Single-Family Housing LBP Testing Data Sheet Address/Unit No. Date___ Room Equivalent _____ Inspector Name Signature XRF Serial No.___ Classification Laboratory UNITS (pos, neg, inc) Correction Final XRF Readina Sample ID# Substrate Component Result Color Test Locations Classification (pos, neg, inc) Value img/cm² mg/cm² i % mg/cm² % Img/cm² mg/cm² mg/cm² Img/cm² ımg/cm² mg/cm mg/cm² img/cm² mg/cm² mg/cm² mg/cm i % mg/cm² Img/cm²

Single-Family Housing LBP Testing Data Sheet

Page $\frac{2}{}$ of $\frac{5}{}$

Address/Unit No. 918 Fenway Drive _______ Date August 15, 1997

Room Equivalent <u>Bedroom (room5)</u>

XRF Serial No. RS-1967 Inspector Name Mo Smith Signature

XRF Se	erial No. <u></u> k	(5-1961		_ Inspector Name	e <u>Mosr</u>	nith		Signat	ure			
Sample ID#	Substrate	Component	Color	Test Local	tion	XRF Reading	Correction Value	Corrected Reading	Classification (pos, neg, inc)	Laboratory Result	UNIT?	Laboratory Classification
- 815.1	Plaster	Wall	White	Wall A, cer	nter	1.12 mg/cm²	N/A	1.12 mg/cm²			mg/cm² %	
815.2	Plaster	Wall	White	Wall B, left		0.92 mg/cm³	N/Α	0.92 m g /cm²			mg/cm²	
815.3	Plaster	Wall	White	Wall C, right	t	1.31 mg/cm²	N/Α	1.31 mg/cm²			mg/cm² %	
_ 815.4	Plaster	Wall	White	Wall D, right	+	1.12 mg/cm²	N/Α	1.12 mg/cm²			mg/cm²	
815.5	Drywall	Walk-in closet	Blue	Wall A, bott	tom left	1.81 mg/cm²	N/Α	1.81 mg/cm²	POS		mg/cm² %	
815.6	Drywall	Walk-in closet	Blue	Wall B, cent	ter	1.62 mg/cm²	NΑ	1.62 mg/cm²	POS		mg/cm² %	
815.7	Drywall	Walk-in closet	Blue	Wall C, top	right	2.11 mg/cm²	N/Α	2.11 mg/cm²	P o S		mg/cm²	
815.8	Drywall	Walk-in closet	Blue	Wall D, top	right	1.85 mg/cm ³	M/A	1.85 mg/cm³	P O S		mg/cm²	
				alls in the bedroo				ls had			mg/cm²	
		inting history as is component:	the 4 walls to	ested, the averag	ge was calcul	ated for the	ourpose of				mg/cm²	
		1.31 + 1.12) / 4	=1.12 mg/cn	n²=POS							mg/cm²	
											mg/cm²	
											mg/cm²	
815.9	Wood	Window sill	Brown	Cente	r	2.23 mg/cm²	0.12	2.11 mg/cm²	P 0 S		mg/cm²	
815.10	Metal	Door frame	Black	Top		2.40 mg/cm ²	0.10	2.30 mg/cm²	P o S		mg/cm²	
815.11	Wood	Shelf	White	Cente	r	4.20 mg/cm ²	<i>N</i> / A *	4.20 mg/cm²	POS		mg/cm²	
815.12	Wood	Baseboard	Grey	Wall B, ce	enter	5.50 mg/cm ²	N/A	5.50 mg/cm²	P o S		mg/cm²	
815.13	Wood	Crown molding	Grey	Wall D, le	eft	5.70 mg/cm²	N∕A	5.70 mg/cm²	P 0 S		mg/cm² %	
					*Substrate	correct i on no	t required	on wood f	or readings	above	mg/cm²	
						per XRF Perf					mg/cm²	
											mg/cm²	
											mg/cm²	

Single Family Housing: Component Type Report Page of					
Address/Unit No.					
Date	XRF Serial No				
Inspector Name		Signature			
Component Type Description	Number of Readings	Number of Positives*	Number of Negatives*	Component Type Classification	
	•				

	Single Family		omponent T	ype Report	Page 3 of 5
Address/Unit No.	918 Fenway Driv	e Bedroom			
Date August	- 15, 1997	_ XRF Serial No	RS-1967		
Inspector Name	Mo Smith		Signature		
Component T	ype Description	Number of Readings	Number of Positives*	Number of Negatives*	Component Type Classification
Window Sill	(Wood)	15	11	4	Positive

	Calibi	ration Check	Test Results	Page of
ldress/Unit No.				
		_		
			Signature	
spector Name			Oignature	
NIST SRM Used	mg	/cm² Calibratio	on Check Tolerance Used	mg/cn
First Calibration C			on one of the order	
	NIST SRM		First Average	Difference Between First
First Reading	Second Reading	Third Reading	First Average	Average and NIST SRM*
First Reading	NIST SRM Second Reading	Third Reading	Second Average	Difference Between Second Average and NIST SRM*
Third Calibration (Check <i>(if required</i>)			
	NIST SRM			Difference Between Third
First Reading	Second Reading	Third Reading	Third Average	Average and NIST SRM*
Fourth Calibration	• •	0		
First Booding	NIST SRM	Third Dooding	Fourth Average	Difference Between Fourth Average and NIST SRM*
First Reading	Second Reading	Third Reading		Average and IVIOT ORIVI
		•	NIST SRM film value is s device, consult the manufa	acturer's

¹⁹⁹⁷ Revision Form 7.2

J J			k Test Results	Page/ of <i>(</i>
	enway Gardens	•	>1ex	
	Oldtown, Marylan	nd 21334		
evice WXY Ca	ompany, Inc. x	(RF 2.1		
ate August 18	5, 1997	XRF Serial No.	RS-1967	
	1 PG Testing, Inc		·	
	Mo Smith		Signature	
spector Name	THE STRUCT		oig.ia.a.c	
NIST SRM Used	1.02 mg	/cm² Calibrati	on Check Tolerance Us	ed <i>O.</i> 3 mg/cm
First Calibration (Check			
	NIST SRM		First Average	Difference Between First
First Reading	Second Reading	Third Reading	_	Average and NIST SRM*
1.12	1.00	1.08	1.07	0.05
First Reading	NIST SRM Second Reading	Third Reading	Second Average	Difference Between Second Average and NIST SRM*
		0.89	0.94	-0.08
0.86	1.07	0.07	0.77	
	Check (if required)	<i>D</i> ,07	0.77	
Third Calibration	Check <i>(if required)</i> NIST SRM		Third Average	Difference Between Third
	Check (if required)	Third Reading		
Third Calibration	Check (if required) NIST SRM Second Reading	Third Reading	Third Average	Difference Between Third
Third Calibration First Reading	Check (if required) NIST SRM Second Reading Check (if required)	Third Reading		Difference Between Third Average and NIST SRM*

¹⁹⁹⁷ Revision

Idraee/Linit No. (918 Fenway Drive	9		Page/_ of
	<u>Oldtown, Marylan</u>			
	ompany, Inc. x			
	5, 1997		RS-1967	
ontractor <u>RIGA</u>	1 PG Testing, Inc	•		
spector Name	Mo Smith		Signature	
NIST SRM Used	1.02 mg	/cm² Calibratio	on Check Tolerance Used	1 <i>0.</i> 2 mg/cm
First Calibration C	heck			
FI (D	NIST SRM	T	First Average	Difference Between First
First Reading	Second Reading	Third Reading	1.08	Average and NIST SRM*
1.18	0.99	1.07	1.08	0.06
First Reading	NIST SRM Second Reading	Third Reading	Second Average	Difference Between Second Average and NIST SRM*
First Reading		Third Reading	Second Average	
1.45	1.21	1.10	1.25	0.22
Third Calibration	ed Calibratic Check (if required) NIST SRM		T	Difference Between Third
First Reading	Second Reading	Third Reading	Third Average	Average and NIST SRM*
	n Check <i>(if required</i> NIST SRM	1)		Difference Between Fourth
Fourth Calibration	Second Reading	Third Reading	Fourth Average	Average and NIST SRM*
Fourth Calibration				
	Occord Reading			

Completed Form 7.2

			5	Substrate (Correction	Values	Page	of
A	dr	ess/Unit No.						
Da	ate	·		XRF Seria	 al No			
In	spe	ector Name			Signature			
L	lse	this form when the X	(RF Performance	e Characteristics S	heet indicates tha	t correction for subs	strate bias is needed	d.
		Substrate	Brick	Concrete	Drywall	Metal	Plaster	Wood
L	Γ	First Reading						
0 C	1	Second Reading						
a t		Third Reading						
i		First Reading						
0 n	2	Second Reading						
		Third Reading						
	(Correction Value (Average of the Six Readings)						
Т	ran	nsfer Correction Value	for each substra	ate to the 'Correction	on Value' column of	f the LBP Testing Da	ata Sheet.	
N	ote	es:						
Ì								

		Su	bstrate Corre	ection Values	Page 2 of 5
Address/	Unit No.	918 Fenway Driv	e		
		Oldtown, Maryla	nd 21334		
Date _	August	15, 1997	XRF Serial No	RS-1967	
Inspector	r Name	Mo Smith	Sig	nature	

Use this form when the XRF Performance Characteristics Sheet indicates that correction for substrate bias is needed.

		Substrate	Brick	Concrete	Drywall	Metal	Plaster	Wood
L		First Reading				0.10		0.14
0 C	1	Second Reading				0.09		0.13
∥a ₊		Third Reading				0.09		0.12
¦		First Reading				0.10		0.11
0 n	2	Second Reading				0.09		0.12
		Third Reading				0.11		0.12
	(orrection Value Average of the Six Readings)				0.10		0.12

Transfer Correction Value for each substrate to the 'Correction Value' column of the LBP Testing Data Sheet.

Notes:

Metal: Location 1 - Door frame, Side B, Room I

Location 2 - Door frame, Side C, Room 3

Wood: Location 1 - Window Sill, Side A, Room 1

Location 2 - Window Sill, Side B, Room 2

pector Name		Signature	Number of Dis to be Sar	Number of Distinct Units to be Sampled	
otal Number of Units	Random Number*	Random Number times Total Number of Units #	Round up for Unit Number to be Sampled	Distinct Unit Number	

Selection of Housing Units

Signature

Testing Site Fenway Gardens Housing Complex

Inspector Name Mo Smith

Page / of 6

Date August 16, 1997

Number of Distinct Units to be Sampled

35

Total Number of Units	Random Number*	Random Number times Total Number of Units #	Round up for Unit Number to be Sampled	Distinct Unit Number
55	0.583	32./	33	1
55	0.107	5.9	6	2
55	0.873	48.0	49	3
55	0.085	4.7	5	4
55	0.961	52.9	<i>5</i> 3	5
55	0.111	6.1	7	6
55	0.575	31.6	32	7
55	0.241	/3.3	14	8
55	0.560	3 <i>0.8</i>	3/	9
55	0.884	48.6	49	DUP
55	0.341	18.8	19	10
55	0.851	46.8	47	//
55	0.574	31.6	32	DUP
55	0.221	12.2	/3	12
55	0.103	5.7	-6-	DUP
55	0.375	20.6	2/	/3
55	0.625	34.4	35	14
55	0.395	21.7	22	15
55	0.095	5.2	-6-	DUP
55	0.772	42.5	<i>4</i> 3	16
55	0.761	41.9	42	17
55	0.515	28.3	29	18
55	0.855	47.0	48	19
55	0.679	37.3	38	20
55	0.635	34.9	36	DUP
55	0.622	34.2	36	DUP
55	0.323	17.8	18	2/
55	0.431	23.7	24	22
55	0.921	50.7	51	23
55	0.189	10.4	//	24
55	0.349	19.2	20	25
55	0.031	1.7	2	26
* Obtained f	from a hand-held calculator	Completed Form 7.4	# Record to one decima	l place (e.g., 25.4)

Selection of Housing Units
Testing Site Fenway Gardens Housing Complex

spector Name	e Mo Smith	Signature	Number of Di to be Sa	mpled 35
otal Number of Units	Random Number*	Random Number times Total Number of Units #	Round up for Unit Number to be Sampled	Distinct Unit Number
<i>55</i>	0.735	40.4	41	27
55	0.929	51.1	52	28
55	0.229	12.6	13	DUP
55	0.267	14.7	15	29
55	0.155	8.5	9	30
55	0.284	15.6	16	3/
55	0.447	24.6	25	32
55	0.487	26.8	27	33
55	0.721	39.7	40	34
55	0.603	33.2	34	35
Obtained from	a hand-held calculator	Completed Form 7.4	# Record to one decima	l place (e.g., 25.

Addre	ss/Unit No	•								Page		
								Date				
Room	Equivaler	nt										
XRF Serial No				_ Inspector Name			Signature					
Sample ID#	Substrate	Component	Color	Replication Number	Test Location	XRF Reading	Correction Value	Corrected Reading	Classification (pos, neg, inc)	Laboratory Result		Classification
										i i	mg/cm² %	
											mg/cm² %	
										I	mg/cm²	
											mg/cm²	
											mg/cm²	
											mg/cm²	
										I	mg/cm²	
											mg/cm²	
											% mg/cm² %	<u> </u>
										ı	mg/cm ²	!
											% mg/cm² %	!
										Į	mg/cm ²	1
											% mg/cm²	<u> </u>
										I	% mg/cm²	<u> </u>
											% mg/cm²	
											% mg/cm² %	
										i	mg/cm²	
											% mg/cm² %	
										1	% mg/cm² %	!
										 	% mg/cm² %	!
										<u> </u>	% mg/cm² %	!
											% mg/cm² %	l t

_____ Date_ August 16, 1997 Address/Unit No. Fenway Gardens Housing Complex Room Equivalent Unit #9, Bedroom XRF Serial No. RS-1967 _____ Inspector <u>Mo</u> Smith Signature Laboratory UNITS Corrected Classification Replication Correction Sample ID# XRF Reading Substrate Component Test Location Reading (pos, neg, inc) Value Result Classification Number Img/cm² 816.1 | Concrete Ceiling beam White 1.57 MA MA Wall A Pos mg/cm² 0.52 816.2 Wood MA Brown Inc Closet door MA Door Img/cm² Wall A 816.3 0.22 MA MA Neg Plaster Walls White Window mg/cm² 0.95 816.4 MA Wood Wall B MA Inc Brown casina Img/cm² 0.13 Img/ci 816.5 Wall C 0.90 Wood MA MA Inc Door Nea Green 816.6 Wood 0.40 MA MA Nea Wall D Green Baseboard Supp**o**rt 816.7 Concrete mg/cm² 2.50 MA MΑ White Corner of walls D and A Pos column 0.41 img/cm² 816.8 Wall D, right side MA Inc Radiator MA Brown

mg/cm²

mg/cm²

Img/cm²

mg/cm² % mg/cm²

mg/cm²

mg/cm²

mg/cm² % mg/cm² % i %

Completed Form 7.5

Address/Unit No.	Multifamily Housing: Component Type Report											
Date	XRF Serial No											
Inspector Name	Signature											
	Number	POSITIVE				CLUSIVE*		NEGATIVE		Comp. Type		
Description	of Readings	Number	Percent	Number	w Percent	Hi Number	gn Percent	Number	Percent	Comp. Type Classif.		
										-		
		<u> </u>	<u> </u>		l	<u> </u>				<u> </u>		

Multifamily Housing: Component Type Report Page 3 of 6												
Address/Unit No. Fenwo	vay Gardens Housing Complex/Unit #9											
Date August 16, 1997 XRF Serial No. RS-1967												
Inspector Name <u>Mo</u>	Smith					Slgn	ature					
Description	Total		SITIVE I	INCONCLU Low		CLUSIVE High		NEG	ATIVE	Final		
Description	Number	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Class.		
Wood Shelves	83	4	4.8	5	6.0	9	10.8	65	78.3	NEG		
Wood Doors	110	40	36.4	12	10.9	8	7.3	50	45.5	POS		
Wood Door Casings	34	-6	17.6	-5	14.7	- 5	14.7	18	52.9			
Wood Hall Cabinets	60	5	8.3	8	/3.3	12	20.0	3 <i>5</i>	58.3	POS		
Wood Window Stools	110	60	54.5	30	27.3	10	9.1	10	9.1	POS		
Wood Window Casings	<i>6</i> 3	0	0.0	0	0.0	0.0	0.0	<i>6</i> 3	100	NEG		
Plaster Walls	110	0	0.0	10	9.1	9	8.2	91	82.7	NEG		
Concrete Support Columns	40	40	100	0	0.0	0	0.0	0	0.0	POS		
Concrete Ceiling Beams	40	40	100	0	0.0	0	0.0	0	0.0	POS		
Metal Baseboards	45	0	0.0	0	0.0	0	0.0	45	100	NEG		
Metal Gutters	50	20	40.0	8	16.0	2	4.0	20	40.0	POS		
Brick Stairway	50	10	20.0	4	8.0	Ь	12.0	3 <i>O</i>	60.0	POS		
Metal Radiators*	55	0	0.0	//	20.0	/3	23.6	3/	56.4	POS		
Wood Door Casings	40	12	30.0	5	12.5	5	12.5	18	45.0	POS		
* Metal Radiators:												
(retest of high inconclusives)	/3	9	69.2					4	30.7	POS		
			•									

1997 Revision

Completed Form 7.6