Hematite
Decommissioning
Project

Procedure: HDP-PR-FSS-712, Final Status Surveys of Structures, Systems, and Components (SSCs)

Westinghouse Non-Proprietary Class 3

Revision: 3

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APPENDIX A-1 FINAL STATUS SURVEY RESULTS

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SU Description & Number: BSA 02-22 Cushman Room (South Walls and Floor)								Survey Log Number: HDP-PF-083115-050						Date: 08/31/15 .	
Technician(s): (Print Name/Sign/Date) Mark Shaffer Which Child 10-6-15								Reviewed By: Euros C. Jakus (Print Name/Sign/Date)							
Instrument # 1:							Instrum	ient # 2;		Tenr	dlum 2929:	am 2929:			
	Instrument & 43-93/ MDA Probe 2360 L (dpm/100cm ²)		638	Instr	ument & Probe	43-37/ 2360 K	MDA (dpm/100cm ²)	357	1	t#: 2929 115578	"I"	Cal. Due:	10/30 /15		
Instrumer	nt SN:	251022	Bkg 1:	164	Instrur	nent SN:	253289	Bkg 1:	758	Alpha Bkg:		0.6	BetaBkg:	49	
Cal Due		6/8/16	Bkg 2:	164		ue Date:	11/7/15	Bkg 2:	796		oha Eff.	24.9%	BetaEff:	23.8%	
Probe		100 cm ²	Bkg 3:	180		obe Size:	584 cm ²	Bkg 3:	845		MDA (dpm)	26.5	Beta MDA (dpm)	149	
Weighted	l Eff.:	9.96%	Ave. Bkg:	169.3		nted Eff.:	6.45%	Ave. Bkg:	800	Ba	tch No:	N/A	·		
Sample No.	Instrument Number (i.e., 1 or 2)	T Description		Removable Alph Net cpm DPM			100cm ²	Remov Net cpm	ovable Beta DPM/ 100ci		Total Cont Gross cpm		$\frac{n (\alpha + \beta)}{DPM/100cm^2}$	DCGL Fraction	
01	L	B02-2	2-01-S-F-S-00	-1	-1		2	6	25		278		1091	6%	
02	L	B02-2	2-02-S-F-S-00	-1		-2		-1	-4		283		1141	6%	
03	L	B02-2	2-03-S-F-S-00	-1		-	-2	-15	-63		229		599	3%	
04	L	B02-2	B02-22-04-S-F-S-00		-1		2	1	4		265		961	5%	
05	L	B02-22	B02-22-05-S-W-S-00		0		2	-1	-4		216		469	2%	
06	L	B02-22-06-S-W-S-00		-1		-2		-5	-21		250		810	4%	
07	L	B02-22-07-S-W-S-00		2		10		0	0		158		-114	0	
08	L	B02-22-08-S-W-S-00		-1		-2		8	34		290		1212	6%	
09	L	B02-22-09-S-F-S-00		0		2		-6	-25		240		710	4%	
10	L	B02-22-10-S-F-S-00		-1		-2		2	8		224		549	3%	
11	L	B02-22-11-S-F-S-00		-1		-2		-2	-8		230		609	3%	
										-					
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				, , , , , , , , , , , , , , , , , , , ,]	N								
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COMMENTS: Systematic direct measurements and 100% scan of wall were performed with 43-93 "L" at locations 1-11. T00% scan of the floor performed with 43-37 "K". All wall scans indicate less than 1800 dpm/100 cm² activity. All floor scans indicate less than 800 dpm/100 cm² activity. Judgmental bias measurements were taken at locations 12B - 15B. Supplemental scans were performed along 100% of the uncut edge of the floor with 43-93 "L". They indicate less than 1600 dpm/100 cm² activity.

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SU Desc	cription {	& Numbe	er: BSA 02-22 (Cushman	South	Surve	Survey Log Number: HDP-PF-083115-050					Date: 08/31/	15	
Walls and Floor)														
Technician(s): Mark Shaffer (Print Name/Sign/Date)							Review (Print)	wed By: Euch Name/Sign/Date)	Time: 1025					
Instrument # 1:							Instrun	nent # 2:	ıdlum 2929:					
Instrument & 43-93/		MDA (dpm/100cm ²)	638	Instr	rument & Probe	43-37/ 2360 K	MDA (dpm/100cm ²)	0.55		it #: 2929 N 115578 "I"		Cal. Due;	10/30 /15	
Instrume		251022	Bkg 1:	164		ment SN:	253289	Bkg 1:	758	Alr	oha Bkg:	0.6	BetaBkg:	49
Cal Due		6/8/16	Bkg 2:	164	_	Due Date:	11/7/15	Bkg 2:	796		pha Eff.	24.9%	BetaEff:	23.8%
L		100 cm ²	Bkg 3:	180		obe Size:	584 cm ²	Bkg 3:	845	+	MDA (dpm)	26.5	Beta MDA (dpm)	149
Weighte		9.96%	Ave. Bkg:	169.3	Weighted Eff.:		6.45%	Ave. Bkg:	800	Batch No:		N/A		
Sample	Instrument Number		Description			ble Alpha		1	able Beta		Total Contar			DCGL
No.	(i.e., 1 or 2)	رد ا	escription	Net c	Net cpm		100cm ²	Net cpm	DPM/ 1	00cm ²	Gross cp	m	DPM/ 100cm ²	Fraction
12B	L	B02-2	22-12-S-F-B-00	-1	·	<u> </u>	-2	6	25	5	228		589	3%
13B	L	B02-27	2-13-S-W-B-00	0	0		2	-13	-55	5	228		589	3%
14B	L	B02-2	22-14-S-F-B-00	0	0		2	-4	-11	7	385		2165	11%
15B	L	B02-22	2-15-S-W-B-00	-1	-1		-2	1	4		268		991	5%
16B	L	B02-22	2-16-S-W-B-00	0	0		2	-10	-42		192		-211	0
17B	L	B02-2	22-17-S-F-B-00	0-		2		-8	-34		268		552	3%
18B	L	B02-22	2-18-S-W-B-00	-1		-	-2	-6	-25		263		502	3%
		****					-	A	-					
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 		+						1	+				Name of the last o	
/ <u>'</u>				11000/	c			*d 40 00 ((T 3) +1		11 1000				

COMMENTS: Systematic direct measurements and 100% scan of wall were performed with 43-93 "L" at locations 1-11. 100% scan of the floor performed with 43-37 "K". All wall scans indicate less than 1800 dpm/100 cm² activity. All floor scans indicate less than 800 dpm/100 cm² activity. Judgmental bias measurements were taken at locations 12B - 15B. Supplemental scans were performed along 100% of the uncut edge of the floor with 43-93 "L". They indicate less than 1600 dpm/100 cm² activity and generated judgmental bias measurements 16B - 18B. Measurements taken on 10/5/15 used a background of 2 cpm α and 211 cpm β.

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SU Description & Number: BSA 02-22 Cushman Room (South

Walls and Floor)

Technician(s): (Print Name/Sign/Date)

Mark Shaffer While C. H

Survey Log Number: HDP-PF-083115-050

Reviewed By: GLEN C. Jakus

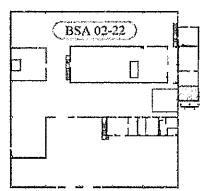
(Print Name/Sign/Date)

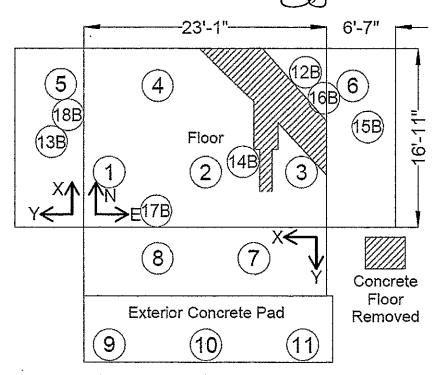
Date: 08/31/15

Time: 1025

Survey Area Map / Diagram (Indicate Area Scanned):

Location	Surface	Х	γ
1	Floor	2,4	5.2
2	Floor	11.6	5.2
3	Floor	20.8	5.2
4	Floor	7.0	13.4
5	West Wall	13.4	1.1
6	East Wall	20.4	2.3
7	South Wall	5.3	3.0
8	South Wall	16.1	3.0
9	Exterior Concrete Pad	2.4	-4.7
10	Exterior Concrete Pad	11.6	-4.7
11	Exterior Concrete Pad	20.8	-4.7





Note: The origin for the east wall section is located at the lower left corner of the wall in LSA 02-09.

COMMENTS: Systematic and biased directs performed with 43-93 "L" on 8/31/15. 100% floor scan performed with 43-37 "K" on 8/31/15. 100% wall scan performed with 43-93 "L". Supplemental floor scans, which generated 16B – 18B, were performed with 43-93 "L" on 10/5/15.