

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 02-25 Rod Load North and West Walls	Survey Log Number: HDP-PF-071615-037	Date: 07/16/15
Technician(s): Jahmai Williams (Print Name/Sign/Date) <i>Jahmai Williams 10-12-15</i>	Reviewed By: <i>ELLEN C. JAKUB 10/9/15</i> (Print Name/Sign/Date)	Time: 1440

Instrument # 1:				Instrument # 2:				Tennelec/Ludlum 2929:			
Instrument & Probe	43-93/ 2360 F	MDA (dpm/100cm ²)	642	Instrument & Probe	N/A	MDA (dpm/100cm ²)	N/A	Unit #: 2929 S/N 115578	"T"	Cal. Due:	10/30 /15
Instrument SN:	275001	Bkg 1:	167	Instrument SN:	↓	Bkg 1:	↓	Alpha Bkg:	0.6	BetaBkg:	49
Cal Due Date:	10/31/15	Bkg 2:	163	Cal Due Date:	↓	Bkg 2:	↓	Alpha Eff.	24.9%	BetaEff:	23.83%
Probe Size:	100 cm ²	Bkg 3:	185	Probe Size:	↓	Bkg 3:	↓	Alpha MDA (dpm)	26.5	Beta MDA (dpm)	149
Weighted Eff.:	9.97%	Ave. Bkg:	171.7	Weighted Eff.:	∇	Ave. Bkg:	∇	Batch No:	N/A	→	→

Sample No.	Instrument Number (i.e., 1 or 2)	Description	Removable Alpha		Removable Beta		Total Contam (α + β)		DCGL Fraction
			Net cpm	DPM/ 100cm ²	Net cpm	DPM/ 100cm ²	Gross cpm	DPM/ 100cm ²	
01	F	B02-25-01-S-W-S-00	0	2	-17	-71	113	-590	0
02	F	B02-25-02-S-W-S-00	-1	-2	-5	-21	122	-500	0
03	F	B02-25-03-S-W-S-00	1	6	-5	-21	120	-520	0
04	F	B02-25-04-S-W-S-00	-1	-2	-7	-29	144	-280	0
05	F	B02-25-05-S-W-S-00	-1	-2	-1	-4	149	-230	0
06	F	B02-25-06-S-W-S-00	-1	-2	-4	-17	134	-380	0
07	F	B02-25-07-S-W-S-00	-1	-2	8	34	137	-350	0
08	F	B02-25-08-S-W-S-00	0	2	-1	-4	134	-380	0
09	F	B02-25-09-S-W-S-00	0	2	-2	-8	119	-530	0
10	F	B02-25-10-S-W-S-00	1	6	2	8	137	-350	0
11	F	B02-25-11-S-W-S-00	-1	-2	3	13	142	-300	0
12	F	B02-25-12-S-W-S-00	-1	-2	-20	-84	128	-440	0
13	F	B02-25-13-S-W-S-00	-1	-2	-14	-59	139	-330	0
14	F	B02-25-14-S-W-S-00	-1	-2	-7	-29	124	-480	0

COMMENTS: Systematic direct measurements were performed with 43-93 "F" at locations 1 -14. 100% Scan performed with 43-93 "F". Scan results that appeared to exceed 50% of the DCGL were quantified with a biased sample on the next page. MDA calculations using weighted efficiencies revised 8/27/15.

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**APPENDIX A-1
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SU Description & Number: BSA 02-25 Rod Load North and West Walls				Survey Log Number: HDP-PF-071615-037				Date: 07/16/15			
Technician(s): Jahmai Williams (Print Name/Sign/Date) <i>Jahmai Williams 10-12-15</i>				Reviewed By: ELLEN C. JARUB (Print Name/Sign/Date) <i>Ellen C. Jarub 10/9/15</i>				Time: 1440			
Instrument # 1:			Instrument # 2:			Tennelec/Ludlum 2929:					
Instrument & Probe	43-93/ 2360 F	MDA (dpm/100cm ²)	642	Instrument & Probe	N/A	MDA (dpm/100cm ²)	N/A	Unit #: 2929 S/N 115578	"T"	Cal. Due:	10/30 /15
Instrument SN:	275001	Bkg 1:	167	Instrument SN:		Bkg 1:		Alpha Bkg:	0.6	BetaBkg:	49
Cal Due Date:	10/31/15	Bkg 2:	163	Cal Due Date:		Bkg 2:		Alpha Eff.	24.9%	BetaEff:	23.83%
Probe Size:	100 cm ²	Bkg 3:	185	Probe Size:		Bkg 3:		Alpha MDA (dpm)	26.5	Beta MDA (dpm)	149
Weighted Eff.:	9.97%	Ave. Bkg:	171.7	Weighted Eff.:	∇	Ave. Bkg:	∇	Batch No:	N/A		→
Sample No.	Instrument Number (i.e., 1 or 2)	Description	Removable Alpha		Removable Beta		Total Contam (α + β)		DCGL Fraction		
			Net cpm	DPM/ 100cm ²	Net cpm	DPM/ 100cm ²	Gross cpm	DPM/ 100cm ²			
15B	F	B02-25-15-S-W-B-00	3	14	-18	-76	906	7370	39%		

COMMENTS: Biased direct measurements were performed with 43-93 "F" at location 15B and found activity levels that exceed 37% of the DCGL. The contaminated drywall was removed and effective activity at that location is now zero. MDA calculations using weighted efficiencies revised 8/27/15.

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FINAL STATUS SURVEY RESULTS**

SU Description & Number: BSA 02-25 Rod Load North and West Walls

Survey Log Number: HDP-PF-071615-037

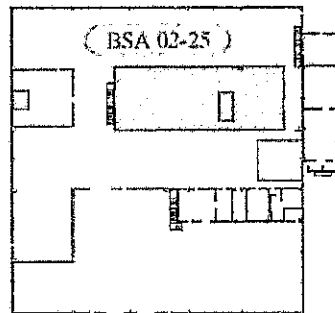
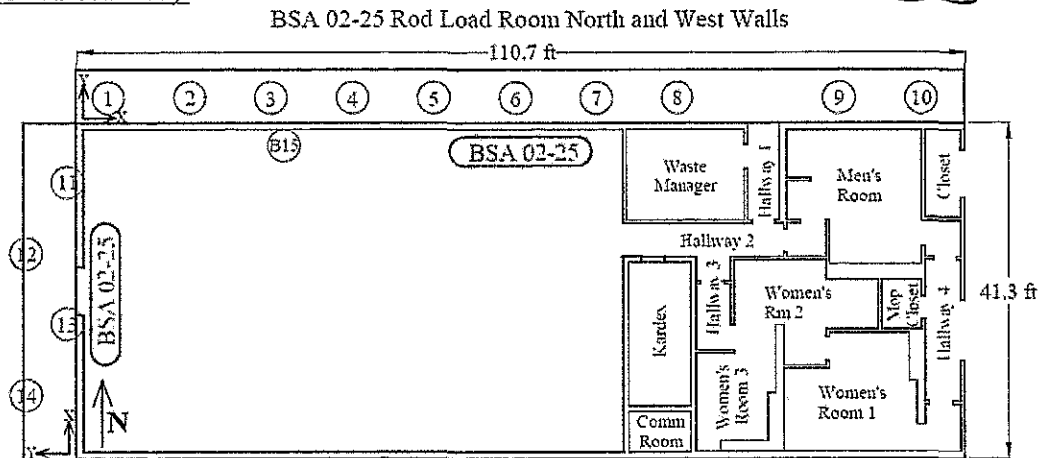
Date: 07/16/15

Technician(s): Jahmai Williams
(Print Name/Sign/Date) *Jahmai Williams* 10-12-15

Reviewed By: *ELLEN C. STUBBS* 10/9/15
(Print Name/Sign/Date) *Ellen C. Stubbs*

Time: 1440

Survey Area Map / Diagram (Indicate Area Scanned):



Location	Surface	X (feet)	Y (feet)
1	North Wall	4.0	2.1
2	North Wall	14.2	2.1
3	North Wall	24.3	2.1
4	North Wall	34.5	2.1
5	North Wall	44.7	2.1
6	North Wall	54.9	2.1
7	North Wall	65.0	2.1
8	North Wall	75.2	2.1
9	North Wall	85.5	2.1
10	North Wall	105.7	2.1
11	West Wall	34.6	1.1
12	West Wall	25.7	6.2
13	West Wall	16.9	1.1
14	West Wall	8.0	6.2

COMMENTS: Systematic directs performed with 43-93 "F" on locations 1 – 14 on 7/16/15. Biased direct survey was performed with 43-93 "F" on location 15B on 7/20/15. 100% Scan performed with 43-93 "F" beginning on 7/16/15 and completed on 7/20/15.