



February 21, 2013

Mr. Terry McKee  
Knoxville's Community Development Corporation  
Purchasing Division  
901 North Broadway  
Knoxville, Tennessee 37917

Re: Limited Lead-Based Paint Inspection Report  
Western Heights Apartments, 1621 Jourolman Avenue, Knoxville, TN 37921

Dear Mr. McKee:

Enclosed please find the Limited Lead-Based Paint Inspection Report for the Western Heights Apartments, located at 1621 Jourolman Avenue in Knoxville, Tennessee. The work was performed in support of planned mechanical upgrades to bathrooms, kitchens, and living rooms. Inspection protocol was performed in general accordance with Chapter 7 of the 1995 U.S. Department of Housing and Urban Development (HUD), *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing, 1997 revision*, U.S. Environmental Protection Agency (EPA) 40 CFR part 745. If you have any comments, questions, or need additional copies, please feel free to contact Terry Davis or me at 689-1395.

Sincerely,

A handwritten signature in blue ink that reads 'Jessica Lindbom'.

*JL* Jessica Lindbom  
Tennessee Certified Lead-Based Paint Inspector  
License No. TNLBP2010-2277-3278-I

c: QE<sup>2</sup> File 501040

# **LIMITED LEAD-BASED PAINT INSPECTION REPORT**

*for:*

**Western Heights Apartments  
1621 Jourlman Avenue  
Knoxville, Tennessee 37921**

*Prepared for:*

**Mr. Terry McKee  
Knoxville's Community Development Corporation  
901 North Broadway  
Knoxville, Tennessee 37917**

*Prepared by:*

**Quantum Environmental & Engineering Services, LLC  
126 Dante Road  
Knoxville, Tennessee 37918  
QE<sup>2</sup> Project No. 501040**

**February 21, 2013**





## **LIMITED LEAD-BASED PAINT INSPECTION REPORT**

**WESTERN HEIGHTS APARTMENTS  
1621 JOUROLMAN AVENUE  
KNOXVILLE, TENNESSEE**

## TABLE OF CONTENTS

ACRONYMS.....	ii
EXECUTIVE SUMMARY .....	iii
1.0 INTRODUCTION.....	1
1.1 Objectives and Scope .....	1
1.2 Building Descriptions.....	1
2.0 LEAD-BASED PAINT SURVEY .....	2
2.1 Regulatory Framework.....	2
2.2 Survey Methodology and Assessment Protocol .....	4
2.3 Lead-Based Paint Measurement Results .....	5
3.0 CONCLUSIONS AND RECOMMENDATIONS.....	6
4.0 DISCLAIMER .....	7

## APPENDICES

Appendix A. XRF Field Data Collection Forms

## ACRONYMS

AL	Action Limit
CFR	Code of Federal Regulations
DOT	United States Department of Transportation
DSHWM	State of Tennessee Division of Solid and Hazardous Waste Management
EPA	United States Environmental Protection Agency
HSWA	Hazardous and Solid Waste Amendments
HUD	United States Department of Housing and Urban Development
KCDC	Knoxville's Community Development Corporation
LBP	Lead-Based Paint
mg/cm <sup>2</sup>	milligrams per square centimeter
mg/L	milligrams per liter
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
ppm	parts per million
QE <sup>2</sup>	Quantum Environmental & Engineering Services, LLC
RCRA	Resource Conservation and Recovery Act
TCLP	Toxicity Characteristic Leaching Procedure
TDEC	Tennessee Department of Environment and Conservation
TDOT	Tennessee Department of Transportation
TOSHA	Tennessee Occupational Safety and Health Administration
TWA	Time Weighted Average
XRF	X-ray Fluorescence

## EXECUTIVE SUMMARY

Quantum Environmental & Engineering Services, LLC (QE<sup>2</sup>) conducted a limited lead-based paint (LBP) inspection at selected locations inside dwelling units at the Western Heights Apartments located at 1621 Jourolman Avenue in Knoxville, Tennessee. The fieldwork was performed on February 18 through 20, 2013, at the request of Mr. Robert Coggins of Knoxville's Community Development Corporation (KCDC). The inspection was performed and the report was prepared in support of planned mechanical upgrades in bathrooms, kitchens, and living rooms. Inspection protocol was determined in general accordance with Chapter 7 of the 1995 U.S. Department of Housing and Urban Development (HUD) ***Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing, 1997 revision***, U.S. Environmental Protection Agency (EPA) 40 CFR part 745.

The principal objective of the investigation was to determine whether LBP is present in areas where the installation of exhaust fans and air conditioners are planned in the existing dwelling units. The site includes two distinct phases of construction. A total of 244 existing units were constructed in the 1930's, and 191 existing units were constructed in the 1950's. The complex owners, managers, maintenance staff, and renovation and repair contractors may use the information reported in this report to ensure the environmentally compliant handling and/or disposal of all lead-containing materials, in accordance with all local, state, and federal regulations.

QE<sup>2</sup> determined the number of units to test for each phase of construction based on HUD guidelines. A total 52 of the older units and 49 of the newer units were tested. A surface assessment of the potentially impacted building components was performed in the field using a portable x-ray fluorescence (XRF) instrument. Lead was detected at 126 of the 529 total measurement locations. Of those, only eleven of the test locations (in eight individual units) indicated values exceeding the Tennessee Department of Environment and Conservation (TDEC)/Environmental Protection Agency (EPA)/HUD standard for classification as LBP ( $\geq 1.0$  mg/cm<sup>2</sup> by XRF).

Based on the test results, all of the air conditioner installation locations and kitchen exhaust fan locations tested were negative for LBP. According to the HUD guidelines used to select the number of units tested, the testing provides a 95% confidence that less than 5% of the units might contain LBP, which qualifies the specific test locations as LBP free according to EPA and HUD exemptions. Surfaces testing  $>1.0$  mg/cm<sup>2</sup> by XRF were found only on the soffit, wall trim, wall, or ceiling in the bathrooms of eight of the 1930's era units. No positive test results were noted in the newer structures. Approximately 15% (8 units out of fifty-two tested) of the bathrooms in the older structures had potentially impacted LBP. If these statistics are consistent throughout the remainder of the old units in the complex, approximately 25 to 30 additional units are likely to contain LBP in bathrooms. The expected total overall (including the ones already

tested) would be approximately 35 to 40 of the 244 total older units. KCDC may choose to assume that all of the remaining untested older units (192 of them) have LBP in the potentially impacted bathrooms, or test the remaining 192 older units to limit the positive results to specific units (estimated 35 to 40 units).

Under the EPA's Renovation, Repair, and Painting (RRP) Rule, contractors performing renovation, repair and painting projects that disturb LBP in homes, multi-family complexes, child care facilities, and schools built before 1978 must be certified and must follow specific work practices to prevent lead contamination and occupant exposure, including containing lead dust and debris, and testing potential waste. Some painted surfaces contain levels of lead less than  $1.0 \text{ mg/cm}^2$ , which could create lead dust hazards to workers if the paint is turned into dust by abrasion, grinding, scraping, or sanding. Occupational Safety and Health Administration (OSHA) standards apply to protect worker health if lead is present at any concentration.

## **1.0 INTRODUCTION**

Quantum Environmental & Engineering Services, LLC (QE<sup>2</sup>) conducted a limited lead-based paint (LBP) inspection at selected locations inside dwelling units at the Western Heights Apartments located at 1621 Jourolman Avenue in Knoxville, Tennessee. The fieldwork was performed on February 18 through 20, 2013, at the request of Mr. Robert Coggins of Knoxville's Community Development Corporation (KCDC). The inspection was performed and the report was prepared in support of planned mechanical upgrades in bathrooms, kitchens, and living rooms. Inspection protocol was determined in general accordance with Chapter 7 of the 1995 U.S. Department of Housing and Urban Development (HUD) *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing, 1997 revision*, U.S. Environmental Protection Agency (EPA) 40 CFR part 745, and Title X of the 1992 Housing and Community Development Act. The inspection was conducted by Ms. Judith Vojik and Ms. Jessica Lindbom of QE<sup>2</sup>. Ms. Vojik and Ms. Lindbom are Tennessee Certified LBP Inspectors (license numbers TNLBP2010-2315-3466I and TNLBP2010-2277-3278-I, respectively). The survey was performed and the report was prepared in accordance with the Purchase Order No. 75356-9452, dated February 12, 2013.

### **1.1 Objectives and Scope**

The principal objective of the investigation was to determine whether LBP is present in areas where the installation of exhaust fans and air conditioners are planned in the existing dwelling units. Testing was conducted in living rooms, kitchens, bathrooms containing a shower, and in a non-street facing bedroom of two-bedroom and larger units.

The scope of work for this project included conducting a surface assessment of building components in the field using a portable x-ray fluorescence (XRF) instrument, and the preparation of this Limited Lead-Based Paint Inspection Report. The complex owners, managers, maintenance staff, and renovation and repair contractors may use the information in this report to ensure the environmentally compliant handling and/or disposal of all lead-containing materials, in accordance with all local, state, and federal regulations.

### **1.2 Building Descriptions**

Construction details of the buildings are relevant in terms of planning for renovation, and for the identification or removal of potential environmental issues. Details primarily relevant to environmental issues are addressed in the following subsections. The building descriptions are based on visual observations made during the site surveys and information obtained from construction drawings provided by the owner. The site includes two distinct phases of construction. A total of 244 existing units were constructed in the 1930's, and 191 existing units were constructed in the 1950's.

The Western Heights Apartments are located in a residential area of Knoxville within the boundaries of Vermont and Virginia Avenues to the north, McSpadden Street to the east, and Jourolman Avenue and W. Scott Street to the south. The apartment complex is located on approximately 58.75 acres, and is on rolling hills. The site has been utilized as a multi-family low income housing project since construction of the original 1939 portion of the site, which was expanded in the 1950's to include the area to the north and east. The complex contains approximately 435 apartment units and is improved with paved access roads and parking areas.

The 1939 apartment buildings are one and two-story concrete and brick buildings with sloping asphalt-shingle roofs. The interior walls are constructed of terra cotta tiles, concrete, and plaster with concrete and plaster ceilings. The doorways, windows and walls are trimmed in painted wood or concrete and the floors are finished with vinyl floor tile and linoleum. Some bathrooms have painted concrete, drywall, or fiberboard covered soffits. The kitchens have composite wood cabinetry mounted under painted drywall soffits.

The 1950's apartment buildings are one and two-story brick, block, and painted concrete buildings with sloping asphalt-shingle roofs and painted wood soffits. The interior walls are painted gypsum wallboard, drywall, and plaster. The doorways are trimmed in painted wood and the floors are finished with vinyl floor tile and linoleum. The kitchens have composite wood cabinetry.

## **2.0 LEAD-BASED PAINT SURVEY**

Based on the date of original constructions and long history of potential renovations at Western Heights Apartments, the presence of LBP was expected to be confirmed on some interior surfaces. The following subsections present background information on Federal and State regulations for lead-based and lead-containing paint, particularly with regard to demolition and renovation; a review of the methodology used for paint analysis; and results of the LBP assessment and testing. XRF Field Data Collection Forms are provided in Appendix A.

### **2.1 Regulatory Framework**

Most of the regulations associated with LBP inspections and hazards are related to LBP in "target housing" and "child-occupied facilities" and are administered by the Environmental Protection Agency (EPA), Department of Housing and Urban Development (HUD), and the Tennessee Department of Environment and Conservation (TDEC), Division of Solid and Hazardous Waste Management (DSHWM) under the State's Lead-Based Paint Abatement Program. The TDEC/EPA/HUD standard for LBP indicates a positive result as any value  $\geq 5,000$  ppm total lead,  $\geq 1.0$  milligrams per square centimeter ( $\text{mg}/\text{cm}^2$ ) by XRF, or 0.5% by weight. Since 2009, lead-free paint has been defined as containing  $< 90$  ppm,  $< 0.01$   $\text{mg}/\text{cm}^2$  by XRF, or 0.009% by weight.

Under the EPA Renovation, Repair, and Painting (RRP) Rule, contractors performing renovation, repair and painting projects that disturb LBP in homes, multi-family complexes, child care facilities, and schools built before 1978 must be certified and must follow specific work practices to prevent lead contamination, exposure, and improper disposal. The use of firms and individuals certified with the State LBP Abatement Program may help to ensure that all appropriate State and Federal regulations associated with LBP.

The handling and disposal of materials containing LBP (e.g., LBP debris, paint chips, demolition debris, etc.) in Tennessee is regulated by the TDEC DSHWM. The state regulations mimic federal regulations under the Resource Conservation and Recovery Act (RCRA) and the Hazardous and Solid Waste Amendments (HSWA) to RCRA. In the absence of more strict state or local regulations regarding LBP, federal regulations apply to LBP disposal activities.

The DSHWM policy is generally consistent with federal policy and regulations for LBP disposal. The presumption is that LBP means that which contains lead at concentrations  $\geq 5,000$  ppm,  $\geq 1.0$  mg/cm<sup>2</sup> by XRF, or 0.5% by weight. If the coating/paint on the building components is not LBP ( $< 5,000$  ppm or  $< 1.0$  mg/cm<sup>2</sup> by XRF), any unwanted materials can be disposed in a construction and demolition (Class IV) landfill no matter the condition. Current State regulations/policy indicate that if LBP is adhered to demolition debris surfaces and not loose or peeling, the debris can be disposed in a Class I, II, III, or IV disposal facility, and LBP removal or testing is not required to determine hazardous leaching potential before disposal. Under current State and Federal regulations, analysis by Toxicity Characteristic Leaching Procedure (TCLP) is required to assess whether or not specific LBP materials (LBP dust and chips) are hazardous and whether those materials require handling and disposal as hazardous or special waste.

The determination for hazardous lead concentrations noted in the DSHWM policy involves the laboratory analysis of a representative sample of any LBP waste stream (for example, a composite sample representative of all materials to be disposed) for leachable lead according to the TCLP. The regulatory level for lead by TCLP analysis is 5.0 milligrams per liter (mg/L) or ppm, which is applied to the lead concentration in the liquid extracted during the TCLP process on the LBP waste and analyzed by the laboratory. TCLP results from LBP debris that are  $\geq 5.0$  mg/L or  $\geq 5.0$  ppm indicate that the waste is hazardous by toxicity, and that such debris must be disposed of as hazardous waste in accordance with State and Federal regulations.

Other LBP-related rules and regulations designed to protect workers and the environment are relevant to all demolition and/or renovation, and many maintenance activities. State and Federal regulations under the Occupational Safety and Health Administration (OSHA) and the Tennessee OSHA (TOSHA) regulate occupational exposure to lead during construction. Construction is

defined as work for construction, alteration, and/or repair, including painting and decorating. In terms of worker protection, OSHA does not recognize the LBP or lead dust standards used by TDEC/HUD/EPA for target housing and child-occupied facilities (where LBP is  $\geq 5,000$  ppm,  $\geq 1.0$  mg/cm<sup>2</sup> by XRF, or 0.5% by weight). OSHA considers lead detected at any concentration to be potentially hazardous to workers unless it can be demonstrated that those concentrations do not pose a hazard during work practices. In order to protect workers, OSHA established an action limit (AL) of 30 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) for an 8-hour, time-weighted average (TWA), and a permissible exposure limit (PEL) of 50  $\mu\text{g}/\text{m}^3$  (8-hour TWA) for worker exposure to lead aerosols. The PEL sets the maximum worker exposure to lead. The AL is the level at which an employer must begin certain compliance activities outlined in the standard. These standards are applicable if manual demolition of structures (e.g., walls), manual scraping, manual sanding, abrasive blasting, or use of a heat gun occurs where lead-containing coatings or paints are impacted.

## **2.2 Lead-Based Paint Survey Methodology and Sampling Protocol**

Due to the large number of units at the Western Heights complex, a representative sample of units from each of the two construction phases was chosen randomly for assessment. The site includes two distinct phases of construction. A total of 244 existing units were constructed in the 1930's, and 191 existing units were constructed in the 1950's. Based on Table 7-3 of the **1995 HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing, 1997 revision**, the number of inspected units was determined to be 52 in the older structures and 49 in the newer structures. A complete list of dwelling units was obtained from site representatives and a program to generate random numbers was utilized to determine testing locations.

The assessment of LBP at the site was performed by collecting XRF measurements at 529 representative locations in the 101 units. The inspection did not include a comprehensive surface-by-surface determination of LBP employing detailed inspection protocols such as those prescribed in the HUD Guidelines (1995/1997 revisions) for target housing and child-occupied facilities. The objective was to assess LBP at a representative number of locations to facilitate the planned renovations. The inspection also included identifying potentially impacted building components, and determining substrate, finish, color, and condition. Walls were identified by designating the wall with the interior entrance doorway from the previous room as Wall A and proceeding clockwise. Field Data Collection Forms for the LBP survey are provided in Appendix A.

A Thermo-Scientific XLp 300a (Serial Number 17812) XRF instrument was utilized during the survey. This specific instrument uses a Cadmium-109 radiation source dated December 15, 2007. Radiation safety procedures were followed as required by applicable Federal, State, and

local regulations. An XRF instrument detects the lead content of paint by exposing the painted building component to x-rays, or gamma radiation, which causes lead to emit x-rays with a characteristic frequency or energy. The instrument then measures the intensity of this radiation. The calibration of the XRF instrument was verified before beginning the inspection each day, at regular intervals (at least every four hours) during the survey, and at the completion of the workday. Calibration measurements were made using known standard paint strips provided with the instrument by the manufacturer. Field calibration records are provided within the original XRF Field Data Collection Forms provided in Appendix A.

### **2.3 Lead-Based Paint Measurement Results**

A total 52 of the older units and 49 of the newer units were tested. A surface assessment of the potentially impacted building components was performed in the field using a portable XRF instrument and lead was detected at 126 of the 529 total measurement locations. Of those, only eleven of the test locations indicated values exceeding the TDEC/EPA/HUD standard for classification as LBP ( $\geq 1.0 \text{ mg/cm}^2$  by XRF). Surfaces testing positive for LBP were found only on the soffit, wall trim, wall, or ceiling in the bathrooms of eight of the 1930's era units. Approximately 15% (8 units out of fifty-two tested) of the bathrooms in the older structures had potentially impacted LBP. No positive test results were noted in the newer structures.

All of the air conditioner installation locations and kitchen exhaust fan locations tested were negative for LBP. According to the HUD guidelines used to select the number of units tested, the testing provides a 95% confidence that less than 5% of the units might contain LBP, which qualifies the specific test locations as LBP free according to EPA and HUD exemptions. If these statistics are consistent throughout the remainder of the old units in the complex, approximately 25 to 30 additional units are likely to contain LBP in bathrooms. The expected total overall (including the ones already tested) would be approximately 35 to 40 of the 244 total older units. KCDC may choose to assume that all of the remaining untested older units (192 of them) have LBP in the potentially impacted bathrooms, or test the remaining 192 older units to limit the positive results to specific units (estimated 35 to 40 units).

Table 1 provides the locations where testing indicated LBP. XRF Field Data Collection Forms for the corresponding assay numbers are provided in Appendix A.

**Table 1 - 1939 Apartment Units  
Positive XRF Measurement Locations**

Assay #	Sample Description & Location	Lead Content (mg/cm <sup>2</sup> )
102	Bathroom soffit – Unit 42	1.6
122	Bathroom ceiling – Unit 59	1.4
127	Bathroom soffit – Unit 63	1.1
273	Bathroom wall trim – Unit 190	3.5
274	Bathroom wall – Unit 190	2.7
275	Bathroom ceiling – Unit 190	3.2
278	Bathroom wall trim – Unit 195	2.2
297	Bathroom wall trim – Unit 213	2.5
306	Bathroom wall trim – Unit 221	2.9
307	Bathroom ceiling – Unit 221	2.9
328	Bathroom wall trim – Unit 238	2.5

mg/cm<sup>2</sup> = milligrams per square centimeter

Note: Values exceeding the TDEC/HUD/EPA lead-based paint standard of 1.0 mg/cm<sup>2</sup>

### 3.0 CONCLUSIONS AND RECOMMENDATIONS

QE<sup>2</sup> determined the number of units to test for each phase of construction based on HUD guidelines. A total 52 of the older units and 49 of the newer units were tested. Lead was detected at 126 of the 529 total measurement locations. Of those, only eleven of the test locations (in eight individual units) indicated values exceeding the TDEC/EPA/HUD standard for classification as LBP (>1.0 mg/cm<sup>2</sup> by XRF).

Based on the test results, all of the air conditioner installation locations and kitchen exhaust fan locations tested were negative for LBP. According to the HUD guidelines used to select the number of units tested, the testing provides a 95% confidence that less than 5% of the units might contain LBP, which qualifies the specific test locations as free of LBP according to EPA and HUD exemptions. Surfaces testing >1.0 mg/cm<sup>2</sup> by XRF were found only on the soffit, wall trim, wall, or ceiling in the bathrooms of eight of the 1930's era units. No positive test results were noted in the newer structures. Approximately 15% (8 units out of fifty-two tested) of the bathrooms in the older structures had potentially impacted LBP. If these statistics are consistent throughout the remainder of the old units in the complex, approximately 25 to 30 additional units are likely to contain LBP in bathrooms. The expected total overall (including the ones already tested) would be approximately 35 to 40 of the 244 total older units. KCDC may choose to assume that all of the remaining untested older units (192 of them) have LBP in the potentially

impacted bathrooms, or test the remaining 192 older units to limit the positive results to specific units (estimated 35 to 40 units).

Under the EPA's RRP Rule, contractors performing renovation, repair and painting projects that disturb LBP in homes, multi-family complexes, child care facilities, and schools built before 1978 must be certified and must follow specific work practices to prevent lead contamination and occupant exposure, including containing lead dust and debris, and testing potential waste. Some painted surfaces contain levels of lead less than  $1.0 \text{ mg/cm}^2$ , which could create lead dust hazards to workers if the paint is turned into dust by abrasion, grinding, scraping, or sanding. OSHA standards apply to protect worker health if lead is present at any concentration. The OSHA standard is based on a time-weighted average of exposure to lead.

For those surfaces where the coating/paint on the building components is not LBP ( $<5,000 \text{ ppm}$  or  $<1.0 \text{ mg/cm}^2$  by XRF), any unwanted materials can be disposed in a construction and demolition (Class IV) landfill no matter the condition.

#### **4.0 DISCLAIMER**

The limited LBP survey reported herein is for the Western Heights Apartment complex site at 1621 Jourolman Avenue in Knoxville, Tennessee, and relies solely on conditions visually observed and readily accessible for sampling on February 18, 19, and 20, 2013. This report does not constitute an agreement to indemnify or insure any party against any liability of expense.

## **APPENDIX A**

### **XRF Field Data Collection Forms**


# XRF Field Data Collection Form

Facility Name/Address: Western Heights  
XRF Model/Ser#: Nilon XLP 300A/ SN # 17812

LBP Inspector(s): Judith Jovick, Jessica Lindbom

Date: 2/18/2013

OE<sup>2</sup> Project #: 501040  
Start Time/page: 8:10  
End Time/page: 9:02

XRF Assay #	Lead Conc. (mg/cm <sup>2</sup> )	>=1.0 mg/cm <sup>2</sup>	Room Equivalent	Room Number	Wall Number	Testing Component	Sub.	Finish	Color	Paint Cond.	Paint Det.	Unit No.
	0.0		Calibration			SEM 2570						
	0.01		"			"						
	0.0		"			"						
1	0.0		Unit 301-39 (UE)	1	B	wall	B	P	W	I		
2	0.06		"	↓	B	windows frame	W	"	"	"		
3	0.05		"	↓	B	windows frame		"	"	"		
4	0.0		Bathroom	2	E	soffit	D	"	"	"		
5	0.0		"	↓	"	ceiling	"					
6	0.0		"	↓	B	wall	"					
7	0.0		Kitchen	3	B	soffit	D	P	W	I		
8	0.02		Kitchen	"	C	wall	C	P	W	I		
9	0.0		Unit 304-03 (UE)	1	A	wall	D	"	"	"		
10	0.0		Kitchen	2	B	wall above sink	D	"	"	"		
11	0.0		"	"	C	wall	D	"	"	"		
12	0.01		1/2 bedroom	4	B	wall	"	"	"	"		
13	0.01		1/2 bath	3	E	ceiling	"	"	"	"		
14	0.0		"	"	C	wall	"	"	"	"		
15	0.0		304-300 (UE)	1	B	"	"	"	"	"		
16	0.0		Bathroom	4	E	ceiling	"	"	"	"		
17	0.03		"	"	C	wall	"	"	"	"		
18	0.0		Kitchen	B	B	wall	"	"	"	"		
19	0.0		"	"	C	"	"	"	"	"		
<div>  </div>												
Comments:							Sub. = Substrate: Plaster (P), Wood (W), Metal (M), Drywall (D), Brick (B), Concrete (C) Finish = Paint (P), Varnish (V), Stained (S), Wallpaper (W) Paint Cond = Paint Condition: Intact (I), Fair (F), Poor (P)			Paint Det. = Paint Deterioration: Chalking (CA), Mildew (M), Cracking (CE), Cracking/Flaking (CF), Alligatoring (A), Blistering (B), Scaling/Flaking (SF), Peeling (P), Chipping (CP)		

# XRF Field Data Collection Form

Facility Name/Address: Western Heights  
XRF Model/Ser#: Nilon XLo 300A/ SN # 17812


LBP Inspector(s): Judith Jovick, Jessica Lindholm

Date: 2/18-19/2013

OE<sup>2</sup> Project #: 501040

Start Time/page: 9:12

End Time/page: 9:52

XRF Assay #	Lead Conc. (mg/cm <sup>2</sup> )	>>1.0 mg/cm <sup>2</sup>	Room Equivalent	Room Number	Wall Number	Testing Component	Sub.	Finish	Color	Paint Cond.	Paint Det.	Unit No.
20	0.0		301-01 (UR)	1	A	wall	D	P	W	I		
21	0.0		Kitchen	2	D	soffit box	"					
22	0.0		"	"	C	exterior wall	SP					
23	0.0		Bathroom	3	E	ceiling	SP					
24	0.0		"		C		CP					
25	0.0		Bedroom	4	C	wall						
26	0.0		301-08 (UR)	1	A	wall						
27	0.0		Kitchen	2	D	wall above cabinets	D					
28	0.06		"	"	C	wall trim	C					
29	0.06		Bathroom 1/2	6	E	ceiling	C					
30	0.0		↓	↓	C	wall	SP					
31	0.14			↓	C	wall trim	SP					
32	0.0		Bedroom	5	D	wall	C					
33	0.0		301-09	1	A	wall	C					
34	0.0		Kitchen	2	B	wall above cab.	D					
35	0.0		"	"	C	wall trim	C					
36	0.09		1/2 bath	3	E	ceiling	C					
37	0.07		↓	"	C	wall	D					
38	0.0			"	C	wall trim	C					
39	0.0		1/2 bedroom	4	B	wall	C					
40	0.0		301-13 (UR)	1	B	wall	C					
41	0.03		Bathroom	2	E	ceiling	C					
<div>  <p>Sub. = Substrate: Plaster (P), Wood (W), Metal (M), Drywall (D), Brick (B), Concrete (C) Finish = Paint (P), Varnish (V), Stained (S), Wallpaper (W) Paint Cond. = Paint Condition: Intact (I), Fair (F), Poor (P)</p> <p>Paint Det. = Paint Deterioration: Chalking (CA), Mildew (M), Checking (CE), Cracking/Flaking (CF), Alligatoring (A), Blistering (B), Scaling/Flaking (SF), Peeling (P), Chipping (CP)</p> </div>												
<div> <p>Comments:</p> <p>Page 2 of 2</p> </div>												

# XRF Field Data Collection Form

Facility Name/Address: Western Heights  
XRF Model/Serie: Niton XLp 300A/ SN # 17612

LSP Inspector(s): Judith Jovick, Jessica Lindholm

Date: 2/18-19/2013

QE<sup>2</sup> Project #: 501040

Start Time/page: a:52

End Time/page:


XRF Assay #	Lead Conc. (mg/cm <sup>2</sup> )	Room Equivalent	Room Number	Wall Number	Testing Component	Sub.	Finish	Color	Paint Cond.	Paint Det.	Unit No.
42	0.01	301-13 bath	2	B	wall	C	P	W	I		
43	0.0	"	"	"	wall trim	"					
44	0.0	Kitchen	4	B	wall above cabinets	D					
45	0.02	↓	↓	C	wall trim	C					
46	0.5	↓	↓	↓	wall	"					
47	0.0	301-16 (LR)	1	A	wall						
48	0.0	Kitchen	2	D	wall above cabinets	D					
49	0.01	"	"	C	wall trim	C					
50	0.0	1/2 bathroom	6	E	ceiling	C					
51	0.0	↓	"	C	wall	C					
52	0.06	↓	"	C	trim	C					
53	0.0	1/2 bedroom	5	D	wall	C					
54	0.0	301-18 (LR)	1	A	wall	C					
55	0.0	Kitchen	2	D	wall above cab.	D					
56	0.01	"	"	C	wall trim	C					
57	0.01	1/2 bathroom	5	E	ceiling	C			C/F		
58	0.0	↓	↓	C	wall	C			I		
59	0.6	↓	↓	↓	wall trim	C			"		
60	0.0	1/2 bedroom	4	D	wall	C			I		
61	0.0	301-22 (LR)	1	A	wall	C			I		
62	0.0	Kitchen	2	D	wall above cab	D			↓		
63	0.02	Kitchen	2	C	wall below	C					

Sub. = Substrate: Plaster (P), Wood (W), Metal (M), Drywall (D), Brick (B), Concrete (C)

Finish = Paint (P), Varnish (V), Stained (S), Wallpaper (W)

Paint Cond = Paint Condition: Intact (I), Fair (F), Poor (P)

Paint Det. = Paint Deterioration: Chalking (CA), Milling (M), Checking (CE), Cracking/Flaking (CF), Alligatoring (AI), Blistering (B), Scaling/Flaking (SF), Peeling (P), Chipping (CP)



Comments:

Page 2 of 2

# XRF Field Data Collection Form

Facility Name/Address: Western Heights  
XRF Model/Serial: Niton XLp 300A/ SN # 17812


LBP Inspector(s): Judith Jovick, Jessica Lindbom

Date: 2/18-19/2013

OE<sup>2</sup> Project #: 501040  
Start Time/page: 10:20  
End Time/page: 10:45

XRF Assay #	Lead Conc. (mg/cm <sup>2</sup> )	>=1.0 mg/cm <sup>2</sup>	Room Equivalent	Room Number	Wall Number	Testing Component	Sub.	Finish	Color	Paint Cond.	Paint Det.	Unit No.
64	0.0		Kitchen	2	C	Wall	C	P	W	I		
65	0.1		1/2 Bath	5	C	Ceiling	C	I	I	C		
66	0.04		1/2 Bath	5	C	Wall trim	C	I	I	C		
67	0.0		" "	5	C	Wall	C	P	W	C/F		
68	0.0		1/2 Bedroom	4	D	Wall	C	P	W	C/F		
69	0.0		301-025 (LR)	1	A	Wall	C	P	W	I		
70	0.0		Kitchen	2	B	above Cab.	D	P	W			
71	0.01		" "	2	C	Trim	C	P	W			
72	0.0		" "	2	C	Wall	C	I	I			
73	0.12		1/2 Bath	3	C	Ceiling	C	I	I			
74	0.01		↓	3	C	Trim	C	I	I			
75	0.0		1/2 Bedroom	3	C	Wall	C	I	I			
76	0.0		301-27 (LR)	4	B	Wall	C	I	I			
77	0.0		Kitchen	1	A	Wall	C	I	I			
78	0.0		↓	2	B	Wall above cab.	D	I	I			
79	0.01		↓	2	C	Trim	C	I	I			
80	0.0		1/2 Bath	2	C	Wall	C	I	I			
81	0.0		↓	3	C	Ceiling	C	I	I			
82	0.06		↓	3	C	Trim	C	I	I			
83	0.0		↓	3	C	Wall	C	I	I			
84	0.0		1/2 Bed	4	C	Wall	C	I	I			
85	0.0		301-33 (LR)	1	A	Wall	C	I	I			

Comments:



Sub. = Substrate: Plaster (P), Wood (W), Metal (M), Drywall (D), Brick (B), Concrete (C)

Finish = Paint (P), Varnish (V), Stained (S), Wallpaper (W)

Paint Cond = Paint Condition: Intact (I), Fair (F), Poor (P)

Paint Det. = Paint Deterioration: Chalking (CA), Mildew (M), Cracking (CE), Cracking/Faking (C/F), Alligatoring (A), Blistering (B), Scaling/Flicking (S/F), Peeling (P), Chipping (CP)


# XRF Field Data Collection Form

Facility Name/Address: Western Heights  
XRF Model/Serial: Niton XLp 300A/ SN # 17812

LBP Inspector(s): Judith Jovick, Jessica Lindbom

Date: 2/18-19/2013

OE<sup>2</sup> Project #: 501040  
Start Time/page: 1045  
End Time/page: 11:20

XRF Assay #	Lead Conc. (mg/cm <sup>2</sup> )	>=1.0 mg/cm <sup>2</sup>	Room Equivalent	Room Number	Wall Number	Testing Component	Sub.	Finish	Color	Paint Cond.	Paint Dat.	Unit No.						
86	0.0		Kitchen	2	D	Wall above cab.	D	P	W	I								
87	0.03		↓	2	C	Wall	C											
88	0.3		Bath	4		Ceiling	C											
89	0.0		↓	4	D	Wall	C											
90	0.0		301-37 (LR)	1	A	Wall	C											
91	0.0		Kitchen	2	D	Wall above cab.	D											
92	0.03		↓	2	C	Trim	C											
93	0.0			2	C	Wall	C											
94	0.15		1/3 Bath	6		Ceiling	C											
95	0.02		↓	6	C	Trim	C											
96	0.0			6	C	Wall	C											
97	0.0		1/3 Bed	5	D	Wall	C											
98	0.0		301-42 (LR)	1	D	Wall	C											
99	0.04		Kitchen	2	C	Trim	C											
100	0.0		↓	2	C	Wall	C											
101	0.4		Bath	4		Ceiling	C											
102	1.6	X	↓	4	<del>D</del> C	soffit	D											
103	0.4			4	D	Trim	C											
104	0.0		↓	4	D	Wall	C											
105	0.0		Bed	3	C	Wall	C											
106	0.0		301-54 (LR)	1	A	Wall	C											
107	0.0		Kitchen	2	C	Trim	C											
<div>  </div>																		
Sub. = Substrate: Plaster (P), Wood (W), Metal (M), Drywall (D), Brick (B), Concrete ©							Paint Det. = Paint Deterioration: Chalking (CA), Mildew (M), Checking (CE), Cracking/Flaking (CF), Alligatoring (A), Blistering (B), Scaling/Flaking (SF), Peeling (P), Chipping (CP)											
Finish = Paint (P), Varnish (V), Stained (S), Wallpaper (W)							Paint Cond. = Paint Condition: Intact (I), Fair (F), Poor (P)											
<div> Comments: </div>																		
<div> Page 5 of </div>																		

Facility Name/Address: Western Heights  
XRF Model/Ser#: Niton XLp 300A/ SN # 17812

QE<sup>2</sup> Project #: 501040  
Start Time/page: 1130  
End Time/page: 12:00

Date: 2/18-19/2013

LBP Inspector(s): Judith Jovick, Jessica Lindholm

XRF Assay #	Lead Conc. (mg/cm <sup>2</sup> )	>=1.0 mg/cm <sup>2</sup>	Room Equivalent	Room Number	Wall Number	Testing Component	Sub.	Finish	Color	Paint Cond.	Paint Det.	Unit No.
108	0.01		Kitchen	2	C	Wall	C	P	W	I		
109	0.06		1/2 Bath	3		Ceiling				I		
110	0.01		↓	3	C	Trim				C/F		
111	0.0			3	C	Wall				I		
112	0.0		1/2 Bed	4	B	Wall				I		
113	0.0		301-57 (LR)	1	A	Wall	C					
114	0.0		Kitchen	2	C	Trim	C					
115	0.0		↓	2	C	Wall	C	P	W			
116	0.06		Bath	4		Ceiling	C	P	W			
117	0.0		"	4	D	wall	"					
118	0.0		"			wall trim	"					
119	0.0		301-59 (LR)	1	A	wall	"					
120	0.01		Kitchen	2	C	wall	↓					
121	0.05		"	"	"	wall trim						
122	1.4	X	Bath	3		Ceiling	C	P	W	I		
123	0.05			5	C	Trim	C					
124	0.0			5	C	Wall	C					
125	0.0		Bed	4	D	Wall	C					
126	0.02		301-63 (LR)	1	B	Wall	C					
127	1.1	X	Bath	2	C	soffit	P/D					
128	0.29		↓	2		Ceiling						
129	0.0			2	B	Wall						

Sub. = Substrate: Plaster (P), Wood (W), Metal (M), Drywall (D), Brick (B), Concrete @

Finish = Paint (P), Varnish (V), Stained (S), Wallpaper (W)

Paint Cond. = Paint Condition: Intact (I), Fair (F), Poor (P)

Paint Det. = Paint Deterioration: Chalking (CA), Mildew (M), Checking (CE), Cracking/Flaking (C/F), Alligatoring (A), Blistering (B), Scaling/Flaking (S/F), Peeling (P), Chipping (CP)



Page 6 of

# XRF Field Data Collection Form

Facility Name/Address: Western Heights  
XRF Model/Serial: Niton XLp 300A/ SN # 17812


LBP Inspector(s): Judith Jovick, Jessica Lindbom

Date: 2/18/2013

OE<sup>2</sup> Project #: 501040  
Start Time/page: 12:09/11.5  
End Time/page: 1400

XRF Assay #	Lead Conc. (mg/cm <sup>2</sup> )	Room Equivalent	Room Number	Wall Number	Testing Component	Sub.	Finish	Color	Paint Cond.	Paint Det.	Unit No.
130	0.0	301-63 kitchen	4	C	wall	C	P	W	I		
131	0.0	↓		"	wall trim		"	"	"		
132	6.0	Calibration			SRM 2570		↓	↓	↓		
133	0.0	↓									
134	0.0	↓									
135	0.0	301-63 (LR)	1	A	wall	C	P	W	I		
136	0.01	kitchen	2	C	wall trim		↓	↓	↓		
137	0.0	"		"	wall		↓	↓	↓		
138	0.0	Bath	3	C	wall	C	↓	↓	↓		
139	0.01	↓			Trim		↓	↓	↓		
140	0.01	↓			Ceiling		↓	↓	↓		
141	0.01	Bed	4	C	wall	C	P	W	C		
142	0.0	301-72 (LR)	1	D	wall		↓	↓	↓		
143	0.0	kitchen	2	C	wall		↓	↓	↓		
144	0.01	"	"	"	wall trim		↓	↓	↓		
145	0.17	Bath	4	C	soffit	W	↓	↓	↓		
146	0.0	"	4	D	wall	C	↓	↓	↓		
147	0.22	"	4	D	Trim	C	↓	↓	↓		
148	0.0	301-74	1	B	wall	C	↓	↓	↓		
149	0.05	kitchen	2	C	wall trim		↓	↓	↓		
150	0.0	"			wall		↓	↓	↓		
151	0.13	Bath	4	B	Wall trim	C	↓	↓	↓		

wood soffit



Sub. = Substrate: Plaster (P), Wood (W), Metal (M), Drywall (D), Brick (B), Concrete (C)

Finish = Paint (P), Varnish (V), Stained (S), Wallpaper (W)


Paint Cond. = Paint Condition: Intact (I), Fair (F), Poor (P)

Paint Det. = Paint Deterioration: Chalking (CA), Mould (M), Cracking (CE), Cracking/Flaking (CF), Alligatoring (A), Blistering (B), Scaling/Flaking (SF), Peeling (P), Chipping (CP)

# XRF Field Data Collection Form

Facility Name/Address: Western Heights  
XRF Model/Ser#: Niton XL 300A/SN # 17812

LBP Inspector(s): Judith Jovick, Jessica Lindbom  
Date: 2/18/2013  
QE<sup>2</sup> Project #: 501040  
Start Time/page: 14:00  
End Time/page: 14:35

XRF Assay #	Lead Conc. (mg/cm <sup>2</sup> )	>=1.0 mg/cm <sup>2</sup>	Room Equivalent	Room Number	Wall Number	Testing Component	Sub.	Finish	Color	Paint Cond.	Paint Det.	Unit No.
152	0.12		Bath	4		Ceiling	C	P	W	I		
153	0.0		↓	4	B	wall						
154	0.0		301-77 (LR)	1	C	wall						
155	0.0		Kitchen	2	C	wall						
156	0.01		"	"	"	wall trim						
157	0.05		Bath	4	D	ceiling						
158	0.0		↓	4	D	in wall (bath insert)	Plastic					
159	0.01		↓	4	C	wall	C					
160	0.0		301-82 (LR)	1	A	wall	C					
161	0.0		Kitchen	2	C	wall trim	C					
162	0.0		"	"	"	wall	C					
163	0.0		Bath	3	C	wall Trim	C					
164	0.0		↓	3	C	wall	C					
165	0.0		↓			Ceiling	C					
166	0.0		Bed	4	B	wall	C					
167	0.0		301-94 (LR)	1	A	wall	C					
168	0.0		Kitchen	2	C	wall	"					
169	0.01		Bath	6	C	wall	C					
170	0.12		↓	6		Ceiling	C					
171	0.0		Bed	4	B	wall						
172	0.0		301-97 (LR)	1	B	wall	↓					
173	0.02		Kitchen	2	C	wall	"					
<div>  </div>												
Comments:							Sub. = Substrate: Plaster (P), Wood (W), Metal (M), Drywall (D), Brick (B), Concrete (C) Finish = Paint (P), Varnish (V), Stained (S), Wallpaper (W) Paint Cond = Paint Condition: Intact (I), Fair (F), Poor (P)			Paint Det. = Paint Deterioration: Chalking (CA), Mildew (M), Checking (CE), Cracking/Flexing (CF), Alligatoring (A), Blistering (B), Scaling/Flaking (SF), Peeling (P), Chipping (CP)		
Page 2 of 2												

# XRF Field Data Collection Form


Facility Name/Address: Western Heights  
XRF Model/Ser#: Niton XL3 300A/ SN # 17812

LBP Inspector(s): Judith Jovick, Jessica Lindbom

Date: 2/18/2013

OE<sup>2</sup> Project #: 501040  
Start Time/page: 1435  
End Time/page: 1506

XRF Assay #	Lead Conc. (mg/cm <sup>2</sup> )	>=1.0 mg/cm <sup>2</sup>	Room Equivalent	Room Number	Wall Number	Testing Component	Sub.	Finish	Color	Paint Cond.	Paint Det.	Unit No.
174	0.03		301-97 Kitchen	2	C	wall trim	C	P	W	I		
175	0.01		Bath	5	C	Wall	C	I	I	C		
176	0.10		Bath	5	C	wall trim	C	P	W	I		
177	0.12		Bath	5	C	ceiling	C	P	W	I		
178	0.0		Bed	4	C	wall	C	P	W	I		
179	0.0		301-104 (UP) Kitchen	1	D	wall	"	P				
180	0.01		"	2	C	wall	"	P				
181	0.02		"	"	"	wall trim	"	P				
182	0.0		Bedroom	4	D	wall	"	P				
183	0.0		↓	4	C	soffit	D					
184	0.02		↓	4	D	wall trim	C					
185	0.0		↓	4	E	ceiling	C					
186	0.0		301-106 (UP) Kitchen	1	B	wall	C					
187	0.01		"	2	C	wall trim	"					
188	0.0		"	"	"	wall	"					
189	0.02		Bath	3	B	wall trim	C					
190	0.0		↓	3	B	wall	C					
191	0.0		↓	3	E	ceiling	C					
192	0.0		301-118 (UP) Kitchen	1	D	wall	"					
193	0.01		"	2	C	wall trim	C					
194	0.0		"	"	"	wall	C					
195	0.02		Bath	3	C	wall trim	C	P	W	I		



Sub. = Substrate: Plaster (P), Wood (W), Metal (M), Drywall (D), Brick (B), Concrete (C)  
Finish = Paint (P), Varnish (V), Stained (S), Wallpaper (W)  
Paint Cond = Paint Condition: Intact (I), Fair (F), Poor (P)

Paint Det. = Paint Deterioration: Chalking (CA), Mildew (M), Checking (CE), Cracking/Flaking (CF), Alligatoring (A), Blistering (B), Scaling/Flaking (SF), Peeling (P), Chipping (CP)

Comments:

Page 9 of 9

# XRF Field Data Collection Form

Facility Name/Address: Western Heights  
XRF Model/Ser#: Niton XLp 300A/ SN # 17812

LBP Inspector(s): Judith Jovick, Jessica Lingbom

Date: 2/16/2013

QE2 Project #: 501040

Start Time/page: 1507

End Time/page: 1533

XRF Assay #	Lead Conc. (mg/cm <sup>2</sup> )	>=1.0 mg/cm <sup>2</sup>	Room Equivalent	Room Number	Wall Number	Testing Component	Sub.	Finish	Color	Paint Cond.	Paint Det.	Unit No.
196	0.01		Bath	3	C	Wall	C	P	W	I		
197	0.01			3		Ceiling						
198	0.0		Bed	4	D	Wall						
199	0.0		301-129 (LR)	1	B	wall						
200	0.0		Kitchen	2	C	wall trim						
201	0.01		"	"	"	wall						
202	0.02		Bath	5	C	Wall trim	C	P	W	I		
203	0.0		↓	5	C	Wall						
204	0.06			5	C	Ceiling						
205	0.0		Bed	4	C	Wall						
206	0.0		301-130 (LR)	1	D	wall	C					
207	0.01		Kitchen	2	C	wall trim						
208	0.02		"	"	C	wall						
209	0.0		Bath	3	C	Wall trim						
210	0.0		↓	3	C	Wall						
211	0.01			3	C	Ceiling						
212	0.0		Bed	4	D	wall						
213	0.0		301-139 (LR)	1	B	wall						
214	0.0		Kitchen	2	C	wall trim						
215	0.0		"	"	C	wall						
216	0.0		Bathroom	3	C	Wall trim						
217	0.0		↓	3	C	wall						
<div> <div>QE2</div> <div>                     Sub. = Substrate: Plaster (P), Wood (W), Metal (M), Drywall (D), Brick (B), Concrete ©                      Finish = Paint (P), Varnish (V), Stained (S), Wallpaper (W)                      Paint Cond = Paint Condition: Intact (I), Fair (F), Poor (P)                      Paint Det. = Paint Deterioration: Chalking (CA), Mildew (M), Checking (CE), Cracking/Flaking (CF), Alligatoring (A), Bleeding (B), Scaling/Flaking (SF), Peeling (P), Chipping (CP)                 </div> </div>												


Facility Name/Address: Western Heights  
XRF Model/Ser#: Niton XLp 300A/ SN # 17812

QE<sup>2</sup> Project #: 501040  
Start Time/page: 1535  
End Time/page: 1600

QE<sup>2</sup> Project #: 501040  
Start Time/page: 1535  
End Time/page: 1600

XRF Assay #	Lead Conc. (mg/cm <sup>2</sup> )	>1.0 mg/cm <sup>2</sup>	Room Equivalent	Room Number	Wall Number	Testing Component	Sub.	Finish	Color	Paint Condi.	Paint Det.	Unit No.
218	0.0		Bath	5	C	Ceiling	C	P	W	C		
219	0.0		Bed	4	C	Wall		P	W	I		
220	0.0		301-142 (UP)	1	D	Wall						
221	0.14		Kitchen	2	C	Wall trim						
222	0.0		"	"	B	Wall above cabinets	D					
223	0.01		Bath	3		Ceiling	C	P	W	I		
224	0.27			3	C	Wall trim						
225	0.04			3	C	Wall						
226	0.02		Bed	4	D	Wall						
227	0.0		301-144 (UP)	1	D	Wall						
228	0.02		Kitchen	2	C	Wall trim						
229	0.01		"	"	C	Wall						
230	0.02		Bath	3	C	Wall trim	C					
231	0.09			3	C	Ceiling						
232	0.0			3	C	Wall						
233	0.0		Bed	4	D	Wall						
234	0.0		301-152 (UP)	1	A	Wall						
235	0.07		Kitchen	2	C	Wall trim						
236	0.0		"	"	"	Wall						
237	0.0		Bath	3	C	Wall trim	C					
238	0.0		Bath			ceiling						
239	0.0		Bed	5	D	Wall	C					

Comments:



Sub. = Substrate: Plaster (P), Wood (W), Metal (M), Drywall (D), Brick (B), Concrete (C)

Finish = Paint (P), Varnish (V), Stained (S), Wallpaper (W)

Paint Condi = Paint Condition: Intact (I), Fair (F), Poor (P)

Paint Det. = Paint Deterioration: Chalking (CA), Mildew (M), Cracking/Flaking (C/F), Alligatoring (A), Blistering (B), Scaling/Flaking (S/F), Peeling (P), Chipping (CP)

Page 11 of 11


# XRF Field Data Collection Form

Facility Name/Address: Western Heights  
XRF Model/Ser#: Nilon XL 300A/ SN # 17812

LBP Inspector(s): Judith Jovick, Jessica Lindholm

Date: 2/18/2013

QE<sup>2</sup> Project #: 501040  
Start Time/page: 1608  
End Time/page: 1640

XRF Assay #	Lead Conc. (mg/cm <sup>2</sup> )	>=1.0 mg/cm <sup>2</sup>	Room Equivalent	Room Number	Wall Number	Testing Component	Sub.	Finish	Color	Paint Cond.	Paint Det.	Unit No.						
240	0.0		301-154 (LR)	1	B	wall	C	P	W	I								
241	0.03		Kitchen	2	C	wall trim												
242	0.0		"	"	"	wall												
243	0.1		Bath	3	B	wall trim												
244	0.03		"	"	"	ceiling												
245	0.01		301-155 (LR)	1	D	wall												
246	0.0		Kitchen	2	C	wall trim												
247	0.01		"	"	"	wall												
248	0.05		Bath	4	D	Wall Trim	C	P	W	I								
249	0.03		Bath	4		Ceiling	"	"	"	"								
-	0.0		Calibration			SM 2570												
-	0.0		start calibration			" "												
-	0.01																	
-	0.0																	
250	0.0		301-167 (LR)	1	A	wall	C	P	W	I								
251	0.0		Kitchen	2	C	wall trim												
252	0.0		"	"	"	wall												
253	0.0		Bath	6	C	Wall Trim	C	P										
254	0.0			6		ceiling												
255	0.0		Bed	5	D	Wall	C											
256	0.0		301-168 (LR)	1	A	wall												
257	0.0		Kitchen	2	C	wall trim												
<div>  </div>																		
<div> <p>Sub. = Substrate: Plaster (P), Wood (W), Metal (M), Drywall (D), Brick (B), Concrete (C)</p> <p>Finish = Paint (P), Varnish (V), Stained (S), Wallpaper (W)</p> <p>Paint Cond = Paint Condition: Intact (I), Fair (F), Poor (P)</p> </div>							<p>Paint Det. = Paint Deterioration: Chalking (CA), Mildew (M), Checking (CE), Cracking/Flecking (CF), Alligatoring (A), Blistering (B), Scaling/Flecking (SF), Peeling (P), Chipping (CP)</p>											
<div> <p>Comments:</p> </div>																		
<div> <p>Page 12 of</p> </div>																		

# XRF Field Data Collection Form

Facility Name/Address: Western Heights  
XRF Model/Ser#: Niton XLp 300A/SN # 17612

LBP Inspector(s): Judith Jovick, Jessica Lindbom

Date: 2/18/2013

QE<sup>2</sup> Project #: 501040  
Start Time/page: 10:35  
End Time/page: 10:3

XRF Assay #	Lead Conc. (mg/cm <sup>2</sup> )	>=1.0 mg/cm <sup>2</sup>	Room Equivalent	Room Number	Wall Number	Testing Component	Sub.	Finish	Color	Paint Cond.	Paint Det.	Unit No.
258	0.0		Bath	3	C	Wall Trim	C	P	W	I		
259	0.0		Bath	3	C	Ceiling						
260	0.0		Bed	4	C	wall						
261	0.0		301-172 (LP)	1	A	wall						
262	0.0		Kitchen	2	C	wall trim						
263	0.0		Bath	4	C	sffit	D	P	W	I		
264	0.0		Bath	4	D	wall Trim	C					
265	0.0		301-175 (LP)	1	A	wall						
266	0.0		Kitchen	2	C	wall trim						
267	0.0		Bath	5	C	Wall trim	C	P	W	I		
268	0.0		Bed	4	D	wall						
269	0.0		Bath	5	E	Ceiling	C	P	W	I		
270	0.0		301-190 (LP)	1	D	wall						
271	0.0		Kitchen	2	C	wall trim						
272	0.0		Bath	4	C	sffit	D	P	W	I		
273	3.5	X	Bath	4	D	Wall trim	C					
274	2.7	X	Bath	4	C	Wall	C					
275	3.2	X	Bath	4	E	Ceiling	C	P	W	I		
276	0.0		301-195 (LP)	1	A	wall						
277	0.0		Kitchen	2	C	wall Trim						
278	2.2	X	Bath	5	C	Wall Trim						
279	0.0		Bath	5	E	Ceiling						
<div> <div>QE<sup>2</sup></div> <div>                     Sub. = Substrate: Plaster (P), Wood (W), Metal (M), Drywall (D), Brick (B), Concrete (C)                      Finish = Paint (P), Varnish (V), Stained (S), Wallpaper (W)                      Paint Cond = Paint Condition: Intact (I), Fair (F), Poor (P)                 </div> </div>												
Paint Det. = Paint Deterioration: Chalking (CA), Mildew (M), Cracking (CE), Cracking/Flaking (CF), Alligatoring (A), Blistering (B), Scaling/Flaking (SF), Peeling (P), Chipping (CP)												

# XRF Field Data Collection Form

Facility Name/Address: Western Heights  
XRF Model/Ser#: Nikon XLP 300A/ SN # 17612

LBP Inspector(s): Judith Jovick, Jessica Lindhorn

Date: 2/18-19/2013

QE<sup>2</sup> Project #: 501040

Start Time/page: 11:05 2/19/13

End Time/page: 11:35

XRF Assay #	Lead Conc. (mg/cm <sup>2</sup> )	>=1.0 mg/cm <sup>2</sup>	Room Equivalent	Room Number	Wall Number	Testing Component	Sub.	Finish	Color	Paint Cond.	Paint Det.	Unit No.
280	0.0		Bath	5	C	Wall	C	P	W	I		
281	0.0		Bed	4	D	Wall						
282	0.0		301-196 (LR)	1	A	wall						
283	0.0		Kitchen	2	C	wall trim						
284	0.0		Bath	3	C	Wall trim	C			I		
285	0.0		Bed	4	C	Wall						
286	0.0		301-203 (LR)	1	A	wall						
287	0.0		Kitchen	2	C	wall trim						
288	0.0		Bath	5	C	Wall trim						
289	0.0		Bath	5		Ceiling						
290	0.0		Bed	4	C	Wall						
291	0.0		301-210 (LR)	1	B	wall						
292	0.0		Kitchen	2	C	wall (no trim)						
293	0.0		Bath	6	C	Wall trim						
294	0.0		Bed	5	D	Wall						
295	0.0		301-213 (LR)	1	C	wall						
296	0.0		Kitchen	2		wall trim						
297	2.5	X	Bath	4	D	Wall trim						
298	0.0			4		ceiling						
299	0.0			4	D	wall						
300	0.0		301-214 (LR)			wall						
301	6.0		Kitchen			wall trim						
<div> <div>QE<sup>2</sup></div> <div> <p>Sub. = Substrate: Plaster (P), Wood (W), Metal (M), Drywall (D), Brick (B), Concrete (C)</p> <p>Finish = Paint (P), Varnish (V), Stained (S), Wallpaper (W)</p> <p>Paint Cond = Paint Condition: Intact (I), Fair (F), Poor (P)</p> <p>Paint Det. = Paint Deterioration: Chalking (CA), Mildew (M), Cracking (CE), Cracking/Flaking (CF), Alligatoring (A), Blistering (B), Scaling/Flaking (SF), Peeling (P), Chipping (CP)</p> </div> </div>												
<div> <div>Comments:</div> <div></div> </div>												
<div> <div>Page 11 of 11</div> </div>												

# XRF Field Data Collection Form

Facility Name/Address: Western Heights  
XRF Model/Ser#: Niton XL3 300A/ SN # 17812

LBP Inspector(s): Judith Jovick, Jessica Lindbom

QE<sup>2</sup> Project #: 501040  
Start Time/page: 11:35  
End Time/page: 12:03

Date: 2/16-19/2013

XRF Assay #	Lead Conc. (mg/cm <sup>2</sup> )	>=1.0 mg/cm <sup>2</sup>	Room Equivalent	Room Number	Wall Number	Testing Component	Sub.	Finish	Color	Paint Cond.	Paint Det.	Unit No.
302	0.0		Bath	4	C	soffit	D	P	W	P	C/P	
303	0.0			4	D	wall trim	C			↓	↓	
304	0.0		301-221 (UR)	1	D	wall				T		
305	0.0		Kitchen	2	C	wall trim						
306	2.9	X	Bath	4	D	wall trim	↓			↓		
307	2.9	X		4		ceiling	D	P	W	F	C	
308	0.0		↓	4	D	wall	C			I	I	
309	0.0		301-225 (UR)	1	A	wall				T		
310	0.0		kitchen	2	C	wall trim						
311	0.0		Bath	6	C	Wall Trim						
312	0.0		Bath	6		ceiling						
313	0.0		Bed	5	D	wall						
314	0.0		301-223 (UR)	1	A	wall						
315	0.0		kitchen	2	C	wall trim						
316	0.0		Bath	5	C	Wall Trim						
317	0.0		↓	↓	D	ceiling						
318	0.0			↓	D	wall						
319	0.0		Bed	4	D	wall						
320	0.0		301-234 (UR)	1	A	wall						
321	0.0		kitchen	2	C	wall trim						
322	0.0		bath	3	C	Wall Trim						
323	0.0		Bath	3	C	Wall						
<div style="display: flex; justify-content: space-between;"> <div> <p>Comments:</p> <p>Sub. = Substrate: Plaster (P), Wood (W), Metal (M), Drywall (D), Brick (B), Concrete (C)</p> <p>Finish = Paint (P), Varnish (V), Stained (S), Wallpaper (W)</p> <p>Paint Cond = Paint Condition: Intact (I), Fair (F), Poor (P)</p> <p>Paint Det. = Paint Deterioration: Chalking (CA), Mildew (M), Checking (CE), Cracking/Flaking (CF), Alligatoring (A), Blistering (B), Scaling/Flaking (SF), Peeling (P), Chipping (CP)</p> </div> <div>  </div> </div>												


# XRF Field Data Collection Form

Facility Name/Address: Western Heights  
XRF Model/Ser#: Niton XLp 300A/ SN # 17812

LBP Inspector(s): Judith Jovick, Jessica Lindboom Date: 2/18-19/2013

QE# Project #: 501040  
Start Time/page: 12:05  
End Time/page: 13:35

XRF Assay #	Lead Conc. (mg/cm <sup>2</sup> )	>=1.0 mg/cm <sup>2</sup>	Room Equivalent	Room Number	Wall Number	Testing Component	Sub.	Finish	Color	Paint Cond.	Paint Det.	Unit No.
324	0.0		Bath	3	E	ceiling	C	P	W	I		
325	0.0		Bed	4	C	wall						
326	0.0		301-238 (UR)	1	D	wall trim						
327	0.0		Kitchen	2	A	wall trim						
328	2.5	X	Bath	3	C	wall trim	C					
329	0.0		Bath	3	C	wall	W/C					
330	0.0		Bath	3	C	ceiling	C					
331	0.0		Bed	4	C	wall						
332	0.0		301-240 (UR)	1	A	wall						
333	0.0		Kitchen	2	C	wall (no trim)						
334	0.0		Bed	6	C	wall trim						
335	0.0		Bed	5	D	wall		V				
336	0.0		Cal			Cal						
337	0.0											
338	0.0											
339	0.0		304-249 (UR)	1	A	wall	D	P	W	I		
340	0.0		Kitchen	2	C	wall						
341	0.0		Bath	3	C	wall	D/C					
342	0.0		Bath	3	C	ceiling	C					
343	0.0		Bed	5	C	wall	D					
344	0.0		304-253 (UR)	1	A	wall						
345	0.0		Kitchen	2	C	wall						



Sub. = Substrate: Plaster (P), Wood (W), Metal (M), Drywall (D), Brick (B), Concrete (C)  
Finish = Paint (P), Varnish (V), Stained (S), Wallpaper (W)  
Paint Cond. = Paint Condition: Intact (I), Fair (F), Poor (P)

Paint Det. = Paint Deterioration: Chalking (CA), Mildew (M), Checking (CE), Cracking/Floaking (CF), Alligatoring (A), Blistering (B), Scaling/Flecking (SF), Peeling (P), Chipping (CP)

Comments:

low - Section

Page 16 of 16


# XRF Field Data Collection Form

Facility Name/Address: Western Heights  
XRF Model/Serial: Niton XLp 300A/ SN # 17612

LBP Inspector(s): Judith Jorick, Jessica Lindbom

Date: 2/19/2013

QE<sup>2</sup> Project #: 501040  
Start Time/page: 1336  
End Time/page: 1402

XRF Assay #	Lead Conc. (mg/cm <sup>2</sup> )	>=1.0 mg/cm <sup>2</sup>	Room Equivalent	Room Number	Wall Number	Testing Component	Sub.	Finish	Color	Paint Cond.	Paint Det.	Unit No.						
346	0.01		304-253 Bath	5	C	Wall	C	P	W	I								
347	0.0		Bath	5		Ceiling	D											
348	0.0		Bed	4	D	wall												
349	0.0		304-258 (LR)	1	D	wall												
350	0.0		Kitchen	2	C	"												
351	0.0		bath	4	"	"												
352	0.0		bedroom	5	C	"												
353	0.0		304-260 (LR)	1	B	wall												
354	0.0		Kitchen	2	C	wall												
355	0.0		bath	4	D	wall												
356	0.01		304-262 (LR)	1	A	wall												
357	0.0		Kitchen	2	C	"	D											
358	0.0		bathroom	3	C	wall												
359	0.02		bedroom	4	B	wall												
360	0.0		304-268 (LR)	1	A	"												
361	0.0		Kitchen	2	C	"												
362	0.0		bathroom	5	C	"												
363	0.0		bedroom	4	D	"												
364	0.0		304-271 (LR)	1	A	"												
365	0.0		Kitchen	2	C	"												
366	0.0		bath	3	C	"												
367	0.0		bedroom	4	B	"												
<div>  </div>																		
<div> <p>Sub. = Substrate: Plaster (P), Wood (W), Metal (M), Drywall (D), Brick (B), Concrete (C)</p> <p>Finish = Paint (P), Varnish (V), Stained (S), Wallpaper (W)</p> <p>Paint Cond = Paint Condition: Intact (I), Fair (F), Poor (P)</p> <p>Paint Det. = Paint Deterioration: Chalking (CA), Mildew (M), Checking (CE), Cracking/Fixing (CF), Alligatoring (A), Blistering (B), Scaling/Flaking (SF), Peeling (P), Chipping (CP)</p> </div>																		
<div> <p>Comments:</p> </div>																		
<div> <p>Page <input type="checkbox"/> of</p> </div>																		

# XRF Field Data Collection Form

Facility Name/Address: Western Heights  
XRF Model/Ser#: Niton XLp 300A/ SN # 17812

LBP Inspector(s): Judith Jovick, Jessica Lindbom

Date: 2/18/2013

QE<sup>2</sup> Project #: 501040  
Start Time/page: 1402  
End Time/page: 1433

XRF Assay #	Lead Conc. (mg/cm <sup>2</sup> )	>>1.0 mg/cm <sup>2</sup>	Room Equivalent	Room Number	Wall Number	Testing Component	Sub.	Finish	Color	Paint Cond.	Paint Det.	Unit No.
368	0.0		304-273 (LR)	1	B	wall	D	P	W	I		
369	0.0		Kitchen	2	C	"						
370	0.0		Bathroom	4	D	"						
371	0.0		304-274 (LR)	1	B	"						
372	0.0		Kitchen	2	C	"						
373	0.0		Bathroom	3	B	"						
374	0.0		304-276 (LR)	1	A	"						
375	0.0		Kitchen	2	C	"						
376	0.0		Bathroom	3	C	"						
377	0.0		bedroom	6	C	"						
378	0.0		304-278 (LR)	1	A	"						
379	0.01		Kitchen	2	C	"						
380	0.0		Bathroom	3	C	"						
381	0.0		bedroom	4	B	"						
382	0.0		304-280 (LR)	1	D	"						
383	0.0		Kitchen	2	C	"						
384	0.0		bedroom	3	B	"						
385	0.0		304-286 (LR)	1	D	"						
386	0.0		Kitchen	2	C	"						
387	0.0		Bathroom	5	C	"						
388	0.0		bedroom	7	C	"						
389	0.0		bedroom	9	C	"						
<div style="display: flex; align-items: center;"> <div> <p>Sub. = Substrate: Plaster (P), Wood (W), Metal (M), Drywall (D), Brick (B), Concrete (C)</p> <p>Finish = Paint (P), Varnish (V), Stain (S), Wallpaper (W)</p> <p>Paint Cond = Paint Condition: Intact (I), Fair (F), Poor (P)</p> <p>Paint Det. = Paint Degradation: Chalking (CA), Mildew (M), Cracking (CE), Cracking/Falking (CF), Alligatoring (A), Blistering (B), Scaling/Falking (SF), Peeling (P), Chipping (CP)</p> </div> </div>												
<p>Comments:</p>												
<p>Page 13 of 13</p>												


# XRF Field Data Collection Form

Facility Name/Address: Western Heights  
XRF Model/Ser#: Niton XLp 300A/ SN 17812

LBP Inspector(s): Judith Jovick, Jessica Lindbom

Date: 2/18/19/2013

QE<sup>2</sup> Project #: 501040  
Start Time/page: 14:45  
End Time/page: 15:16

XRF Assay #	Lead Conc. (mg/cm <sup>2</sup> )	>1.0 mg/cm <sup>2</sup>	Room Equivalent	Room Number	Wall Number	Testing Component	Sub.	Finish	Color	Paint Cond.	Paint Det.	Unit No.
390	0.0		304-288 (LE)	1	A	wall	D	P	W	I		
391	0.0		Kitchen	2	C	"						
392	0.0		bathroom	3	C	"						
393	0.0		bedroom	5	D	"						
394	0.0		304-290 (LE)	1	A	"						
395	0.0		Kitchen	2	C	"						
396	0.01		bathroom	3	C	"						
397	0.0		bedroom	4	B	"						
398	0.0		304-291 (LE)	1	A	"						
399	0.0		Kitchen	2	C	"						
400	0.0		bathroom	6	C	"	V					
401	0.0		bathroom	1	"	window jamb	C					
402	0.0		bedroom	5	D	wall	D					
403	0.0		304-298 (LE)	1	A	wall	"					
404	0.0		Kitchen	2	C	"						
405	0.0		Bathroom	6	C	wall						
406	0.0		bedroom	5	D	"						
407	0.0		304-307 (LE)	1	A	wall	V		Tan			
408	0.0		Kitchen	2	C	"						
409	0.02		bathroom	5	C	"						
410	0.0		↓	5		Ceiling						
411	0.0		bedroom	4	D	wall	V		W			
Comments:												
<div style="display: flex; align-items: center;">  <div> <p>Sub. = Substrate: Plaster (P), Wood (W), Metal (M), Drywall (D), Brick (B), Concrete (C)</p> <p>Finish = Paint (P), Varnish (V), Stained (S), Wallpaper (W)</p> <p>Paint Cond = Paint Condition: Intact (I), Fair (F), Poor (P)</p> <p>Paint Det. = Paint Deterioration: Chalking (CA), Mildew (M), Checking (CE), Cracking/Flaking (CF), Alligatoring (A), Blistering (B), Scaling/Flecking (SF), Peeling (P), Chipping (CP)</p> </div> </div>												
<div style="display: flex; justify-content: space-between;"> <span>Page 17 of</span> <span>XRF Data Collection Form</span> </div>												

# XRF Field Data Collection Form

Facility Name/Address: Western Heights  
XRF Model/Ser#: Niton XLp 300A/ SN # 17812

LBP Inspector(s): Judith Jovic, Jessica Lindbom

Date: 2/18-19/2013

QE<sup>2</sup> Project #: 501040  
Start Time/page: 1317  
End Time/page: 1542

XRF Assay #	Lead Conc. (mg/cm <sup>2</sup> )	>1.0 mg/cm <sup>2</sup>	Room Equivalent	Room Number	Wall Number	Testing Component	Sub.	Finish	Color	Paint Cond.	Paint Det.	Unit No.
412	0.0		304-314 (LR)	1	B	wall	D	P	W	I		
413	0.0		Kitchen	2	C	"						
414	0.0		Bathroom	3	C	"						
415	0.0		Bedroom	4	D	"						
416	0.0		304-315 (LR)	1	D	"						
417	0.0		Kitchen	2	C	"						
418	0.0		bathroom	3	C	"						
419	0.0		bedroom	5	C	"						
420	0.0		304-317 (LR)	1	A	"						
421	0.0		Kitchen	2	C	"						
422	0.0		bathroom	6	C	"						
423	0.0		bedroom	3	C	"						
424	0.0		304-319 (LR)	1	A	"						
425	0.0		Kitchen	2	C	"						
426	0.0		bathroom	5	C	"						
427	0.0		bedroom	3	C	"						
428	0.0		304-320 (LR)	1	B	"						
429	0.0		Kitchen	5	C	"						
430	0.0		bathroom	4	C	"						
431	0.0		bedroom	3	D	"						
432	0.0		304-321 (LR)	1	D	"						
433	0.0		Kitchen	2	C	"						
<div> <div>QE<sup>2</sup></div> <div> <p>Sub. = Substrate: Plaster (P), Wood (W), Metal (M), Drywall (D), Brick (B), Concrete (C)</p> <p>Finish = Paint (P), Varnish (V), Stained (S), Wallpaper (W)</p> <p>Paint Cond = Paint Condition: Intact (I), Fair (F), Poor (P)</p> <p>Paint Det. = Paint Deterioration: Chalking (CA), Milling (M), Checking (CE), Cracking/Flexing (CF), Alligatoring (A), Blistering (B), Scaling/Flexing (SF), Peeling (P), Chipping (CP)</p> </div> </div>												
<div> <div>Comments:</div> <div></div> <div></div> <div></div> <div></div> </div>												
<div> <div>Pages</div> <div>1 of 1</div> </div>												


# XRF Field Data Collection Form

Facility Name/Address: Western Heights  
XRF Model/Ser#: Niton XLp 300A/ SN # 17812

LBP Inspector(s): Judith Jovick, Jessica Lindbom

Date: 2/18-19/2013

QE<sup>2</sup> Project #: 501040  
Start Time/page: 1542  
End Time/page: 1630

XRF Assay #	Lead Conc. (mg/cm <sup>2</sup> )	>>1.0 mg/cm <sup>2</sup>	Room Equivalent	Room Number	Wall Number	Testing Component	Sub.	Finish	Color	Paint Cond.	Paint Del.	Unit No.						
434	0.0		304-321 (bathroom)	8	C	wall	D	P	W	I								
435	0.0		bedroom	6	D	"												
436	0.0		304-329 (LP)	1	A	wall												
437	0.01		Kitchen	2	C	"												
438	0.0		bathroom	5	C	"												
439	0.01		bedroom	4	D	"												
440	0.0		304-335 (LP)	1	D	"												
441	0.0		Kitchen	2	C	"												
442	0.0		bathroom	8	C	"												
443	0.0		bedroom	5	D	"												
444	0.0		304-337 (LP)	1	A	"												
445	0.0		Kitchen	8	C	"												
446	0.01		bathroom	2	C	"												
447	0.0		bedroom	5	C	"												
448	0.0		304-339 (LP)	1	D	"												
449	0.0		Kitchen	2	C	"												
450	0.0		bathroom	6	C	"												
451	0.0		bedroom	7	D	"												
452	0.0		304-342 (LP)	1	B	"												
453	0.0		Kitchen	6	C	"												
454	0.0		bathroom	6	C	"												
455	0.0		bedroom	3	B	"												
<div>  </div>																		
<div> <p>Sub. = Substrate: Plaster (P), Wood (W), Metal (M), Drywall (D), Brick (B), Concrete (C)</p> <p>Finish = Paint (P), Varnish (V), Stained (S), Wallpaper (W)</p> <p>Paint Cond = Paint Condition: Intact (I), Fair (F), Poor (P)</p> <p>Paint Del. = Paint Deterioration: Chalking (CA), Mildew (M), Checking (CE), Cracking/Flaking (CF), Alligatoring (A), Blistering (B), Scaling/Flaking (SF), Peeling (P), Chipping (CP)</p> </div>																		
<div> <p>Comments:</p> </div>																		
<div> <p>Page 21 of</p> </div>																		


# XRF Field Data Collection Form

Facility Name/Address: Western Heights  
XRF Model/Ser#: Niton XLp 300A/ SN # 17612

LBP Inspector(s): Judith Jovick, Jessica Lindbom

Date: 2/18-19/2013

QE Project #: 501040  
Start Time/page: 8:20  
End Time/page: 8:57

XRF Assay #	Lead Conc. (mg/cm <sup>2</sup> )	>1.0 mg/cm <sup>2</sup>	Room Equivalent	Room Number	Well Number	Testing Component	Sub.	Finish	Color	Paint Cond.	Paint Det.	Unit No.						
	0.0		calibration (ord)			SEM 2570												
	0.0		↓			↓												
	0.0		calibration (in)			SRM 2570												
	0.0		↓			↓												
(577)	0.0																	
456	0.0		304-347 (UR)	1	A	wall	D	P	W	I								
457	0.0		Kitchen	2	C	"	"	"	"	"								
458	0.0		bathroom	5	C	"	"	"	"	"								
459	0.0		"	5	C	windowsill	C	"	"	"								
460	0.0		bedroom	3	C	wall	D	"	"	"								
461	0.0		304-351 (UR)	1	A	wall	"	"	"	"								
462	0.0		Kitchen	2	C	wall	"	"	"	"								
463	0.06		bathroom	6	C	"	"	"	"	"								
464	0.0		bedroom	5	D	"	"	"	"	"								
465	0.0		304-357 (UR)	1	A	wall	"	"	"	"								
466	0.0		Kitchen	2	C	"	"	"	"	"								
467	0.0		bedroom	3	C	"	"	"	"	"								
468	0.0		bathroom	6	C	"	"	"	"	"								
469	0.0		304-358 (UR)	1	A	wall	"	"	"	"								
470	0.0		Kitchen	2	C	"	"	"	"	"								
471	0.0		bathroom	3	C	"	"	"	"	"								
<div>  </div>																		
<div> <p>Sub. = Substrate: Plaster (P), Wood (W), Metal (M), Drywall (D), Brick (B), Concrete (C)</p> <p>Finish = Paint (P), Varnish (V), Stained (S), Wallpaper (W)</p> <p>Paint Cond = Paint Condition: Intact (I), Fair (F), Poor (P)</p> <p>Paint Det. = Paint Deterioration: Chalking (CA), Mildew (M), Checking (CE), Cracking/Flaking (CF), Alligatoring (A), Blistering (B), Sealing/Flaking (SF), Peeling (P), Chipping (CP)</p> </div>																		
<div> <p>Comments:</p> </div>																		
<div> <p>Page 2 of 2</p> </div>																		


# XRF Field Data Collection Form

Facility Name/Address: Western Heights  
XRF Model/Ser#: Niton XLp 300A/ SN # 17812

LBP Inspector(s): Judith Jovick, Jessica Lindbom

Date: 2/18/2013

QE<sup>2</sup> Project #: 501040  
Start Time/page: 457  
End Time/page: 478

XRF Assay #	Lead Conc. (mg/cm <sup>2</sup> )	>=1.0 mg/cm <sup>2</sup>	Room Equivalent	Room Number	Wall Number	Testing Component	Sub.	Finish	Color	Paint Cond.	Paint Det.	Unit No.
472	0.01		304-358 (bed.)	4	B	Wall	D	P	W	I		
473	0.01		Bath	3		Ceiling						
474	0.0		304-364 (R)	1	A	Wall						
475	0.0		Kitchen	2	C	"						
476	0.0		bedroom	3	C	"						
477	0.0		bedroom	4	B	"						
478	0.0		304-365 (R)	1	A	Wall						
479	0.0		Kitchen	2	C	"						
480	0.05		bedroom	3	C	Wall						
481	0.0		bedroom	4	D	"						
482	0.0		bedroom	5	C	"						
483	0.0		304-371 (R)	1	A	"						
484	0.0		Kitchen	2	C	"						
485	0.0		bedroom	3	C	"						
486	0.0		bedroom	4	B	"						
487	0.0		304-373 (R)	1	A	"						
488	0.0		Kitchen	2	C	"						
489	0.0		bedroom	5	D	"						
490	0.0		bedroom	6	C	"						
491	0.0		304-375 (R)	1	A	"						
492	0.0		Kitchen	2	C	"	V					
493	0.0		Bedroom	5	C	"						
<div>  </div>												
Comments:							Sub. = Substrate: Plaster (P), Wood (W), Metal (M), Drywall (D), Brick (B), Concrete (C)			Paint Det. = Paint Deterioration: Chalking (CA), Mildew (M), Checking (CE), Cracking/Falking (CF), Alligatoring (A), Blistering (B), Scaling/Falking (SF), Peeling (P), Chipping (CP)		
							Finish = Paint (P), Varnish (V), Stained (S), Wallpaper (W)					
							Paint Cond = Paint Condition: Intact (I), Fair (F), Poor (P)					
Page 2 of 2												


# XRF Field Data Collection Form

Facility Name/Address: Western Heights  
XRF Model/Serial: Niton XLP 300A/ SN # 17812

LBP Inspector(s): Judith Jovick, Jessica Lindborn

Date: 2/18-19/2013

QE<sup>2</sup> Project #: 501040  
Start Time/page: 9:23  
End Time/page: 10:00

XRF Assay #	Lead Conc. (mg/cm <sup>2</sup> )	>=1.0 mg/cm <sup>2</sup>	Room Equivalent	Room Number	Wall Number	Testing Component	Sub.	Finish	Color	Paint Cond.	Paint Det.	Unit No.						
494	0.0		304-375 (bed.)	4	D	wall		P	W	I								
495	0.0		304-384 (LR)	1	B	"												
496	0.0		Kitchen	5	C	wall												
497	0.0		bathroom	4	C	"												
498	0.0		bedroom	3	D	"												
499	0.0		304-395 (LR)	1	D	wall												
500	0.0		Kitchen	2	C	"												
501	0.0		bathroom	8	C	"												
502	0.0		bedroom	4	C	"												
503	0.0		304-386 (LR)	1	A	"												
504	0.0		Kitchen	2	C	"												
505	0.0		bathroom	8	C	"												
506	0.0		Bath	8	E	Ceiling												
507	0.0		bedroom	5	C	wall												
508	0.0		304-389 (LR)	1	B	wall												
509	0.0		Kitchen	2	C	"												
510	0.0		bathroom	3	C	"												
511	0.0		304-406 (LR)	1	A	"												
512	0.0		Kitchen	2	C	"												
513	0.01		bathroom	3	B	"												
514	0.0		304-417 (LR)	1	A	"												
515	0.01		Kitchen	2	C	"												
<div>  </div>																		
Sub. = Substrate: Plaster (P), Wood (W), Metal (M), Drywall (D), Brick (B), Concrete (C)							Paint Det. = Paint Deterioration: Chalking (CA), Mildew (M), Checking (CE), Cracking/Flaking (CF), Alligatoring (A), Blistering (B), Scaling/Flaking (SF), Peeling (P), Chipping (CP)											
Finish = Paint (P), Varnish (V), Stained (S), Wallpaper (W)							Paint Cond. = Paint Condition: Intact (I), Fair (F), Poor (P)											
Comments:																		
Page 24 of 24																		

Facility Name/Address: Western Heights  
XRF Model/Ser#: Niton XLP 300A/ SN # 17812

OE <sup>2</sup> Project #:	501040
Start Time/page:	10:11
End Time/page:	10:30

Date: 2/18-19/2013

LBP Inspector(s): Judith Jovick, Jessica Lindbom[illegible]