

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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Survey Unit Description & Survey Unit Number: BSA 01-02	Survey Log Number: HDP-PF-060315-025	Date: 06/03/15
Technician(s): Matt Cushman <i>W. Cushman</i> 10/12/15 (Print Name/Sign/Date) Jahmai Williams <i>Jahmai Williams</i> 10-12-15	Reviewed By: ELLEN C. JAKUB <i>Ellen C. Jakub</i> 10/12/15 (Print Name/Sign/Date)	Time: 1400

Instrument # 1:				Instrument # 2:				Tennelec/Ludlum 2929:			
Instrument & Probe	43-93/ 2360 H	MDA (dpm/100cm ²)	821	Instrument & Probe	43-93/ 2360 G	MDA (dpm/100cm ²)	836	Unit #: 2929 S/N 115578	"T"	Cal. Due:	10/30 /15
Instrument SN:	268477	Bkg 1:	236 cpm	Instrument SN:	227415	Bkg 1:	228 cpm	Alpha Bkg:	0.6	Beta Bkg:	49
Cal Due Date:	10/27/15	Bkg 2:	262 cpm	Cal Due Date:	10/31/15	Bkg 2:	211 cpm	Alpha Eff.	24.9%	Beta Eff.	23.83%
Probe Size:	100 cm ²	Bkg 3:	210 cpm	Probe Size:	100 cm ²	Bkg 3:	262 cpm	Alpha MDA (dpm)	26.5	Beta MDA (dpm)	149
Weighted Eff.:	9.07%	Ave. Bkg:	236 cpm	Weighted Eff.:	8.87%	Ave. Bkg:	234 cpm	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	
02	G	B01-02-02-S-W-S-00	-1	-2	-5	-21	388	1740	9.2%
03	G	B01-02-03-S-W-S-00	-1	-2	-2	-8	158	-109	0.0%
04	G	B01-02-04-S-W-S-00	-1	-2	4	17	386	1717	9.1%
05	G	B01-02-05-S-W-S-00	-1	-2	-3	-13	124	-481	0.0%
06	G	B01-02-06-S-W-S-00	-1	-2	-14	-59	309	849	4.5%
07	G	B01-02-07-S-W-S-00	0	2	-17	-71	205	421	2.2%
08	H	B01-02-08-S-R-S-00	0	2	11	46	307	783	4.1%
09	H	B01-02-09-S-R-S-00	-1	-2	-3	-13	220	-176	0.0%
10	H	B01-02-10-S-R-S-00	0	2	20	84	209	-298	0.0%
11	H	B01-02-11-S-R-S-00	0	2	7	29	197	-430	0.0%
12	H	B01-02-12-S-R-S-00	0	2	-8	-34	189	-518	0.0%

COMMENTS:

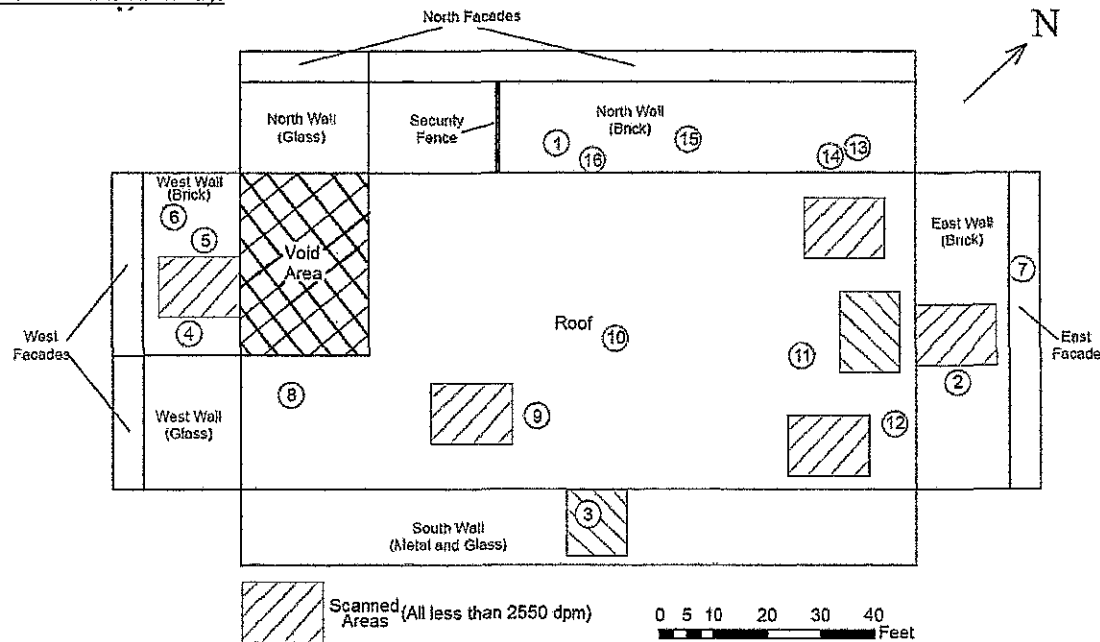
Measurements 02, 04, 06 taken on brick (bkgd 228, 211, 262). Measurements 03 and 07 taken on metal (door and façade) (bkgd 154, 176, 173). Measurement 05 taken on a glass window pane (177, 175, 148). Measurements 8 – 12 taken on rubberized roofing material (bkgd 236, 262, 210). All surfaces exhibited < 470 gross cpm. Wall static measurements taken with 43-93 "G". Roof measurements with 43-93 "H". Weighted efficiencies (8/27/15 revision) used for MDA calculations. The north wall of B110 was scanned on 3/25/15 and those results aren't included this survey.

Quality Record

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

Survey Unit Description & Survey Unit Number: BSA 01-02				Survey Log Number: HDP-PF-060315-025				Date: 6/03/15			
Technician(s): Matt Cushman <i>[Signature]</i> 10/12/15 (Print Name/Sign/Date) Jahmai Williams <i>[Signature]</i> 10-12-15				Reviewed By: ELLEN C. JAKUB <i>[Signature]</i> 10/12/15 (Print Name/Sign/Date)				Time: 1400			
Instrument # 1:				Instrument # 2:				Tennelec/Ludlum 2929:			
Instrument & Probe	43-93/ 2360 H	MDA (dpm/100cm ²)	821	Instrument & Probe	43-93/ 2360 G	MDA (dpm/100cm ²)	836	Unit #: 2929 S/N 115578	"T"	Cal. Due:	10/30 /15
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Probe Size:	100 cm ²	Bkg 3:	210 cpm	Probe Size:	100 cm ²	Bkg 3:	262 cpm	Alpha MDA (dpm)	26.5	Beta MDA (dpm)	149
Weighted Eff.:	9.07%	Ave. Bkg:	236 cpm	Weighted Eff.:	8.87%	Ave. Bkg:	234 cpm	Batch No:	N/A	→	

Survey Area Map / Diagram (Indicate Area Scanned):



COMMENTS: B110 exterior walls and roof scanned as above. Overall scanning percentage of 14% includes 100% of north wall.