipe Insulation Lines	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Gray, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 30 %, Non-fibrous 70 %			
2 1	110061652-02 Location: Room 2 - Mudded Pipe Fitting Insulation For Fiberglass Pipe Insulation Lines	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Gray, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 30 %, Non-fibrous 70 %			
3 1	110061652-03 Location: Sub Basement Mechanical Room - Mudded Pipe Fitting Insulation For Fiberglass Pipe Insulation Lines	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Gray, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 30 %, Non-fibrous 70 %			
4 2	110061652-04 Location: Closet 201B - Floor Tile Mastic For Newer 12"x12" White w/Gray/Blue Floor Tiles (Black Mastic)	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
5 2	110061652-05 Location: Corridor Outside of Room 211 - Floor Tile Mastic For Newer 12"x12" White w/Gray/Blue Floor Tiles (Black Mastic)	Yes	Trace (<1 %) (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile <1. % Other Material: Non-fibrous 100 %			

See Reporting notes on last page

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos ReportVAMC:10079.00-IN; Salem VA Medical Center; Building 10;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
6 3	110061652-06 Location: Corridor Outside Room 107 - Floor Tile Mastic For Newer 12"x12" White w/Gray/Blue Floor Tiles (Yellow Mastic w/Some Black Residual)	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Yellow/Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
7 3	110061652-07 Location: Corridor Outside Room 125 - Floor Tile Mastic For Newer 12"x12" White w/Gray/Blue Floor Tiles (Yellow Mastic)	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Amber, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
8 4	110061652-08 Location: Exterior Porch Room 111A - Vertical Caulk Where Wooden Pillars And Brick Meet	Yes	2 % (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 2.0 % Other Material: Non-fibrous 98 %			
9 4	110061652-09 Location: Exterior Porch Room 125D - Vertical Caulk Where Wooden Pillars And Brick Meet		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
10 5	110061652-10 Location: Room 2 - Drywall	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Off White/Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 5 %, Fibrous glass 2 %, Non-fibrous 93 %			
11 6	110061652-11 Location: Room 2 - Joint Compound	No	NAD (by CVES) by Gordon T. Saleeby 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 10;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
12 5	110061652-12 Location: Kitchen Room 7 - Drywall	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Off White/Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 7 %, Non-fibrous 93 %			
13 6	110061652-13 Location: Kitchen Room 7 - Joint Compound	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
14 7	110061652-14 Location: Kitchen Room 7 - Sink Basin Under Coating (White)	Yes	7 % (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Off White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 7.0 % Other Material: Non-fibrous 93 %			
15 7	110061652-15 Location: Kitchen Room 7 - Sink Basin Under Coating (White)		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
16 8	110061652-16 Location: Kitchen Room 7 - Floor Tile Mastic (Black)	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
17 8	110061652-17 Location: Kitchen Room 7 - Floor Tile Mastic (Black)	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Black, 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 10;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
18 9	110061652-18 Location: Room 9d - Under The Carpet - 12"x12" Cream w/Brown and Red Floor Tile (Thinner Type Tiles)	Yes	2 % (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Cream, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 2.0 % Other Material: Non-fibrous 98 %			
19 9	110061652-19 Location: Room 9c - Under The Carpet - 12"x12" Cream w/Brown and Red Floor Tile (Thinner Type Tiles)		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
20 10	110061652-20 Location: Room 9d - Under The Carpet - Floor Tile Mastic For HA #9	Yes	10 % (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 10.0 % Other Material: Non-fibrous 90 %			
21 10	110061652-21 Location: Room 9c - Under The Carpet - Floor Tile Mastic For HA #9		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
22 11	110061652-22 Location: Sub Basement Stairwell (Service 8) - Pink Firestop (Soft)	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Pink, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Wollastonite 5 %, Non-fibrous 95 %			
23 11	110061652-23 Location: Sub Basement Stairwell (Service 8) - Pink Firestop (Soft)	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Pink, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Wollastonite 5 %, Non-fibrous 95 %			

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos Report

VAMC:10079.00-IN; Salem VA Medical Center; Building 10;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
24 12	110061652-24 Location: Stairwell 223 - Ceiling Plaster - Top Coat (White)	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
25 12	110061652-25 Location: Stairwell 223 - Ceiling Plaster - Top Coat (White)	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
26 12	110061652-26 Location: Stairwell 223 - Ceiling Plaster - Top Coat (White)	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
27 12	110061652-27 Location: Corridor 130A - Ceiling Plaster - Top Coat (White)	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
28 12	110061652-28 Location: Corridor 130A - Ceiling Plaster - Top Coat (White)	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
29 12	110061652-29 Location: Room 11 - Ceiling Plaster - Top Coat (White)	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			

See Reporting notes on last page

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos ReportVAMC:10079.00-IN; Salem VA Medical Center; Building 10;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
30 12	110061652-30 Location: Room 11 - Ceiling Plaster - Top Coat (White)	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
31 13	110061652-31 Location: Stairwell 223 - Ceiling Plaster - Base Coat (Beige)	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Beige, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100 %			
32 13	110061652-32 Location: Stairwell 223 - Ceiling Plaster - Base Coat (Beige)	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Beige, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100 %			
33 13	110061652-33 Location: Stairwell 223 - Ceiling Plaster - Base Coat (Beige)	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Beige, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100 %			
34 13	110061652-34 Location: Corridor 130A - Ceiling Plaster - Base Coat (Beige)	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Beige, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100 %			
35 13	110061652-35 Location: Corridor 130A - Ceiling Plaster - Base Coat (Beige)	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Beige, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

VAMC:10079.00-IN; Salem VA Medical Center; Building 10;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
36 13	110061652-36 Location: Room 11 - Ceiling Plaster - Base Coat (Beige)	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Beige, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100 %			
37 13	110061652-37 Location: Room 11 - Ceiling Plaster - Base Coat (Beige)	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100 %			
38 14	110061652-38 Location: Exterior - Brick Mortar	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Tan, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
39 14	110061652-39 Location: Exterior - Brick Mortar	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Tan, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
40 15	110061652-40 Location: Exterior - Stone Mortar	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Tan, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
41 15	110061652-41 Location: Exterior - Stone Mortar	No	NAD (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Tan, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			

PLM Bulk Asbestos Report

VAMC:10079.00-IN; Salem VA Medical Center; Building 10;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
42 16	110061652-42 Location: Exterior - Door Caulk	Yes	5 % (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Lt. Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 5.0 % Other Material: Non-fibrous 95 %			
43 16	110061652-43 Location: Exterior - Door Caulk		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
44 17	110061652-44 Location: Exterior - Old Window Caulk Underneath New Caulking	Yes	5 % (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 5.0 % Other Material: Non-fibrous 95 %			
45 17	110061652-45 Location: Exterior - Old Window Caulk Underneath New Caulking		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
46 18	110061652-46 Location: Sub Basement (Service 8) - Mechanical Room - White Block Tank Insulation	No	NAD ¹ (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 10 %, Fibrous glass 25 %, Non-fibrous 65 %			
47 18	110061652-47 Location: Sub Basement (Service 8) - Mechanical Room - White Block Tank Insulation	No	NAD ¹ (by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 10 %, Fibrous glass 25 %, Non-fibrous 65 %			

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos ReportVAMC:10079.00-IN; Salem VA Medical Center; Building 10;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
48	110061652-48	No	NAD
18	Location: Sub Basement (Service 8) - Mechanical Room - White Block Tank Insulation		(by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 10 %, Fibrous glass 25 %, Non-fibrous 65 %			
49	110061652-49	Yes	20 %
19	Location: Crawlspace - Suspect Debris On Poly Covering The Dirt Floor		(by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Lt. Gray, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Amosite 20.0 %			
Other Material: Non-fibrous 80 %			
50	110061652-50		NA/PS
19	Location: Crawlspace - Suspect Debris On Poly Covering The Dirt Floor		
Analyst Description: Bulk Material			
Asbestos Types:			
Other Material:			
51	110061652-51	Yes	32 %
20	Location: Crawlspace - Suspect Debris On Dirt Floor		(by CVES) by Gordon T. Saleeby on 06/23/10
Analyst Description: Off White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 30.0 %, Amosite 2.0 %			
Other Material: Non-fibrous 68 %			
52	110061652-52		NA/PS
20	Location: Crawlspace - Suspect Debris On Dirt Floor		
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 10;
1970 Roanoke Blvd, Salem, Virginia 24153

Reporting Notes:

(1) Physically inseparable layers in sample - sample composited for analysis

Analyzed by: Gordon T. Saleeby

Date

June 24, 2010

*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.

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

110061652

Chain of Custody

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 10

1970 Roanoke Ave

Salem, Virginia 24153

DATE RECEIVED: 6/7/2010

DATE COMPLETED: 6/15/2010

DATE REPORTED:

TOTAL SAMPLE COUNT: 52

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	Room 201C - Mudded pipe fitting insulation for fiberglass pipe insulation lines		F	G
2	B	1	Room 2 - Mudded pipe fitting insulation for fiberglass pipe insulation lines		F	G
3	SB	1	Sub Basement Mechanical room - Mudded pipe fitting insulation for fiberglass pipe insulation lines		F	G
4	2	2	Closet 201B - Floor tile mastic for newer 12"x12" white w/ gray/blue floor tiles (black mastic)		NF	G

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

Page 1 of 7

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

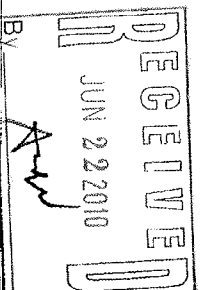
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5	2	2	Corridor outside of Room 211 - Floor tile mastic for newer 12"x12" white w/ gray/blue floor tiles (black mastic)		NF	G
6	1	3	Corridor outside Room 107 - Floor tile mastic for newer 12"x12" white w/ gray/blue floor tiles (yellow mastic w/some black residual)		NF	G
7	1	3	Corridor outside Room 125 - Floor tile mastic for newer 12"x12" white w/ gray/blue floor tiles (yellow mastic)		NF	G
8	1	4	Exterior Porch Room 111A - Vertical caulk where wooden pillars and brick meet		NF	G
9	1	4	Exterior Porch Room 125D - Vertical caulk where wooden pillars and brick meet		NF	G
10	B	5	Room 2 - Drywall		F	G

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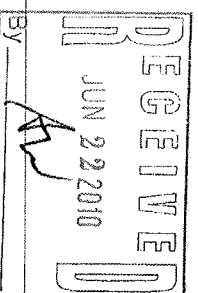
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Sample ID#	Floor Level	Homogenous Area	Sample Location/Description	Quantity (in feet)	Friable NonFriable	Condition SD, D, G, UK:
11	B	6	Room 2 - Joint Compound		F	G
12	B	5	Kitchen Room 7 - Drywall		F	G
13	B	6	Kitchen Room 7 - Joint Compound		F	G
14	B	7	Kitchen Room 7 - Sink basin under coating (white)		F	G
15	B	7	Kitchen Room 7 - Sink basin under coating (white)		F	G
16	B	8	Kitchen Room 7 - Floor tile mastic (black)		NF	G
17	B	8	Kitchen Room 7 - Floor tile mastic (black)		NF	G
18	B	9	Room 9d - Under the Carpet - 12"x12" cream w/ brown and red floor tile (thinner type tiles)		NF	G
19	B	9	Room 9c - Under the Carpet - 12"x12" cream w/ brown and red floor tile (thinner type tiles)		NF	G

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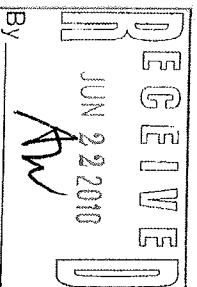
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Sample ID#	Floor Level	Homogenous Area	Sample Location/Description	Quantity (in feet)	Friable NonFriable	Condition SD, D, G, UK:
20	B	10	Room 9d - Under the Carpet - floor tile mastic for HA # 9		NF	G
21	B	10	Room 9c - Under the Carpet - floor tile mastic for HA # 9		NF	G
22	SB	11	Sub Basement Stairwell (Service 8) - Pink Firestop (soft)		F	D
23	SB	11	Sub Basement Stairwell (Service 8) - Pink Firestop (soft)		F	D
24	2	12	Stairwell 223 - Ceiling Plaster - Top Coat (white)		F	D
25	2	12	Stairwell 223 - Ceiling Plaster - Top Coat (white)		F	D
26	2	12	Stairwell 223 - Ceiling Plaster - Top Coat (white)		F	D
27	1	12	Corridor 130A - Ceiling Plaster - Top Coat (white)		F	D
28	1	12	Corridor 130A - Ceiling Plaster - Top Coat (white)		F	D
29	B	12	Room 11 - Ceiling Plaster - Top Coat (white)		F	SD

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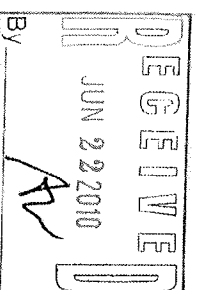
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30	B	12	Room 11 - Ceiling Plaster - Top Coat (white)	F		SD
31	2	13	Stairwell 223 - Ceiling Plaster - Base Coat (beige)	F		D
32	2	13	Stairwell 223 - Ceiling Plaster - Base Coat (beige)	F		D
33	2	13	Stairwell 223 - Ceiling Plaster - Base Coat (beige)	F		D
34	1	13	Corridor 130A - Ceiling Plaster - Base Coat (beige)	F		D
35	1	13	Corridor 130A - Ceiling Plaster - Base Coat (beige)	F		D
36	B	13	Room 11 - Ceiling Plaster - Base Coat (beige)	F		SD
37	B	13	Room 11 - Ceiling Plaster - Base Coat (beige)	F		SD
38	G	14	Exterior - Brick Mortar	F		G
39	G	14	Exterior - Brick Mortar	F		G

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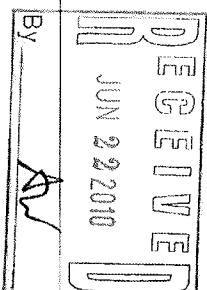
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40	G	15	Exterior - Stone Mortar		F	G
41	G	15	Exterior - Stone Mortar		F	G
42	8	16	Exterior - Door Caulk		NF	G
43	G	16	Exterior - Door Caulk		NF	G
44	1	17	Exterior - Old window caulk underneath new caulking		NF	D
45	1	17	Exterior - Old window caulk underneath new caulking		NF	D
46	SB	18	Sub Basement (service 8) - Mechanical Room - White block tank insulation		F	SD
47	SB	18	Sub Basement (service 8) - Mechanical Room - White block tank insulation		F	SD

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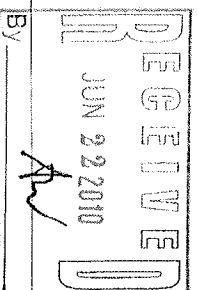
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48	SB	18	Sub Basement (service 8) - Mechanical Room - White block tank insulation		F	SD
49	CS	19	Crawlspace - suspect debris on poly covering the dirt floor		F	SD
50	CS	19	Crawlspace - suspect debris on poly covering the dirt floor		F	SD
51	CS	20	Crawlspace - suspect debris on dirt floor		F	SD
52	CS	20	Crawlspace - suspect debris on dirt floor		F	SD

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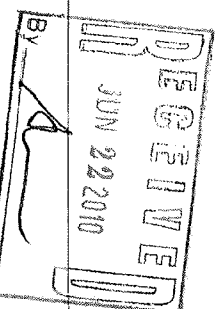
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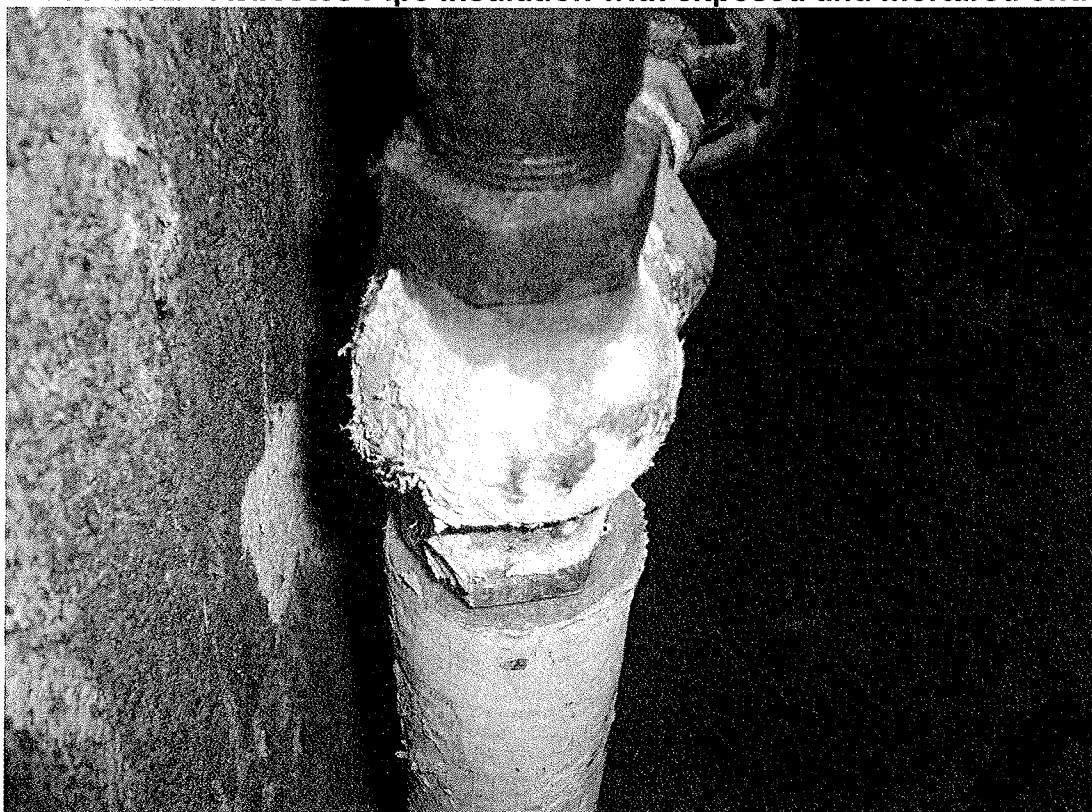
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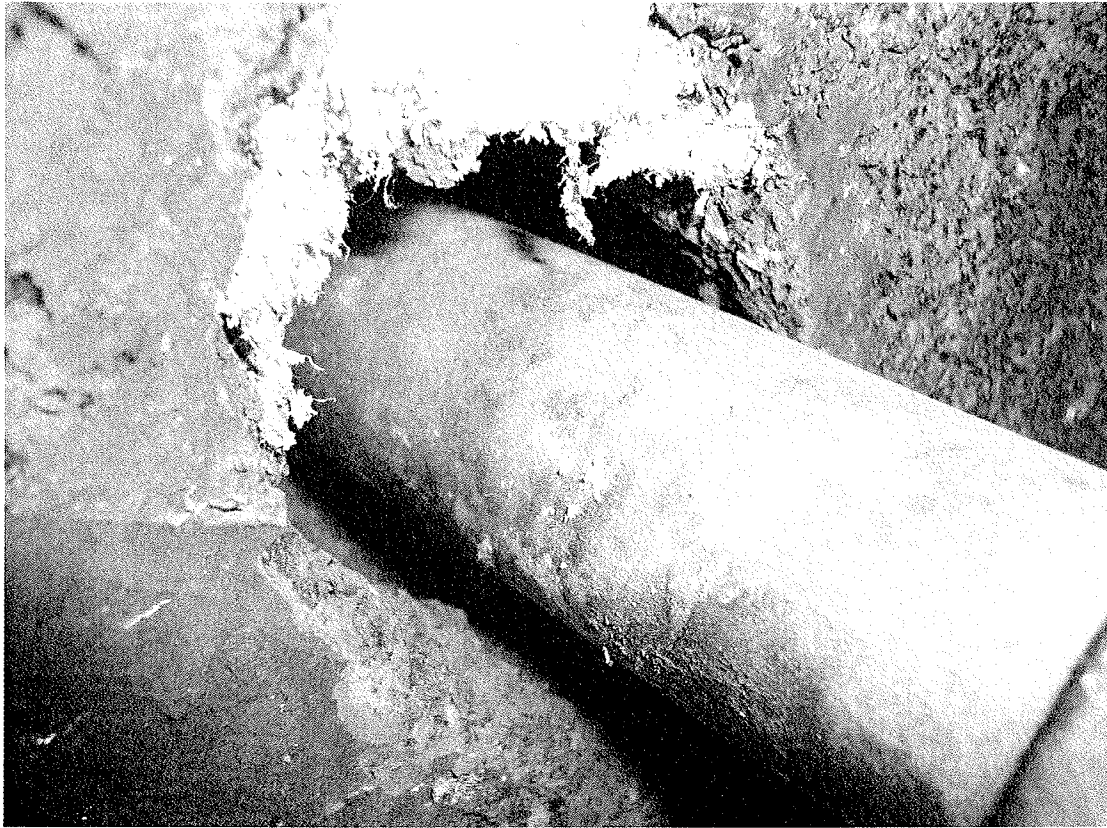
APPENDIX D
SAMPLE LOCATION MAP
AND PHOTOS



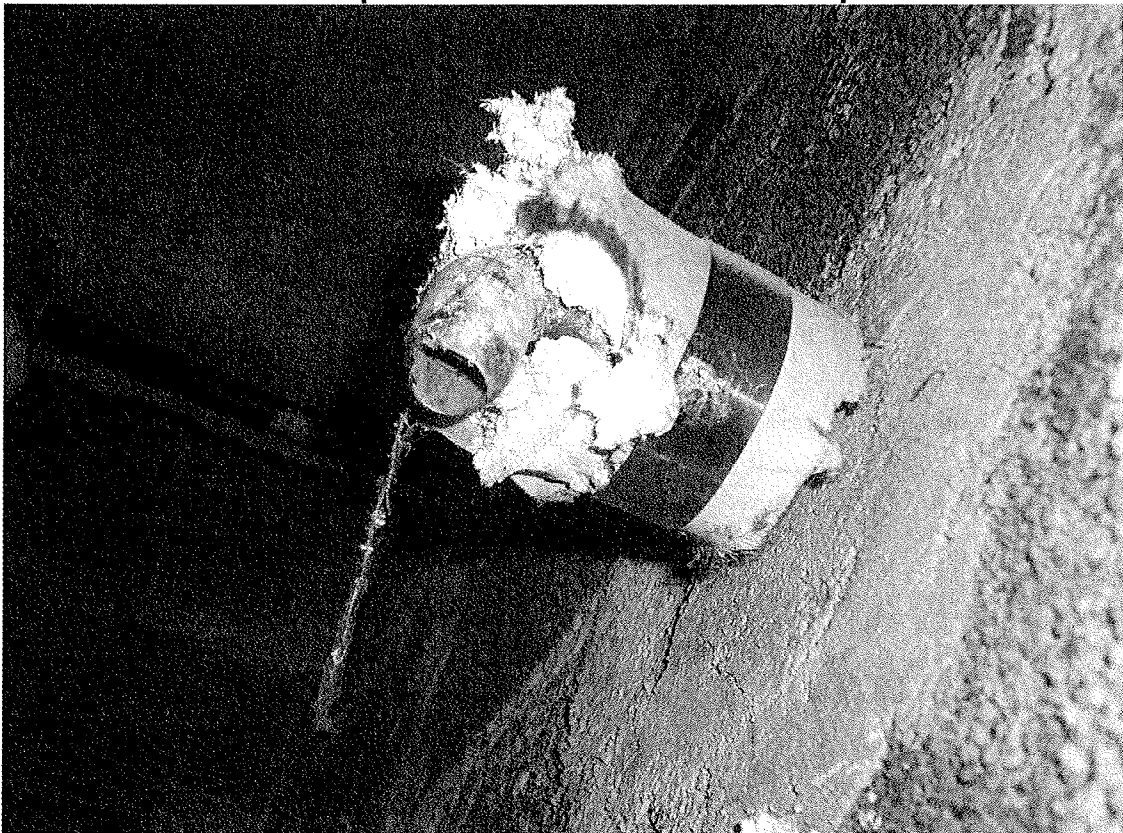
Chase 125E - Asbestos Pipe Insulation with exposed and mortared ends



Chase 209A – Asbestos pipe insulation residue on valves from poor abatement



Chase 216A – Pipe insulation debris left in wall penetration



Chase 225A – Significantly damaged piece of asbestos pipe insulation (rest of chase has been abated)



Room 122 – Pipe insulation residue/debris on concrete ceiling and electrical lines



Room 123 – Piece of asbestos pipe insulation missed during abatement



Room 123 – Asbestos Pipe Insulation residue/debris on abated pipe



Exterior Door Caulk



Old window caulking underneath new caulking



Asbestos pipe insulation debris in dirt of crawlspace – 20% Amosite



Crawlspace view with Asbestos pipe insulation and contaminated dirt floor



Crawlspace – asbestos pipe insulation debris on poly covering parts of the dirt floor – 35% asbestos



Crawlspace – asbestos pipe insulation contaminating the space

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 Soler

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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COMMONWEALTH OF VIRGINIA

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VIRGINIA ASBESTOS LICENSE

ASBESTOS ANALYTICAL LABORATORY

NUMBER: 3333 000266 EXPIRES: 03-31-2011

PCM PLM TEM

AMERICA SCIENCE TEAM RICHMOND, INC
13635 GENITO ROAD

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9960 Mayland Dr., Suite 400, Richmond, VA 23233

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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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GARDINER NY 12525



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Telephone: (804) 367-8500

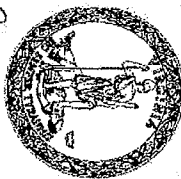
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INSPECTOR LICENSE

ROBERT A SEE
15 BOYCE ST

BEACON, NY 12508



Gordon N. Dixon
Gordon N. Dixon, Director

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