

Location: B-15 East Floor - Walls Site: OUSEML RWP# EMU-02 Survey # 033 Survey Type: Class 1 pg. 1 of 2

Smear (CPM/100 cm ²)					
Direct Count (CPM/Direct Frisk)					
No.	α	β	No.	α	β
1	1	166	8 26	0	151
2	1	208	9 27	0	184
3	0	154	10 28	2	66
4	1	194	11 29	1	141
5	1	244	12 30	0	187
6	1	186	13 31	0	140
7	2	217	14 32	1	215
8	1	303	15 33	0	323
9	1	228	16 34	0	129
10	1	184	17 35	0	151
11	1	201	18 36	2	171
12	0	292	19 37	1	127
13	0	231	20 38	0	188
14	0	202	21 39	0	297
15	3	264	22 40	0	307
16	1	222	41		
17	1	196	42		
18	0	202	43		
19	2	221	44		
20	5	215	45		
21	0	176	46		
22	4	266	47		
23	1	314	48		
24	1	175	49		
25	0	124	50		

circle one

Scans: 2360/43-37 used

Walls: β average = 600 CPM Max = 900 CPM
All alpha \leq background!

Floor: β average = 500 CPM, Max = 900 CPM
All alpha \leq background

Room background: α = 5 CPM β = 378 CPM

* - systematic 15 re-taken after floor hot spot was remediated. Readings: α 0, β 179, taken on 3/10/08.
Bios 40: Floor spot that was remediated.

Comments	Surveyed By:	Date:	Instrument	Serial #	α Eff.	β Eff.	α Bkg.	β Bkg.	γ Bkg.	Cal. Due	Key
2360 SN: 193667	R. Shumaker	3/7/08	2360/43-37	193667/120548	5.8%	18.3%	0	143	N/A	11/11/08	
43-37 SN: 120548	K. Andrews	3/7/08 & 3/10/08	2360/43-37	173675/216711	17.6%	31.7%	9	339	N/A	5/30/08	<input checked="" type="checkbox"/> A/S Location <input type="checkbox"/> Boundary <input type="checkbox"/> Smear <input type="checkbox"/> Dose Rate /hr <input type="checkbox"/> Direct Reading CPM/direct frisk <input type="checkbox"/> Grab Sample
No. 38 = Bios Sample on wall area that was remediated.											
No. 39 Bios Sample on wall at highest scan activity											
	Reviewed By:	Date:	Nicholas Benker 6/4/12 Original Survey misplaced								

Location: B15 East Floor + walls RWP# EML-002 Survey# 033 Survey Type: Smears pg 26
 Site: DHS-EML

Smear (CPM/100 cm ²)					
Direct Count (CPM/Direct Frisk)					
No.	α	β	No.	α	β
1	0	72	26	1	90
2	0	68	27	1	65
3	1	80	28	0	73
4	1	85	29	0	82
5	0	75	30	0	80
6	0	76	31	0	69
7	0	73	32	1	83
8	1	69	33	1	78
9	0	67	34	1	74
10	1	80	35	0	67
11	0	61	36	0	77
12	0	71	37	0	87
13	0	67	38	0	72
14	0	56	39	0	79
15	0	75	40	0	88
16	0	75	41		
17	2	73	42		
18	0	67	43		
19	0	67	44		
20	1	79	45		
21	1	77	46		
22	1	76	47		
23	0	85	48		
24	0	58	49		
25	0	96	50		

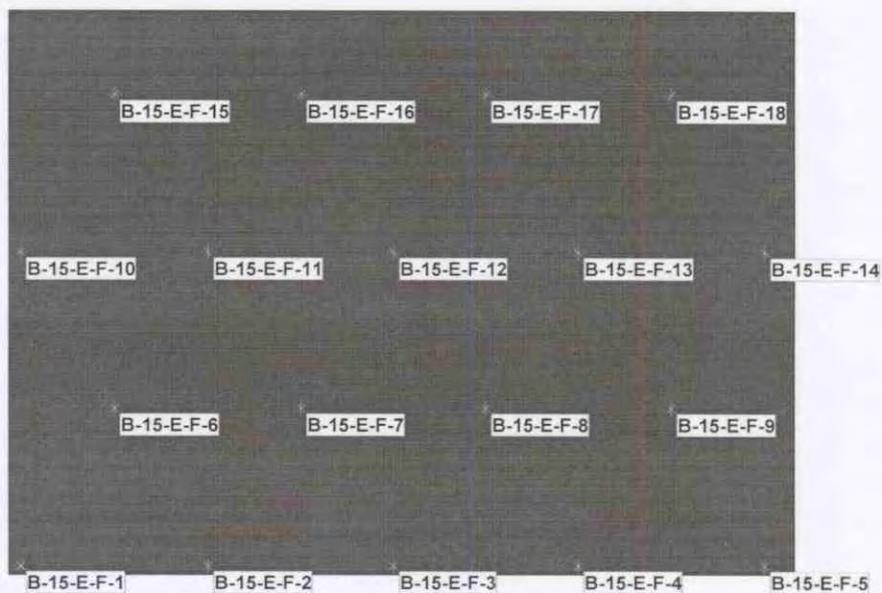
circle one

Release of Equipment / Materials

Items	Average (cpm)	Max (cpm)
1) Floors		
2)		
3)		
4)		
5)		
6)		
7)		
8)		
9)		
10)		
11)		
12)		
13)		
14)		
15)		
16)		
17)		
18)		
19) Walls		
20)		
21)		
22)		
23)		
24)		

Items	Average (cpm)	Max (cpm)
25) Walls		
26)		
27)		
28)		
29)		
30)		
31)		
32)		
33)		
34)		
35)		
36)		
37)		
38)		
39)		
40) Floor bias		
41)		
42)		
43)		
44)		
45)		
46)		
47)		
48)		

Comments	Surveyed By:	Date:	Instrument	Serial #	α Eff.	β Eff.	α Bkg.	β Bkg	γ Bkg	Cal. Due	Key
	<u>GBrist</u>	<u>3/14/08</u>	<u>2929 / 43-10-1</u>	<u>29566 / PR132720</u>	<u>53.370</u>	<u>2052</u>	<u>1</u>	<u>75</u>	<u>N/A</u>	<u>1/4/09</u>	<ul style="list-style-type: none"> ■ A/S Location •• Boundary ○ Smear □ Dose Rate _____ /hr • Direct Reading CPM/direct frisk △ Grab Sample
	Reviewed By:	Date:	Original Survey In/Placed								
	<u>Nicholas Berlin</u>	<u>6/4/12</u>									

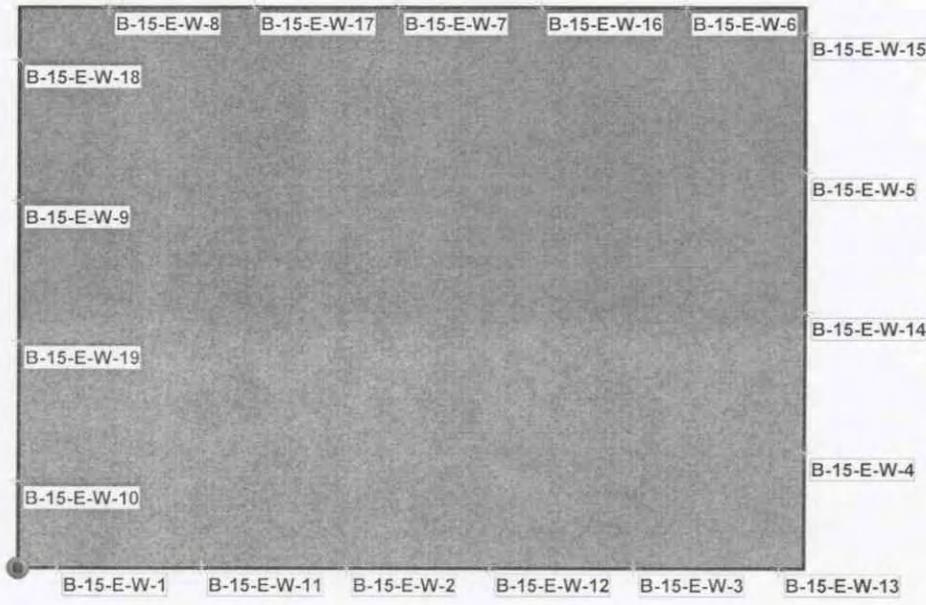


Survey Unit B-15 East-F, Class 1 Floors

Area: Room B-15 East

<u>X Coord</u>	<u>Y Coord</u>	<u>Label</u>	<u>Value</u>	<u>Type</u>	<u>Historical</u>
0.2615	0.1997	B-15-E-F-1		Systematic	
4.2842	0.1997	B-15-E-F-2		Systematic	
8.3068	0.1997	B-15-E-F-3		Systematic	
12.3295	0.1997	B-15-E-F-4		Systematic	
16.3522	0.1997	B-15-E-F-5		Systematic	
2.2729	3.6834	B-15-E-F-6		Systematic	
6.2955	3.6834	B-15-E-F-7		Systematic	
10.3182	3.6834	B-15-E-F-8		Systematic	
14.3408	3.6834	B-15-E-F-9		Systematic	
0.2615	7.1672	B-15-E-F-10		Systematic	
4.2842	7.1672	B-15-E-F-11		Systematic	
8.3068	7.1672	B-15-E-F-12		Systematic	
12.3295	7.1672	B-15-E-F-13		Systematic	
16.3522	7.1672	B-15-E-F-14		Systematic	
2.2729	10.6509	B-15-E-F-15		Systematic	
6.2955	10.6509	B-15-E-F-16		Systematic	
10.3182	10.6509	B-15-E-F-17		Systematic	
14.3408	10.6509	B-15-E-F-18		Systematic	

Soft



Survey Unit B-15 East-F, Class 1 Walls

Area: Room B-15 East

X Coord	Y Coord	Z Coord	Label	Value	Type	Historical	Surface	LX	LY
0.8360	0.0000	0.0922	B-15-E-W-1		Systematic		Wall 4	16.1640	0.0922
7.0838	0.0000	0.0922	B-15-E-W-2		Systematic		Wall 4	9.9162	0.0922
13.3315	0.0000	0.0922	B-15-E-W-3		Systematic		Wall 4	3.6685	0.0922
17.0000	2.5792	0.0922	B-15-E-W-4		Systematic		Wall 3	9.9208	0.0922
17.0000	8.8269	0.0922	B-15-E-W-5		Systematic		Wall 3	3.6731	0.0922
14.4254	12.5000	0.0922	B-15-E-W-6		Systematic		Wall 2	14.4254	0.0922
8.1777	12.5000	0.0922	B-15-E-W-7		Systematic		Wall 2	8.1777	0.0922
1.9299	12.5000	0.0922	B-15-E-W-8		Systematic		Wall 2	1.9299	0.0922
0.0000	8.1822	0.0922	B-15-E-W-9		Systematic		Wall 1	8.1822	0.0922
0.0000	1.9345	0.0922	B-15-E-W-10		Systematic		Wall 1	1.9345	0.0922
3.9599	0.0000	5.5029	B-15-E-W-11		Systematic		Wall 4	13.0401	5.5029
10.2076	0.0000	5.5029	B-15-E-W-12		Systematic		Wall 4	6.7924	5.5029
16.4553	0.0000	5.5029	B-15-E-W-13		Systematic		Wall 4	0.5447	5.5029
17.0000	5.7030	5.5029	B-15-E-W-14		Systematic		Wall 3	6.7970	5.5029
17.0000	11.9508	5.5029	B-15-E-W-15		Systematic		Wall 3	0.5492	5.5029
11.3015	12.5000	5.5029	B-15-E-W-16		Systematic		Wall 2	11.3015	5.5029
5.0538	12.5000	5.5029	B-15-E-W-17		Systematic		Wall 2	5.0538	5.5029
0.0000	11.3061	5.5029	B-15-E-W-18		Systematic		Wall 1	11.3061	5.5029
0.0000	5.0584	5.5029	B-15-E-W-19		Systematic		Wall 1	5.0584	5.5029

Location: D-29 4th Fl. News Rm.

RWP#

EMC #002

Survey #

037

Survey Type:

D-29 F.S.S.

1 pg. of 4

Smear (CPM/100 cm²)

circle one

Release of Equipment / Materials

Class 1 FSS State/Smear results

No.	α	β	No.	α	β
1	0	82	26		
2	0	72	27		
3	2	85	28		
4	0	50	29		
5	1	76	30		
6	0	66	31		
7	0	65	32		
8	1	72	33		
9	0	64	34		
10	1	76	35		
11	0	65	36		
12	1	67	37		
13	0	68	38		
14	2	60	39		
15	1	48	40		
16	0	52	41		
17	0	67	42		
18	1	65	43		
19	2	61	44		
20	0	59	45		
21			46		
22			47		
23			48		
24			49		
25			50		

Items	Average (cpm)	Max (cpm)
1) D-29-F-1	0, 260	
2) D-29-F-2	0, 263	
3) D-29-F-3	1, 286	
4) D-29-F-4	3, 264	
5) D-29-C-5	2, 269	
6) D-29-C-6	0, 265	
7) D-29-C-7	6, 323	
8) D-29-C-8	1, 263	
9) D-29-C-9	2, 311	
10) D-29-W-10	3, 403	
11) D-29-W-11	4, 373	
12) D-29-W-12	4, 388	
13) D-29-W-13	2, 381	
14) D-29-W-14	1, 267	
15) D-29-W-15	2, 340	
16) D-29-W-16	0, 240	
17) D-29-W-17	3, 376	
18) D-29-F/B-18	6, 287	
19) D-29-B/B-19	1, 225	
20)		
21)		
22)		
23)		
24)		

Items	Average (cpm)	Max (cpm)
25)		
26)		
27)		
28)		
29)		
30)		
31)		
32)		
33)		
34)		
35)		
36)		
37)		
38)		
39)		
40)		
41)		
42)		
43)		
44)		
45)		
46)		
47)		
48)		

Comments	Surveyed By:	Date:	Instrument	Serial #	α Eff.	β Eff.	α Bkg.	β Bkg.	γ Bkg.	Cal. Due	Key	
	K. ANDREWS	3/24/08	2300 w/ 43-68	193667 / PR 120548	.058	.183	0	133	N/A	11/11/08		
	K. ANDREWS	3/24/08	2929 w/ 43-10-1	129566 w/ 8R132720	.333	.204	0.5	70.1	N/A	01/05/09	■ AVS Location	
											_ Boundary	
											○ Smear	
											□ Dose Rate _____ /hr	
											* Direct Reading CPM/direct frisk	
	Nicholas M. Berlin	12/28/11	Original survey misplaced									△ Grab Sample

Scan Information Sheet

SU/Room: D-29 men's bathroom

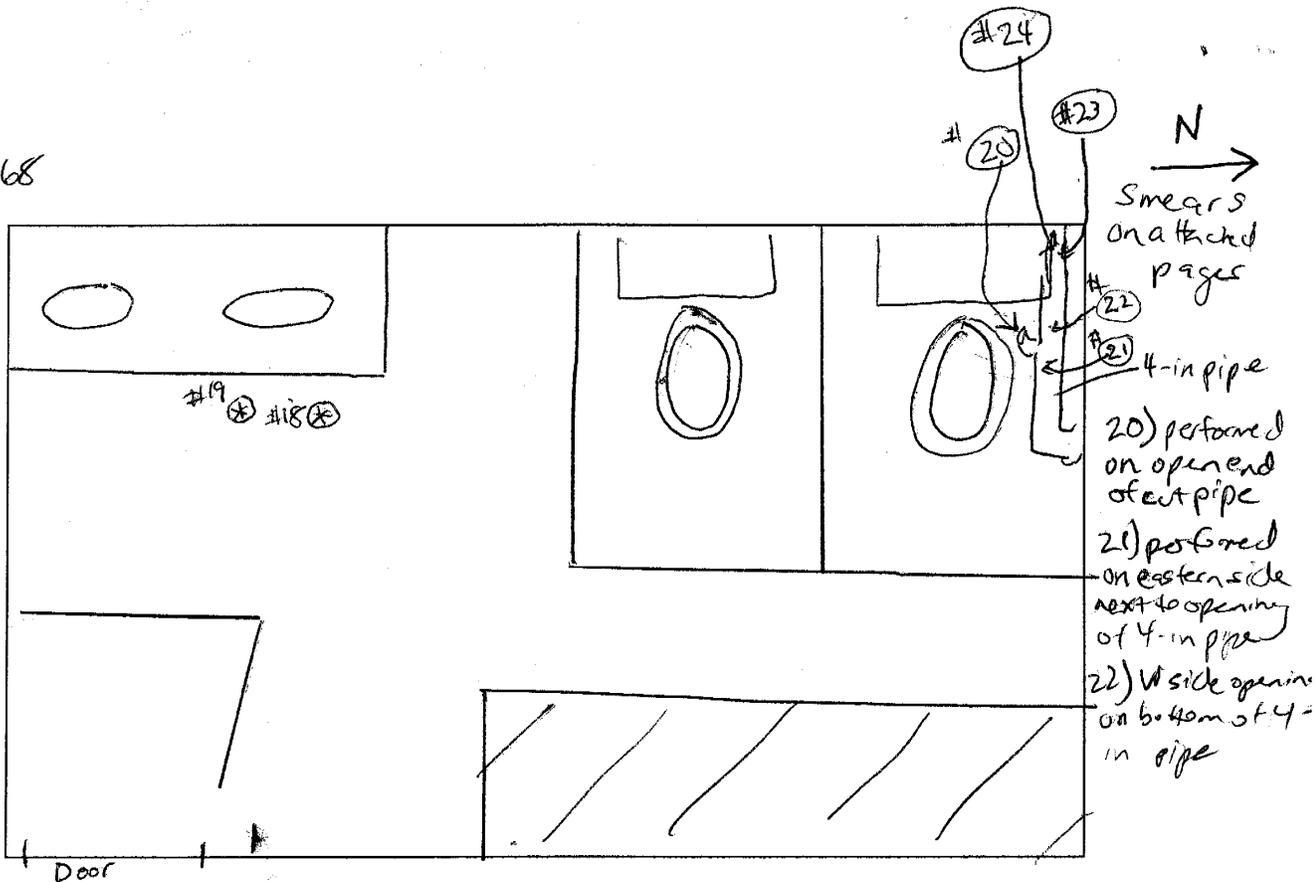
Class: 1

Tech Init.: GB/KA

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

Directs (cpm) w/43-68

- (18) 6/287
- (19) 1/225
- ↳ on ceiling
- (20)
- (1) 4/338
- (2) 2/384
- (3) 6/49
- (24) 6/382
- w/43-93
- background about drop ceiling
- 1/219



Notes: 100% scan of topsides of ceiling tiles performed w/2360/4368 #19366-7/PR120548

100% scan of walls + ceiling performed w/2360/4337 #184938/PR178371

Floors: Average: 500cpm, Max: 1000cpm beta - d range - 0-36 cpm

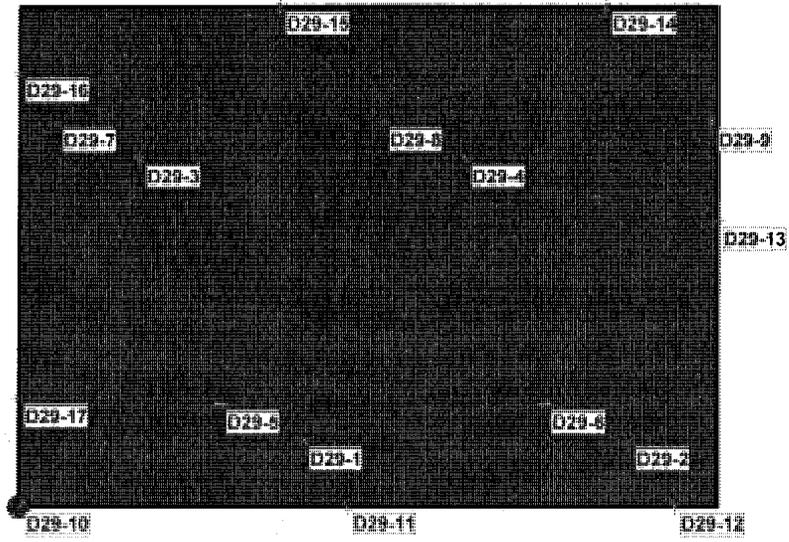
Walls + Ceiling: Average 800cpm, Max 1200cpm beta - d range - 10-40cpm

GB 3/24/08 Ceiling tiles scanned Average: 700cpm, Max 1000cpm

Tech Signature: 3/24/08 *[Signature]*

Date: 3/24/08

Room D-29



Class 1 Floors, Walls, and Ceiling

Area: Room D-29

<u>X Coord</u>	<u>Y Coord</u>	<u>Z Coord</u>	<u>Label</u>	<u>Value</u>	<u>Type</u>	<u>Historical</u>	<u>Surface</u>	<u>LX</u>	<u>LY</u>
6.2421	1.4174	0.0000	D29-1		Systematic		Floor	6.2421	1.4174
13.4147	1.4174	0.0000	D29-2		Systematic		Floor	13.4147	1.4174
2.6559	7.6290	0.0000	D29-3		Systematic		Floor	2.6559	7.6290
9.8284	7.6290	0.0000	D29-4		Systematic		Floor	9.8284	7.6290
4.4191	2.2248	8.0000	D29-5		Systematic		Ceiling	4.4191	2.2248
11.5916	2.2248	8.0000	D29-6		Systematic		Ceiling	11.5916	2.2248
0.8328	8.4364	8.0000	D29-7		Systematic		Ceiling	0.8328	8.4364
8.0053	8.4364	8.0000	D29-8		Systematic		Ceiling	8.0053	8.4364
15.1779	8.4364	8.0000	D29-9		Systematic		Ceiling	15.1779	8.4364
0.0352	0.0000	2.7990	D29-10		Systematic		Wall 4	15.2648	2.7990
7.2077	0.0000	2.7990	D29-11		Systematic		Wall 4	8.0923	2.7990
14.3802	0.0000	2.7990	D29-12		Systematic		Wall 4	0.9198	2.7990
15.3000	6.2528	2.7990	D29-13		Systematic		Wall 3	4.7472	2.7990
12.8747	11.0000	2.7990	D29-14		Systematic		Wall 2	12.8747	2.7990
5.7021	11.0000	2.7990	D29-15		Systematic		Wall 2	5.7021	2.7990
0.0000	9.5296	2.7990	D29-16		Systematic		Wall 1	9.5296	2.7990
0.0000	2.3571	2.7990	D29-17		Systematic		Wall 1	2.3571	2.7990

Location: **B-15** RWP# **EML-002** Survey # **041** Survey Type: **Static/Smear FSS** pg. 1 of 6

Smear (CPM/100 cm ²)					
Direct Count (CPM/Direct Frisk)					
No.	α	β	No.	α	β
1	0	54	26	0	73
2	0	50	27	1	72
3	0	65	28	0	87
4	0	66	29	0	84
5	1	80	30	0	82
6	0	73	31	0	89
7	1	58	32	1	82
8	4	69	33	0	78
9	0	65	34	0	74
10	0	75	35	1	73
11	0	63	36	0	72
12	0	74	37	0	89
13	0	57	38	0	75
14	0	64	39		
15	1	70	40		
16	1	70	41		
17	0	64	42		
18	1	67	43		
19	1	61	44		
20	0	77	45		
21	1	77	46		
22	2	77	47		
23	1	70	48		
24	0	73	49		
25	2	74	50		

circle one

Direct Measurements

Location	Result (cpm)	α/β
1) Floor #1	6/233	
2)	4/284	
3)	1/219	
4)	4/179 ^{cp} 4/236	
5)	0/193	
6)	4/215	
7)	0/226	
8)	4/244	
9)	1/206	
10)	1/220	
11)	1/198	
12)	2/257	
13)	2/214	
14)	5/217	
15)	7/206	
16)	2/225	
17) ✓	2/247	
18) Wall #1	0/198	
19)	2/195	
20)	1/191	
21)	4/179	
22)	3/209	
23)	0/182	
24) ↓	1/127	

Location	Result (cpm)	α/β
25) Wall #8	1/128	
26)	3/144	
27)	2/123	
28)	1/165	
29)	1/180	
30)	2/167	
31)	0/174	
32)	1/165	
33)	3/160	
34) ↓	2/224	
35) Floor bias #18	1/202	
36) Floor bias #19	43/395	
37) Wall bias #18	14/403	
38) Wall bias #19	3/190	
39)		
40)		
41)		
42)		
43)		
44)		
45)		
46)		
47)		
48)		

Comments	Surveyed By:	Date:	Instrument	Serial #	α Eff.	β Eff.	α Bkg.	β Bkg.	γ Bkg.	Cal. Due	Key	
	GBright	3/27/08	2360 43-68	193667/ PR 02548	5.8%	18.3%	0	144	N/A	11/11/08		
	BStoemaker	3/27/08	2322/ 4340-1	129566/ PR 132720	33.5%	20.4%	1	72	N/A	1/4/09	■ A/S Location	
											•• Boundary	
											○ Smear	
											□ Dose Rate _____ /hr	
	Reviewed By:	Date:									• Direct Reading CPM/direct frisk	
	Nicholas Berline	6/4/12	Original Survey M&P placed									△ Grab Sample

Survey # 041

2006

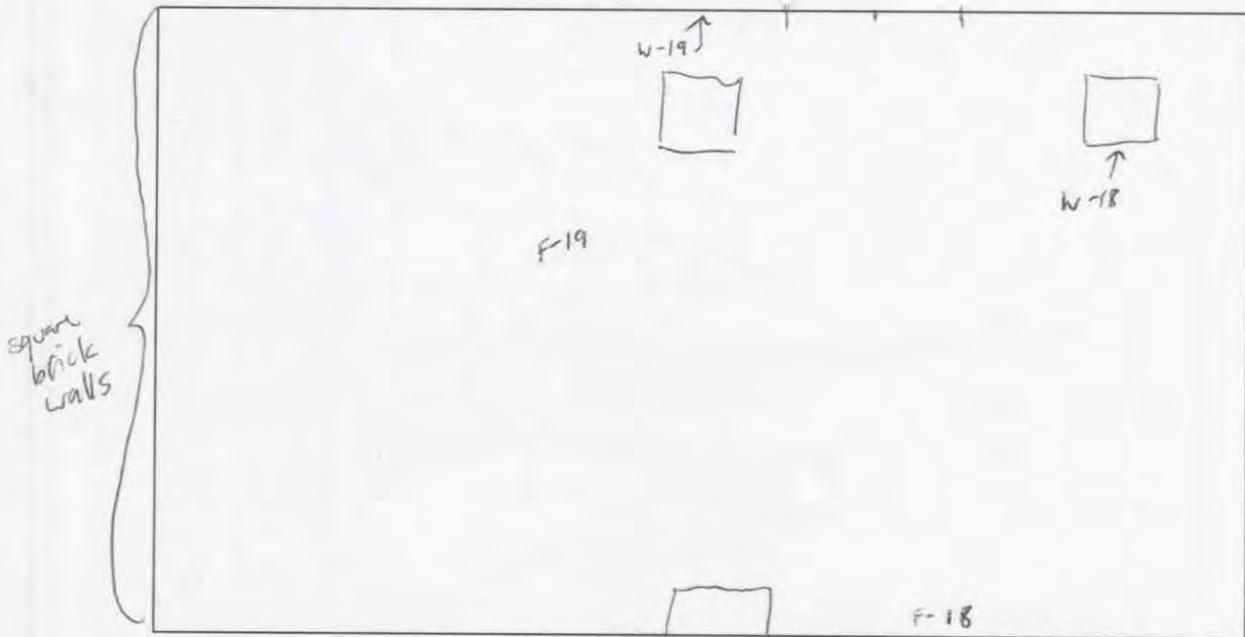
Scan Information Sheet

SU/Room: B-15

Class: 1

Tech Init.: GB

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Scans of floors + walls performed with 2360/43-37 #184938/PRJ78371

Beta Floor scans - Ranged from average of 500cpm to max of 800 - α levels \leq bkgd except where noted (bias)

Beta Wall scans - Ranged from average of 600cpm to max of 900 - elevated beta levels due mostly to high

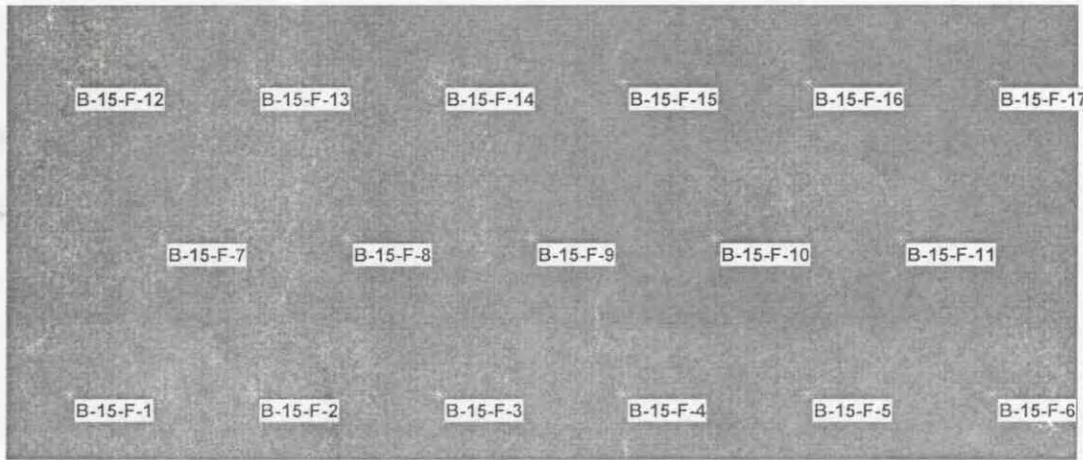
bkgd levels of square brick. α levels \leq bkgd except where bias measurement performed.

Tech Signature: *GB*

Date: 3/27/08

308 #41

↑
2

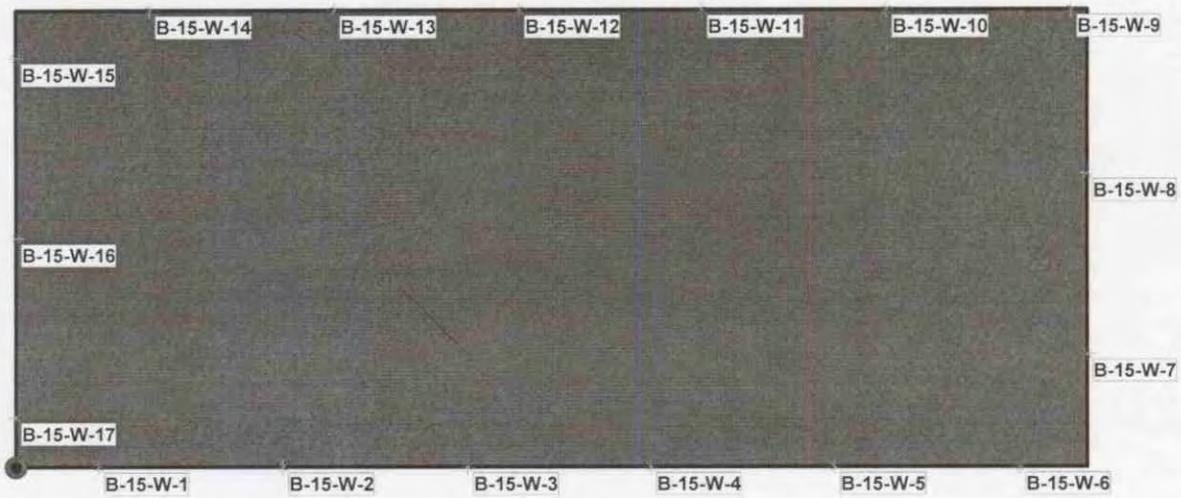


Survey Unit B-15-F, Class 1 Floors

Area: Room B-15

<u>X Coord</u>	<u>Y Coord</u>	<u>Label</u>	<u>Value</u>	<u>Type</u>	<u>Historical</u>
3.2795	3.4611	B-15-F-1		Systematic	
12.7483	3.4611	B-15-F-2		Systematic	
22.2172	3.4611	B-15-F-3		Systematic	
31.6860	3.4611	B-15-F-4		Systematic	
41.1549	3.4611	B-15-F-5		Systematic	
50.6237	3.4611	B-15-F-6		Systematic	
8.0139	11.6614	B-15-F-7		Systematic	
17.4828	11.6614	B-15-F-8		Systematic	
26.9516	11.6614	B-15-F-9		Systematic	
36.4204	11.6614	B-15-F-10		Systematic	
45.8893	11.6614	B-15-F-11		Systematic	
3.2795	19.8616	B-15-F-12		Systematic	
12.7483	19.8616	B-15-F-13		Systematic	
22.2172	19.8616	B-15-F-14		Systematic	
31.6860	19.8616	B-15-F-15		Systematic	
41.1549	19.8616	B-15-F-16		Systematic	
50.6237	19.8616	B-15-F-17		Systematic	

Soft



Survey Unit B-15-F, Class 1 Walls

60 F6

Area: Room B-15

X Coord	Y Coord	Z Coord	Label	Value	Type	Historical	Surface	LX	LY
4.3180	0.0000	3.0729	B-15-W-1		Systematic		Wall 4	50.6820	3.0729
13.7585	0.0000	3.0729	B-15-W-2		Systematic		Wall 4	41.2415	3.0729
23.1990	0.0000	3.0729	B-15-W-3		Systematic		Wall 4	31.8010	3.0729
32.6395	0.0000	3.0729	B-15-W-4		Systematic		Wall 4	22.3605	3.0729
42.0800	0.0000	3.0729	B-15-W-5		Systematic		Wall 4	12.9200	3.0729
51.5205	0.0000	3.0729	B-15-W-6		Systematic		Wall 4	3.4795	3.0729
55.0000	5.9610	3.0729	B-15-W-7		Systematic		Wall 3	18.0390	3.0729
55.0000	15.4016	3.0729	B-15-W-8		Systematic		Wall 3	8.5984	3.0729
54.1579	24.0000	3.0729	B-15-W-9		Systematic		Wall 2	54.1579	3.0729
44.7174	24.0000	3.0729	B-15-W-10		Systematic		Wall 2	44.7174	3.0729
35.2769	24.0000	3.0729	B-15-W-11		Systematic		Wall 2	35.2769	3.0729
25.8364	24.0000	3.0729	B-15-W-12		Systematic		Wall 2	25.8364	3.0729
16.3959	24.0000	3.0729	B-15-W-13		Systematic		Wall 2	16.3959	3.0729
6.9554	24.0000	3.0729	B-15-W-14		Systematic		Wall 2	6.9554	3.0729
0.0000	21.5149	3.0729	B-15-W-15		Systematic		Wall 1	21.5149	3.0729
0.0000	12.0744	3.0729	B-15-W-16		Systematic		Wall 1	12.0744	3.0729
0.0000	2.6339	3.0729	B-15-W-17		Systematic		Wall 1	2.6339	3.0729

Location: BASEMENT/B-15-C
 Site: DHS-EML

RWP# EML-002

Survey # 043

Survey Type: FSS/FREG RELEASE

pg. 1 of 3

Smear (CPM/100 cm²)

circle one

Release of Equipment / Materials

FSS Stairs/Smears Floor/Wall

Direct Count (CPM/Direct Frisk)					
No.	α	β	No.	α	β
1	0	61	26		
2	1	71	27		
3	2	65	28		
4	1	90	29		
5	0	62	30		
6	0	65	31		
7	1	80	32		
8	0	67	33		
9	0	62	34		
10	0	90	35		
11	0	82	36		
12	0	86	37		
13	0	82	38		
14	0	70	39		
15	2	59	40		
16	0	88	41		
17	1	69	42		
18	1	77	43		
19	+		44		
20			45		
21			46		
22			47		
23			48		
24			49		
25			50		

Items	α Average (cpm)	β Max (cpm)
1) B-15-C-1	0 α	150 B
2) B-15-C-2	2 α	165 B
3) B-15-C-3	0 α	185 B
4) B-15-C-4	2 α	147 B
5) B-15-C-5	1 α	143 B
6) B-15-C-6	2 α	202 B
7) B-15-C-7	0 α	150 B
8) B-15-C-8	2 α	155 B
9) B-15-C-9	0 α	169 B
10) B-15-C-10	0 α	185 B
11) B-15-C-11	2 α	321 B
12) B-15-C-12	0 α	282 B
13) B-15-C-13	0 α	185 B
14) B-15-C-14	1 α	144 B
15) B-15-C-15	1 α	173 B
16) B-15-C-16	1 α	167 B
17) B-15-C-17	0 α	203 B
18) B-15-C-18 F.L.B	0 α	25 B
19)		
20)		
21)		
22)		
23)		
24)		

Items	Average (cpm)	Max (cpm)
25)		
26)		
27)		
28)		
29)		
30)		
31)		
32)		
33)		
34)		
35)		
36)		
37)		
38)		
39)		
40)		
41)		
42)		
43)		
44)		
45)		
46)		
47)		
48)		

Comments	Surveyed By:	Date:	Instrument	Serial #	α Eff.	β Eff.	α Bkg.	β Bkg.	γ Bkg.	Cal. Due	Key
	K. ANDREWS	04/01/08	2320/43-28	193667/PR 170548	5.8%	18.3%	1	125	N/A	11/11/08	
	G. BAIGHT	04/01/08	2929/43-10-1	129566/PR 137720	33.3%	20.4%	0	70	N/A	1/4/09	■ A/S Location
											•• Boundary
											○ Smear
											□ Dose Rate _____ /hr
	Reviewed By:	Date:									* Direct Reading CPM/direct frisk
	Nicholas Berlier	6/4/12	Original Survey	Misplaced							△ Grab Sample

Location: B-15C RWP# EML-002 Survey # 043 Survey Type: Static/Smear pg 7 of 5

Smear (CPM/100 cm ²)					
Direct Count (CPM/Direct Frisk)					
No.	α	β	No.	α	β
1	1	78	26		
2	1	90	27		
3	1	64	28		
4	1	66	29		
5	0	69	30		
6	0	77	31		
7	0	90	32		
8	0	85	33		
9	1	69	34		
10	1	67	35		
11	2	70	36		
12	0	81	37		
13	1	73	38		
14	0	69	39		
15	4	94	40		
16	0	73	41		
17	0	71	42		
18	0	83	43		
19			44		
20			45		
21			46		
22			47		
23			48		
24			49		
25			50		

circle one

Shelves

Bookcase #1

Shelf #1	1
Shelf #2	2
Shelf #3	3
Shelf #4	
Shelf #5	
Shelf #6	

Bookcase #2

Shelf #1	
Shelf #2	
Shelf #3	
Shelf #4	4
Shelf #5	5
Shelf #6	6

Bookcase #3

Shelf #1	
Shelf #2	
Shelf #3	
Shelf #4	9
Shelf #5	8
Shelf #6	7

Bookcase #4

Shelf #1	12
Shelf #2	11
Shelf #3	10
Shelf #4	
Shelf #5	
Shelf #6	

Bookcase #5

Shelf #1	15
Shelf #2	13
Shelf #3	14
Shelf #4	15
Shelf #5	18
Shelf #6	

Bookcase #6

Shelf #1	
Shelf #2	
Shelf #3	
Shelf #4	
Shelf #5	16
Shelf #6	17

Static Counts (in cpm)

- 1) 2α, 144 B
- 2) 1α, 125 B
- 3) 0α, 142 B
- 4) 3α, 162 B
- 5) 1α, 146 B
- 6) 1α, 136 B
- 7) 2α, 141 B
- 8) 0α, 145 B
- 9) 0α, 133 B
- 10) 1α, 139 B
- 11) 0α, 130 B
- 12) 0α, 112 B
- 13) 2α, 135 B
- 14) 0α, 131 B
- 15) 3α, 128 B
- 16) 0α, 144 B
- 17) 1α, 146 B
- * 18) 0α, 125 B

Comments	Surveyed By:	Date:	Instrument	Serial # /	α Eff.	β Eff.	α Bkg.	β Bkg	γ Bkg	Cal. Due	Key
* 18 is Bkgs from	KAndrews	4/1/08	2260 / 4368	19366 / PR170548	5.8%	18.3%	1	125	N/A	11/11/08	
Shelving, KMA	OBright	4/1/08	2920 / 4370-1	19366 / PR132920	33.3%	20.4%	0	70	N/A	1/4/09	<input checked="" type="checkbox"/> A/S Location <input type="checkbox"/> Boundary <input type="checkbox"/> Smear <input type="checkbox"/> Dose Rate _____ /hr <input type="checkbox"/> Direct Reading CPM/direct frisk <input type="checkbox"/> Grab Sample
	Reviewed By:	Date:	Nicholas Berliner 6/4/12 Original Survey Misplaced								

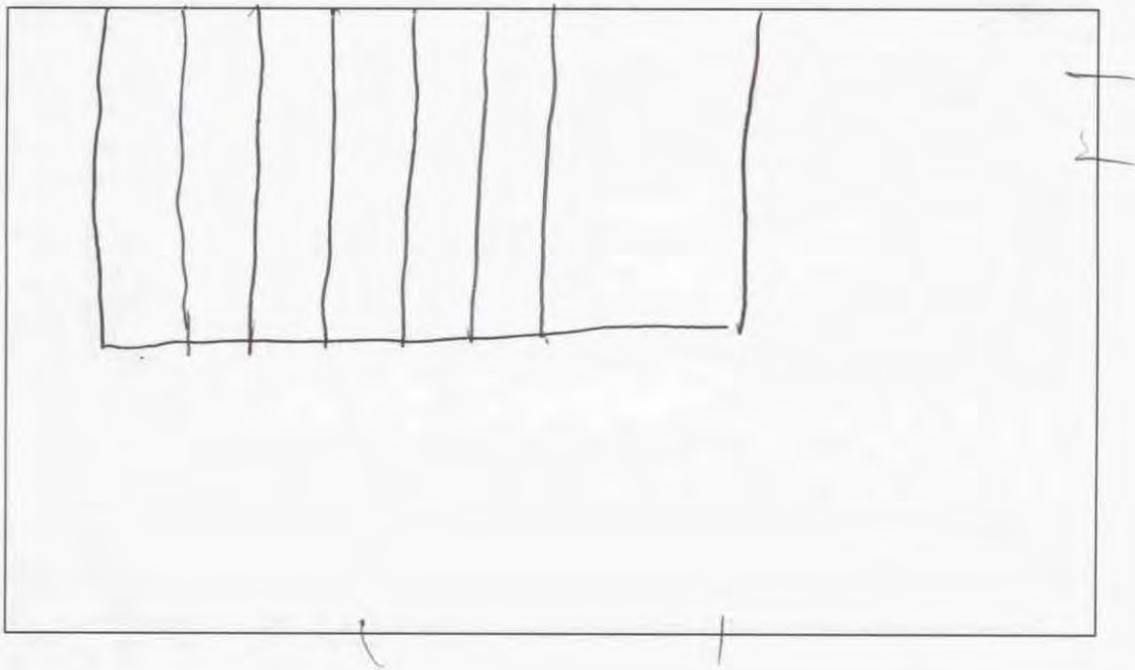
Scan Information Sheet

SU/Room: B-15 C

Class: 1

Tech Init.: GB/KA

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floors - 250 average, 700cpm max Beta - alpha average - background, max 20cpm.
Shelves - Beta scan - ave: 250 max 700, alpha scan average: background, max: 20cpm
Walls - previously scanned - background levels found.

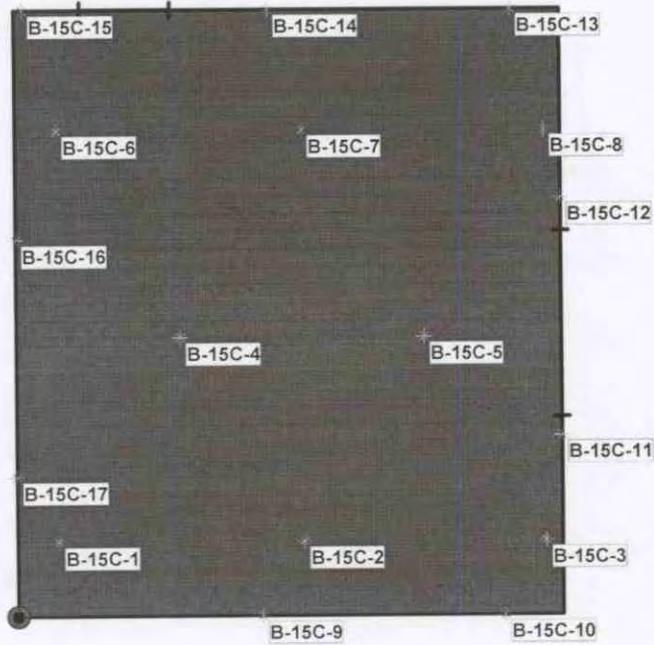
Instrument: #184938 / #PR-178371 2286/43-37

Tech Signature: [Signature]

Date: 4/1/08

3 of 5

4 of 5



Room B-15C Class 1 Floors and Walls

S&S

Area: Room B-15C

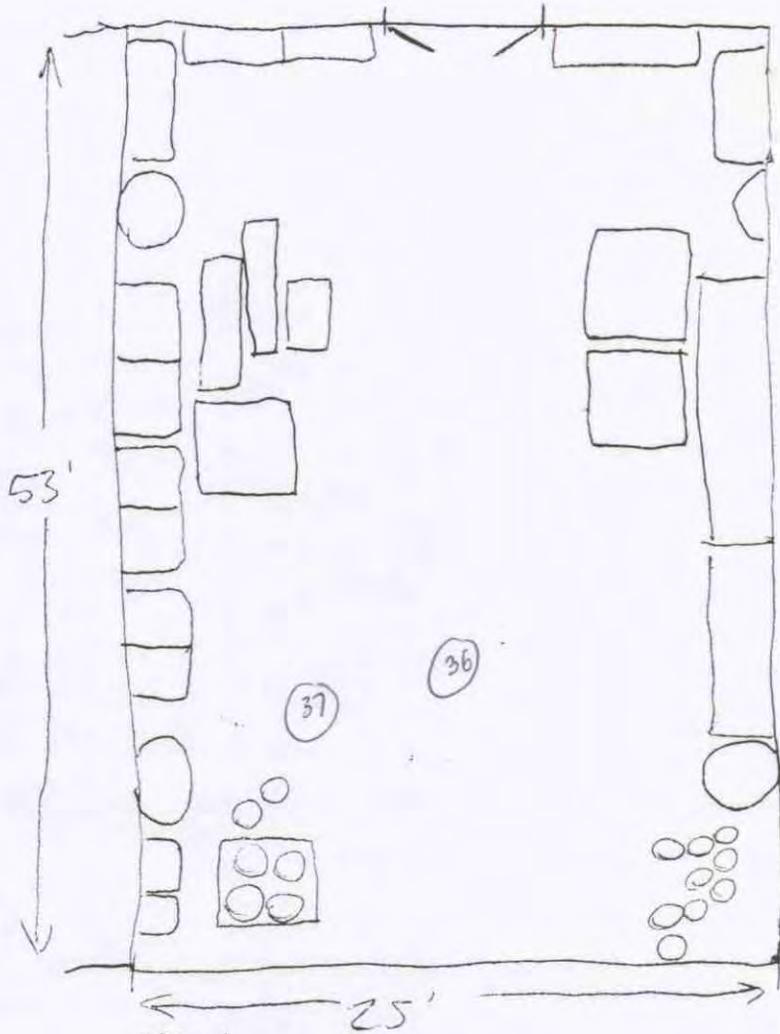
<u>X Coord</u>	<u>Y Coord</u>	<u>Z Coord</u>	<u>Label</u>	<u>Value</u>	<u>Type</u>	<u>Historical</u>	<u>Surface</u>	<u>L</u>
1.5830	2.9484	0.0000	B-15C-1		Systematic		Floor	
10.9711	2.9484	0.0000	B-15C-2		Systematic		Floor	1
20.3592	2.9484	0.0000	B-15C-3		Systematic		Floor	2
6.2770	11.0787	0.0000	B-15C-4		Systematic		Floor	
15.6652	11.0787	0.0000	B-15C-5		Systematic		Floor	1
1.5830	19.2090	0.0000	B-15C-6		Systematic		Floor	
10.9711	19.2090	0.0000	B-15C-7		Systematic		Floor	1
20.3592	19.2090	0.0000	B-15C-8		Systematic		Floor	2
9.3515	0.0000	3.8907	B-15C-9		Systematic		Wall 4	1
18.7396	0.0000	3.8907	B-15C-10		Systematic		Wall 4	
21.0000	7.1277	3.8907	B-15C-11		Systematic		Wall 3	1
21.0000	16.5158	3.8907	B-15C-12		Systematic		Wall 3	
19.0961	24.0000	3.8907	B-15C-13		Systematic		Wall 2	1
9.7080	24.0000	3.8907	B-15C-14		Systematic		Wall 2	
0.3199	24.0000	3.8907	B-15C-15		Systematic		Wall 2	
0.0000	14.9318	3.8907	B-15C-16		Systematic		Wall 1	1
0.0000	5.5437	3.8907	B-15C-17		Systematic		Wall 1	

Scan Information Sheet

SU/Room: B-8
Class: 1
Tech Init.: GB/KA

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm

2360/43-68 results
(36) 2/158
(37) 13/160



Notes: ^{2360/}Performed scans with 43-37 #184938/PR/76371

Betascan Average: 600 cpm with max of 750 cpm

α levels \leq background levels except where bias measurements performed

Tech Signature: [Signature]

Date: 4/5/08

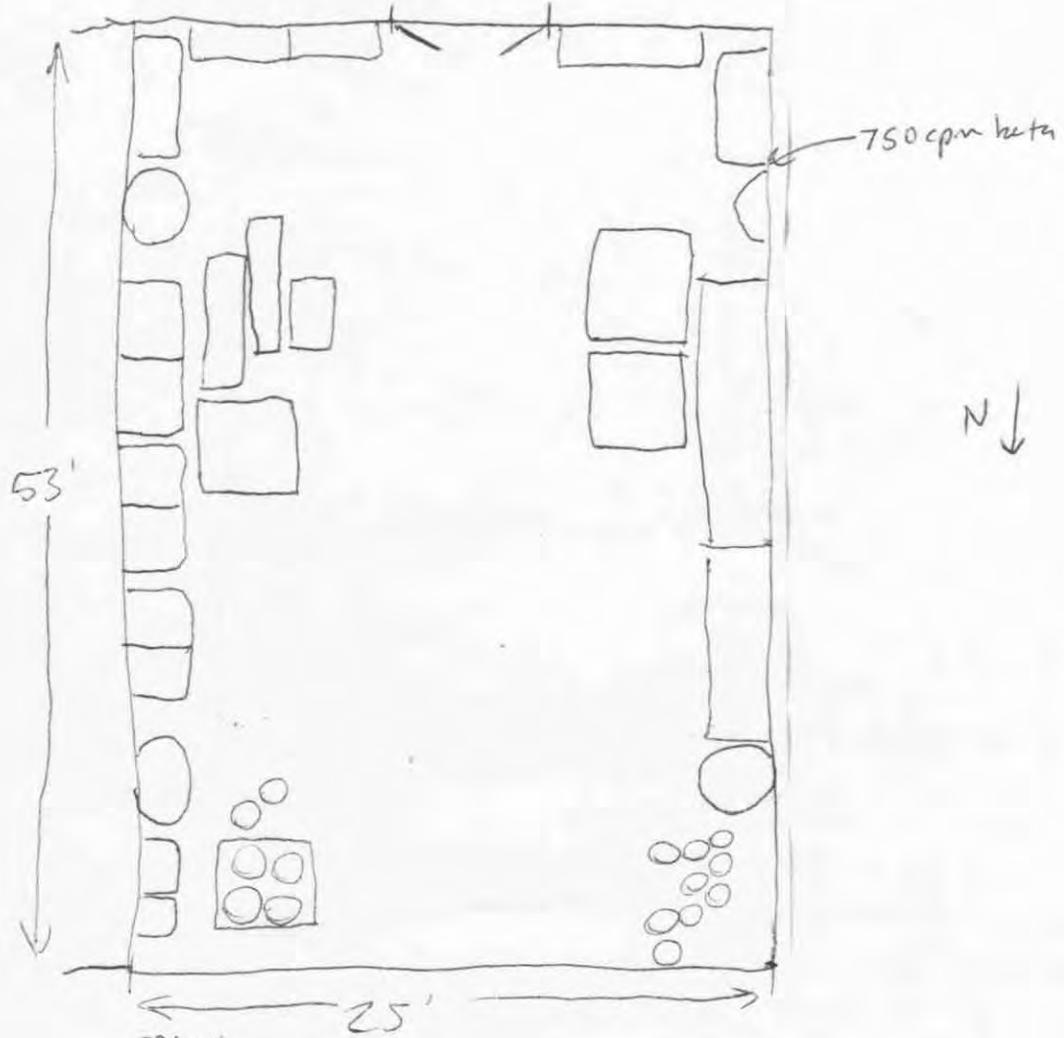
Scan Information Sheet

SU/Room: B-8 Walks/Shelves

Class: 1

Tech Init.: GB/KA

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: ^{2360/} Performed scans with 43-37 #184938/PR/78371

Betascan Average: 500 cpm with max of 750 cpm
α levels ≤ background levels

Tech Signature: [Signature]

Date: 4/3/08

Location: **B8 FSS** RWP#: **EML-002** Survey #: **048** Survey Type: **FSS static/smear** pg. **3** of **7**
 Site: **DHS-EML**

Smear (CPM/100 cm ²)					
Direct Count (CPM/Direct Frisk)					
No.	α	β	No.	α	β
1	0	62	26	0	88
2	1	68	27	0	63
3	0	68	28	0	60
4	0	62	29	0	78
5	1	69	30	0	57
6	0	62	31	0	77
7	0	45	32	0	68
8	1	79	33	2	75
9	1	71	34	0	53
10	0	70	35	1	65
11	1	72	36	0	78
12	0	83	37	0	81
13	0	70	38	0	53
14	0	71	39	1	67
15	0	64	40	0	62
16	1	71	41	0	78
17	2	49	42	3	84
18	0	61	43	0	65
19	1	78	44	1	66
20	0	68	45	2	75
21	0	67	46	0	53
22	1	84	47	0	77
23	0	64	48	0	73
24	0	68	49		
25	0	60	50		

circle one

Release of Equipment / Materials Static Measurement Results

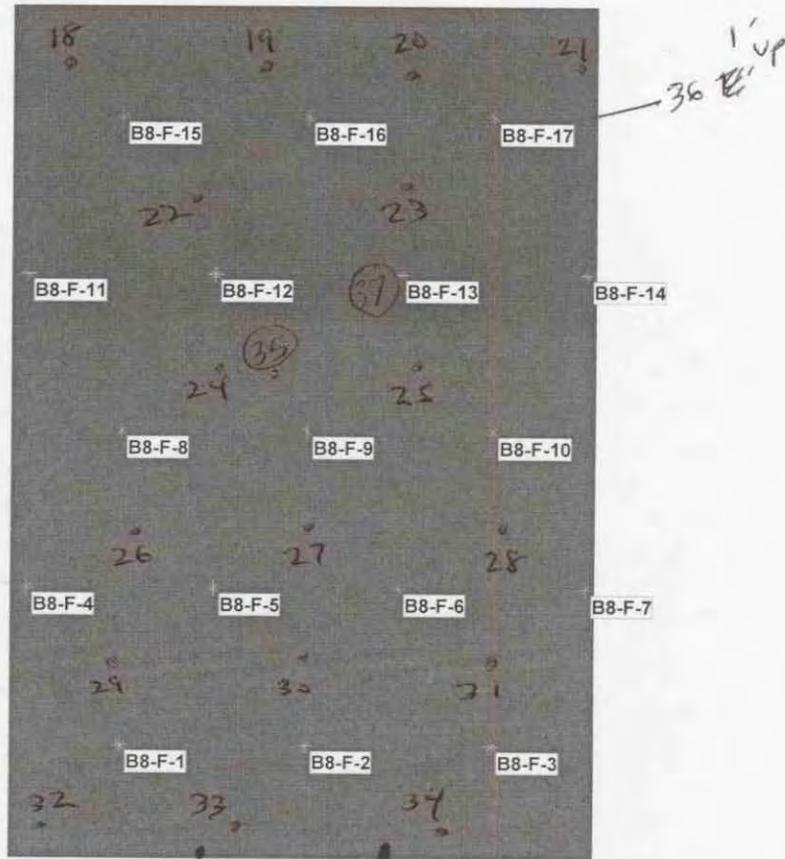
Location Items	Average (cpm)	Max (cpm)
1) Floor	0/150	
2) Floor	0/164	
3)	2/170	
4)	1/137	
5)	1/156	
6)	3/186	
7)	4/174	
8)	2/169	
9)	2/170	
10)	1/163	
11)	5/170	
12)	34/202	
13)	1/162	
14)	4/170	
15)	9/184	
16)	2/183	
17)	5/186	
18) Wall 1	1/114	
19)	2	0/125
20)	3	0/112
21)	4	1/114
22)	5	1/149
23)	6	1/97
24)	7	0/129 square brick

Items	Average (cpm)	Max (cpm)	
25) Wall 8	0/262		square brick
26)	9	3/271	concrete
27)	10	1/157	concrete
28)	11	1/160	concrete
29)	12	1/147	
30)	13	2/117	dry wall
31)	14	0/153	
32)	15	0/94	
33)	16	1/126	
34)	17	0/116	
35) Floorbics 38	2/158		
36) Floor 18	8/216	31	1/152
37)	19	4/197	32 2/154
38)	20	7/201	33 2/163
39)	21	2/189	24 1/144
40)	22	13/225	Wallbics 36
41)	23	2/194	↳ 1/293 0/81
42)	24	1/129	Floorbics 37
43)	25	2/196	↳ 13/160 0/61
44)	26	1/173	
45)	27	7/161	
46)	28	0/199	
47)	29	3/194	
48)	30	3/225	

See below for removable result

Comments	Surveyed By:	Date:	Instrument	Serial #	α Eff.	β Eff.	α Bkg.	β Bkg.	γ Bkg.	Cal. Dte	Key
	Gbright	4/2/03	2360/43-68	1936677 PR120548	582	18.37	0	146	N/A	11/11/08	
	KAndrews	4/2/03	2921/43-10-1	129566/ PR132920	53.32	20.47	1	81	N/A	1/4/09	■ A/S Location
											•• Boundary
											○ Smear
											□ Dose Rate _____ /hr
											• Direct Reading CPM/direct frisk
	Reviewed By:	Date:	Original Survey Misplaced								
	Nicholas Bertner	6/4/12									
											△ Grab Sample

3
45 30
6 6
270 180
2 2
540 360
300
900



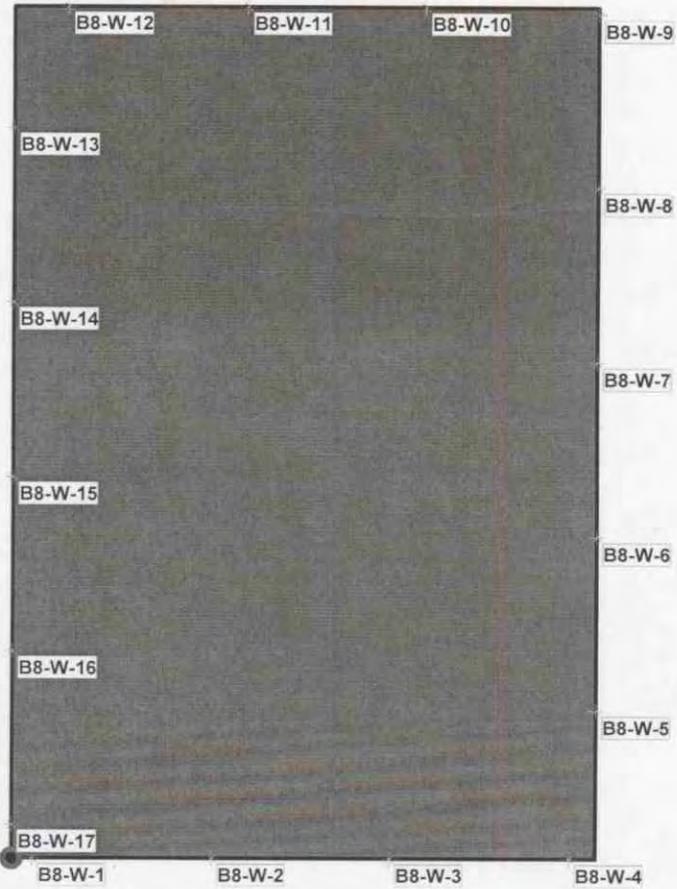
Room B-8 Class 1 Floors

#1048

Page 5 of 7

Area: Room B-8

<u>X Coord</u>	<u>Y Coord</u>	<u>Label</u>	<u>Value</u>	<u>Type</u>	<u>Historical</u>
5.6327	5.9859	B8-F-1		Systematic	
15.2086	5.9859	B8-F-2		Systematic	
24.7844	5.9859	B8-F-3		Systematic	
0.8448	14.2788	B8-F-4		Systematic	
10.4207	14.2788	B8-F-5		Systematic	
19.9965	14.2788	B8-F-6		Systematic	
29.5723	14.2788	B8-F-7		Systematic	
5.6327	22.5718	B8-F-8		Systematic	
15.2086	22.5718	B8-F-9		Systematic	
24.7844	22.5718	B8-F-10		Systematic	
0.8448	30.8647	B8-F-11		Systematic	
10.4207	30.8647	B8-F-12		Systematic	
19.9965	30.8647	B8-F-13		Systematic	
29.5723	30.8647	B8-F-14		Systematic	
5.6327	39.1576	B8-F-15		Systematic	
15.2086	39.1576	B8-F-16		Systematic	
24.7844	39.1576	B8-F-17		Systematic	



Room B-8 Class 1 Walls

Area: Room B-8

X Coord	Y Coord	Z Coord	Label	Value	Type	Historical	Surface	LX	LY
1.0549	0.0000	4.8718	B8-W-1		Systematic		Wall 4	28.9451	4.8718
10.2533	0.0000	4.8718	B8-W-2		Systematic		Wall 4	19.7467	4.8718
19.4517	0.0000	4.8718	B8-W-3		Systematic		Wall 4	10.5483	4.8718
28.6501	0.0000	4.8718	B8-W-4		Systematic		Wall 4	1.3499	4.8718
30.0000	7.8486	4.8718	B8-W-5		Systematic		Wall 3	37.1514	4.8718
30.0000	17.0470	4.8718	B8-W-6		Systematic		Wall 3	27.9530	4.8718
30.0000	26.2454	4.8718	B8-W-7		Systematic		Wall 3	18.7546	4.8718
30.0000	35.4438	4.8718	B8-W-8		Systematic		Wall 3	9.5562	4.8718
30.0000	44.6422	4.8718	B8-W-9		Systematic		Wall 3	0.3578	4.8718
21.1594	45.0000	4.8718	B8-W-10		Systematic		Wall 2	21.1594	4.8718
11.9610	45.0000	4.8718	B8-W-11		Systematic		Wall 2	11.9610	4.8718
2.7626	45.0000	4.8718	B8-W-12		Systematic		Wall 2	2.7626	4.8718
0.0000	38.5642	4.8718	B8-W-13		Systematic		Wall 1	38.5642	4.8718
0.0000	29.3658	4.8718	B8-W-14		Systematic		Wall 1	29.3658	4.8718
0.0000	20.1674	4.8718	B8-W-15		Systematic		Wall 1	20.1674	4.8718
0.0000	10.9690	4.8718	B8-W-16		Systematic		Wall 1	10.9690	4.8718
0.0000	1.7706	4.8718	B8-W-17		Systematic		Wall 1	1.7706	4.8718

Cabrera Services, Inc. performed radiological surveys in rooftop ductwork for the ventilation system on October 18, 2007 consisting of scans to locate isolated areas of elevated radioactivity and smears for removable radiological contamination (see attached survey form for approximate layout of rooftop ventilation duct room and locations in three different ducts where scan data and smears were collected). Scans were performed using a Ludlum model 2224 scaler-ratemeter with model 43-89 alpha-beta scintillation probe, and a Ludlum model 3 ratemeter with model 44-9 Geiger-Mueller detector. These scans constituted 100% coverage of accessible surfaces from door access points illustrated on the attached survey form.

A single elevated count was noted in Duct 1 on the front baffle (called "Bias location 1," i.e., D1B1) using the 2224/43-89 (beta count rate increased from approximately 230 counts per minute [cpm] to 450 cpm) and was confirmed using the 3/44-9 (count rate increased from approximately 50 cpm to 200 cpm). The 2224/43-89 scaler mode was utilized to collect a one-minute direct measurement of 5 counts alpha, 560 counts beta. This location was smeared for removable radiological contamination, and then re-scanned, at which time elevated radioactivity could no longer be located. This smear was counted for one minute using a Ludlum model 2929 smear counter with 43-10-1 alpha-beta scintillation probe; counts were noted to be consistent with background. It is difficult to determine the precise cause of this noted spike in radioactivity, but it has been attributed to the presence of radon that was dispersed or displaced by the collection of the smear.

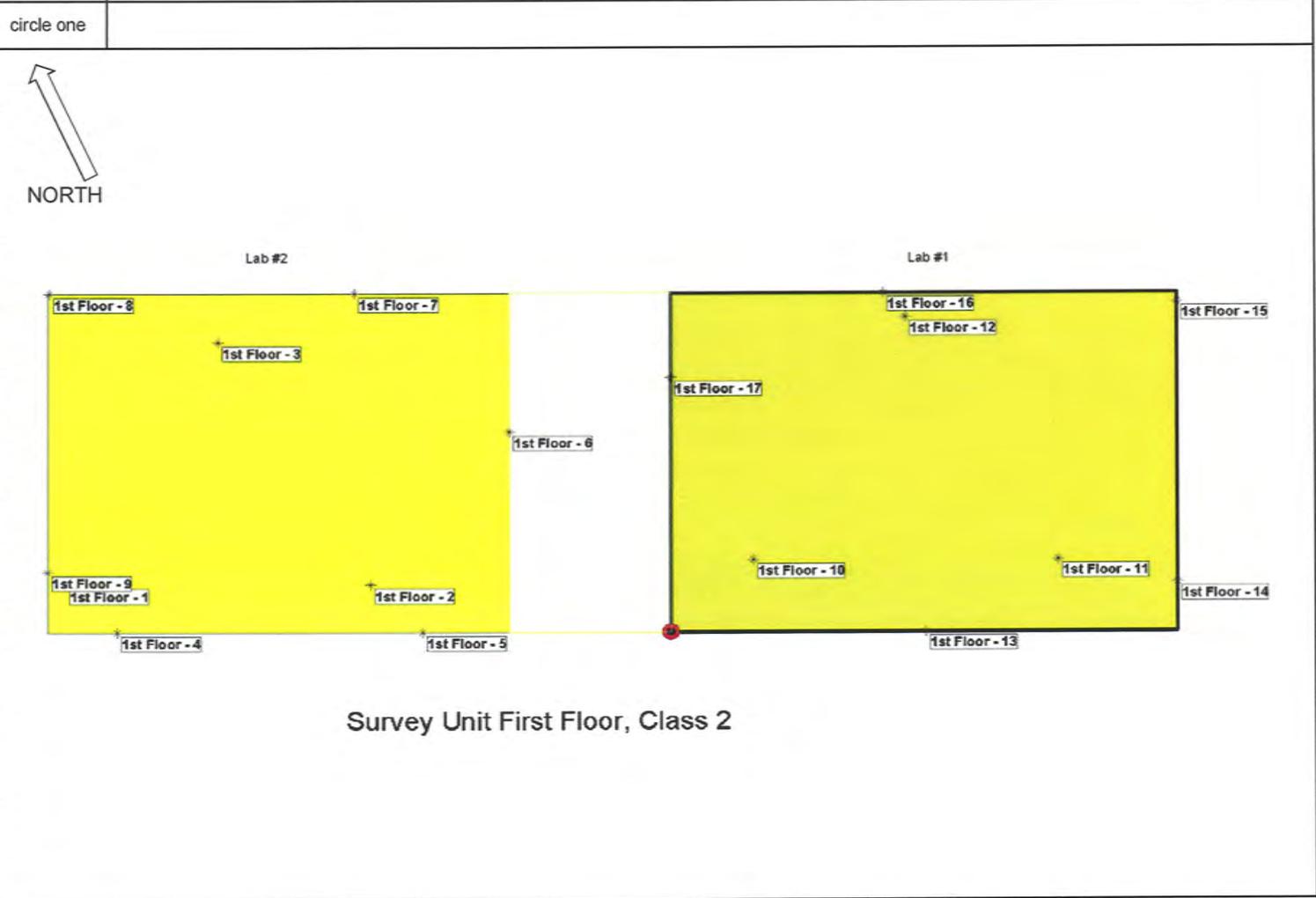
Twenty total locations were flagged as Bias locations for collecting smears, all of which were counted and noted to be consistent with background. These locations were then revisited to collect one-minute direct measurements using the 2224/43-89 in scaler mode on October 22, 2007. These results were also noted to be consistent with background. All of these results are included in the attached survey form. Based on these results, Cabrera concludes that no further action is required for the rooftop ductwork for the ventilation system, and that dismantling or cutting of these ducts may proceed without the need for radiological controls or oversight.

Location: New York, NY
 Site: DHS NUSTL, First Floor Labs #1 and #2

RWP# EML-02 Survey # EML-26 Survey Type: Release

pg. 1 of 6

Smear (CPM/100 cm ²)					
Direct Count (CPM/100 cm ²)					
No.	α	β	No.	α	β
1	2.0	27.0	26		
2	1.0	37.0	27		
3	1.0	36.0	28		
4	0.0	35.0	29		
5	1.0	39.0	30		
6	0.0	32.0	31		
7	0.0	31.0	32		
8	1.0	36.0	33		
9	0.0	31.0	34		
10	0.0	44.0	35		
11	0.0	32.0	36		
12	0.0	42.0	37		
13	0.0	40.0	38		
14	2.0	30.0	39		
15	0.0	34.0	40		
16	0.0	42.0	41		
17	2.0	33.0	42		
18			43		
19			44		
20			45		
21			46		
22			47		
23			48		
24			49		
25			50		

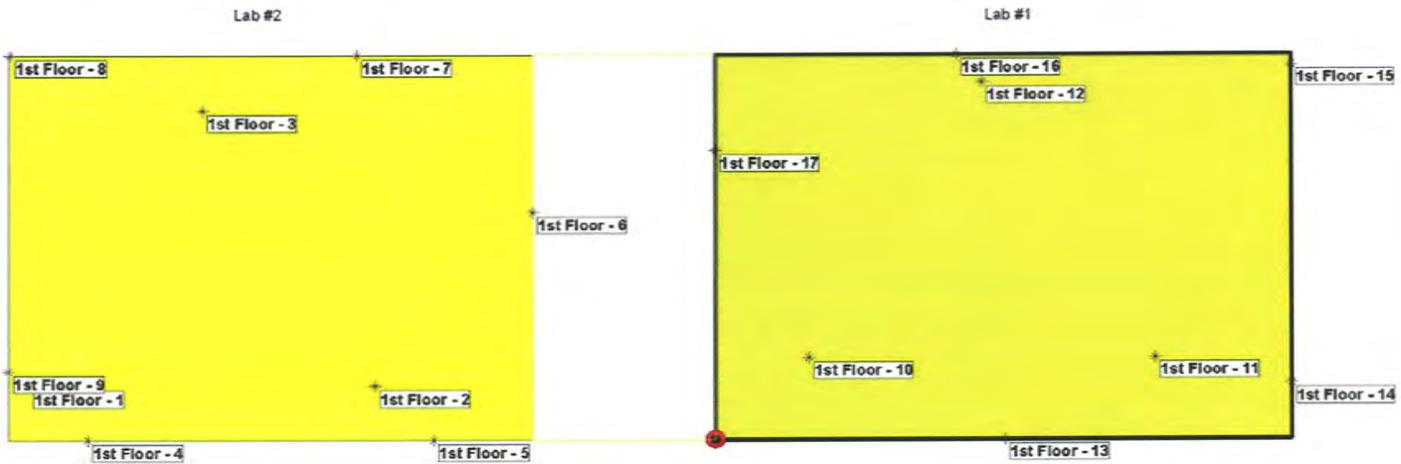


Comments	Surveyed By:	Date:	Instrument	Serial #	α Eff.	β Eff.	α Bkg.	β Bkg.	γ Bkg.	Cal. Due	Key
	<i>Nicholas M. Berlin</i>	28-Nov-07	Ludlum 2929/ Ludlum 43-10-1	#142645 / #PR156519	0.3487 (Th-230)	0.1815 (Tc-99)	0.4	33.8	-	21-Sep-08	-
											■ A/S Location
											- Boundary
											○ Smear
											□ Dose Rate _____ /hr
	Reviewed By:	Date:									* Direct Reading CPM/direct frisk
	<i>H. Williams</i>										△ Grab Sample

Location: New York, NY	RWP#	Survey #	Survey Type:	pg. 2 of 6
Site: DHS NUSTL, First Floor Labs #1 and #2	EML-02	EML-26	Release	

Smear (CPM/100 cm ²)					
Direct Count (CPM/100 cm ²)					
No.	α	β	No.	α	β
1	7.0	154.0	26		
2	8.0	198.0	27		
3	6.0	154.0	28		
4	2.0	114.0	29		
5	8.0	213.0	30		
6	5.0	167.0	31		
7	11.0	143.0	32		
8	5.0	188.0	33		
9	6.0	144.0	34		
10	4.0	211.0	35		
11	11.0	204.0	36		
12	4.0	130.0	37		
13	5.0	123.0	38		
14	3.0	286.0	39		
15	4.0	273.0	40		
16	3.0	129.0	41		
17	6.0	145.0	42		
18			43		
19			44		
20			45		
21			46		
22			47		
23			48		
24			49		
25			50		

circle one



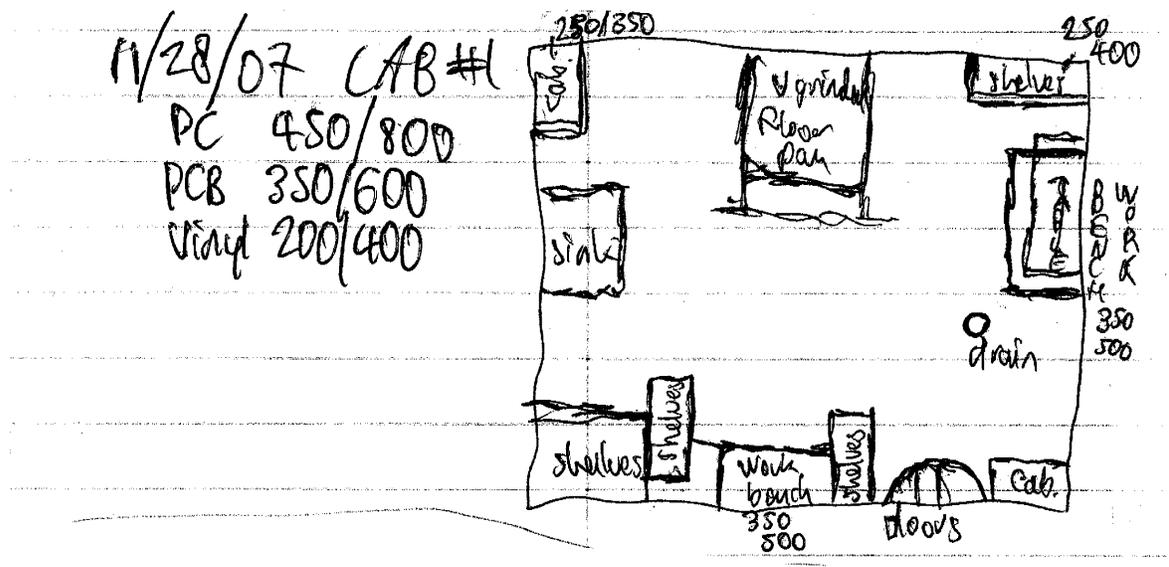
Survey Unit First Floor, Class 2

Comments	Surveyed By:	Date:	Instrument	Serial #	α Eff.	β Eff.	α Bkg.	β Bkg.	γ Bkg.	Cal. Due	Key
	<i>Nicholas Borner</i>	28-Nov-07	Ludlum 2224/ Ludlum 43-68	#183048 / #PR161781	0.1783 (Th-230)	0.2413 (Tc-99)	3.0	156.0	-	18-Jan-08	-
											■ A/S Location
											_ Boundary
											○ Smear
											□ Dose Rate _____ /hr
	Reviewed By:	Date:									* Direct Reading CPM/direct frisk
	<i>[Signature]</i>										△ Grab Sample

Scan Information Sheet

SU/Room: First Floor Lab #1
 Class: 2
 Tech Init.: NMB

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



11/28/07 CAB #1
 PC 450/800
 PCB 350/600
 Vinyl 200/400

Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

α -survey: \leq background	$\beta_{average}$: Vinyl-Asbestos Tile: 200 Painted Concrete: 450
γ -survey: 6	$\beta_{maximum}$: Vinyl-Asbestos Tile: 400 Painted Concrete: 800
	$\beta_{average}$: Painted Cinder Block: 350
	$\beta_{maximum}$: Painted Cinder Block: 600

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background	$\beta_{average}$: Painted Drywall: 400 Painted Metal: 300
γ -survey: 6	$\beta_{maximum}$: Painted Drywall: 700 Painted Metal: 600

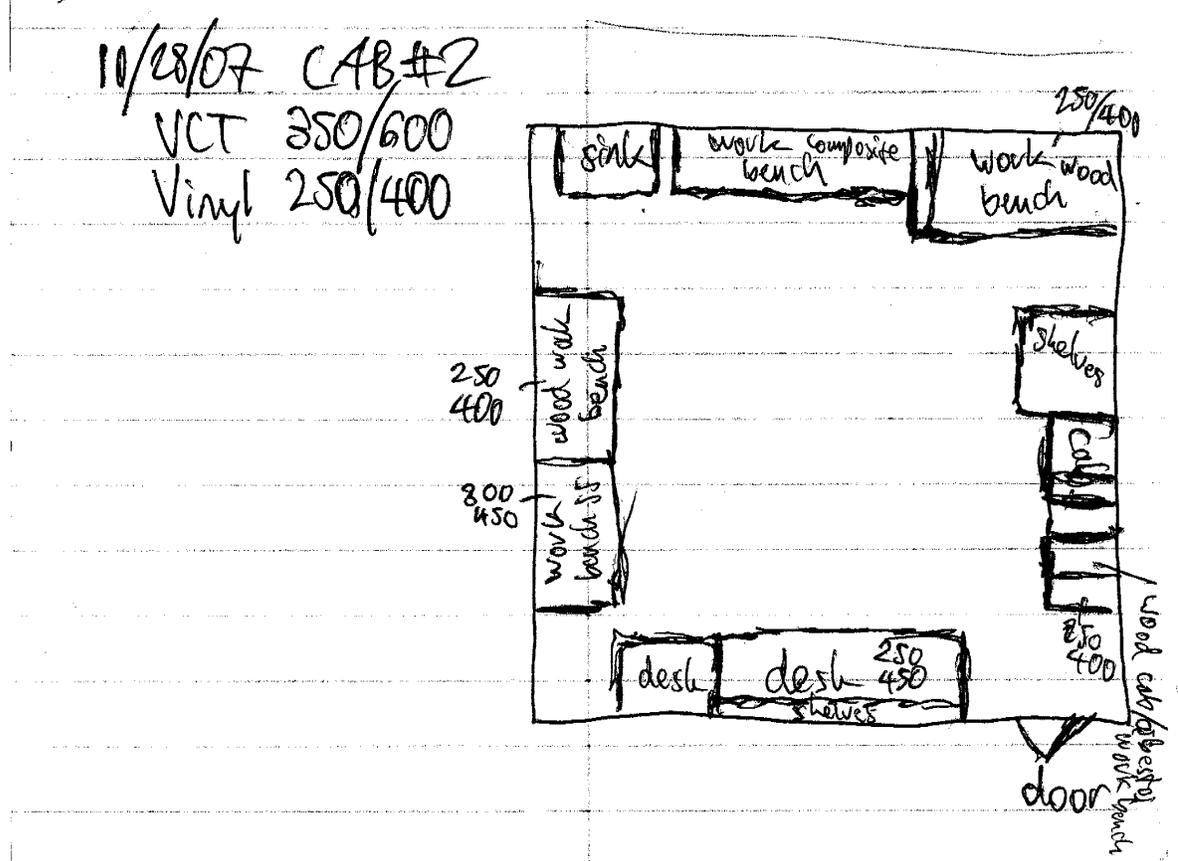
Tech Signature: Nicholas M. Berliner

Date: 12/29/10
 (original survey lost)

Scan Information Sheet

SU/Room: First Floor Lab #2
 Class: 2
 Tech Init.: NMB

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Floor Survey (2360 S/N 184938 with 43-37 S/N PR 178371)

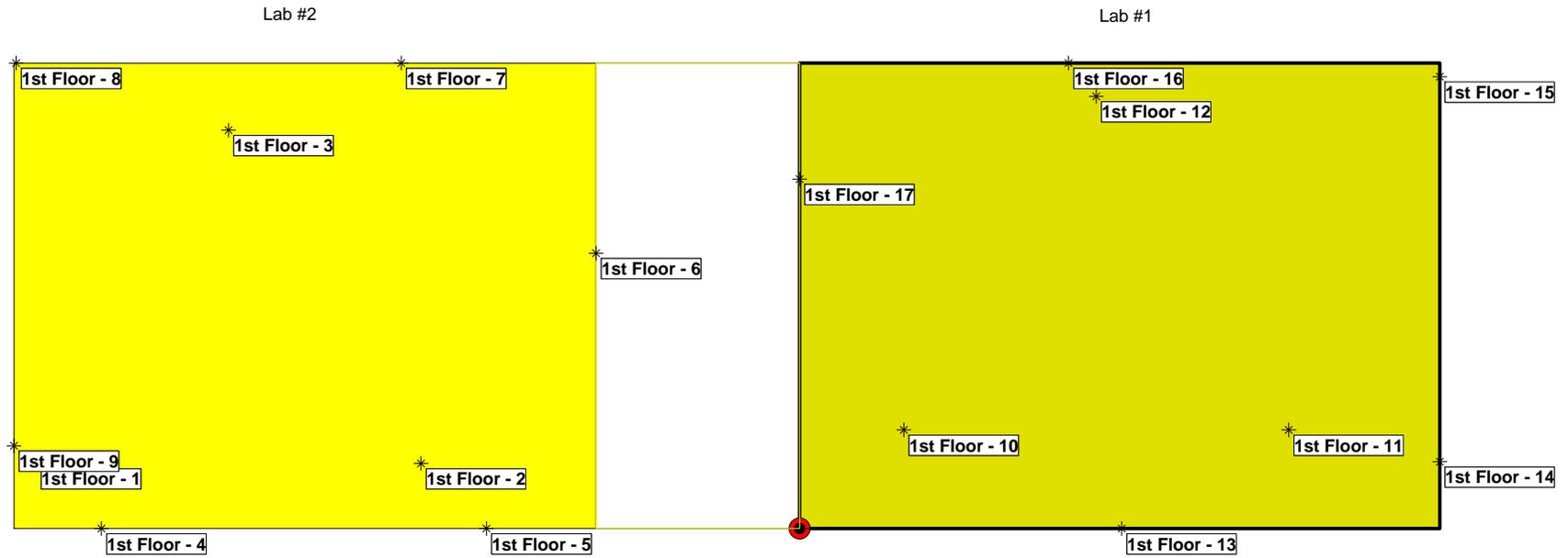
α -survey: \leq background	$\beta_{average}$: Vinyl-Asbestos Tile: 250
γ -survey: 4	$\beta_{maximum}$: Vinyl-Asbestos Tile: 400
	$\beta_{average}$: Vinyl-Composite Tile: 350
	$\beta_{maximum}$: Vinyl-Composite Tile: 600

Wall Survey (2360 S/N 193675 with 43-37 S/N PR 216984)

α -survey: \leq background	$\beta_{average}$: Painted Drywall: 400	Painted Metal: 300
γ -survey: 4	$\beta_{maximum}$: Painted Drywall: 600	Painted Metal: 500

Tech Signature: Nicholas M. Bertiner

Date: 12/29/11
 (original Survey lost)



Survey Unit First Floor, Class 2

11/28/07

Area: Lab #2

X Coord	Y Coord	Z Coord	Label	Value	Type	Historical	Surface	LX	LY
0.7540	2.2353	0.0000	1st Floor - 1	7/154	Systematic		Floor	0.7540	2.2353
13.9844	2.2353	0.0000	1st Floor - 2	8/198	Systematic		Floor	13.9844	2.2353
7.3692	13.6932	0.0000	1st Floor - 3	6/154	Systematic		Floor	7.3692	13.6932
3.0025	0.0000	2.5732	1st Floor - 4	2/114	Systematic		Wall 4	16.9975	2.5732
16.2330	0.0000	2.5732	1st Floor - 5	8/213	Systematic		Wall 4	3.7670	2.5732
20.0000	9.4635	2.5732	1st Floor - 6	5/167	Systematic		Wall 3	6.5365	2.5732
13.3061	16.0000	2.5732	1st Floor - 7	11/143	Systematic		Wall 2	13.3061	2.5732
0.0756	16.0000	2.5732	1st Floor - 8	5/188	Systematic		Wall 2	0.0756	2.5732
0.0000	2.8452	2.5732	1st Floor - 9	6/144	Systematic		Wall 1	2.8452	2.5732

EML-26
Page 6 of 6

Area: Lab #1

11/28/07

X Coord	Y Coord	Z Coord	Label	Value	Type	Historical	Surface	LX	LY
30.5777	3.3937	0.0000	1st Floor - 10	4/211	Systematic		Floor	3.5777	3.3937
43.8082	3.3937	0.0000	1st Floor - 11	11/204	Systematic		Floor	16.8082	3.3937
37.1930	14.8516	0.0000	1st Floor - 12	4/130	Systematic		Floor	10.1930	14.8516
38.0675	0.0000	5.0461	1st Floor - 13	5/123	Systematic		Wall 4	10.9325	5.0461
49.0000	2.2980	5.0461	1st Floor - 14	3/286	Systematic		Wall 3	13.7020	5.0461
49.0000	15.5285	5.0461	1st Floor - 15	4/273	Systematic		Wall 3	0.4715	5.0461
36.2411	16.0000	5.0461	1st Floor - 16	3/129	Systematic		Wall 2	9.2411	5.0461
27.0000	12.0106	5.0461	1st Floor - 17	6/145	Systematic		Wall 1	12.0106	5.0461

Location: 1st Floor Dust Collector Site: DHS RNL RWP# EML-02 Survey# EML-2428 NMB 12/29/11 Survey Type: Release pg. 1 of 17 NMB

Smear (CPM/100 cm ²)					
Direct Count (CPM/Direct Frisk)					
No.	α	β	No.	α	β
1	0	41	26		
2	1	35	27		
3	0	27	28		
4	1	32	29		
5	1	30	30		
6	1	25	31		
7	1	41	32		
8	1	44	33		
9	2	39	34		
10	2	38	35		
11	1	31	36		
12	2	32	37		
13			38		
14			39		
15			40		
16			41		
17			42		
18			43		
19			44		
20			45		
21			46		
22			47		
23			48		
24			49		
25			50		

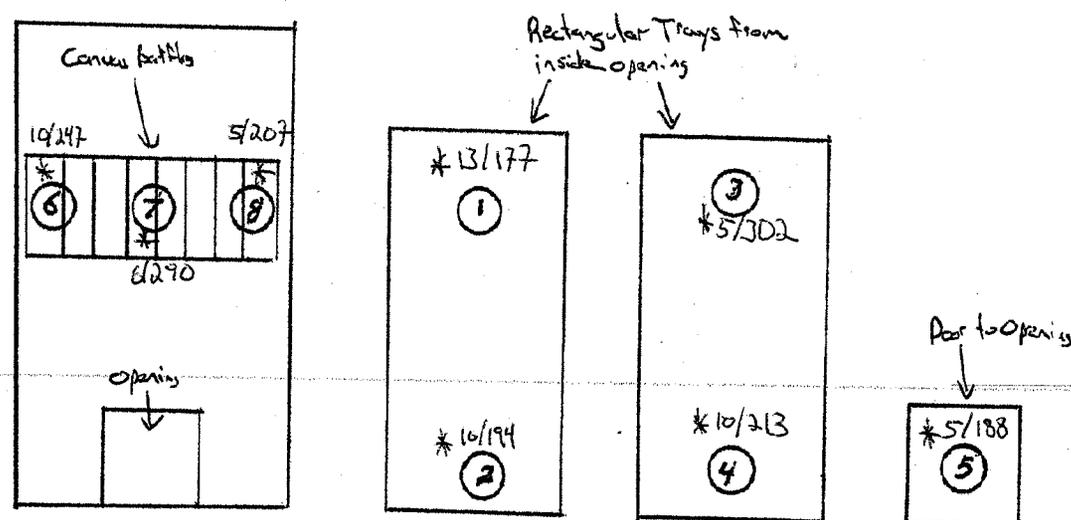
circle one

9 *6/239 Floor inside opening (right)

10 *7/209 Floor inside opening (left)

11 *6/190 Right wall inside opening

12 *6/148 Left wall inside opening



Comments	Surveyed By:	Date:	Instrument	Serial #	α Eff.	β Eff.	α Bkg.	β Bkg.	γ Bkg.	Cal. Due	Key
Rectangular Trays Avg B 250 Max B 400	[Signature]	11/29/07	2929	142645	—	—	—	—	—	9/21/08	
Canvas Bottles Avg B 300 Max B 400		11/29/07	44-10-1	PR156519	0.349	0.182	0.4	36.7	—	9/21/08	■ A/S Location
Inside Door Avg B 250 Max B 400		11/29/07	2324	183048	—	—	—	—	—	2/14/08	.. Boundary
Inside opening Avg B 250 Max B 400		11/29/07	43-37	PR178371	0.066	0.175	3	450	—	2/14/08	○ Smear
Concrete Floor Avg B 300 Max B 400		11/29/07	43-68	183048	0.178	0.241	3	147	—	9/18/08	□ Dose Rate /hr
All OC < Background	Reviewed By:	Date:		FR161781							• Direct Reading CPM/direct frisk
	Nicholas Barkner	12/29/08									△ Grab Sample

Original survey misplaced
12/29/11

FIRST FLOOR
DUST COLLECTOR

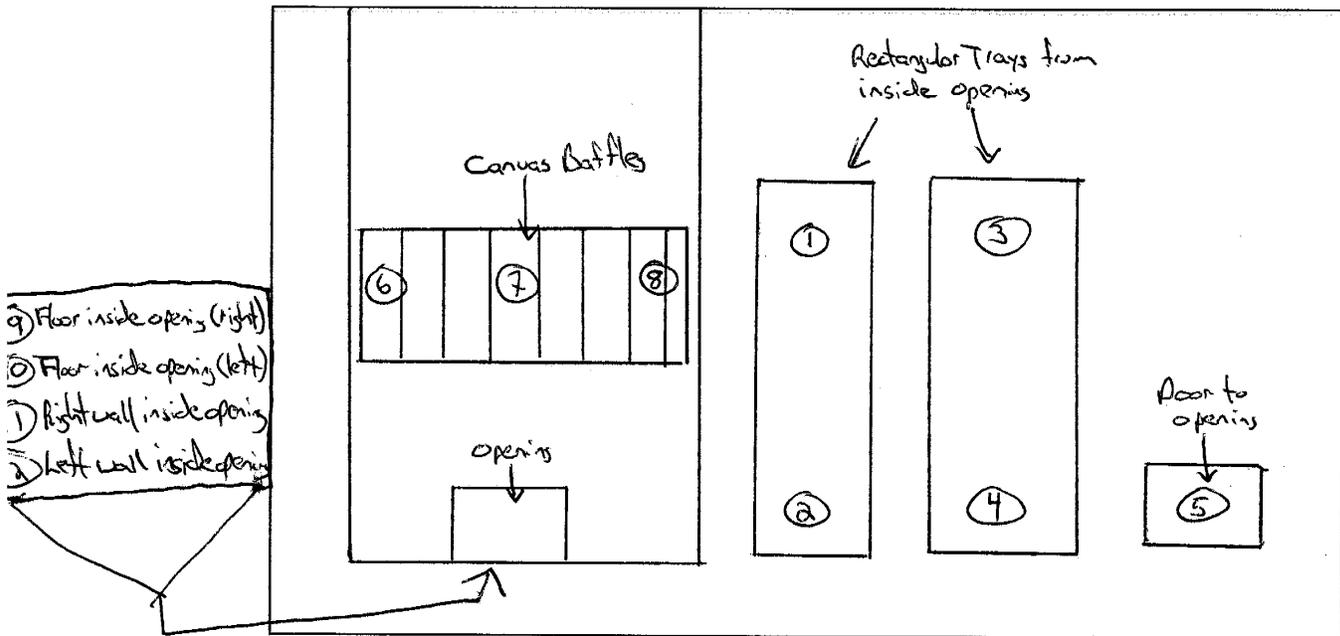
Scan Information Sheet

SU/Room: _____

Class: 2

Tech Init.: RLS

- Note:
1. On map: draw dimensions and characters
 2. Record scan data for different surfaces
 3. Mark all areas > Action Level (include sample ID)
 4. Record avg and max observed cpm



Notes: Rectangular Trays: Avg β 250 Max β 400

Concrete Floor Outside Opening: Avg β 300
Max β 400

Canvas Baffles: Avg β 300 Max β 400

Inside Door: Avg β 250 Max β 400

Inside opening Avg β 250 Max β 400

Tech Signature: _____

Date: _____

Location: New York, NY
 Site: DHS NUSTL, First Floor Space

RWP# EML-02

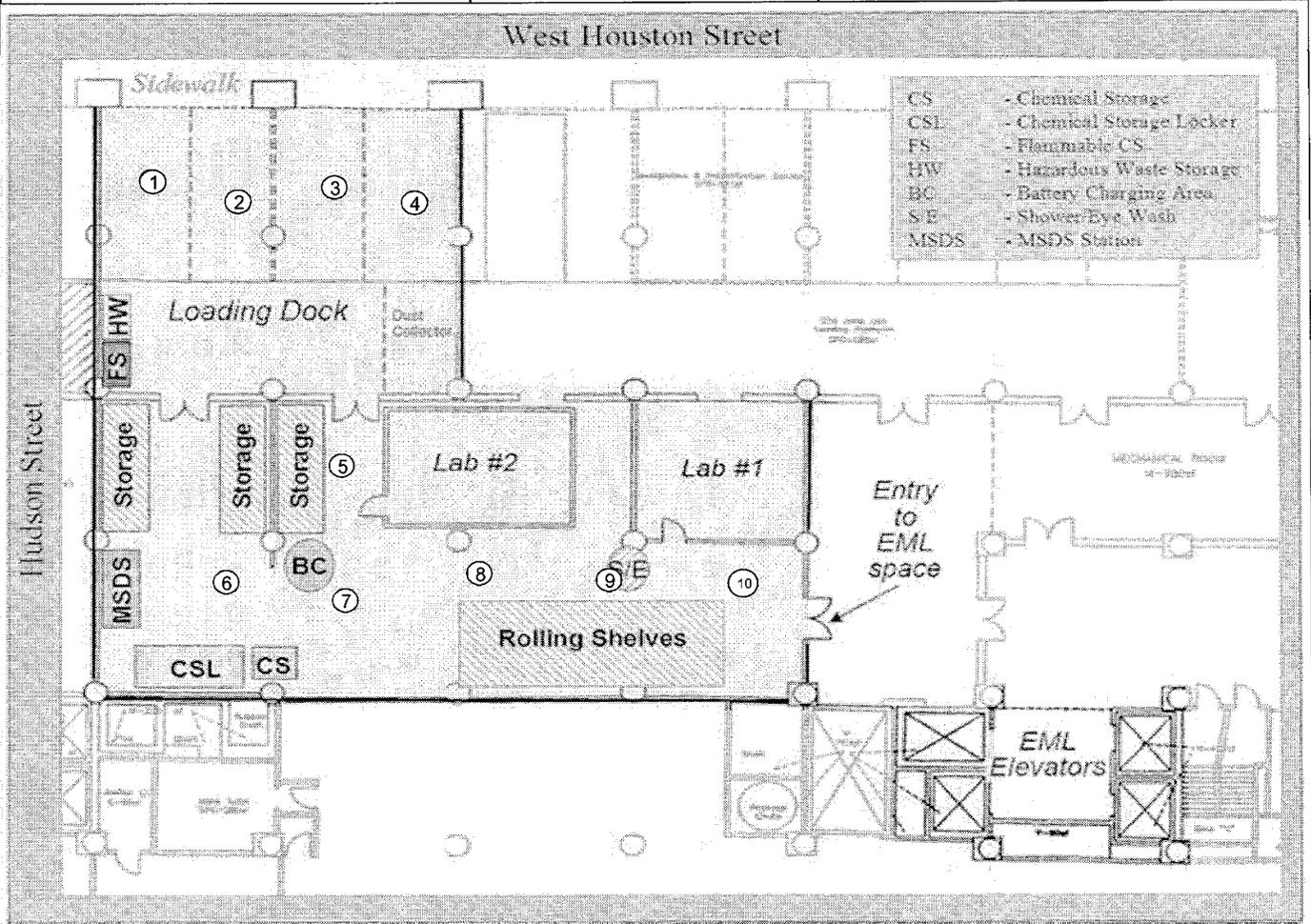
Survey # 064

Survey Type: Release

pg. 1 of 2

Smear (DPM/100 cm ²)					
Direct Count (DPM/100 cm ²)					
No.	α	β	No.	α	β
1	0.0	-22	26		
2	0.0	-9	27		
3	3.2	-30	28		
4	3.2	-22	29		
5	0.0	-43	30		
6	0.0	-13	31		
7	0.0	-26	32		
8	3.2	-22	33		
9	0.0	-30	34		
10	0.0	-48	35		
11			36		
12			37		
13			38		
14			39		
15			40		
16			41		
17			42		
18			43		
19			44		
20			45		
21			46		
22			47		
23			48		
24			49		
25			50		

circle one



Comments
 All NUSTL space on first floor was scan surveyed with the Ludlum 2360/Ludlum 43-37 ; the scan survey revealed no alpha or beta counts above background. Ten biased locations were then selected along the pathway of the M-25 containers from the entrance to the space to the loading docks where the B-25s were staged and loaded onto trucks for shipout.

Surveyed By:	Date:	Instrument	Serial #	α Eff.	β Eff.	α Bkg.	β Bkg.	γ Bkg.	Cal. Due	Key
Wade Fillingame	02-Dec-11	Ludlum 2360/ Ludlum 43-10-1	#202461 / #PR191325	0.3156 (Th-230)	0.2308 (Tc-99)	0.0	41.0	-	11-Aug-12	-
										<ul style="list-style-type: none"> ■ A/S Location *- Boundary ○ Smear □ Dose Rate _____ /hr * Direct Reading CPM/direct frisk △ Grab Sample
Reviewed By:	Date:									
Nicholas M. Berliner		<small>Digitally signed by Nicholas M. Berliner DN: cn=Nicholas M. Berliner, o=Cabrera Services, Inc., c=US Date: 2011.12.28 14:23:22 -0500</small>								

