



HAZARDOUS MATERIALS EVALUATION (ASBESTOS AND LEAD BASED PAINT)

**Veterans Affairs Medical Center
Quarters Buildings
Lebanon, PA**

JEI Job No.: 2003-069

September, 2003

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1.0 INTRODUCTION

Jenkins Environmental was engaged by Polt Design Group to provide an asbestos and lead-based paint evaluation of the Quarters Buildings of the Lebanon VA Hospital on May 9 and September 4, 2003. This investigation included Buildings 3, 4, 5, 25, and 26. The purpose of this investigation was to complete an inspection of the presence and condition of hazardous materials prior to planned renovations. Mr. Larry Jenkins, an AHERA certified Asbestos Inspector and Management Planner, and licensed LBP Risk Assessor, Matthew Crowley, an AHERA certified Asbestos Inspector and LBP Inspector/Technician performed the survey, and Gina Testa, a certified Asbestos Supervisor.

This limited assessment is only designed for identification of hazardous material conditions at the time of this investigation. JEI does not assume responsibility for the discovery and elimination of potential hazards that could cause accidents, injuries, or damage. This assessment includes conditions, operations and practices as observed during the time of the site survey. Changes, procedural modifications or facility renovations made after the site assessment are not included.

2.0 SAMPLING METHODS

Asbestos

Bulk samples were collected of suspect materials for asbestos with each given a unique number, placed in single whirlpak bags, sealed and sent to an accredited laboratory for analysis using Polarized Light Microscopy with dispersion staining techniques.

The facility was visually inspected to identify the locations of suspected asbestos-containing building materials (ACBM). The suspected ACBM was touched by the accredited inspector in order to determine whether the material was friable. Friable by definition means any material that can be crumbled, pulverized or reduced to powder by hand pressure.

Homogeneous areas, those areas of material that are uniform in color and texture, were identified for both friable and non-friable ACBM. Each homogeneous area was classified as one of the following three types of material as defined by EPA.

- a. **Surfacing Material (SM):** Material that is sprayed-on, trowelled on or otherwise applied to surfaces, such as acoustical plaster or other materials on surfaces for acoustical, fireproofing, or other purposes.
- b. **Thermal System Insulation (TSI):** Material that is applied to pipes, fittings, boilers, breeching, tanks, ducts, or other interior structural components to prevent heat loss or gain, or water condensation, or for other purposes.
- c. **Miscellaneous Material (MISC):** Interior building material that is on structural components, structural members or fixtures, such as floor and ceiling tiles and does not include surfacing material or thermal system insulation.

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Lead Based Paint (LBP)

All lead paint was tested using a X-Ray Fluorescence Analyzer (LPA-1) manufactured by RMD, Inc. of Waltham, Massachusetts. The use of a portable, non-destructive testing device was selected due to its quick analysis and efficiency when compared to laboratory analysis. This report includes all readings, both positive and negative. Actual readings appear on an LCD display are recorded on site while a data logger can generate a final report once downloaded.

XRF results are identified as positive, negative, or inconclusive by the following rules:

- "POSITIVE" refers to a sample that has a lead concentration of greater than 1.0 mg/cm²
- "NEGATIVE" refers to a sample that has lead concentration less than 1.0 mg/cm²

To help read the report, on the interior of the buildings "A" wall under the "Wall" section represents the wall facing the street as you enter each room; walls are lettered clockwise from that point.

3.0 SURVEY RESULTS

Bulk Sampling Survey Report

During this survey, JEI's inspectors collected 21 bulk samples of suspect ACM. Each sample collected represents a separate building material.

The sample results are summarized in the tables section of this report.

Lead Survey Report

A total of 143 surfaces were tested for lead, 15 of which are calibration checks. The results are summarized in the following tables.

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Jenkins Environmental Inc. Bulk SAMPLING SURVEY REPORT						
DATE: 9/4/03			JEI PROJECT NO.: 2003-069			
PROJECT: VA Lebanon			COLLECTED BY: LDJ			
Sample ID	Quantity SF/LF	Homogenous Area Location	Photo No.	Sample Analysis		
				Fibrous	Non-Fibrous	% Asbestos
LEB-QTR-1	160	Bldg 5 - Floor Tile in maids room and bathroom which is located in the basement.		3% SYNT	90% OTHR	7% CHRY
LEB-QTR-2		Bldg 5 - Floor Tile in maids room and bathroom which is located in the basement.		3% SYNT	90% OTHR	7% CHRY
LEB-QTR-3		Bldg 5 - Floor Tile in maids room and bathroom which is located in the basement.		3% SYNT	90% OTHR	7% CHRY
LEB-QTR-4		Mastic from 1, 2, and 3		20% SYNT	80% ASPHALTIC OTHR	---
LEB-QTR-5		Mastic from 1, 2, and 3		20% SYNT	80% ASPHALTIC OTHR	---
LEB-QTR-6		Mastic from 1, 2, and 3		20% SYNT	80% ASPHALTIC OTHR	---
LEB-QTR-7		Bldg 5 - Pipe insulation from the bathroom in the basement		10% OTHR	55% CALC	20% AMOS 15%CHRY
LEB-QTR-8		Bldg 5 - Debris found on the hot water heater		10% OTHR	55% CALC	20% AMOS 15%CHRY
LEB-QTR-9		Bldg 5 - Pipe insulation off LPR (same as LPS)		10% OTHR	55% CALC	20% AMOS 15%CHRY
LEB-QTR-10		Bldg 5 - Mudded fitting - same line as LEB-QTR		10% OTHR	55% CALC	20% AMOS 15%CHRY
LEB-QTR-11		Bldg 5 - Pipe Insulation from cold water line		70% CELL	10% OTHR	20% CHRY
LEB-QTR-12		Bldg 5 - Mudded fitting from cold water line		20% OTHR	45% CALC	35% CHRY
LEB-QTR-13		Bldg 5 - Pipe Insulation from hot water line		70% CELL	10% OTHR	20% CHRY
LEB-QTR-14		Bldg 5 - Mudded fitting from hot water line		20% OTHR	45% CALC	35% CHRY
LEB-QTR-15		Bldg 4-2 - Pipe Insulation from LPS (same as LPR)		10% OTHR	55% CALC	20% AMOS 15%CHRY
LEB-QTR-16		Bldg 4-2 - Mudded fitting from LPS		10% OTHR	55% CALC	20% AMOS 15%CHRY
LEB-QTR-17		Bldg 4-2 - Pipe Insulation from cold water line		70% CELL	10% OTHR	20% CHRY
LEB-QTR-18		Bldg 4-2 - Mudded fitting from cold water line		20% OTHR	45% CALC	35% CHRY
LEB-QTR-19		Bldg 4-2 - Pipe Insulation from hot water line		70% CELL	10% OTHR	20% CHRY
LEB-QTR-20		Bldg 4-2 - Mudded fitting from hot water line		10% OTHR	55% CALC	20% AMOS 15%CHRY
VL-01		Green striped sheetgood material found in Room 202 and 204		15% SYNT 5% CELL	80% OTHR	---
ANALYST: Michael J. Cirri Jenkins Environmental, Inc. (AIHA #10182)			ANALYTICAL PROCEDURE: Polarized Light Microscope as per Appendix A, 40CFR763			

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KEY

HOMOGENOUS AREA	FIBROUS	NON-FIBROUS	ASBESTOS
TSI- Thermal Systems	CELL-Cellulose	QRTZ-Quartz	ACTN-Actinolite
SM- Surfacing Material	FBGL-Fiberglass	MICA-Mica	AMOS-Amosite
M- Miscellaneous	MNWL-Mineral Wood	GYPG-Gypsum	ANTH-Anthophyllite
	SYNT-Synthetic	CALC-Calcium Carbonate	CHRY-Chrysotile
	OTHR-Other	OTHR-Other	CROC-Crocidolite
	NONE-None	NONE-None	TREM-Tremolite
			NONE-None

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LEAD BASES PAINT- XRF INSPECTION DATA						
Client- VA Lebanon Hospital Quarters			Project: 2003-069			
Date: 5/10/03		Inspector: L. Jenkins		XRF: RMD/LPA-1#01554		
Confirmed Lead Paint: >1.0 mg/cm ² BL= Below State Lead Level (1.0)						
No.	Wall	Room/Location	Substrate	Condition Satis/Unsatis	Color	Lead (mg/cm ²)
1		Calibration Check				0.9
2		Calibration Check				0.9
3		Calibration Check				0.9
Building 3						
4		Exterior ceiling	M	S	BL	-0.1
5		Bottom rail in exterior front porch	M	S	BL	-0.1
6		Inlaid pillar (left of door)	W	U	Y	>9.9
7		Window casing (left of door)	M	S	Y	-0.2
8		Door casing	W	S	Y	1.4
9		Inlaid pillar (right of door)	W	U	Y	0.9
10		Interior of front door	W	S	PURPLE	0.9
South Screen Porch- Building 3						
11		Post on exterior porch	M	S	MAROO N	-0.1
12		Stairwell stringer on exterior porch	M	S	MAROO N	-0.2
13		Stairwell rail on exterior porch	M	S	GRAY	-0.6
14		Screen window casing on exterior porch	W	S	Y	-0.3
15		Screen porch door jam	W	S	Y	-0.2
16		Screen porch ceiling	W	S	Y	2.4
17		Door between building and screen porch	W	S	Y	-0.2
18		Exterior wood column	W	S	Y	>9.9
19		Fascia	W	S	Y	0.9
West Exit- Building 3						
20		Door-Rear of building	W	U	Y	0.1
21		Dental molding above door	W	S	Y	>9.9
22		Shutters	M	S	GR	-0.2
23		Stairwell inside building-top floor	W	S	BL	-0.2
24		Stairwell rail	M	S	BL	5.2
25		Back entrance- Tongue and groove paneling	W	S	Y	>9.9
26		Exterior door	W	S	Y	-0.2
27		Secondary interior screen door	W	S	Y	>9.9
28		Interior composition board	W	S	Y	>9.9
29		Railing leading to basement from outside	M	S	BL	0.9
30		Inlaid support beam from porch	W	S	Y	>9.9
31		Covebase glazed block in bathroom	CER	S	BR	0.4
Building 4-2						
32		Calibration Check				0.9
33		Calibration Check				0.9
34		Calibration Check				0.9
35		Bottom Cupboard	W	S	WH	-0.1
36		Underside of kitchen cabinet drawer	W	S	WH	-0.2
37		Underside of open drawer/ counter	W	S	WH	0
38		Cabinet door	W	S	WH	-0.1
39		Decorative wooden grill under sink	W	S	WH	0.1
40		Board above sink	W	S	WH	7.9
41		Window sill above sink	W	S	WH	4.3
42		Radiator in living room	M	S	WH	0.2
43		Bathroom door frame	W	S	WH	1.3
44		Bathroom radiator	M	S	WH	-0.1
45		Bedroom wall	M	S	WH	0.2
46		Closet shelf	W	S	WH	2.0
Building 5						
47		Grate under window on 2 nd floor	M	S	GR	-0.1
48		2 nd floor-orange room wall	W	S	OR	-0.2
49		Calibration Check		S		0.9

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50		Calibration Check				0.6
51		Calibration Check				0.5
52		Calibration Check				0.9
53		Calibration Check				1.5
54		Calibration Check				1.1
55		Calibration Check				1.1
Building 4-1						
1 st Floor						
56		Exterior casework	W	US	Y	1.7
57		Front door	W		Y	>9.9
58		Secondary door frame	W		CR	>9.9
59		Small window in foyer, sash	W		CR	1.9
60		Ceiling of foyer inside house	PL		CR	0.3
61	C	Inside foyer wall	PL		CR	0.2
62		Archway to dining room	W		WH	2.0
63		Inside/back of secondary door	W		WH	3.4
Living Room						
64		Archway into living room	W		CR	1.8
65		Door to exterior porch	W		WH	3.9
66	A	Wall	PL		WH	0.4
67	A	5in. baseboard	W		WH	3.4
68	A	Fireplace	W		WH	>9.9
69	A	Window sill	W		WH	3.5
70	B	Radiator	M		WH	0.7
Kitchen						
71	B	Window sill	W		WH	4.6
72	B	Window frame	W		WH	1.6
73	C	Cabinet	M		WH	0.1
74	C	Wall	PL		WH	0.7
75	A	Pantry wall	PL		WH	0.2
76		Underside of shelf in pantry	W		WH	2.9
Dining Room						
77	C	Wall	PL		WH	0.7
78		Ceiling	PL		WH	0.3
79		Stairwell Stringer	W		WH	3.4
80		Spindle Stringer	W		WH	3.5
81		Hallway closet framing/caot rack	W		WH	2.9
82	A	Hallway closet wall	PL		WH	0
2 nd Floor						
83		Computer room wall	PL		WH	0.3
84		Hall closet shelf	W		WH	-0.1
85		Hall closet shelf	W		WH	0.2
86		Hall closet shelving supports	W		WH	2.2
Child's Bedroom						
87		Window sill	W		WH	0.4
88		Window frame	W		WH	1.9
89		Closet support frame	W		WH	2.0
90		Closet shelf	W		WH	2.2
Bathroom						
91		4.5in. glazed block	CBR		GR	4.4
92	D	Wall	PL		WH	0.3
Master Bedroom						
93		Closet frame	W		WH	2.3
94		Ceiling	PL		WH	-0.1
Exterior Side Porch						
95		Door casing	W		WH	>9.9
96		Tongue and groove ceiling	W		WH	>9.9
97		Column	W		WH	>9.9
98		Floor	CONC		GRAY	0.3
Basement						
99		Stairs	W		BL	7.1
100		Structural support	M		GRAY	4.0
101		Wall	PL		GRAY	0.7
102		Sanitary pipe	M		TAN	5.1
Building 25-1						
103		Exterior door casing	W		CR	1.2

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104	A	Living room wall	PL		WH	0.7
105		Living room ceiling	PL		WH	0.5
106		Foyer ceiling	PL		WH	0.7
107		Stairwell landing window sill	W		WH	1.6
108		Bathroom glazed block	CER		BR	0.3
109	A	Bathroom wall	PL		WH	0.2
110		Rear bedroom closet shelving 1 x 4 framing	W		WH	2.9
111		Hallway closet shelving	W		WH	0.1
112		Kitchen wall	PL		WH	0.7
113		Kitchen cabinet	M		WH	0
114		Trim over sink	W		WH	>9.9
115		Pantry shelves	W		WH	2.6
116		Secondary door	W		WH	4.4
117		Hallway wall	PL		WH	0.3
118		Kitchen shelves	M		WH	0.1
119		Kitchen shelves	W		WH	0
120		Kitchen wall	PL		WH	0.4
121		Stairwell stringer	W		WH	6.4
122		Front child's bedroom closet framing	W		WH	2.6
123		Bathroom glazed block	CER		WH	0.4
124		Bathroom ceiling			WH	0.1
Building 26						
1st Floor						
125		Front door casing	W		Y	1.5
126		Front door	W		Y	3.3
127		Foyer/entranceway wall	PL		BL	0.7
128		Interior corridor	PL		BL	0.3
Room 115						
129	D	Wall	PL		WH	0.4
130		Window sill	W		WH	0.7
131		Window casing	W		WH	0.7
132		Living room	M		WH	0.2
133		Living room closet framing	W		WH	3.3
134		Horizontal shelf	W		WH	3.2
135		Bathroom glazed block	CER		GR	4.1
136		Walk-in closet	W		WH	3.8
137		Door to bedroom	W		BR	0
Room 114						
138		Bathroom glazed block	CER		GR	4.7
139	C	Master bedroom wall	W		WH	0.2
140		Living room window sill	W		WH	0.7
141		Closet door jam	M		WH	0.7
Room 109						
142		Ceiling	PL		WH	0.1
143		Kitchen quarry tile			GR	0.2
Room 106						
144		Living room crown molding	PL		WH	0.7
145		Newell post on 1 st floor landing	M		BR	3.8
146		Stairwell stringer	M		BR	2.2
Room 204						
147		Window sill	W		WH	0.7
148		Wall	PL		WH	0
149		Calibration Check				1.2
150		Calibration Check				1.3
151		Calibration Check				1.2
KEY						
Substrate			Color			
DW-drywall	P-plaster		WH-white		R-red	
W-wood	B-brick		GR-gray		OR-orange	
M-metal	S-steel		BR-brown		GN-green	
C-concrete	CM-ceramic		B-black		T-tan	
G-glass			BL-blue		P-pink	
			Y-yellow			

4.0 CONCLUSION

Jenkins Environmental was requested to evaluate the presence and condition of hazardous materials at the Quarters Buildings of the VAMC in Lebanon, PA. The buildings covered under this survey included 3, 4, 5, 25, and 26. These buildings were accessed on two occasions, May 10 and September 4, 2003. Information gathered by surveying these building should prove sufficient to evaluate the conditions of the other buildings as they are of the same vintage and construction.

Photographs referenced here are provided in Section 5.0.

Lead Based Paint

There were 143 separate readings taken on the exterior and interior surfaces on this site. Examination of windows, window components, doors, casings, frames, stairs, porches, pillars, railings, and walls was completed. Readings collected are representative of similar material throughout the various areas. The positive lead paint readings numbered approximately 78 excluding calibration checks.

Lead paint stabilization and/or abatement of doors containing lead-based paint is immediately necessary to alleviate the prospect of tracking inside any lead paint chips. Friction points, such as between doors and their hinges, are noteworthy as paint chipping is clearly visible. In occupied residences, chipping and peeling lead based paint poses a direct hazard to young children.

Building 3

Various exterior components of the building tested positive for lead-based paint. The following is a breakdown of these components.

1. Interior and exterior of main entrance (east side) door.
 - a. The inlaid pillars to the right and left of the main entrance door. See Photo 1.
 - b. The door casing.
2. North and South screened porch components.
 - a. Upper exterior wood fascia
 - b. Wood support columns
 - c. Tongue in groove ceilings
3. West side (rear) of building door components. See Photos 3 & 4.
4. Interior black stairwell banisters. See Photo 5.

Building 4

This building is split into two residences, 4-1 and 4-2, therefore the lead based paint will be found in both residences. Various exterior and interior components of this building tested positive for lead-based paint. Beginning on the 1st floor the following rooms contained a component with lead paint: living room, kitchen, foyer, and dining room. The foyer area exhibited distinct peeling and gatoring (chipping) of lead paint. The following is a breakdown of these components:

1. Foyer/Hallway
 - a. The primary and secondary door, frame, and casework
 - b. The small window sash
 - c. The archway into the dining room
 - d. Wood wall panel
 - e. Stairwell stringer and spindle
 - f. Hallway closet framing/coat rack
2. Living Room

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- a. Wooden archway leading into the living room
- b. Window sill
- c. Fireplace
- d. Radiator

3. Kitchen

- a. Window sill and frame
- b. Wall
- c. Shelving in pantry

On the 2nd floor, the bathroom, master and child's bedroom, and in the hallway several components contained lead based paint. The following is a breakdown of these components. In the bathroom, the 4.5 in. glazed wall tile blocks was found to contain lead based paint. In the master bedroom and the child's bedroom the closet frame was found to be positive for lead based paint. Also in the child's bedroom, the window frame, and wood closet support contained lead based paint. In the hallway closet, the shelving support contained lead based paint.

On the exterior porch, several items were found to contain lead paint. The door casing, tongue in groove ceiling, and the support column all tested positive for lead based paint.

In the basement, the stairs leading below grade, the structural support, the wall, and sanitary pipe all tested positive for lead based paint.

The presence of a small child in one of these residences intensifies this situation. These areas of peeling and/or chipping paint require immediate remediation. Attention was brought to Grant Ruhl and Scott Carpenter of the VA's Engineering Department by JEI prior to leaving the site on 5/9/03 regarding the lead paint situation in this residence.

See Photos 11, 12, 13, 14.

Building 5

Numerous exterior building components contain lead-based paint. This includes windows, door, screened porches including the ceilings, and foyer area components. See Photos 6 & 7.

JEI assumes the presence of interior lead-based paint as a result of report 95-020, from the Chief Occupational Health and Fire Protection of the Department of Veterans Affairs. This report states that lead-based paint is found on all wooden surfaces on the staircase, all doors, and all other painted wooden miscellaneous floor molding surfaces such as kitchen trim, mantels, and fireplace panels. This was confirmed by JEI's testing as well.

The three interior components testing positive for lead based paint in this building were the secondary door, stairwell stringer, and the bathroom glazed tile block.

Building 25

This building is split into two residences, 25-1 and 25-2, therefore the lead based paint will be found in both residences. In this building there were various interior components that were found to contain lead based paint. The living room and kitchen wall, the trim over the kitchen sink, pantry shelves, and foyer ceiling were all components on the first floor that tested positive for lead based paint. The rear bedroom closet shelf framing and the stairwell landing window sill were the two components to contain lead based paint in above grade floors. On the exterior of the building, the door casing was found to be positive for lead based paint.

Based on these and previous findings by JEI, we assume that all wood surfaces found in Building 3 (which was not surveyed on this date but was in May 2003), 4, 5, and 25 will test positive for lead based paint unless they have been

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recently replaced. Also, all the windows in these buildings have been replaced with vinyl windows leaving only the frame and sill to be wood. The remaining wood window surfaces contain lead based paint.

Building 26

This building consists of mini-apartment buildings, which were randomly and individually surveyed. The foyer to the building did contain some lead based paint components such as the front door casing, the front door, and the entranceway wall. The apartments that were surveyed were the following: Room 115, 114, 109, and 204. The newell post on the 1st floor landing and the stairwell stringer were found to contain lead based paint.

Room 115

In this apartment several interior components tested positive for lead based paint. These are the following: the window sill and casing, living room closet frame, bathroom glazed block, walk-in closet wall, and the hall closet horizontal shelf.

Room 114

In this apartment, the glazed block tested positive for lead based paint along with the living room window sill and the closet door jamb.

Room 106

The living room crown molding was the only component tested which has lead based paint.

Room 204

The window sill was the only component tested which has lead based paint

The remaining apartments in Building 26 are assumed to contain the same lead based paint components as the previous apartments.

Asbestos

Samples collected are representative of similar material throughout the proposed renovation area.

JEI's inspectors conducted a thorough inspection of specified areas of this facility as directed by the architects; however, the survey did not include destructive sampling or extend to areas that were inaccessible. It is possible that other ACMs may be encountered that may contain asbestos during renovation or demolition. It is advisable that if these materials are subsequently exposed they should be analyzed for their content.

Building 3

This building is asbestos free.

**It should be noted that mold was observed at the north end of the second floor in some of the rooms and in the hallway. Workmen cleaning or working with this material should consider wearing proper Personal Protective Equipment (PPE). See Photo 2.

Building 4 (two residences)

The following items contain asbestos:

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1. Floor tile - approximately 370 of VAT and mastic is assumed present under the kitchens and connecting hallways flooring and/or carpeting. See Photo 16.
2. All basement pipe insulation and mudded fittings. There is approximately 1000 LF of asbestos insulation in the building (500 LF/residence).

Building 5

The following items tested positive for asbestos:

1. Floor tile - approximately 106 SF of vinyl asbestos floor tile (VAT) and mastic was identified in the basement. See Photo 9.
2. All basement pipe insulation and mudded fittings. There is approximately 522 LF of asbestos insulation. See Photo 8

Building 25 (two residences - identical to Building 4)

The following items contain asbestos:

1. Floor tile - approximately 370 SF of VAT and mastic is assumed present under the kitchens and connecting hallways flooring and/or carpeting.
2. All basement pipe insulation. Although this building is identical to Building 4, the third steam pipe (labeled VR) found in Building 4 was not found in Building 25. Therefore the estimated quantity of asbestos insulation in Building 25 is 810 LF.

Building 26

If our assumptions hold true then all piping in the basement will be asbestos containing. The boiler room and several rooms along the rear wall contain approximately 550 LF of asbestos pipe insulation. We estimate there are several thousand linear feet of asbestos pipe insulation in the basement crawlspace. Also, we assume that there is approximately 117 SF of VAT in the kitchen (as it appears in the other building kitchens).

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5.0 PHOTOGRAPHS

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Photo 1

Exterior view of Building 3

Lead-based paint on exterior - yellow door casing; yellow inlaid pillars; interior of front door

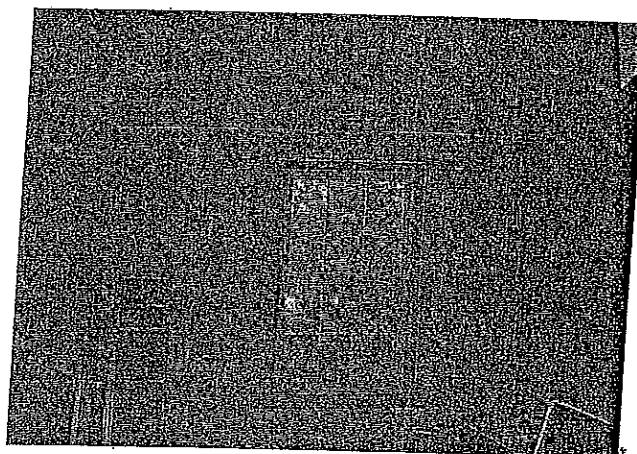


Photo 2

Building 3 - Second floor - north end
Mold spots visible on wall

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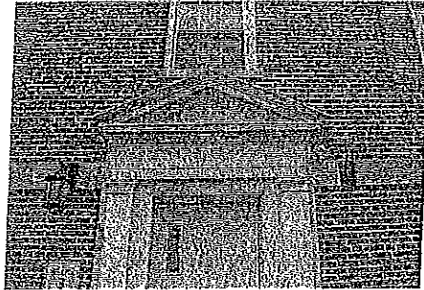


Photo 3
Building 3 - rear west entrance
Lead-based paint on the dental molding

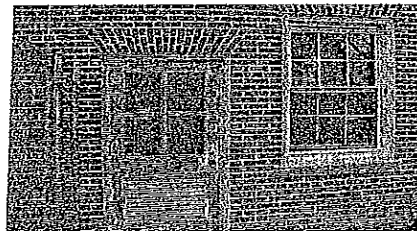


Photo 4
Building 3
Peeling lead-based paint on southwest door

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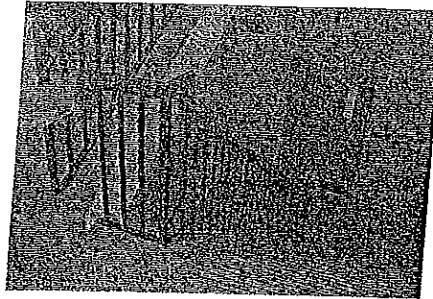


Photo 5
Building 3
Black stairwell banisters with lead-based paint



Photo 6
Building 5
Secondary interior screen door in foyer area has lead-based paint

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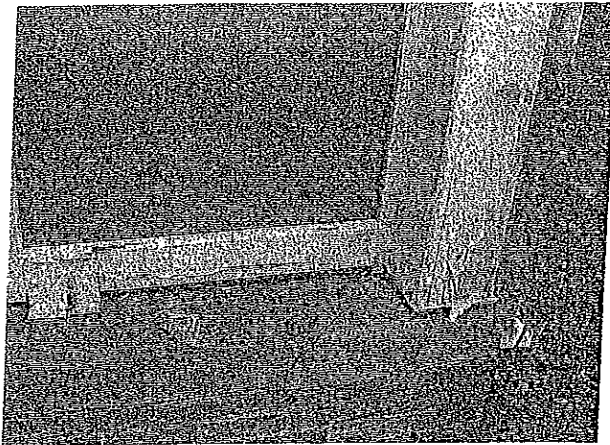


Photo 7
Building 5
Exterior of screened porch has peeling lead-based paint components

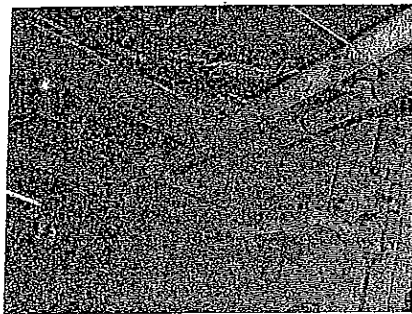


Photo 8
Building 5
Asbestos piping (length and fittings) throughout the basement - typical of all buildings

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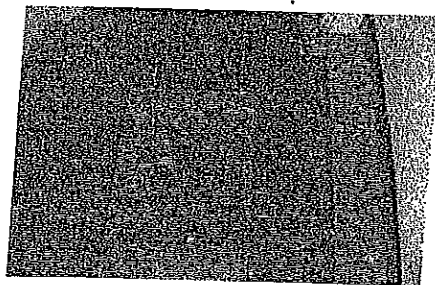


Photo 9
Building 5
VAT in basement - Sample LEB-QTR-1,2,3 (mastic negative)

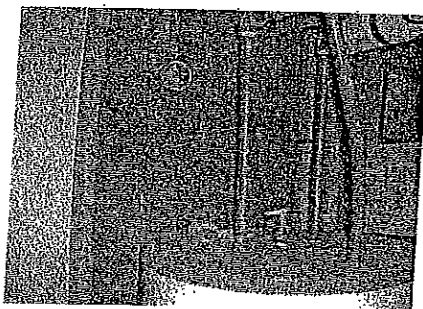


Photo 10
Building 5 - basement
Asbestos debris on top of hot water heater - Sample LEB-QTR-8
Asbestos transite piping also within wall (top of photo)

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Photo 11

Exterior view of Building 4 (residence 4-2 on right)
Typical exterior features have lead-based paint - windows, screened porches, and foyers

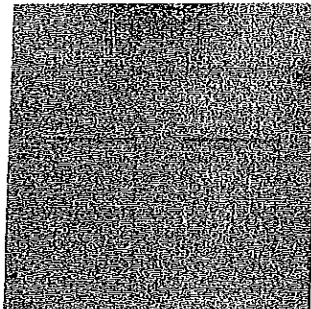


Photo 12

Building 4-2

Peeling lead-based paint on front door

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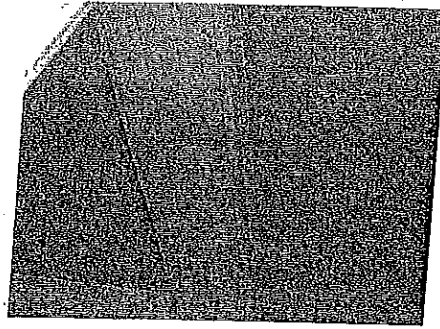


Photo 13
Building 4-2
Peeling lead based paint on 2nd floor bathroom door casing

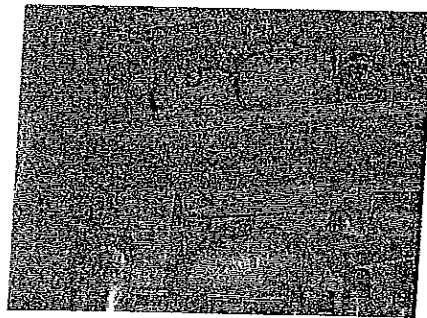


Photo 14
Building 4-2
Peeling lead-based paint in bathroom closet

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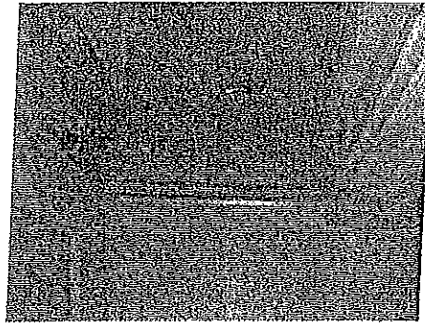


Photo 15
Building 4-2

VAT present underneath kitchen's and connecting hallway's sheetgood material (visible at metal's edge)
VAT assumed present in all buildings' kitchens



Photo 16
Exterior of Building 26

Typical exterior components have lead-based paint - windows, dental molding, screened porches, foyers

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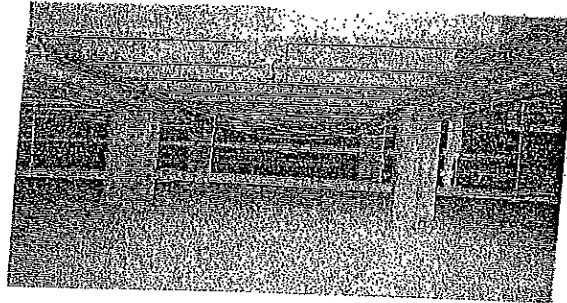


Photo 17
Building 26
Crawl space on Southeast side with several thousand feet of pipe insulation

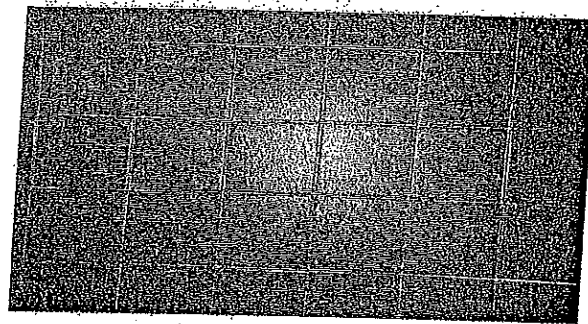


Photo 18
Building 3,4,5,25,26
Lead glazed ceramic bathroom tile found in all buildings

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Photo 19
Building 26
Pantry shelf painted with lead based paint in poor condition

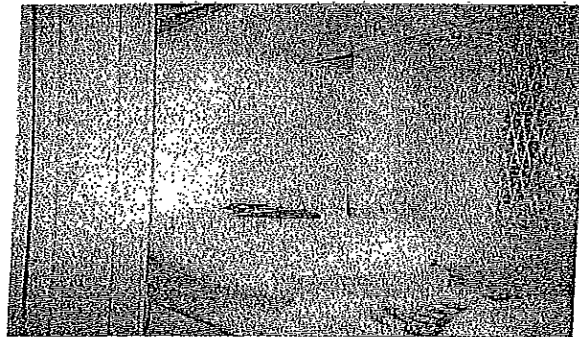


Photo 20
Building 4
Only closet shelf that does not contain lead based paint because of the new air duct unit recently added.

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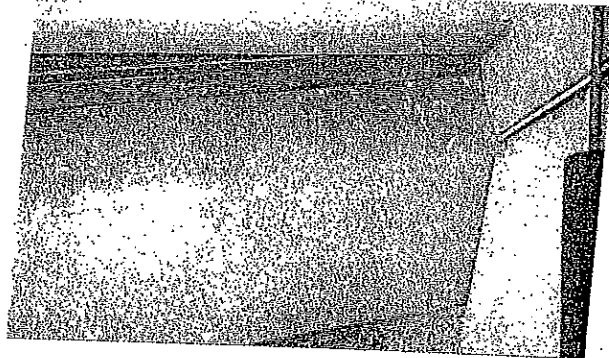


Photo 21
Building 4

Lead paint chips found on the floor under a friction point (door jam and door) in the threshold.