



Adelaide Environmental Health Associates, Inc.

**COMPREHENSIVE SURVEY FOR ASBESTOS CONTAINING
MATERIALS**

PERFORMED AT:

**Building 75
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:

June 28, 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	5
3.1	Inspection	5
3.2	Sampling	5
3.3	Analysis	6
4.0	Conclusions and Recommendations	7
5.0	Areas not Accessible	7
6.0	Report Certifications	7

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 John Soter (certified asbestos inspector).

2.0 EXECUTIVE SUMMARY OF INSPECTION RESULTS

Building 75 is located on the VAMC campus located at 1970 Roanoke Blvd, Salem, Virginia 24153. It is a two story structure with a basement and attic, constructed of brick and built circa 1944. Following the scope of work that was provided from the VAMC, Adelaide inspected all accessible areas of Building 75. 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-two (22) 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 a tabular room by room listing which assesses the condition of each PACM as found at the time of this survey. Also Noted at time of inspection in the basement level TSI debris found on top of drop ceiling located in hallways 17 and 18. On the first floor level in hallways 151, 152 and 153 and in associated room's in this area undergoing renovations only negatively tested spray on fire proofing observed in these areas. On the second floor level in hallways 254, 255 and 256 and in associated room's in this area undergoing renovations only negatively tested spray on fire proofing observed in these areas.

Table 2.0 - Summary of Asbestos Containing Materials

Material	Approximate Quantity	Locations Of Material	Asbestos Content and Type
Basement Floor Samples			
9x9 Floor Tile Beige with Black Streaks	310 SF	Room 8	6% Chrysotile
12x12 White w/ Short Gray Streaks	686 SF	Room 12	4%-6% Chrysotile
TSI Beige, Gray and White 4" Elbows As Debris on top of ceiling tiles	1232 SF	Hallways 17 & 19	40% Chrysotile
TSI 6" Mudded Joint	5 Fittings	Rooms 2, 4, 4A	35% Chrysotile
TSI 1" TSI Beige & Gray Pipe Insulation	82 LF	Room 5	25% Chrysotile
TSI 1" TSI Beige & White Elbow	8 Fittings	Room 5	40% Chrysotile
TSI Beige, Brown and Gray 4" Pipe Insulation	188 LF	Rooms 7, 8, 8A, 10,13, 13C and 15	30% Chrysotile
TSI Beige, Gray and White 4" Elbows	45 Fittings	Rooms 7, 8, 8A, 10,13, 13C and 15	40% Chrysotile

First Floor Samples			
9x9 Floor Tile Red with streaks	13 SF	Room 102B	6% Chrysotile
Second Floor Samples			
Residual TSI Black and Gray 2" Elbows	3 Fittings	248A	25% Chrysotile
Attic Level Samples			
TSI Beige and White 1" Elbows	69 Fittings	Attic Level	40% Chrysotile

*Quantity observed

Based on our field observations, asbestos containing pipe insulation may be present within walls, above plaster ceilings and inside enclosed pipe chases.

Positive Homogenous Material List

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

- #3 – 9x9 Floor Tile Beige with Black Streaks
- #23 – TSI Beige and Gray 1" Pipe Insulation
- #24 – TSI Beige and White 1" Elbows
- #25 – TSI Black and Gray 2" Elbows
- #26 – TSI Beige, Brown and Gray 4" Pipe Insulation
- #27 – TSI Beige, Gray and White 4" Elbows
- #28 – TSI Black and Gray 6" Mudded Pipe Joints
- #29 – TSI Gray, White and Beige 16" Pipe Insulation
- #30 – 12x12 White w/ Short Gray Streaks (known positive due to manufacturing packaging as Vinyl Asbestos Tile) (See photo in Appendix D)
- 31 – 9x9 Floor Tile Red with streaks

Negative Material List

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

- Plaster Wall
- Plaster Ceiling
- Black Mastic Under Floor Tile 9x9 Beige with Black Streaks & 9x9 Red with streaks
- 12x12 Floor Tile White w/ Gray Specks
- Gold Mastic Under 12x12 Floor Tile White w/ Gray Specks
- Spray On Fire Proofing on Concrete Deck
- Yellow, Clear, Beige and White CHW pipe 4"TSI
- Gray & White CHW pipe Joint
- Beige CHW pipe joint jacket
- Boiler 1&2 TSI insulation
- Boiler Reserve Tank TSI insulation
- Beige & White 2'x2' Ceiling Tiles
- Beige & White 2'x4' Ceiling Tiles
- Dry Back Floor Tile Adhesives
- Brick Mortar

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
Hallway 17	27	TSI Beige, Gray and White 4" Elbows As Debris on top of ceiling tiles	356 SF	Severly Damaged/Remove/High Priority
Hallway 18	27	TSI Beige, Gray and White 4" Elbows As Debris on top of ceiling tiles	886 SF	Severly Damaged/Remove/High Priority
2	28	TSI 6" Mudded Joint	2 Elbows	Good/Defer Action/None Required
4	28	TSI 6" Mudded Joint	2 Elbows	Good/Defer Action/None Required
4A	28	TSI 6" Mudded Joint	1 Elbow	Good/Defer Action/None Required
5	23	TSI 1" TSI Beige & Gray Pipe Insulation	82 LF	Good/Defer Action/None Required
	24	TSI 1" TSI Beige & White Elbow	8 Elbows	Good/Defer Action/None Required
7	25	TSI TSI Black and Gray 2" Elbows	5 Fittings	Good/Defer Action/None Required
	26	TSI Beige, Brown and Gray 4" Pipe Insulation	40 LF	Good/Defer Action/None Required
	27	TSI Beige, Gray and White 4" Elbows	9 Fittings	Good/Defer Action/None Required
8	26	TSI Beige, Brown and Gray 4" Pipe Insulation	20 LF	Good/Defer Action/None Required
	3	9x9 Floor Tile Beige with Black Streaks	310 SF	Good/Defer Action/None Required
8A	26	TSI Beige, Brown and Gray 4" Pipe Insulation	55 LF	Good/Defer Action/None Required
	27	TSI Beige, Gray and White 4" Elbows	9 Fittings	Good/Defer Action/None Required

APPENDIX A - TABULAR LIST OF POSITIVE MATERIALS BY ROOM

Space #	Homogenous Area	Material Description	Quantity	Condition Response Action
10	26	TSI Beige, Brown and Gray 4" Pipe Insulation	30 LF	Good/Defer Action/None Required
	27	TSI Beige, Gray and White 4" Elbows	8 Fittings	Good/Defer Action/None Required
12	30	12x12 White w/ Short Gray Streaks	686 SF	Good/Defer Action/None Required
13	26	TSI Beige, Brown and Gray 4" Pipe Insulation	100 LF	Good/Defer Action/None Required
	27	TSI Beige, Gray and White 4" Elbows	7 Fittings	Good/Defer Action/None Required
13C	26	TSI Beige, Brown and Gray 4" Pipe Insulation	40 LF	Good/Defer Action/None Required
	27	TSI Beige, Gray and White 4" Elbows	10 Fittings	Good/Defer Action/None Required
15	26	TSI Beige, Brown and Gray 4" Pipe Insulation	3 LF	Good/Defer Action/None Required
	27	TSI Beige, Gray and White 4" Elbows	1 Fitting	Good/Defer Action/None Required
102B	31	9x9 Floor Tile Red with streaks	13 SF	Good/Defer Action/None Required
248A	25	Residual TSI Black and Gray 2" Elbows	3 Elbows	Severly Damaged/Remove/High Priority
Attic	24	TSI Beige and White 1" Elbows	69 Fittings	Good/Defer Action/None Required

APPENDIX B

ASBESTOS REPORT FORM



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

ASBESTOS REPORT FORM

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 75
1970 Roanoke Blvd
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010
DATE COMPLETED: 6/18/2010
DATE REPORTED: 6/23/2010
TOTAL SAMPLE COUNT: 22
SAMPLE COLLECTOR(S): John Soter

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.
/110061671-01	1	Floor B - Room 8 - Plaster wall Top Coat White	Surf.	F	1		NAD		G
/110061671-02	2	Floor B - Room 8 - Plaster Wall Base Coat Beige	Surf.	F	2		NAD		G
/110061671-03	3	Floor B - Room 8 - 9x9 Floor Tile Beige W/ Black Streaks	Misc.	NF	3		6% Chrysotile		G
/110061671-04	4	Floor B - Room 8 - 9x9 Floor Tile Beige W/ Black Streaks	Misc.	NF	3		NA/PS		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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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.
/110061671-05	5	Floor B - Room 8 - Mastic Layer Black Under 9x9 Floor Tile Beige W/ Black Streaks	Misc.	NF	4		NAD		G
/110061671-06	6	Floor B - Room 8 - Mastic Layer Black Under 9x9 Floor Tile Beige W/ Black Streaks	Misc.	NF	4		NAD		G
/110061671-07	7	Floor B - Room 9A - Ceiling Plaster Top Coat White	Surf.	F	5		NAD		G
/110061671-08	8	Floor B - Room 9A - Ceiling Plaster Base Coat Beige	Surf.	F	6		NAD		G
/110061671-09	9	Floor B - Room 15 - 12x12 Floor Tile White W/ Gray Specks	Misc.	NF	7		NAD		G
/110061671-10	10	Floor B - Room 15 - 12x12 Floor Tile White W/ Gray Specks	Misc.	NF	7		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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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.
/110061671-11	11	Floor B - Room 15 - Mastic Layer Gold 12x12 Floor Tile White W/ Gray Specks	Misc.	NF	8		NAD		G
/110061671-12	12	Floor B - Room 15 - Mastic Layer Gold 12x12 Floor Tile White W/ Gray Specks	Misc.	NF	8		NAD		G
/110061671-13	13	Floor 1 - Hallway 153 - Spray on Fire Proofing Light Brown On Concrete Deck	TSI	F	9		NAD		G
/110061671-14	14	Floor 1 - Hallway 153 - Spray on Fire Proofing Light Brown On Concrete Deck	TSI	F	9		NAD		G
/110061671-15	15	Floor 1 - Hallway 153 - Spray on Fire Proofing Light Brown On Concrete Deck	TSI	F	9		NAD		G

Misc. - Miscellaneous
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SERVICES PROVIDED Asbestos Bulk Sampling

PESHOGS NO. / LAB ID NO.	ID	Sample Location, Coordinates Description and Other Comments	Material Type	Friable/ NonFriable	Homogenous ID	TEM %	PLM %	Quantity	Assess Cat.
/110061671-16	16	Floor 1 - Hallway 153 - Spray on Fire Proofing Light Brown On Concrete Deck	TSI	F	9		NAD		G
/110061671-17	17	Floor 1 - Hallway 153 - Spray on Fire Proofing Light Brown On Concrete Deck	TSI	F	9		NAD		G
/110061671-18	18	Floor B - Room 9 - Plaster Wall Top Coat White	Surf.	F	1		NAD		G
/110061671-19	19	Floor B - Room 9 - Plaster Wall Base Coat Beige	Surf.	F	2		NAD		G
/110061671-20	20	Floor B - Room 9 - Plaster Ceiling Top Coat White	Surf.	F	10		NAD		G
/110061671-21	21	Floor B - Room 9 - Plaster Ceiling Base Coat Beige	Surf.	F	11		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
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SAMPLE COLLECTOR(S): John Soter

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.
/110061671-22	22	Floor Ext - Brick Mortar Beige	Misc.	F	12		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

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 #** 110061671
Date Examined 06/23/10 **P.O. #**
Page 1 **of** 5
RE: VAMC:10079.00-IN; Salem VA Medical Center; Building 75;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
1	110061671-01	No	NAD
1	Location: Room 8 - Plaster Wall Top Coat White		(by CVES) by William M. Dunstan on 06/23/10
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
2	110061671-02	No	NAD
2	Location: Room 8 - Plaster Wall Base Coat Beige		(by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100 %			
3	110061671-03	Yes	6 %
3	Location: Room 8 - 9x9 Floor Tile Beige w/Black Streaks		(by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 6.0 %			
Other Material: Non-fibrous 94 %			
4	110061671-04		NA/PS
3	Location: Room 8 - 9x9 Floor Tile Beige w/Black Streaks		
Analyst Description: Bulk Material			
Asbestos Types:			
Other Material:			
5	110061671-05	No	NAD
4	Location: Room 8 - Mastic Layer Black Under 9x9 Floor Tile Beige w/Black Streaks		(by CVES) by William M. Dunstan 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 75;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
6 4	110061671-06 Location: Room 8 - Mastic Layer Black Under 9x9 Floor Tile Beige w/Black Streaks	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
7 5	110061671-07 Location: Room 9A - Ceiling Plaster Top Coat White	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
8 6	110061671-08 Location: Room 9A - Ceiling Plaster Base Coat Beige	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Animal hair Trace, Non-fibrous 100 %			
9 7	110061671-09 Location: Room 15 - 12x12 Floor Tile White w/Gray Specks	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: White/Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
10 7	110061671-10 Location: Room 15 - 12x12 Floor Tile White w/Gray Specks	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: White/Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
11 8	110061671-11 Location: Room 15 - Mastic Layer Gold 12x12 Floor Tile White w/Gray Specks	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Gold, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos Report

VAMC:10079.00-IN; Salem VA Medical Center; Building 75;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
12 8	110061671-12 Location: Room 15 - Mastic Layer Gold 12x12 Floor Tile White w/Gray Specks	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Gold, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
13 9	110061671-13 Location: Hallway 153 - Spray On Fire Proofing Light Brown On Concrete Deck	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Lt. Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 10 %, Fibrous glass 5 %, Non-fibrous 85 %			
14 9	110061671-14 Location: Hallway 153 - Spray On Fire Proofing Light Brown On Concrete Deck	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Lt. Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 10 %, Fibrous glass 5 %, Non-fibrous 85 %			
15 9	110061671-15 Location: Hallway 153 - Spray On Fire Proofing Light Brown On Concrete Deck	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Lt. Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 10 %, Fibrous glass 5 %, Non-fibrous 85 %			
16 9	110061671-16 Location: Hallway 153 - Spray On Fire Proofing Light Brown On Concrete Deck	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Lt. Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 10 %, Fibrous glass 5 %, Non-fibrous 85 %			
17 9	110061671-17 Location: Hallway 153 - Spray On Fire Proofing Light Brown On Concrete Deck	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Lt. Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 10 %, Fibrous glass 5 %, Non-fibrous 85 %			

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos Report

VAMC:10079.00-IN; Salem VA Medical Center; Building 75;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
18 1	110061671-18 Location: Room 9 - Plaster Wall Top Coat White	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
19 2	110061671-19 Location: Room 9 - Plaster Wall Base Coat Beige	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
20	110061671-20 Location: Room 9 - Plaster Ceiling Top Coat White	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
21	110061671-21 Location: Room 9 - Plaster Ceiling Base Coat Beige	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
22	110061671-22 Location: Brick Mortar Beige	No	NAD (by CVES) by William M. Dunstan on 06/23/10
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos Report

VAMC:10079.00-IN; Salem VA Medical Center; Building 75;
1970 Roanoke Blvd, Salem, Virginia 24153


Reporting Notes:

Analyzed by: William M. Dunstan

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.

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

110061671

Chain of Custody

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VAMC Bldg 75

1970 Ronaake Blvd
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010
DATE COMPLETED: 6/18/2010
DATE REPORTED:
TOTAL SAMPLE COUNT: 22
SAMPLE COLLECTOR(S): John Soter

Sample ID#	Floor Level	Homogenous Area	Sample Location/Description	Quantity (in feet)	Friable NonFriable	Condition SD, D, G, UK:
1	B	1	Room 8 - Plaster wall Top Coat White		F	G
2	B	2	Room 8 - Plaster Wall Base Coat Beige		F	G
3	B	3	Room 8 - 9x9 Floor Tile Beige W/ Black Streaks		NF	G
4	B	3	Room 8 - 9x9 Floor Tile Beige W/ Black Streaks		NF	G
5	B	4	Room 8 - Mastic Layer Black Under 9x9 Floor Tile Beige W/ Black Streaks		NF	G
6	B	4	Room 8 - Mastic Layer Black Under 9x9 Floor Tile Beige W/ Black Streaks		NF	G

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

Page 1 of 3

Special Instructions/ Turnaround Time:

Test by PLM

Stop at 1st Positive per Homogenous Area

Fax Results to 845-278-7750

E-Mail Results to AdelaideLabResults@adelaidelc.com

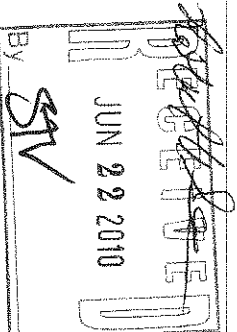
72 hr TAT

Relinquished by:

Received by:

Relinquished by:

Received by:



Chain of Custody

110061691

PROJECT NUMBER: VAMC:10079.00-IN
PROJECT LOCATION: Salem VAMC Bldg 75
1970 Ronaoke Blvd
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010
DATE COMPLETED: 6/18/2010
DATE REPORTED:
TOTAL SAMPLE COUNT: 22
SAMPLE COLLECTOR(S): John Soter

Sample ID#	Floor Level	Homogenous Area	Sample Location/Description	Quantity (in feet)	Friable NonFriable	Condition SD, D, G, UK:
7	B	5	Room 9A - Ceiling Plaster Top Coat White		F	G
8	B	6	Room 9A - Ceiling Plaster Base Coat Beige		F	G
9	B	7	Room 15 - 12x12 Floor Tile White W/ Gray Specks		NF	G
10	B	7	Room 15 - 12x12 Floor Tile White W/ Gray Specks		NF	G
11	B	8	Room 15 - Mastic Layer Gold 12x12 Floor Tile White W/ Gray Specks		NF	G
12	B	8	Room 15 - Mastic Layer Gold 12x12 Floor Tile White W/ Gray Specks		NF	G
13	1	9	Hallway 153 - Spray on Fire Proofing Light Brown On Concrete Deck		F	G
14	1	9	Hallway 153 - Spray on Fire Proofing Light Brown On Concrete Deck		F	G

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

Special Instructions/ Turnaround Time:

Test by PLM

Stop at 1st Positive per Homogenous Area

Fax Results to 845-278-7750

E-Mail Results to AdelaidelabResults@adelaidellc.com

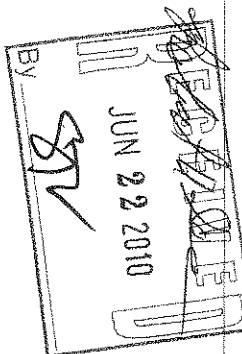
72 hr TAT

Relinquished by:

Received by:

Relinquished by:

Received by:



Chain of Custody

110061671

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VAMC Bldg 75

1970 Ronaoka Blvd
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010
DATE COMPLETED: 6/18/2010
DATE REPORTED:
TOTAL SAMPLE COUNT: 22
SAMPLE COLLECTOR(S): John Soter

Sample ID#	Floor Level	Homogenous Area	Sample Location/Description	Quantity (in feet)	Friable NonFriable	Condition SD, D, G, UK:
15	1	9	Hallway 153 - Spray on Fire Proofing Light Brown On Concrete Deck		F	G
16	1	9	Hallway 153 - Spray on Fire Proofing Light Brown On Concrete Deck		F	G
17	1	9	Hallway 153 - Spray on Fire Proofing Light Brown On Concrete Deck		F	G
18	B	1	Room 9 - Plaster Wall Top Coat White		F	G
19	B	2	Room 9 - Plaster Wall Base Coat Beige		F	G
20	B	10	Room 9 - Plaster Ceiling Top Coat White		F	G
21	B	11	Room 9 - Plaster Ceiling Base Coat Beige		F	G
22	Ext	12	Brick Mortar Beige		F	G

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

Special Instructions/ Turnaround Time:


Test by PLM

Stop at 1st Positive per Homogenous Area

Fax Results to 845-278-7750

E-Mail Results to AdelaidelabResults@adelaidelc.com

72 hr TAT

Relinquished by: 


Received by:

Relinquished by:

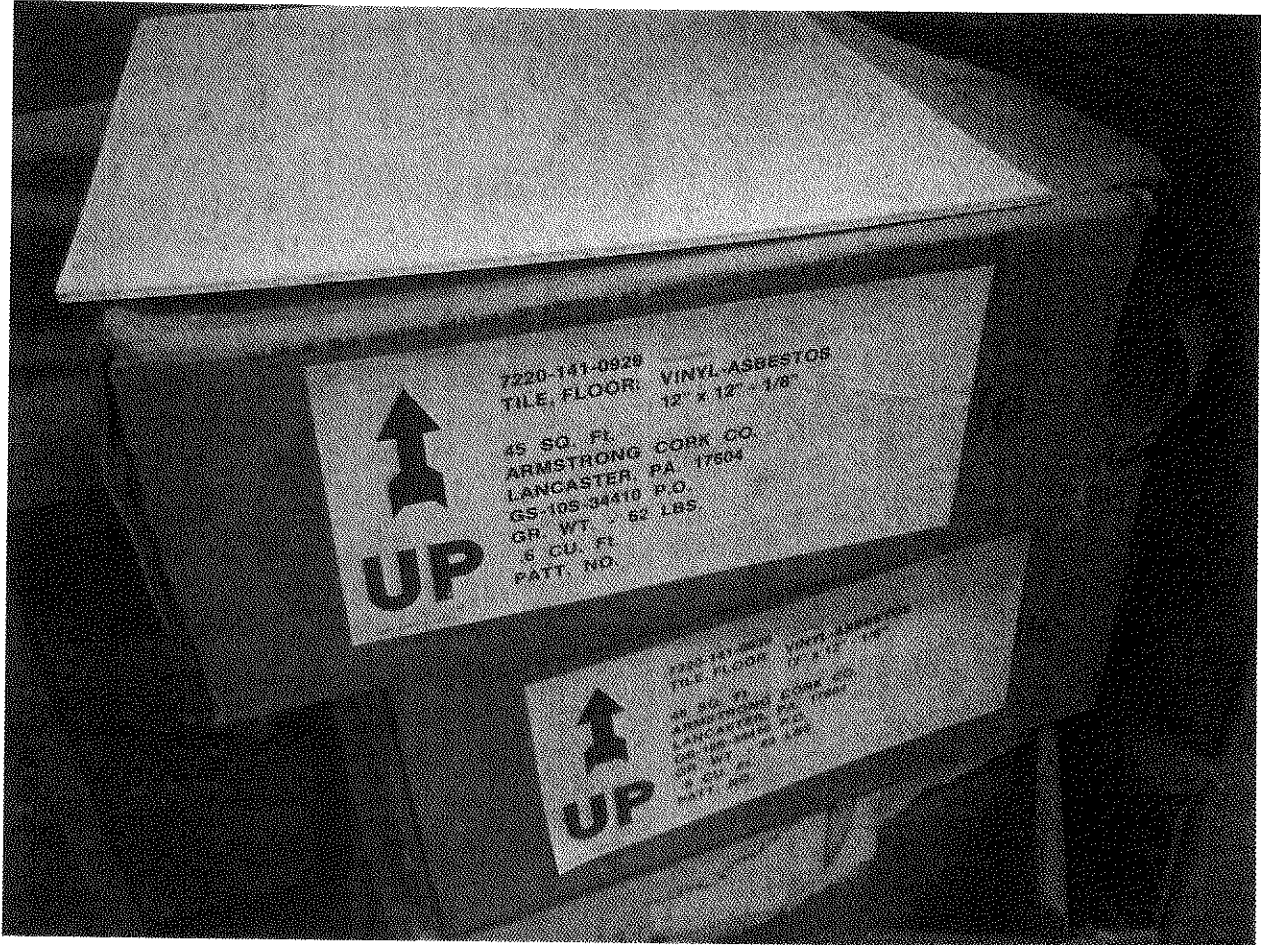
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RECEIVED

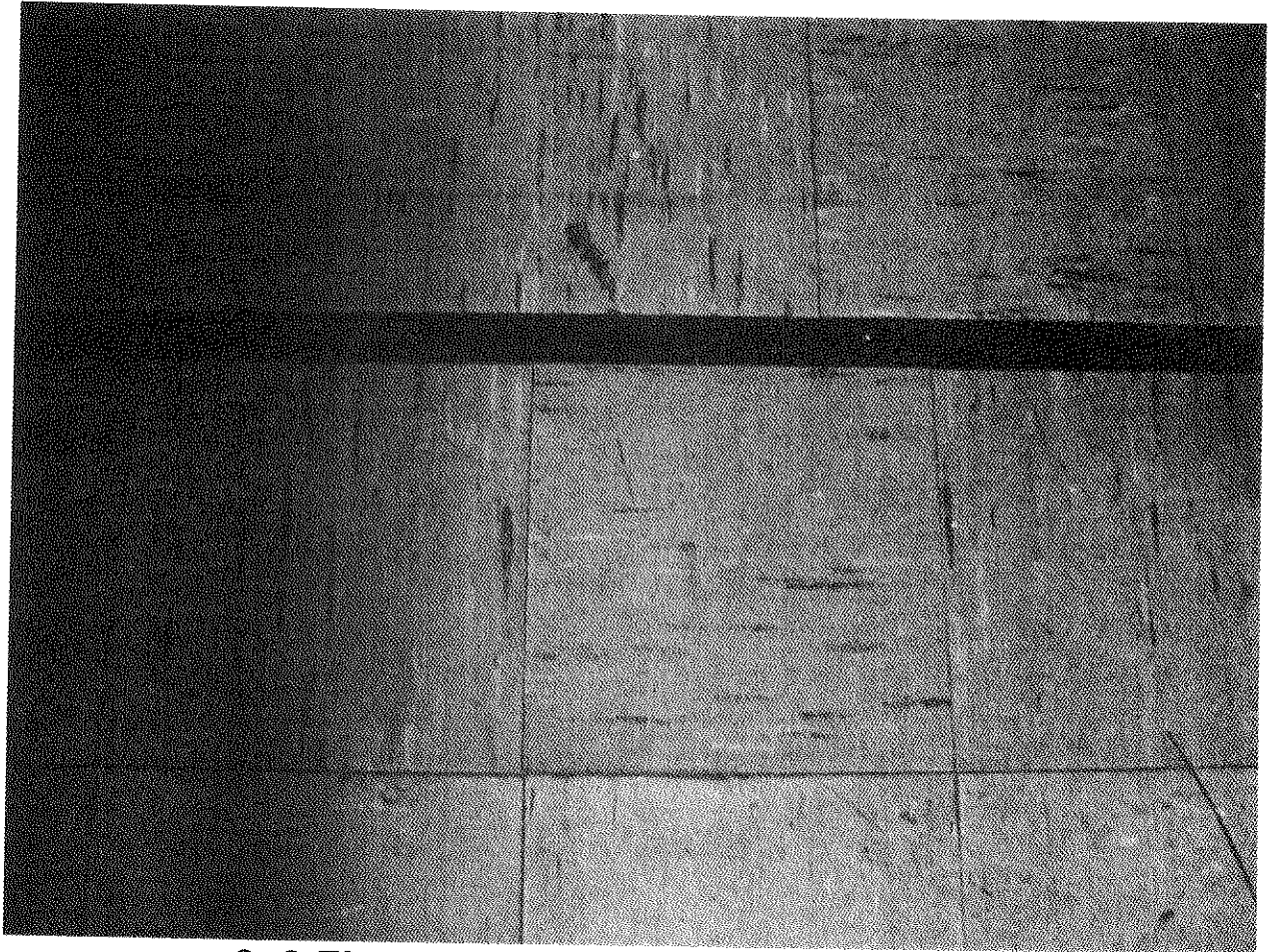
JUN 22 2010

By: 

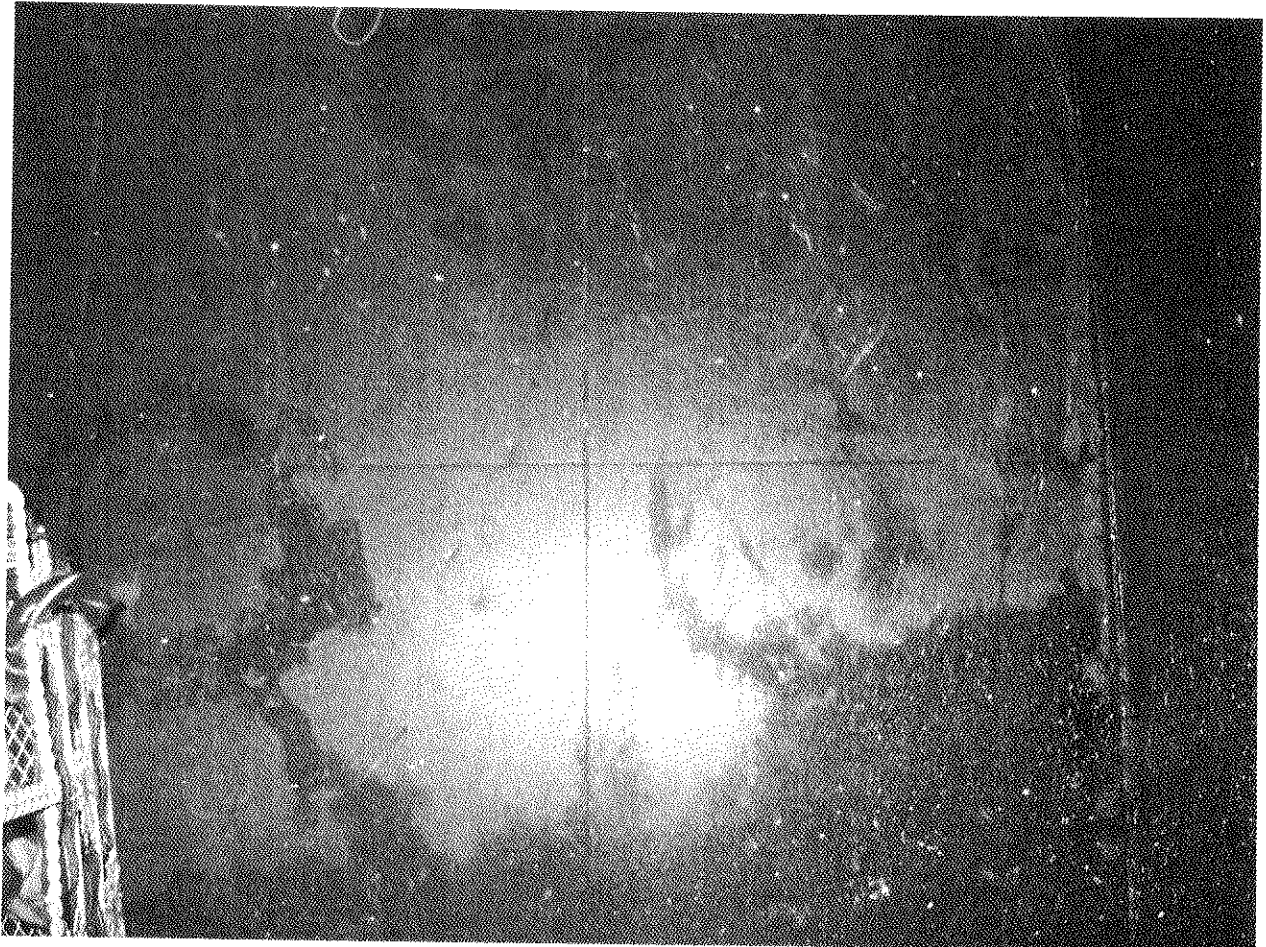
APPENDIX D
SAMPLE LOCATION MAP
AND PHOTOS



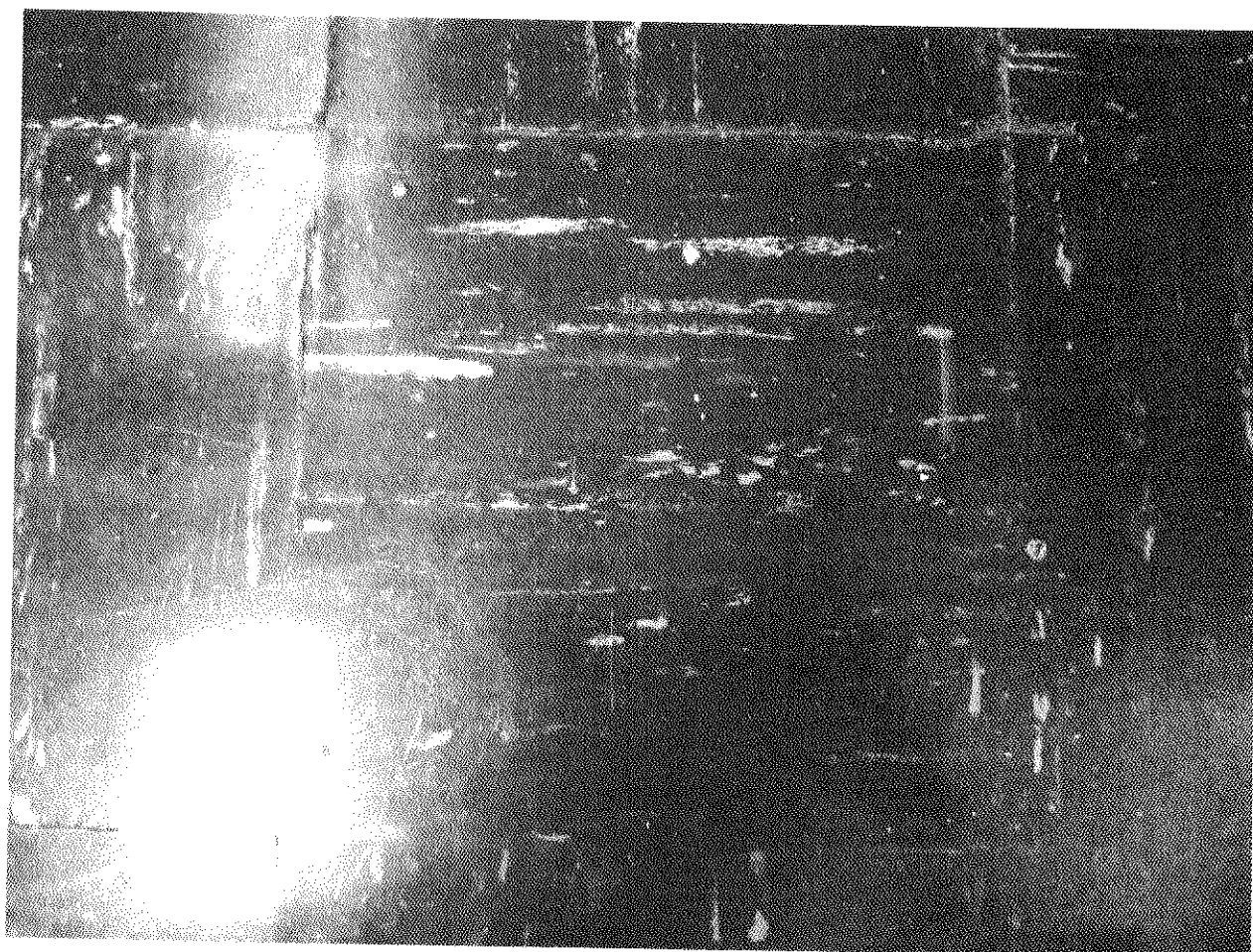
Known Positive Vinyl Asbestos 12x12 White w/ Short Grey Streaks



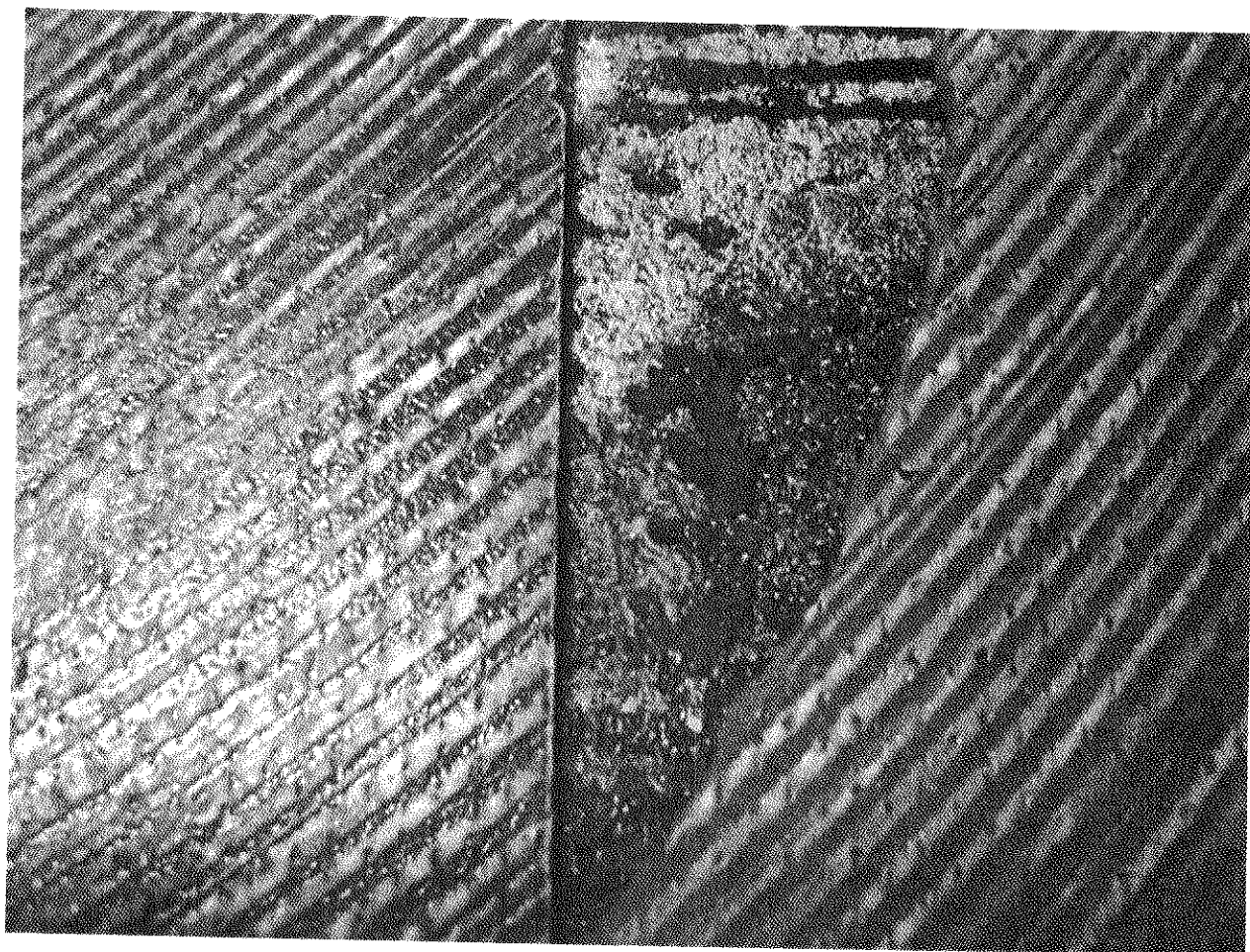
9x9 Floor Tile Beige with Black Streaks



Floor Tile 9" x 9" Orange



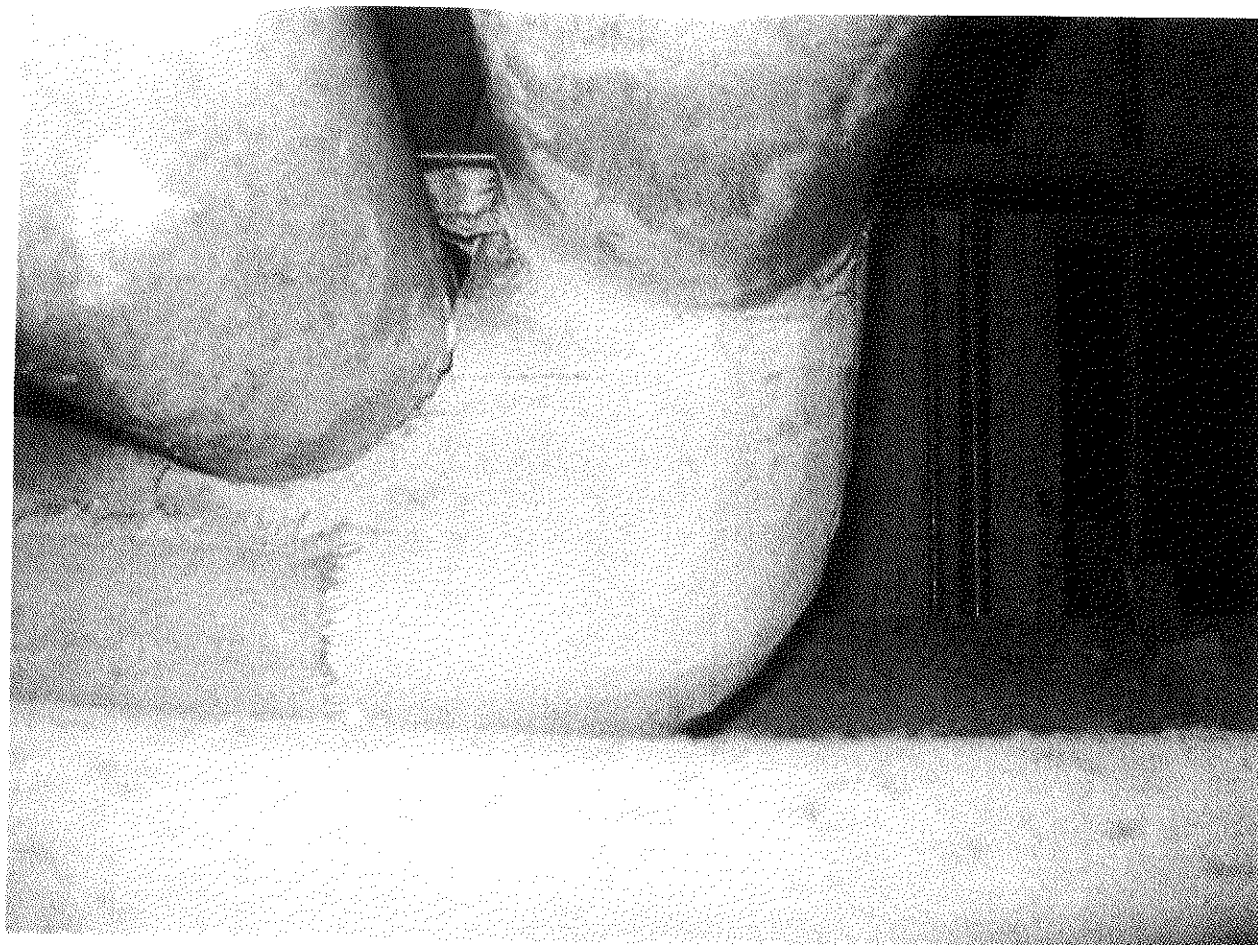
Floor Tile 9" x 9" Brown



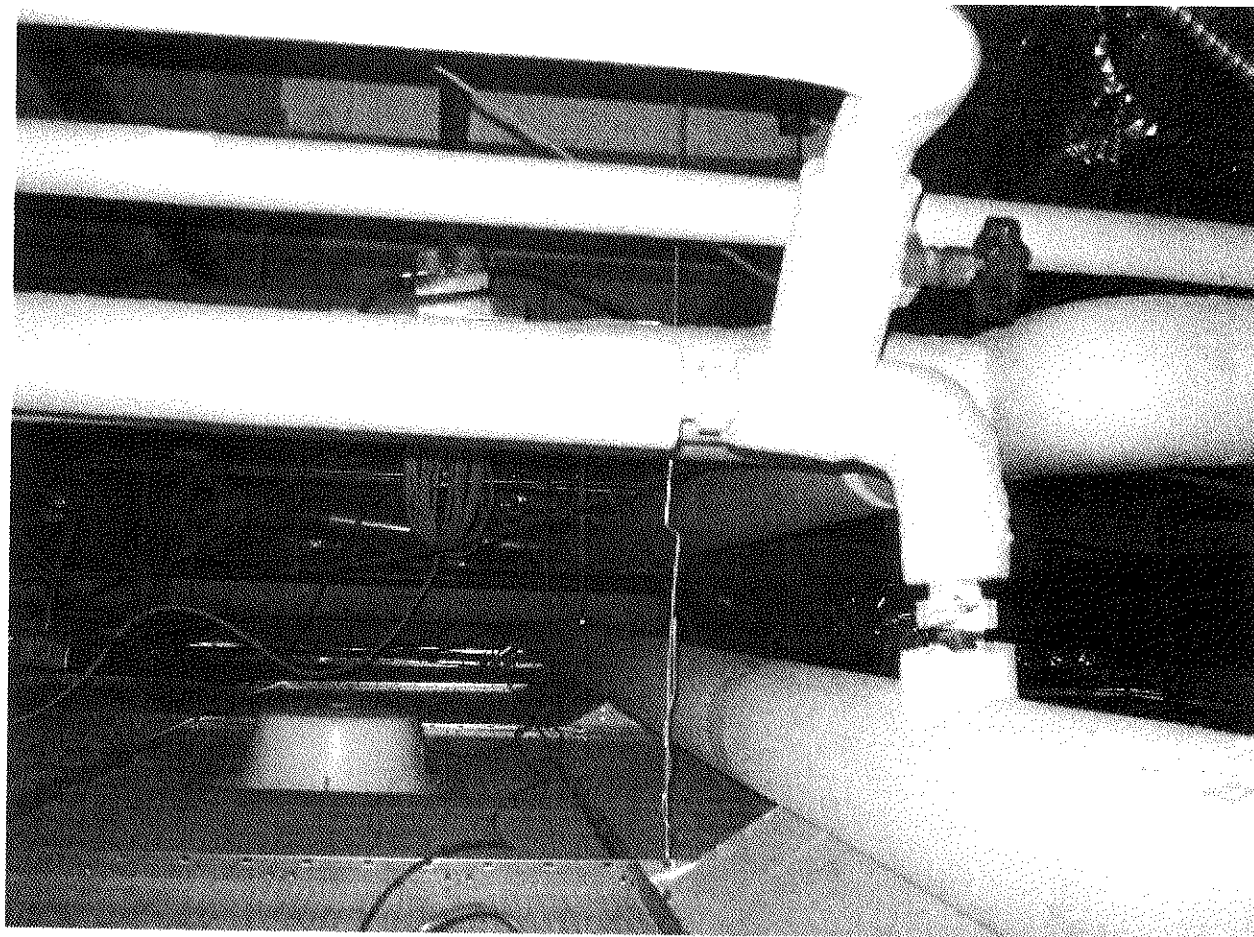
Floor Tile 6" x 12" Red



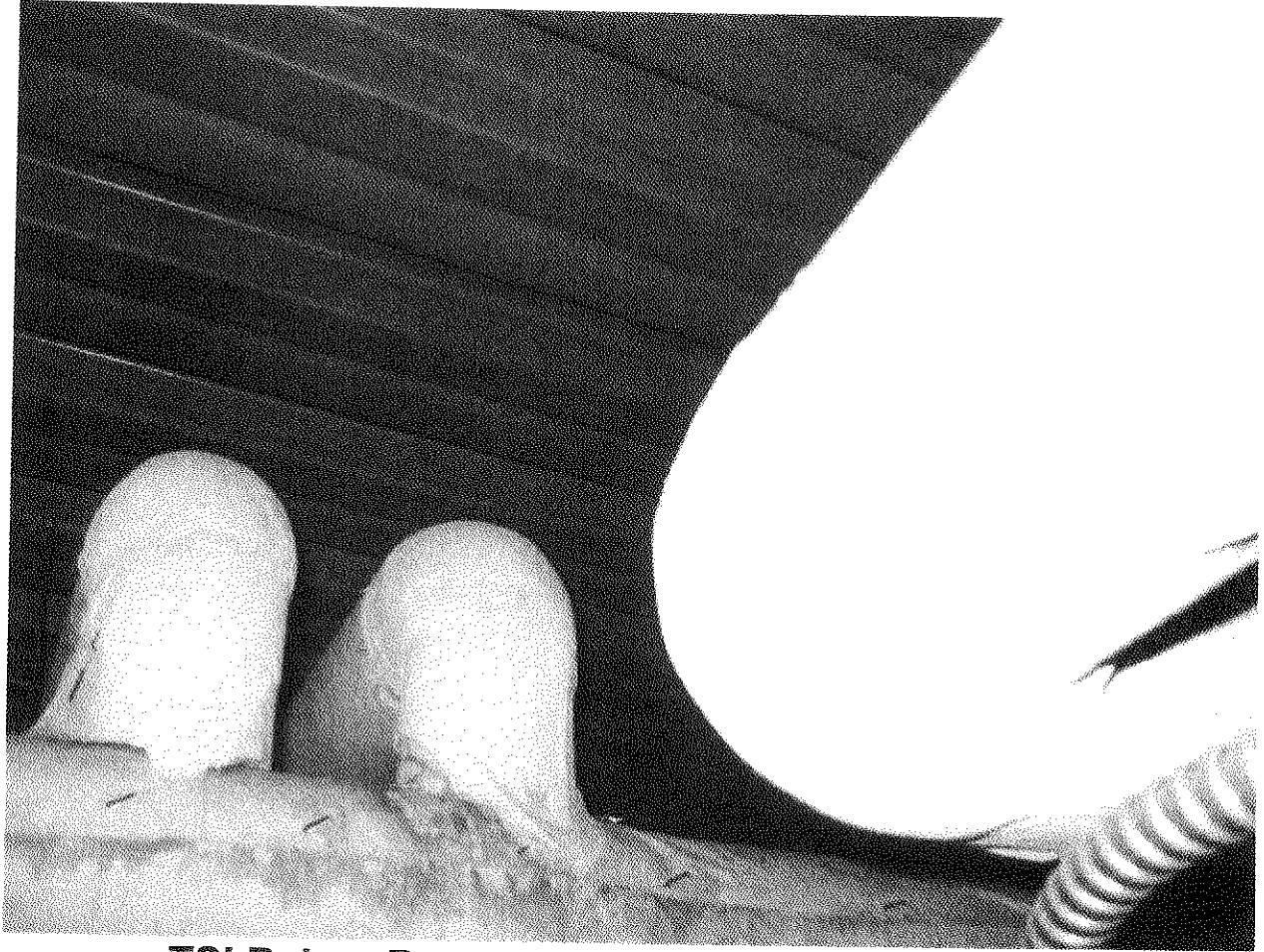
TSI Beige, Gray and White 4" Elbows As Debris on top of ceiling tiles



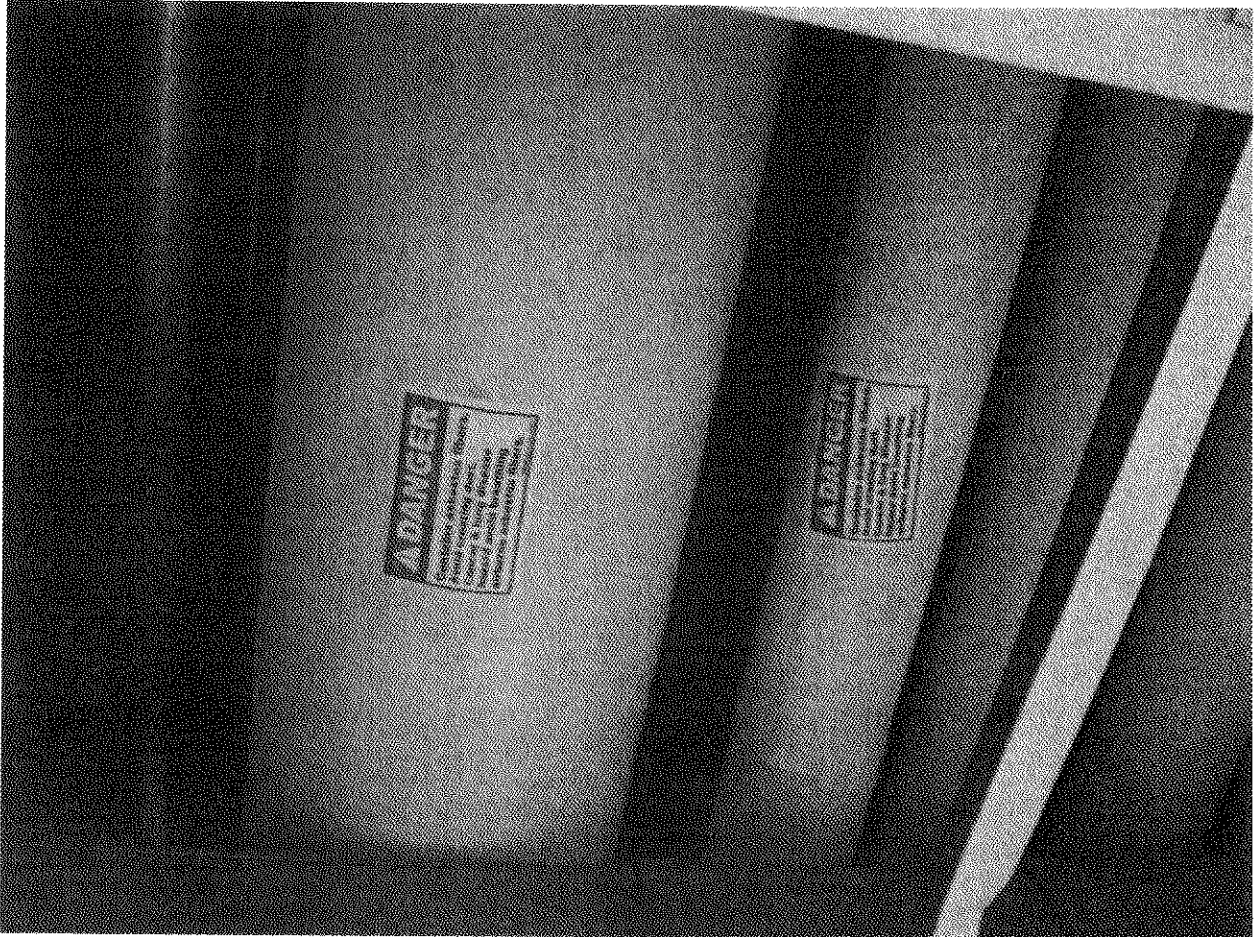
TSI 6" Mudded Joint



**TSI 1" TSI Beige & Gray Pipe Insulation
&
TSI 1" TSI Beige & White Elbow**



TSI Beige, Brown and Gray 4" Pipe Insulation



4" TSI Pipe Insulation White
6" TSI Steam Pipe White



16" TSI Steam Pipe White And Gray

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

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

EXPIRES ON

03-31-2011

NUMBER

3333 000266

VIRGINIA ASBESTOS LICENSE

ASBESTOS ANALYTICAL LABORATORY LICENSE

AMERICA SCIENCE TEAM RICHMOND, INC
13635 GENITO ROAD

MIDLOTHIAN, VA 23112

PCM
PLM
TEM



Jay W. DeBoer
Jay W. DeBoer, Director

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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

MIDLOTHIAN VA 23112



DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
9960 Mayland Dr., Suite 400, Richmond, VA 23233

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
04-30-2011

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

NUMBER
3303 003537

VIRGINIA ASBESTOS LICENSE
INSPECTOR LICENSE

THOMAS P FERRO

PO BOX 35
HALSTEAD, PA 19922



Jay W. DeBoer
Jay W. DeBoer, Director

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33A OSPREY LN



GARDINER NY 12525

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DANBURY CT 06811

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION

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06-30-2011

COMMONWEALTH OF VIRGINIA

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

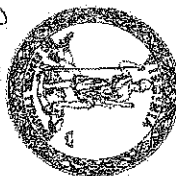
Telephone: (804) 367-8500

NUMBER

3303 003575

VIRGINIA ASBESTOS LICENSE
INSPECTOR LICENSE

ROBERT A SEE
15 BOYCE ST
BEACON, NY 12508



Gordon N. Dixon
Gordon N. Dixon, Director

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VIRGINIA ASBESTOS LICENSE
INSPECTOR LICENSE

NUMBER: 3303 003575 EXPIRATION: 06-30-2011

ROBERT A SEE
15 BOYCE ST



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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
9960 Mayland Dr., Suite 400, Richmond, VA 23233

BEACON NY 12508

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