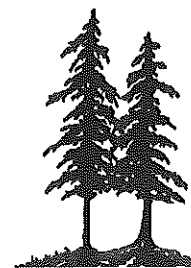


Midwest
Environmental
Consulting, L.L.C.



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**Saint Anthony Park Elementary
Saint Paul Public Schools**

Lead-Based Paint Inspection

Inspection Dates: 11/19/97, 11/20/97, 11/21/97

submitted to:

Saint Paul Public Schools

MEC Project # 62/0197BD

INTRODUCTION

At the request of Saint Paul Public Schools Environmental Safety Department, Midwest Environmental Consulting, L.L.C. (MEC), conducted a lead-based paint inspection at Saint Anthony Park Elementary, 2180 Knapp Street, St. Paul, MN. The purpose of this inspection was to identify lead-based painted, varnished, or otherwise coated building components on the interior and exterior of the school building.

The inspection protocol incorporated applicable portions of the U.S. Department of Housing and Urban Development (HUD) *Guidelines for the Evaluation and Control of Lead-based Paint Hazards in Housing* (HUD Guidelines, June 1995) and OSHA 1926.62 requirements (Lead in Construction). The HUD guidelines are formulated to guide agencies in conducting random sampling of the interiors and exteriors of dwellings and common areas in public housing. The OSHA requirement is designed to minimize worker exposure when working with material containing lead.

The United States Environmental Protection Agency defines "lead-based paint" as a paint or other surface coating that contains lead equal to or in excess of 1.0 milligrams per square centimeter when analyzed by XRF or more than 0.5% by weight (5000 parts per million) by laboratory analysis of a bulk sample.

Minnesota Department of Labor and Industry (MN OSHA) adopted the EPA lead levels for the purpose of enforcing OSHA 1926.62 federal regulations. Detection of lead in dried paint film by XRF is a dependable indicator of levels of lead and is accepted by MN OSHA.

No samples were collected from this school for laboratory analysis.

For this Saint Paul Public Schools Lead Inspection, all building components were tested on site using a Niton XL® X-ray Fluorescence Spectrum Analyzer⁽¹⁾. Building components included walls, ceilings, floors, moldings, window and door components, door surfaces, and miscellaneous features such as shelves or bookcases. Only painted or glazed surfaces or surfaces which were varnished were tested. Suspended ceilings, structural steel, and corrugated decking were not included in the inspection. Neither anodized (e.g., window sashes) nor plastic (e.g., vinyl baseboard and vinyl mini-blinds) were included in the scope of this inspection.

⁽¹⁾ This is a portable hand held machine that can analyze building components instantly for lead concentrations.

Each building was divided into unique sites based on the year of construction or renovation. Portable classrooms, playgrounds, and other detached buildings were automatically designated as a unique site. Each site was inspected independently assuming differences in painting history and construction characteristics.

SITE DESCRIPTION AND BUILDING HISTORY

According to information provided to MEC by Saint Paul Public Schools, Saint Anthony Park Elementary was constructed in essentially three phases. The initial phase includes the 31,837 square-foot older section of the building and dates from 1954. The second phase is a 5,085 square foot addition dating from 1966. The third phase is a 29,188 square foot addition from 1974.

All room and area designations used in this report are depicted on sampling maps found in Appendix A.

XRF SAMPLE RESULTS TABLE

The results of all samples analyzed are listed in the table at the end of this section. The following is a description of the column headings:

Site	Each school is divided into sites based on their unique construction characteristics. Each site has a unique date of construction or major renovation.	
Sample #	Each sample taken was given a unique number to identify the type and location of the sample. The sampling date is an integral part of the sample number.	
Analysis	This defines the type of analysis which can be categorized into two types: 1) XRF: This is an on-site analysis using a hand held Niton XL® X-ray Fluorescence Spectrum Analyzer; 2) Bulk or Chip: This is a bulk sample where paint is removed from the substrate and sent to a laboratory for analysis;	
Floor	This is the level of the building in which the area tested was found, example, 1 (first floor), 0 (basement), etc.	
Area	This further defines the specific functional space inspected such as a classroom, exterior, playground, gym, kitchen, etc.	

- Room #** This is typically the actual number on the room as identified at the building.
- Component** Building "components" included walls, ceilings, floors, moldings, window and door components, door surfaces, and miscellaneous features such as shelves or bookcases.
- Feature** Identifies more detailed information of the component.
- Condition** This describes condition of the surface, whether it is intact, cracked, peeling, or chalking.
- Substrate** This refers to the material the building component is made of (wood, concrete, drywall, metal, etc.).
- Result** This is the analysis results for lead. Less than 1.0 mg/cm² or less than 0.5% by weight is considered to be non-lead and these building components are below the action levels of EPA and HUD. (All results are in mg/cm² except where noted.)

The table of results is designed for quick information on lead concentrations of tested building components. Generally, all repetitions of a test combination within a given room or area, may be assumed to contain similar concentrations of lead to that of the tested sample. For instance, the lead concentration of a tested wooden window sash was found to be above the action level of 1.0 mg/cm² in a given classroom. The classroom has five windows, all of wood, the same color and appearing to be of the same era. It can be assumed that the remaining four wooden window sashes each contain lead above the action limit.

Other columns identify the component and the component feature tested, condition of the component, type of substrate and the result of the analytical test.

As an example, the following illustration shows that the wooden door jamb in Room 123, first floor in the 1923 building section was in good, solid condition, and had an XRF test result of 0.3 mg/cm², which is below the action level.

Illustration Only

Site	Sample #	Date	Analysis	Floor	Area	Room #	Component	Feature	Condition	Substrate	Results
1923 Bldg.	52		XRF	1	Room	123	Door	Jamb	Solid	Wood	0.3

In a similar manner, the table shows that the plaster walls in room 23, on the second floor has peeling paint with more than 1.0 mg/cm² (shaded).

ILLUSTRATION ONLY

Site	Sample #	Date	Analysis	Floor	Area	Room #	Component	Feature	Condition	Substrate	Results
1910 Bldg.	16		XRF	2	Room	23	Door	Jamb	Peeling	Wood	0.25
1910 Bldg.	17		XRF	2	Room	23	Wall	Wall	Peeling	Plaster	1.2
1910 Bldg.	18		XRF	2	Room	23		Ceiling	Peeling	Plaster	0.25
1910 Bldg.	19		XRF	2	Room	23	Wall	Baseboard	Peeling	Wood	0.002

APPLICABLE REGULATIONS

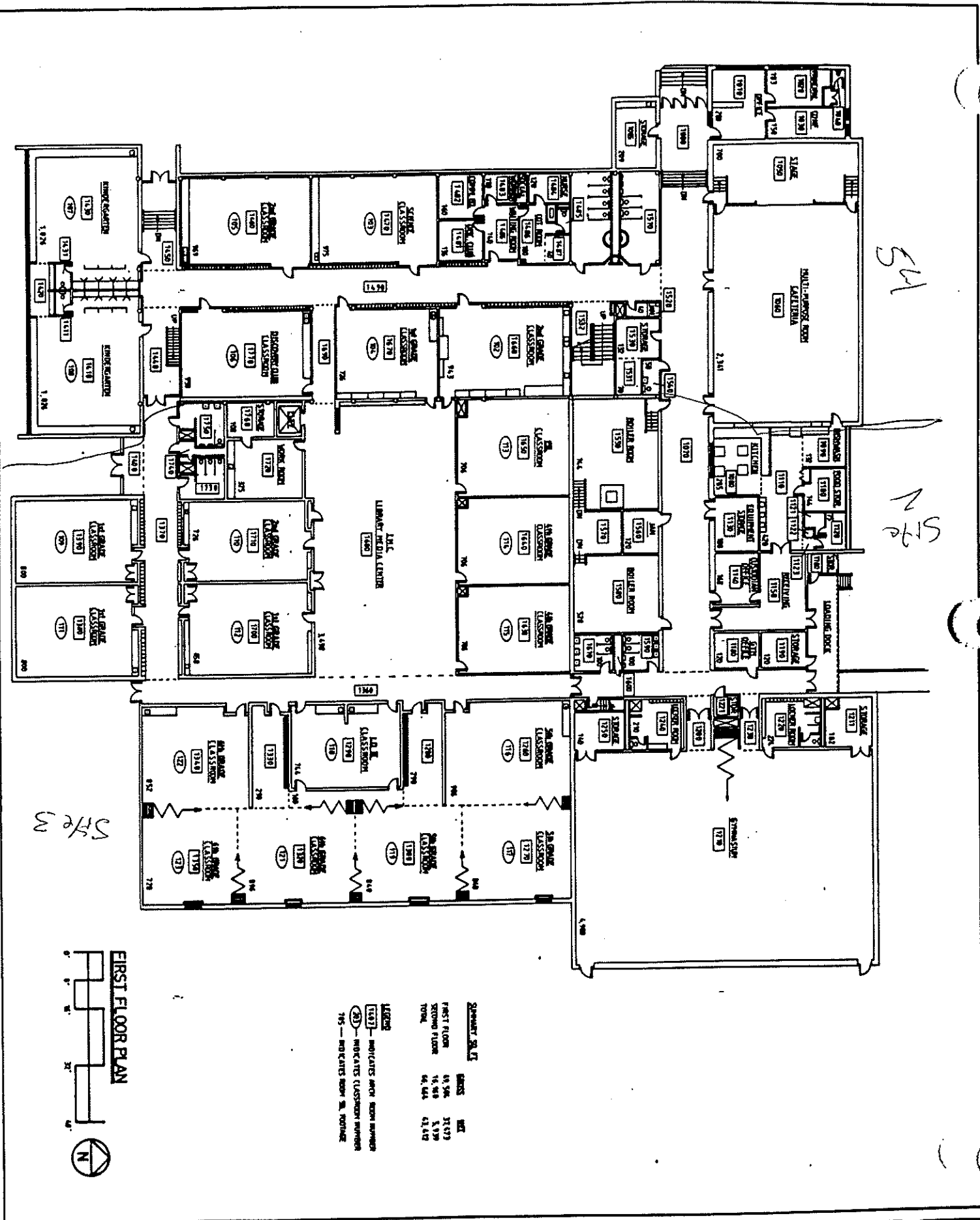
When building components test above 1.0 mg/cm² of lead by XRF or 0.5% lead by weight from laboratory analysis all employees and contractors who will be working with these components in a construction related activity must be notified. The requirements of OSHA 1926.62, Lead in Construction are enforceable. This regulation defines construction work as "work for construction, alteration and/or repair, including painting and decorating." This regulation further defines monitoring requirements to minimize employee exposure to lead during construction activities.

When work is performed on external painted building structures (i.e. flashing, fire escapes, playground equipment, handrails, etc.), regulations of the Minnesota Pollution Control Agency (MPCA) may also be applicable. For removal of lead based paint from steel structures, MN Rules 7025.0200 - 7025.0380 apply to steel materials on the exterior of a building, or on the property when levels exceed 0.5 mg/cm² based on the average of three XRF spectrum results of the sample tested, or 5,000 ppm by laboratory analysis. If it is other than a steel surface, then MPCA regulates the painted surfaces under MN Rules 7025.010 - 7025.0080, when surfaces are to be disturbed using abrasive blasting methods.

Please contact MEC directly if you have questions about any portion of this report or the lead-based paint inspection itself.

APPENDIX A

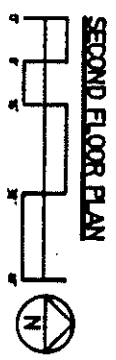
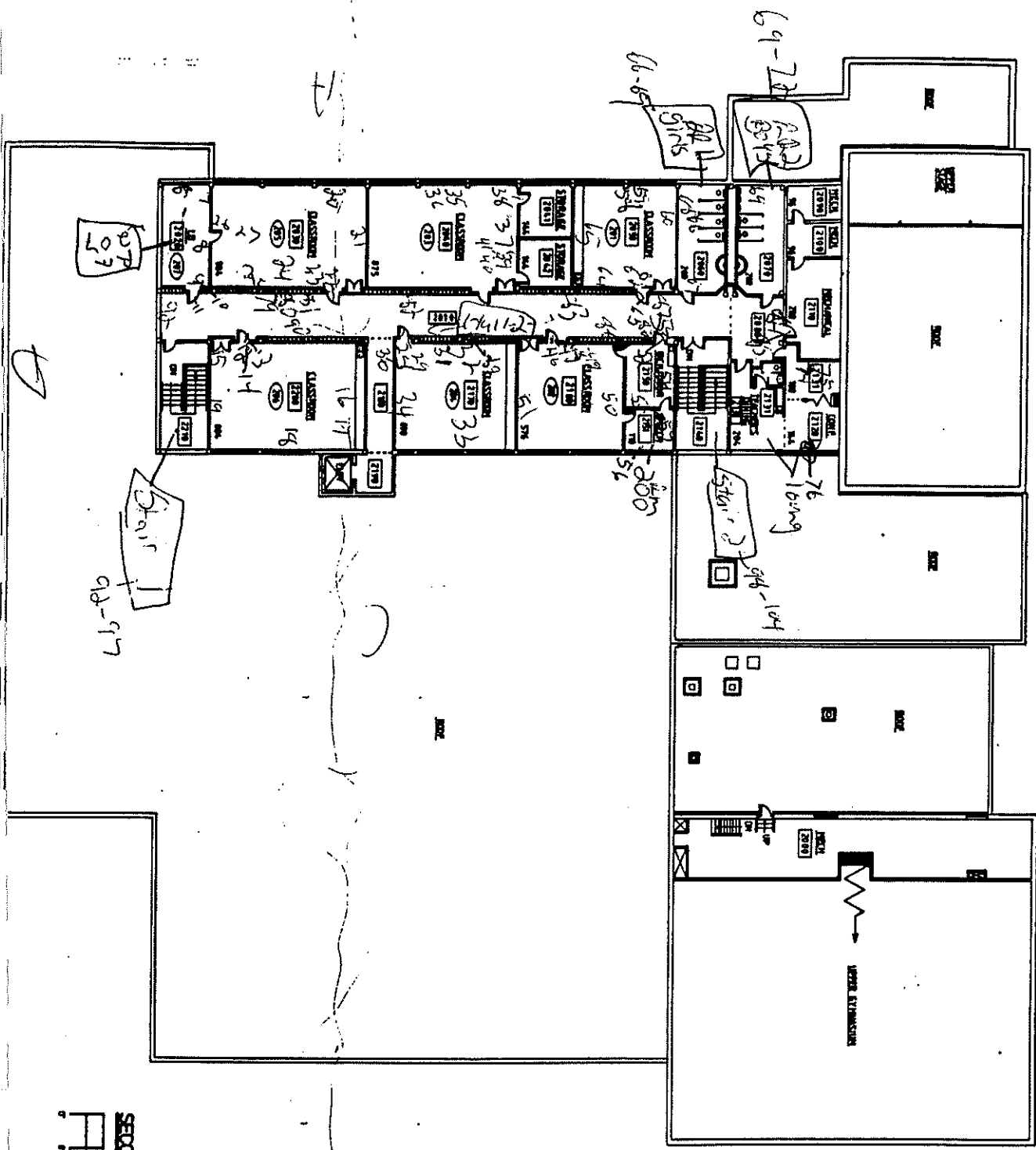
XRF TESTING DATA WITH LOCATION MAPS



INDEPENDENT SCHOOL DIST. *625
360 COLBORNE STREET
ST. PAUL, MINNESOTA 55102

ST. ANTHONY ELEMENTARY
LANGFORD PARK & KNAPP ST.
ST. PAUL, MN

CONSTRUCTED: 1954, 66, 74



SECOND FLOOR PLAN

INDEPENDENT SCHOOL DIST. *625
360 COLBORNE STREET
ST. PAUL, MINNESOTA 55102

ST. ANTHONY ELEMENTARY
LANGFORD PARK & KNAPP ST.
ST. PAUL, MN

CONSTRUCTED: 1954, 66, 74

SHEET
3
4

Saint Paul Public Schools
Saint Anthony Park Elementary
Lead-Based Paint Inspection

	A	B	C	D	E	F	G	H	I	J	K
1	Saint Anthony Park Elementary										
2											
3	Site	Sample#	Analysis	Date	Fir	Area	Component	Feature	Conditio	Substrate	Result
4	1954 Bldg.	131	XRF	11/19/97	1	Cafeteria-1	Wall	Midle Wall	Cracked	Plaster	0.16
5	1954 Bldg.	132	XRF	11/19/97	1	Cafeteria-1	Wall	Wall-Lwr	Solid	Concrte	0.13
6	1954 Bldg.	134	XRF	11/19/97	1	Classroom-1	Door	Door	Solid	Wood	0
7	1954 Bldg.	135	XRF	11/19/97	1	Classroom-1	Door	Casing-Rht	Solid	Metal	0.04
8	1954 Bldg.	133	XRF	11/19/97	1	Classroom-1	Floor		Solid	Wood	0
9	1954 Bldg.	136	XRF	11/19/97	1	Classroom-1	Stairs	Baseboard-I	Solid	Metal	0.32
10	1954 Bldg.	105	XRF	11/19/97	1	Hall-1	Door	Door	Solid	Metal	0.03
11	1954 Bldg.	106	XRF	11/19/97	1	Hall-1	Door	Casing-Lft	Solid	Metal	0.02
12	1954 Bldg.	113	XRF	11/19/97	1	Hall-1	Door	Door	Solid	Wood	0
13	1954 Bldg.	114	XRF	11/19/97	1	Hall-1	Door	Casing-Lft	Cracked	Metal	0.06
14	1954 Bldg.	115	XRF	11/19/97	1	Hall-1	Door	Door	Solid	Metal	0.02
15	1954 Bldg.	109	XRF	11/19/97	1	Hall-1	Wall	Wall-Upr	Solid	Plaster	0.69
16	1954 Bldg.	110	XRF	11/19/97	1	Hall-1	Wall	Wall-Upr	Solid	Plaster	0.6
17	1954 Bldg.	111	XRF	11/19/97	1	Hall-1	Wall	Wall-Upr	Solid	Plaster	0.83
18	1954 Bldg.	112	XRF	11/19/97	1	Hall-1	Wall	Wall-Upr	Solid	Plaster	0.68
19	1954 Bldg.	116	XRF	11/19/97	1	Hall-1	Wall	Wall-Upr	Solid	Plaster	0.15
20	1954 Bldg.	117	XRF	11/19/97	1	Hall-1	Wall	Wall-Upr	Solid	Plaster	0.36
21	1954 Bldg.	118	XRF	11/19/97	1	Hall-1	Wall	Wall-Upr	Solid	Plaster	0.09
22	1954 Bldg.	107	XRF	11/19/97	1	Hall-1		Radiator	Solid	Metal	0.02
23	1954 Bldg.	108	XRF	11/19/97	1	Hall-1		Locker	Solid	Metal	0.04
24	1954 Bldg.	85	XRF	11/19/97	1	Hall-2	Door	Door	Solid	Metal	0.07
25	1954 Bldg.	86	XRF	11/19/97	1	Hall-2	Door	Door	Solid	Wood	0
26	1954 Bldg.	87	XRF	11/19/97	1	Hall-2	Door	Casing-Lft	Solid	Metal	0
27	1954 Bldg.	79	XRF	11/19/97	1	Hall-2	Wall	Wall-Upr	Solid	Plaster	0.83
28	1954 Bldg.	80	XRF	11/19/97	1	Hall-2	Wall	Wall-Upr	Solid	Plaster	0.81
29	1954 Bldg.	82	XRF	11/19/97	1	Hall-2	Wall	Wall-Upr	Solid	Plaster	0.58
30	1954 Bldg.	83	XRF	11/19/97	1	Hall-2	Wall	Wall-Upr	Solid	Plaster	0.17
31	1954 Bldg.	88	XRF	11/19/97	1	Hall-2	Wall	Wall-Upr	Solid	Plaster	0.62
32	1954 Bldg.	89	XRF	11/19/97	1	Hall-2	Wall	Wall-Upr	Solid	Plaster	0.29
33	1954 Bldg.	90	XRF	11/19/97	1	Hall-2	Wall	Wall-Upr	Solid	Plaster	0.17
34	1954 Bldg.	81	XRF	11/19/97	1	Hall-2		Locker	Solid	Metal	0.03
35	1954 Bldg.	84	XRF	11/19/97	1	Hall-2		Radiator	Solid	Metal	0
36	1954 Bldg.	91	XRF	11/19/97	1	Hall-2		Radiator	Solid	Metal	0.04
37	1954 Bldg.	75	XRF	11/19/97	2	Lounge-1	Chalkboard	Rail	Solid	Wood	0
38	1954 Bldg.	77	XRF	11/19/97	2	Lounge-1	Door	Door	Solid	Wood	0
39	1954 Bldg.	78	XRF	11/19/97	2	Lounge-1	Door	Casing-Rht	Cracked	Metal	0.04
40	1954 Bldg.	74	XRF	11/19/97	2	Lounge-1	Wall	Wall-Lwr	Solid	Plaster	0.06
41	1954 Bldg.	76	XRF	11/19/97	2	Lounge-1		Radiator	Solid	Metal	0.08
42	1954 Bldg.	122	XRF	11/19/97	1	Main-1	Door	Casing-Rht	Solid	Metal	0.1
43	1954 Bldg.	123	XRF	11/19/97	1	Main-1	Door	Door	Solid	Wood	0
44	1954 Bldg.	121	XRF	11/19/97	1	Main-1	Wall	Wall-Lwr	Solid	Plaster	0.1
45	1954 Bldg.	124	XRF	11/19/97	1	Main-1	Wall	Wall-Upr	Solid	Plaster	0.23
46	1954 Bldg.	120	XRF	11/19/97	1	Main-1	Window	Mullion	Solid	Plaster	0
47	1954 Bldg.	119	XRF	11/19/97	1	Main-1		Radiator	Solid	Metal	0.04
48	1954 Bldg.	126	XRF	11/19/97	1	Other-1	Cabinet	Door-Out	Solid	Wood	0
49	1954 Bldg.	127	XRF	11/19/97	1	Other-1	Door	Casing-Lft	Solid	Metal	0.1
50	1954 Bldg.	128	XRF	11/19/97	1	Other-1	Door	Door	Solid	Wood	0
51	1954 Bldg.	125	XRF	11/19/97	1	Other-1	Wall	Midle Wall	Solid	Plaster	0.04
52	1954 Bldg.	129	XRF	11/19/97	1	Other-1	Wall	Wall-Lwr	Solid	Metal	0.03
53	1954 Bldg.	130	XRF	11/19/97	1	Other-1	Wall	Wall-Upr	Solid	Plaster	0.05
54	1954 Bldg.	66	XRF	11/19/97	2	Restroom-1	Door	Stall Door	Solid	Metal	0.09
55	1954 Bldg.	67	XRF	11/19/97	2	Restroom-1	Door	Casing-Rht	Cracked	Metal	0.01
56	1954 Bldg.	68	XRF	11/19/97	2	Restroom-1	Door	Door	Solid	Wood	0

Saint Paul Public Schools
Saint Anthony Park Elementary
Lead-Based Paint Inspection

	A	B	C	D	E	F	G	H	I	J	K
3	Site	Sample#	Analysis	Date	Fir	Area	Component	Feature	Conditio	Substrate	Result
57	1954 Bldg.	69	XRF	11/19/97	2	Restroom-1		Radiator	Solid	Metal	0.06
58	1954 Bldg.	72	XRF	11/19/97	2	Restroom-2	Door	Casing-Rht	Cracked	Metal	0.04
59	1954 Bldg.	73	XRF	11/19/97	2	Restroom-2	Door	Door	Solid	Wood	0
60	1954 Bldg.	71	XRF	11/19/97	2	Restroom-2	Wall	Bthrm Stil	Solid	Metal	0.01
61	1954 Bldg.	70	XRF	11/19/97	2	Restroom-2		Radiator	Solid	Metal	0.02
62	1954 Bldg.	233	XRF	11/20/97	1	Restroom-4	Door	Stall Door	Solid	Metal	0.04
63	1954 Bldg.	234	XRF	11/20/97	1	Restroom-4	Door	Casing-Rht	Solid	Metal	0.01
64	1954 Bldg.	235	XRF	11/20/97	1	Restroom-4	Door	Door	Solid	Wood	0
65	1954 Bldg.	232	XRF	11/20/97	1	Restroom-4	Wall	Wall-Up	Solid	Plaster	0.09
66	1954 Bldg.	236	XRF	11/20/97	1	Restroom-4		Radiator	Solid	Metal	0.22
67	1954 Bldg.	237	XRF	11/20/97	1	Restroom-5	Door	Stall Door	Solid	Metal	0.17
68	1954 Bldg.	238	XRF	11/20/97	1	Restroom-5	Door	Casing-Rht	Solid	Metal	0.02
69	1954 Bldg.	239	XRF	11/20/97	1	Restroom-5	Door	Door	Solid	Wood	0
70	1954 Bldg.	240	XRF	11/20/97	1	Restroom-6	Door	Stall Door	Solid	Metal	0.07
71	1954 Bldg.	241	XRF	11/20/97	1	Restroom-6	Door	Casing-Lft	Solid	Metal	0.03
72	1954 Bldg.	242	XRF	11/20/97	1	Restroom-6	Door	Door	Solid	Wood	0
73	1954 Bldg.	229	XRF	11/20/97	1	Restroom 3	Door	Casing-Lft	Solid	Metal	0.03
74	1954 Bldg.	230	XRF	11/20/97	1	Restroom 3	Door	Door	Solid	Wood	0
75	1954 Bldg.	231	XRF	11/20/97	1	Restroom 3	Door	Stall Door	Solid	Metal	0.05
76	1954 Bldg.	228	XRF	11/20/97	1	Restroom 3	Wall	Wall-Up	Solid	Plaster	0.11
77	1954 Bldg.	186	XRF	11/20/97	1	Room-101	Door	Casing-Lft	Solid	Metal	0
78	1954 Bldg.	187	XRF	11/20/97	1	Room-101	Door	Door	Solid	Wood	0
79	1954 Bldg.	184	XRF	11/20/97	1	Room-101	Wall	Wall-Lwr	Solid	Plaster	0.06
80	1954 Bldg.	185	XRF	11/20/97	1	Room-101	Wall	Midle Wall	Solid	Plaster	0
81	1954 Bldg.	183	XRF	11/20/97	1	Room-101		Radiator	Peeling	Metal	0.01
82	1954 Bldg.	190	XRF	11/20/97	1	Room-102	Cabinet	Door-Out	Solid	Wood	0
83	1954 Bldg.	193	XRF	11/20/97	1	Room-102	Chalkboard	Rail	Solid	Wood	0
84	1954 Bldg.	188	XRF	11/20/97	1	Room-102	Door	Door	Solid	Wood	0
85	1954 Bldg.	189	XRF	11/20/97	1	Room-102	Door	Casing-Rht	Peeling	Metal	0.04
86	1954 Bldg.	191	XRF	11/20/97	1	Room-102	Wall	Mural	Solid	Plaster	0.03
87	1954 Bldg.	192	XRF	11/20/97	1	Room-102	Wall	Wall-Lwr	Solid	Plaster	0.42
88	1954 Bldg.	194	XRF	11/20/97	1	Room-102	Wall	Wall-Up	Solid	Plaster	0.55
89	1954 Bldg.	182	XRF	11/20/97	1	Room-103	Cabinet	Door-Out	Solid	Wood	0
90	1954 Bldg.	179	XRF	11/20/97	1	Room-103	Chalkboard	Rail	Peeling	Wood	0
91	1954 Bldg.	180	XRF	11/20/97	1	Room-103	Door	Casing-Rht	Cracked	Metal	0.08
92	1954 Bldg.	181	XRF	11/20/97	1	Room-103	Door	Door	Solid	Wood	0
93	1954 Bldg.	177	XRF	11/20/97	1	Room-103	Floor	Fir Regstr	Solid	Metal	0.05
94	1954 Bldg.	178	XRF	11/20/97	1	Room-103	Wall	Wall-Lwr	Solid	Plaster	0.13
95	1954 Bldg.	203	XRF	11/20/97	1	Room-104	Cabinet	Door-Out	Solid	Wood	0
96	1954 Bldg.	201	XRF	11/20/97	1	Room-104	Chalkboard	Rail	Solid	Wood	0
97	1954 Bldg.	198	XRF	11/20/97	1	Room-104	Door	Casing-Rht	Solid	Metal	0.02
98	1954 Bldg.	199	XRF	11/20/97	1	Room-104	Door	Door	Solid	Wood	0
99	1954 Bldg.	200	XRF	11/20/97	1	Room-104	Wall	Midle Wall	Solid	Plaster	0.7
100	1954 Bldg.	202	XRF	11/20/97	1	Room-104	Wall	Mural	Solid	Plaster	0.68
101	1954 Bldg.	204	XRF	11/20/97	1	Room-104	Wall	Wall-Lwr	Solid	Plaster	0.01
102	1954 Bldg.	170	XRF	11/20/97	1	Room-105	Bookcase	Shelf	Solid	Wood	0
103	1954 Bldg.	173	XRF	11/20/97	1	Room-105	Chalkboard	Rail	Peeling	Wood	0
104	1954 Bldg.	175	XRF	11/20/97	1	Room-105	Door	Casing-Rht	Solid	Metal	0.04
105	1954 Bldg.	176	XRF	11/20/97	1	Room-105	Door	Door	Solid	Wood	0
106	1954 Bldg.	171	XRF	11/20/97	1	Room-105	Floor	Fir Regstr	Solid	Metal	0.02
107	1954 Bldg.	172	XRF	11/20/97	1	Room-105	Wall	Wall-Lwr	Solid	Plaster	0.2
108	1954 Bldg.	174	XRF	11/20/97	1	Room-105	Wall	Wall-Up	Solid	Plaster	0.1
109	1954 Bldg.	208	XRF	11/20/97	1	Room-106	Cabinet	Door-Out	Solid	Wood	0
110	1954 Bldg.	209	XRF	11/20/97	1	Room-106	Cabinet	Door-Out	Solid	Wood	0
111	1954 Bldg.	210	XRF	11/20/97	1	Room-106	Cabinet	Outside	Solid	Wood	1.36

Saint Paul Public Schools
Saint Anthony Park Elementary
Lead-Based Paint Inspection

	A	B	C	D	E	F	G	H	I	J	K
3	Site	Sample#	Analysis	Date	Fir	Area	Component	Feature	Conditio	Substrate	Result
112	1954 Bldg.	211	XRF	11/20/97	1	Room-106	Chalkboard	Rail	Peeling	Wood	0
113	1954 Bldg.	205	XRF	11/20/97	1	Room-106	Door	Casing-Lft	Cracked	Metal	0.02
114	1954 Bldg.	206	XRF	11/20/97	1	Room-106	Door	Door	Solid	Wood	0
115	1954 Bldg.	207	XRF	11/20/97	1	Room-106	Door	Door	Solid	Plaster	0.42
116	1954 Bldg.	147	XRF	11/20/97	1	Room-107	Cabinet	Door-Out	Solid	Wood	0
117	1954 Bldg.	150	XRF	11/20/97	1	Room-107	Door	Casing-Lft	Cracked	Metal	0.02
118	1954 Bldg.	151	XRF	11/20/97	1	Room-107	Door	Door	Solid	Wood	0
119	1954 Bldg.	154	XRF	11/20/97	1	Room-107	Floor	Fir Registr	Solid	Metal	0.02
120	1954 Bldg.	156	XRF	11/20/97	1	Room-107	Table		Peeling	Wood	0
121	1954 Bldg.	155	XRF	11/20/97	1	Room-107	Toy Ironing	Board	Peeling	Wood	0
122	1954 Bldg.	148	XRF	11/20/97	1	Room-107	Wall	Mural	Solid	Plaster	0.16
123	1954 Bldg.	149	XRF	11/20/97	1	Room-107	Wall	Midle Wall	Solid	Plaster	0.04
124	1954 Bldg.	152	XRF	11/20/97	1	Room-107	Wall	Mural	Solid	Plaster	0.03
125	1954 Bldg.	157	XRF	11/20/97	1	Room-107	Wall	Mural	Solid	Plaster	0.1
126	1954 Bldg.	153	XRF	11/20/97	1	Room-107		Radiator	Solid	Metal	0.08
127	1954 Bldg.	164	XRF	11/20/97	1	Room-108	Bulletin Boar	Casing	Peeling	Wood	1.31
128	1954 Bldg.	159	XRF	11/20/97	1	Room-108	Cabinet	Door-Out	Solid	Wood	0
129	1954 Bldg.	167	XRF	11/20/97	1	Room-108	Cabinet	Outside	Peeling	Wood	>>5.0
130	1954 Bldg.	168	XRF	11/20/97	1	Room-108	Cabinet	Door-Out	Peeling	Wood	0
131	1954 Bldg.	169	XRF	11/20/97	1	Room-108	Chair		Peeling	Wood	0
132	1954 Bldg.	165	XRF	11/20/97	1	Room-108	Chalkboard	Rail	Solid	Wood	0
133	1954 Bldg.	161	XRF	11/20/97	1	Room-108	Door	Casing-Rht	Solid	Metal	0.01
134	1954 Bldg.	162	XRF	11/20/97	1	Room-108	Door	Door	Solid	Wood	0
135	1954 Bldg.	166	XRF	11/20/97	1	Room-108	Floor	Fir Registr	Solid	Metal	0.02
136	1954 Bldg.	158	XRF	11/20/97	1	Room-108	Wall	Midle Wall	Solid	Plaster	0.09
137	1954 Bldg.	160	XRF	11/20/97	1	Room-108	Wall	Wall-Up	Solid	Plaster	0.08
138	1954 Bldg.	163	XRF	11/20/97	1	Room-108	Wall	Mural	Solid	Plaster	0.05
139	1954 Bldg.	52	XRF	11/19/97	2	Room-200	Door	Door	Solid	Wood	0
140	1954 Bldg.	53	XRF	11/19/97	2	Room-200	Door	Casing-Lft	Solid	Metal	0
141	1954 Bldg.	56	XRF	11/19/97	2	Room-200	Floor	Fir Registr	Peeling	Metal	0.02
142	1954 Bldg.	54	XRF	11/19/97	2	Room-200	Wall	Wall-Lwr	Solid	Plaster	0.01
143	1954 Bldg.	55	XRF	11/19/97	2	Room-200	Wall	Wall-Up	Solid	Plaster	0.01
144	1954 Bldg.	57	XRF	11/19/97	2	Room-200	Wall	Mural	Solid	Plaster	0.01
145	1954 Bldg.	59	XRF	11/19/97	2	Room-201	Bookcase	Shelf	Solid	Wood	0
146	1954 Bldg.	64	XRF	11/19/97	2	Room-201	Chalkboard	Rail	Solid	Wood	0
147	1954 Bldg.	62	XRF	11/19/97	2	Room-201	Door	Casing-Lft	Cracked	Metal	0.02
148	1954 Bldg.	63	XRF	11/19/97	2	Room-201	Door	Door	Solid	Wood	0.01
149	1954 Bldg.	58	XRF	11/19/97	2	Room-201	Floor	Fir Registr	Peeling	Metal	0.03
150	1954 Bldg.	60	XRF	11/19/97	2	Room-201	Wall	Wall-Lwr	Solid	Plaster	0.17
151	1954 Bldg.	61	XRF	11/19/97	2	Room-201	Wall	Midle Wall	Solid	Plaster	0.23
152	1954 Bldg.	65	XRF	11/19/97	2	Room-201	Wall	Wall-Lwr	Solid	Plaster	0.09
153	1954 Bldg.	48	XRF	11/19/97	2	Room-202	Cabinet	Door-Out	Solid	Wood	0
154	1954 Bldg.	49	XRF	11/19/97	2	Room-202	Chalkboard	Rail	Solid	Wood	0
155	1954 Bldg.	46	XRF	11/19/97	2	Room-202	Door	Door	Solid	Wood	0
156	1954 Bldg.	47	XRF	11/19/97	2	Room-202	Door	Casing-Rht	Cracked	Metal	0.09
157	1954 Bldg.	50	XRF	11/19/97	2	Room-202	Wall	Midle Wall	Solid	Plaster	0
158	1954 Bldg.	51	XRF	11/19/97	2	Room-202	Wall	Wall-Up	Solid	Plaster	0.15
159	1954 Bldg.	35	XRF	11/19/97	2	Room-203	Bookcase	Shelf	Solid	Wood	0
160	1954 Bldg.	41	XRF	11/19/97	2	Room-203	Chair	Wall	Peeling	Wood	0
161	1954 Bldg.	39	XRF	11/19/97	2	Room-203	Chalkboard	Rail	Solid	Wood	0
162	1954 Bldg.	38	XRF	11/19/97	2	Room-203	Door	Door	Solid	Wood	0
163	1954 Bldg.	42	XRF	11/19/97	2	Room-203	Door	Casing-Lft	Solid	Metal	0.09
164	1954 Bldg.	36	XRF	11/19/97	2	Room-203	Floor	Fir Registr	Peeling	Metal	0.02
165	1954 Bldg.	37	XRF	11/19/97	2	Room-203	Wall	Wall-Up	Solid	Plaster	0.18
166	1954 Bldg.	40	XRF	11/19/97	2	Room-203	Wall	Wall-Lwr	Solid	Plaster	0.17

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3	Site	Sample#	Analysis	Date	Fir	Area	Component	Feature	Conditio	Substrate	Result
167	1954 Bldg.	33	XRF	11/19/97	2	Room-204	Bookcase	Shelf	Solid	Wood	0
168	1954 Bldg.	31	XRF	11/19/97	2	Room-204	Chalkboard	Rail	Solid	Wood	0
169	1954 Bldg.	28	XRF	11/19/97	2	Room-204	Door	Door	Solid	Wood	0
170	1954 Bldg.	29	XRF	11/19/97	2	Room-204	Door	Casing-Rht	Solid	Metal	0.01
171	1954 Bldg.	30	XRF	11/19/97	2	Room-204	Wall	Midle Wall	Cracked	Plaster	0.02
172	1954 Bldg.	32	XRF	11/19/97	2	Room-204	Wall	Mural	Solid	Plaster	0.12
173	1954 Bldg.	34	XRF	11/19/97	2	Room-204	Wall	Wall-Lwr	Solid	Plaster	0.02
174	1954 Bldg.	20	XRF	11/19/97	2	Room-205	Bookcase	Shelf	Solid	Wood	0
175	1954 Bldg.	27	XRF	11/19/97	2	Room-205	Cabinet	Outside	Peeling	Metal	0.12
176	1954 Bldg.	25	XRF	11/19/97	2	Room-205	Chalkboard	Rail	Solid	Wood	0
177	1954 Bldg.	22	XRF	11/19/97	2	Room-205	Door	Door	Solid	Wood	0
178	1954 Bldg.	23	XRF	11/19/97	2	Room-205	Door	Casing-Rht	Solid	Metal	0.01
179	1954 Bldg.	24	XRF	11/19/97	2	Room-205	Stool		Peeling	Wood	0.55
180	1954 Bldg.	21	XRF	11/19/97	2	Room-205	Wall	Wall-Uprr	Solid	Plaster	0.18
181	1954 Bldg.	26	XRF	11/19/97	2	Room-205	Wall	Midle Wall	Solid	Plaster	0.01
182	1954 Bldg.	15	XRF	11/19/97	2	Room-206	Cabinet	Door-Out	Solid	Wood	0
183	1954 Bldg.	19	XRF	11/19/97	2	Room-206	Chalkboard	Rail	Peeling	Wood	0
184	1954 Bldg.	12	XRF	11/19/97	2	Room-206	Door	Door	Solid	Wood	0
185	1954 Bldg.	13	XRF	11/19/97	2	Room-206	Door	Casing-Rht	Solid	Metal	0
186	1954 Bldg.	14	XRF	11/19/97	2	Room-206	Wall	Midle Wall	Solid	Plaster	0.13
187	1954 Bldg.	16	XRF	11/19/97	2	Room-206	Wall	Wall-Uprr	Solid	Plaster	0.26
188	1954 Bldg.	18	XRF	11/19/97	2	Room-206	Wall	Midle Wall	Solid	Plaster	0.07
189	1954 Bldg.	17	XRF	11/19/97	2	Room-206		Elec Panel	Solid	Metal	0
190	1954 Bldg.	7	XRF	11/19/97	2	Room-207	Chalkboard	Rail	Solid	Wood	0
191	1954 Bldg.	9	XRF	11/19/97	2	Room-207	Door	Casing-Lft	Solid	Metal	0.04
192	1954 Bldg.	11	XRF	11/19/97	2	Room-207	Door	Door	Solid	Wood	0
193	1954 Bldg.	8	XRF	11/19/97	2	Room-207	Wall	Midle Wall	Solid	Plaster	0.13
194	1954 Bldg.	10	XRF	11/19/97	2	Room-207	Wall	Midle Wall	Solid	Plaster	0.17
195	1954 Bldg.	6	XRF	11/19/97	2	Room-207		Radiator	Solid	Metal	0.07
196	1954 Bldg.	92	XRF	11/19/97	1	Stairwell-1	Door	Door	Solid	Wood	0
197	1954 Bldg.	93	XRF	11/19/97	1	Stairwell-1	Door	Casing-Lft	Solid	Metal	0
198	1954 Bldg.	97	XRF	11/19/97	1	Stairwell-1	Mounting	Bracket	Solid	Metal	0.3
199	1954 Bldg.	95	XRF	11/19/97	1	Stairwell-1	Stairs	Baseboard-l	Solid	Metal	0.02
200	1954 Bldg.	96	XRF	11/19/97	1	Stairwell-1	Stairs	Hand rail	Solid	Wood	0
201	1954 Bldg.	94	XRF	11/19/97	1	Stairwell-1	Wall	Wall-Lwr	Solid	Plaster	0.38
202	1954 Bldg.	103	XRF	11/19/97	1	Stairwell-2	Door	Door	Solid	Wood	0
203	1954 Bldg.	104	XRF	11/19/97	1	Stairwell-2	Door	Casing-Lft	Solid	Metal	0
204	1954 Bldg.	100	XRF	11/19/97	1	Stairwell-2	Mounting	Bracket	Peeling	Metal	0.31
205	1954 Bldg.	98	XRF	11/19/97	1	Stairwell-2	Stairs	Hand rail	Solid	Wood	0
206	1954 Bldg.	99	XRF	11/19/97	1	Stairwell-2	Stairs	Baseboard-l	Peeling	Metal	0.05
207	1954 Bldg.	101	XRF	11/19/97	1	Stairwell-2	Wall	Wall-Lwr	Solid	Plaster	0.43
208	1954 Bldg.	102	XRF	11/19/97	1	Stairwell-2		Radiator	Solid	Metal	0.05
209	1966 Bldg.	47	XRF	11/21/97	1	Hall-3	Bench	Wall	Solid	Wood	0
210	1966 Bldg.	48	XRF	11/21/97	1	Hall-3	Door	Door	Peeling	Metal	0
211	1966 Bldg.	45	XRF	11/21/97	1	Hall-3	Wall	Wall-Uprr	Solid	Concrte	0
212	1966 Bldg.	46	XRF	11/21/97	1	Hall-3	Wall	Wall-Lwr	Solid	Concrte	0
213	1966 Bldg.	212	XRF	11/20/97	1	Library-1	Door	Door	Solid	Wood	0
214	1966 Bldg.	213	XRF	11/20/97	1	Library-1	Door	Casing-Lft	Solid	Metal	0.04
215	1966 Bldg.	214	XRF	11/20/97	1	Library-1	Wall	Wall-Lwr	Solid	Plaster	0
216	1966 Bldg.	23	XRF	11/21/97	1	Room-109	Cabinet	Door-Out	Solid	Wood	0
217	1966 Bldg.	24	XRF	11/21/97	1	Room-109	Door	Door	Solid	Wood	0.01
218	1966 Bldg.	25	XRF	11/21/97	1	Room-109	Door	Casing-Rht	Solid	Metal	0.05
219	1966 Bldg.	22	XRF	11/21/97	1	Room-109	Wall	Wall-Lwr	Solid	Concrte	0.03
220	1966 Bldg.	26	XRF	11/21/97	1	Room-109	Wall	Wall-Lwr	Solid	Concrte	0.03
221	1966 Bldg.	7	XRF	11/21/97	1	Room-110	Bookcase	Shelf	Solid	Wood	0

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3	Site	Sample#	Analysis	Date	Fir	Area	Component	Feature	Conditio	Substrate	Result
222	1966 Bldg.	11	XRF	11/21/97	1	Room-110	Chair		Peeling	Wood	0
223	1966 Bldg.	8	XRF	11/21/97	1	Room-110	Door	Door	Solid	Wood	0
224	1966 Bldg.	9	XRF	11/21/97	1	Room-110	Door	Casing-Lft	Solid	Metal	0
225	1966 Bldg.	6	XRF	11/21/97	1	Room-110	Wall	Midle Wall	Solid	Concrte	0.01
226	1966 Bldg.	10	XRF	11/21/97	1	Room-110	Wall	Wall-Lwr	Solid	Concrte	0.03
227	1966 Bldg.	18	XRF	11/21/97	1	Room-111	Cabinet	Door-Out	Solid	Wood	0.01
228	1966 Bldg.	19	XRF	11/21/97	1	Room-111	Door	Casing-Lft	Solid	Metal	0.04
229	1966 Bldg.	20	XRF	11/21/97	1	Room-111	Door	Door	Solid	Wood	0.01
230	1966 Bldg.	17	XRF	11/21/97	1	Room-111	Wall	Wall-Lwr	Solid	Concrte	0.04
231	1966 Bldg.	21	XRF	11/21/97	1	Room-111	Wall	Midle Wall	Solid	Concrte	0.02
232	1966 Bldg.	15	XRF	11/21/97	1	Room-112	Cabinet	Door-Out	Solid	Wood	0
233	1966 Bldg.	13	XRF	11/21/97	1	Room-112	Door	Door	Solid	Wood	0
234	1966 Bldg.	14	XRF	11/21/97	1	Room-112	Door	Casing-Rht	Solid	Metal	0.04
235	1966 Bldg.	12	XRF	11/21/97	1	Room-112	Wall	Wall-Lwr	Solid	Concrte	0.03
236	1966 Bldg.	16	XRF	11/21/97	1	Room-112	Wall	Wall-Lwr	Solid	Concrte	0.02
237	1966 Bldg.	218	XRF	11/20/97	1	Room-113	Wall	Mural	Solid	Plaster	0.01
238	1966 Bldg.	219	XRF	11/20/97	1	Room-113	Wall	Midle Wall	Solid	Wood	0.25
239	1966 Bldg.	220	XRF	11/20/97	1	Room-113	Wall	Midle Wall	Solid	Plaster	0
240	1966 Bldg.	222	XRF	11/20/97	1	Room-114	Door	Casing-Rht	Solid	Metal	0.07
241	1966 Bldg.	221	XRF	11/20/97	1	Room-114	Wall	Midle Wall	Solid	Metal	0.01
242	1966 Bldg.	223	XRF	11/20/97	1	Room-114	Wall	Midle Wall	Solid	Plaster	0
243	1966 Bldg.	225	XRF	11/20/97	1	Room-115	Door	Casing-Lft	Solid	Metal	0.11
244	1966 Bldg.	224	XRF	11/20/97	1	Room-115	Wall	Midle Wall	Solid	Metal	0
245	1966 Bldg.	226	XRF	11/20/97	1	Room-115	Wall	Midle Wall	Solid	Plaster	0.01
246	1966 Bldg.	227	XRF	11/20/97	1	Room-115	Wall	Midle Wall	Solid	Plaster	0
247	1966 Bldg.	216	XRF	11/20/97	1	Room-120	Door	Casing-Lft	Solid	Metal	0
248	1966 Bldg.	217	XRF	11/20/97	1	Room-120	Door	Door	Solid	Wood	0
249	1966 Bldg.	215	XRF	11/20/97	1	Room-120	Wall	Wall-Lwr	Solid	Plaster	0.03
250	1974 Bldg.	68	XRF	11/21/97	1	Gym-1	Door	Door	Solid	Metal	0
251	1974 Bldg.	69	XRF	11/21/97	1	Gym-1	Door	Casing-Lft	Solid	Metal	0
252	1974 Bldg.	65	XRF	11/21/97	1	Gym-1	Wall	Midle Wall	Solid	Concrte	0
253	1974 Bldg.	66	XRF	11/21/97	1	Gym-1	Wall	Midle Wall	Solid	Concrte	0.03
254	1974 Bldg.	67	XRF	11/21/97	1	Gym-1	Wall	Midle Wall	Solid	Concrte	0
255	1974 Bldg.	70	XRF	11/21/97	1	Gym-1	Wall	Mural	Solid	Concrte	0.03
256	1974 Bldg.	63	XRF	11/21/97	1	Hall-4	Door	Door	Cracked	Metal	0
257	1974 Bldg.	64	XRF	11/21/97	1	Hall-4	Door	Jamb-Lft	Cracked	Metal	0.06
258	1974 Bldg.	61	XRF	11/21/97	1	Hall-4	Wall	Wall-Lwr	Solid	Concrte	0
259	1974 Bldg.	62	XRF	11/21/97	1	Hall-4	Wall	Midle Wall	Solid	Concrte	0.01
260	1974 Bldg.	50	XRF	11/21/97	1	Restroom-7	Door	Casing-Rht	Solid	Metal	0.05
261	1974 Bldg.	51	XRF	11/21/97	1	Restroom-7	Door	Door	Solid	Wood	0
262	1974 Bldg.	49	XRF	11/21/97	1	Restroom-7	Wall	Bthrm Stil	Solid	Metal	0.26
263	1974 Bldg.	52	XRF	11/21/97	1	Restroom-7	Wall	Midle Wall	Solid	Concrte	0.02
264	1974 Bldg.	54	XRF	11/21/97	1	Restroom-7	Wall	Midle Wall	Solid	Concrte	0
265	1974 Bldg.	53	XRF	11/21/97	1	Restroom-7		Radiator	Solid	Metal	0
266	1974 Bldg.	56	XRF	11/21/97	1	Restroom-8	Door	Stall Door	Solid	Metal	0.49
267	1974 Bldg.	59	XRF	11/21/97	1	Restroom-8	Door	Door	Solid	Wood	0
268	1974 Bldg.	60	XRF	11/21/97	1	Restroom-8	Door	Casing-Lft	Solid	Metal	0
269	1974 Bldg.	55	XRF	11/21/97	1	Restroom-8	Wall	Midle Wall	Solid	Concrte	0
270	1974 Bldg.	57	XRF	11/21/97	1	Restroom-8	Wall	Midle Wall	Solid	Concrte	0
271	1974 Bldg.	58	XRF	11/21/97	1	Restroom-8		Radiator	Solid	Metal	0
272	1974 Bldg.	43	XRF	11/21/97	1	Room-0	Wall	Midle Wall	Solid	Drywall	0
273	1974 Bldg.	44	XRF	11/21/97	1	Room-0	Wall	Midle Wall	Solid	Metal	0
274	1974 Bldg.	42	XRF	11/21/97	1	Room-0	Window	Casing-Rht	Solid	Metal	0
275	1974 Bldg.	41	XRF	11/21/97	1	Room-116	Door	Casing-Rht	Solid	Metal	0.04
276	1974 Bldg.	40	XRF	11/21/97	1	Room-116	Wall	Mural	Solid	Plaster	0

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3	Site	Sample#	Analysis	Date	Fir	Area	Component	Feature	Conditio	Substrate	Result
277	1974 Bldg.	39	XRF	11/21/97	1	Room-117	Wall	Wall-Lwr	Solid	Concrte	0
278	1974 Bldg.	36	XRF	11/21/97	1	Room-119	Door	Casing-Rht	Solid	Metal	0.11
279	1974 Bldg.	37	XRF	11/21/97	1	Room-119	Wall	Mural	Solid	Plaster	0
280	1974 Bldg.	38	XRF	11/21/97	1	Room-119	Wall	Wall-Lwr	Solid	Concrte	0
281	1974 Bldg.	34	XRF	11/21/97	1	Room-121	Wall	Wall-Lwr	Solid	Concrte	0
282	1974 Bldg.	35	XRF	11/21/97	1	Room-121	Wall	Midle Wall	Solid	Metal	0
283	1974 Bldg.	29	XRF	11/21/97	1	Room-122	Door	Casing-Lft	Solid	Metal	0.03
284	1974 Bldg.	27	XRF	11/21/97	1	Room-122	Wall	Mural	Solid	Plaster	0
285	1974 Bldg.	28	XRF	11/21/97	1	Room-122	Wall	Wall-Lwr	Solid	Concrte	0
286	1974 Bldg.	30	XRF	11/21/97	1	Room-122	Wall	Wall-Up	Solid	Drywall	0.02
287	1974 Bldg.	31	XRF	11/21/97	1	Room-123	Wall	Wall-Up	Solid	Concrte	0
288	1974 Bldg.	32	XRF	11/21/97	1	Room-123	Wall	Midle Wall	Solid	Metal	0
289	1974 Bldg.	33	XRF	11/21/97	1	Room-123	Wall	Wall-Lwr	Solid	Concrte	0.01

APPENDIX B INSPECTOR

Bob Hargrove
MDH Lead Inspector # 416