

**APPENDIX A-1
FINAL STATUS SURVEY RESULTS**

SU Description & Number: BSA 02-21 SW U-Shaped Area Floors and Walls Survey Log Number: HDP-PF-110415-072 Date: 11/04/15

Technician(s): Mark Shaffer *Mark Shaffer 1-25-16* Reviewed By: *ELLEN C. JACOBSON* Time: 0950
(Print Name/Sign/Date) Chris Chandler *Chris Chandler 1-25-16* (Print Name/Sign/Date) *1/25/16*

Instrument # 1:				Instrument # 2:				Templec/Ludlum 2929:			
Instrument & Probe	43-93/2360 G	MDA (dpm/100cm ²)	644	Instrument & Probe	43-93/2360 K	MDA (dpm/100cm ²)	287	Unit #: 2929 S/N 160023	"S"	Cal. Due:	10/28/16
Instrument SN:	227415	Bkg 1:	155	Instrument SN:	253289	Bkg 1:	500	Alpha Bkg:	0.3	Beta Bkg:	42.1
Cal Due Date:	10/15/16	Bkg 2:	170	Cal Due Date:	11/07/15	Bkg 2:	510	Alpha Eff.	24.5%	Beta Eff.	21.2%
Probe Size:	100 cm ²	Bkg 3:	158	Probe Size:	584 cm ²	Bkg 3:	517	Alpha MDA (dpm)	22.6	Beta MDA (dpm)	157
Weighted Eff.:	9.64%	Ave. Bkg:	161	Weighted Eff.:	6.45%	Ave. Bkg:	509	Batch No:	N/A		

Sample No.	Instrument Number (i.e., 1 or 2)	Description	Removable Alpha		Removable Beta		Total Contamination (α + β)		DCGL Fraction
			Net cpm	DPM/ 100cm ²	Net cpm	DPM/ 100cm ²	Gross cpm	DPM/ 100cm ²	
01	G	B02-21-01-S-F-S-00	1	3	-6	-29	246	882	4.7%
02	G	B02-21-02-S-F-S-00	0	-1	-1	-5	295	1390	7.3%
03	G	B02-21-03-S-F-S-00	0	-1	-2	-10	254	965	5.1%
04	G	B02-21-04-S-F-S-00	0	-1	2	9	248	902	4.8%
05	G	B02-21-05-S-F-S-00	0	-1	-7	-33	236	778	4.1%
06	G	B02-21-06-S-F-S-00	1	3	0	0	221	622	3.3%
07	G	B02-21-07-S-F-S-00	0	-1	-5	-24	249	913	4.8%
08	G	B02-21-08-S-F-S-00	0	-1	-8	-38	294	1380	7.3%
09	G	B02-21-09-S-F-S-00	2	7	-6	-29	237	788	4.2%
10	G	B02-21-10-S-W-S-00	0	-1	-17	-81	150	-114	0
11	G	B02-21-11-S-W-S-00	1	3	-9	-43	133	-290	0
						A			
				N					

COMMENTS: Systematic directs performed with 43-93 "G" on locations 1 – 11 on 01/22/16. Max scan rate on floors indicates <600 dpm/100cm² (3% DCGL) activity. Max scan rate on walls indicates <2900 dpm/100cm² (15% DCGL) activity.

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Date: 11/04/15

Technician(s): Mark Shaffer *Mark Shaffer 1-25-16*
(Print Name/Sign/Date) Chris Chandler *Chris Chandler 1-25-16*

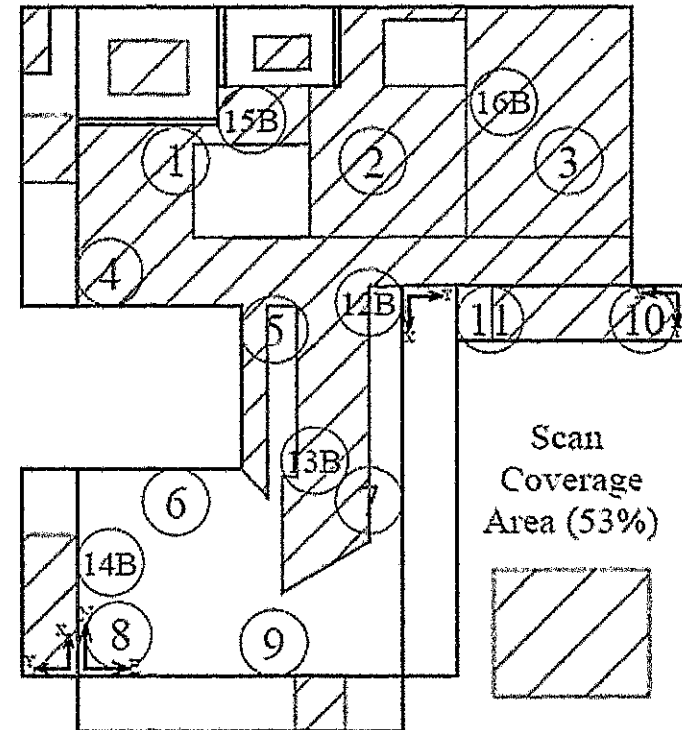
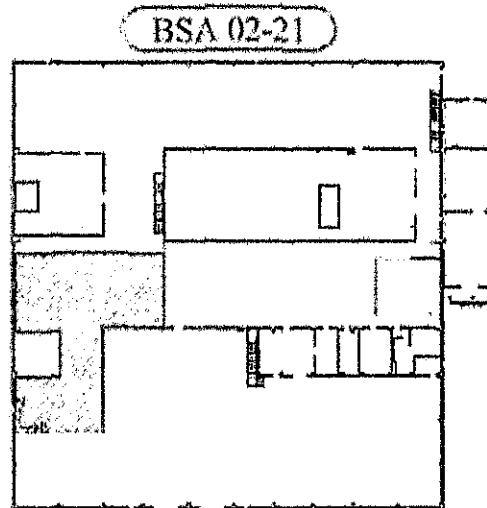
Reviewed By: *Evan C. Jacob 1/25/16*
(Print Name/Sign/Date)

Time: 0950

Survey Area Map / Diagram (Indicate Area Scanned):

BSA 02-21
U Shaped Area Floor and Walls SW

Sample Location	Surface	X Coordinates (feet)	Y Coordinates (feet)
1	Floor	12.0	62.0
2	Floor	35.6	62.0
3	Floor	59.2	62.0
4	Floor	0.2	46.6
5	Floor	23.8	41.7
6	Floor	12.0	21.3
7	Floor	35.6	21.3
8	Floor	0.2	1.0
9	Floor	22.5	1.0
10	South Wall	2.1	5.2
11	South Wall	25.8	5.2
12B	Floor	38.0	45.0
13B	Floor	31.0	24.0
14B	Floor	0.8	15.4
15B	Floor	19.0	72.0
16B	Floor	39.0	72.0



COMMENTS: Directs performed with 43-93 "G" on locations 1 – 16B on 01/22/16. Floor scans performed from 11/04/15 through 11/05/15 using 43-37 "K". Wall scans performed from 11/04/15 – 11/05/15 using 43-93 "G". Total scan percentage was 53%, exceeding the 10% Class 2 survey unit minimum.