

Hematite Decommissioning Project	Procedure: HDP-PR-FSS-712, Final Status Surveys of Structures, Systems, and Components (SSCs)		
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**APPENDIX A-1  
FINAL STATUS SURVEY RESULTS**

Survey Unit Description & Survey Unit Number:	FSS of BSA 04-07	Survey Log Number:	7694 C 160617	Date:	6/17/2016
Technician(s):	Jahmai Williams/ <i>Tal H...</i>	Reviewed by:	Joshy Bushman/ <i>je el 6/23/16</i>	Time:	11:00
<b>Instrument # 1</b>		<b>Instrument # 2</b>		<b>Tennelec</b>	
Instrument & Probe:	Lud 2360 43-89 I	Instrument & Probe:	N/A	Unit #:	1
Instrument SN:	275770	Instrument SN:	N/A	Alpha Bkg:	0.5
Cal Due Date:	2/24/2017	Cal Due Date:	N/A	Alpha Eff:	25.3%
Probe Size:	125	Probe Size:	N/A	Alpha MDA (dpm):	12.4
Weighted Eff.:	9.6%	Weighted Eff.:	N/A	Beta MDA (dpm):	23.6
MDA (dpm/100cm <sup>2</sup> ):	581.1	MDA (dpm/100cm <sup>2</sup> ):	N/A	Beta Bkg:	2.5
Bkg 1:	221	Bkg 1:	N/A	Beta Eff:	25.4%
Bkg 2:	206	Bkg 2:	N/A	Batch No:	52589
Bkg 3:	236	Bkg 3:	N/A		
Ave. Bkg:	221	Ave. Bkg:	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 <sup>2</sup>	Net CPM	DPM / 100cm <sup>2</sup>	Gross CPM	DPM / 100cm <sup>2</sup>	
1	1	B04-07-01-S-F-S-00	-0.5	0.0	-0.3	0.0	238	142	0.01
2	1	B04-07-02-S-F-S-00	1.5	5.9	0.0	0.0	253	267	0.01
3	1	B04-07-03-S-F-S-00	0.4	1.7	3.4	13.3	246	209	0.01
4	1	B04-07-04-S-F-S-00	0.5	1.9	0.4	1.4	229	67	0.00
5	1	B04-07-05-S-F-S-00	2.5	9.8	-0.3	0.0	257	301	0.02
6	1	B04-07-06-S-F-S-00	-0.5	0.0	-1.3	0.0	260	326	0.02
7	1	B04-07-07-S-F-S-00	1.4	5.6	5.0	19.8	272	426	0.02
8	1	B04-07-09-S-F-S-00	1.4	5.7	4.0	15.9	228	59	0.00
9	1	B04-07-12-S-F-B-00	-0.5	0.0	1.7	6.7	814	4956	0.26
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Comments:

B04-07-(08, 10, and 11)-S-F-S-00 were completed on Survey #7641-C-160607 in preparation for Baker Tank staging. A 100% scan was performed using Ludlum Instruments 2360 A, E, I, and M of remaining area.

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

**FORM HDP-PR-FSS-712-1 FINAL STATUS SURVEY RESULTS**

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Probe Size:	125	Bkg 3:	236	Probe Size:	N/A	Bkg 3:	N/A	Alpha MDA (dpm):	12.4	Beta MDA (dpm):	23.6
Weighted Eff.:	9.6%	Ave. Bkg:	221	Weighted Eff.:	N/A	Ave. Bkg:	N/A	Batch No:	52589		

Comments: B04-07-(08, 10, and 11)-S-F-S-00 were completed on Survey #7641-C-160607 in preparation for Baker Tank staging. A 100% scan was performed using Ludlum Instruments 2360 A, E, I, and M of remaining area.



**BSA 04-07 ~~Gamma Walkover Survey~~ Results**



Sample ID	Northing	Easting
B04-07-01-S-F-S-00	864532	827104
B04-07-02-S-F-S-00	864511	827116
B04-07-03-S-F-S-00	864511	827164
B04-07-04-S-F-S-00	864490	827104
B04-07-05-S-F-S-00	864490	827128
B04-07-06-S-F-S-00	864490	827152
B04-07-07-S-F-S-00	864490	827176
B04-07-08-S-F-S-00	864470	827116
B04-07-09-S-F-S-00	864470	827140
B04-07-10-S-F-S-00	864449	827128
B04-07-11-S-F-S-00	864428	827116

