

Hematite Decommissioning Project	Procedure: HDP-PR-FSS-712. Final Status Surveys of Structures, Systems, and Components (SSCs)	
	Revision: 5	Page A-1 of 2

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

Survey Unit Description & Survey Unit Number:	STM-3 / PSA 01-03		Survey Log Number:	6932C160203 <i>Rev. 1</i>		Date:	1/28/2016				
Technician(s):	<i>Thomas Yurly / Charles 1-24-17</i>		Reviewed by:	<i>W. Clark Eray / W. Allen 1/24/17</i>		Time:	16:30				
Print/Sign/Date			Print/Sign/Date								
Instrument # 1			Instrument # 2			Tennelec					
Instrument & Probe:	Lud 2360/43-68	MDA (dpm/100cm ²):	478.9	Instrument & Probe:	N/A	MDA (dpm/100cm ²):	N/A	Unit #:	N/A	Cal Due:	N/A
Instrument SN:	248144	Bkg 1:	145	Instrument SN:	N/A	Bkg 1:	N/A	Alpha Bkg:	N/A	Beta Bkg:	N/A
Cal Due Date:	10/2/2016	Bkg 2:	139	Cal Due Date:	N/A	Bkg 2:	N/A	Alpha Eff:	N/A	Beta Eff:	N/A
Probe Size:	125	Bkg 3:	154	Probe Size:	N/A	Bkg 3:	N/A	Alpha MDA (dpm):	N/A	Beta MDA (dpm):	N/A
Weighted Eff.:	9.5%	Ave. Bkg:	146	Weighted Eff.:	N/A	Ave. Bkg:	N/A	Batch No:	N/A		

Systematic FSS scan of STM-3. Pipe first surveyed from MH 23 towards MH 03. Then survey from MH 03 to the NE to a pipe seam. Survey from MH 03 towards MH 24, then 50' past MH 24 towards CI24B. Instrument sled pulled via braided steel cable at 1-2" per second. Static measurements taken at all points by allowing instrument to set in place for two minutes ensuring proper count. See map page 2 for systematic locations.

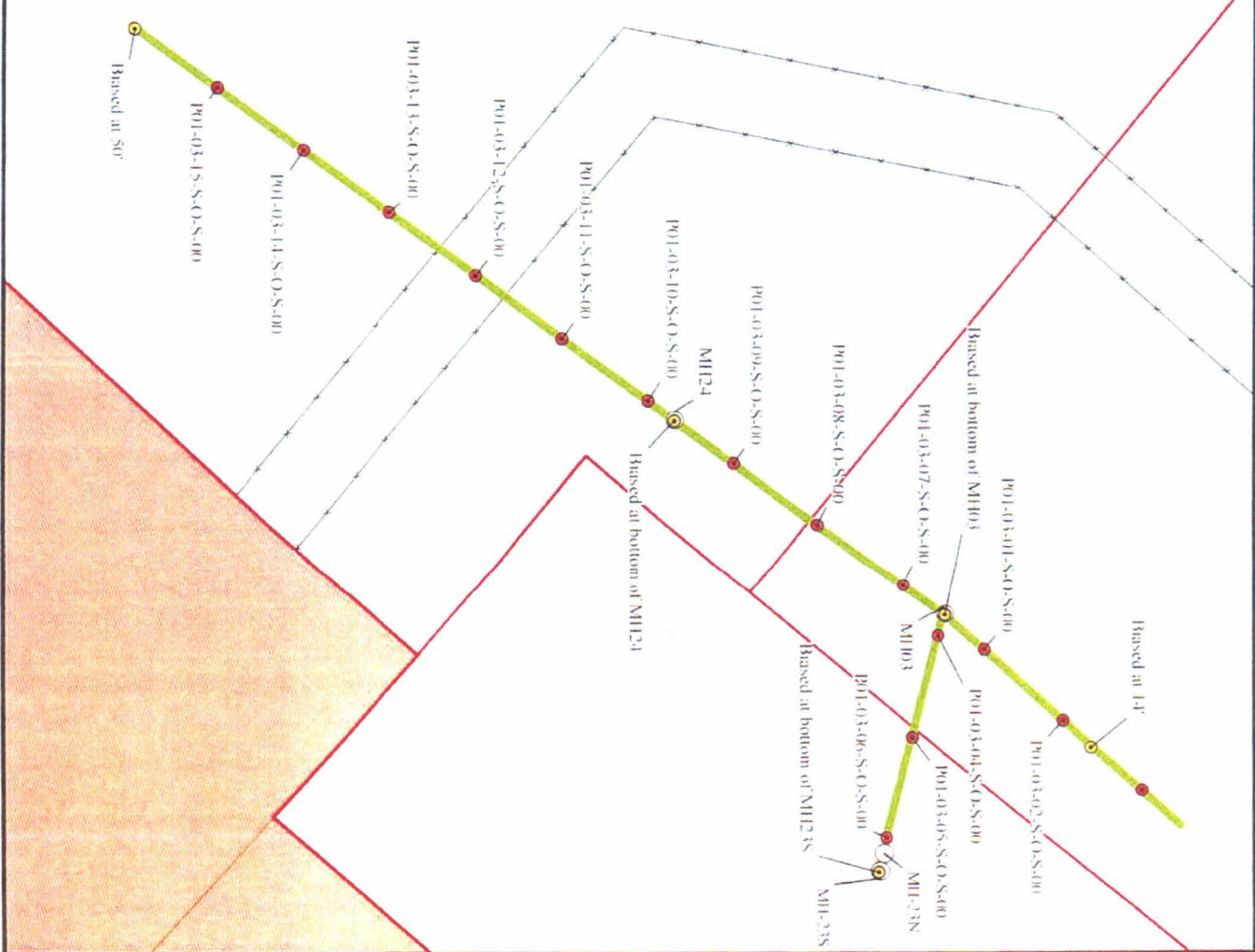
** Errors in original survey were corrected, + revision 1 to this survey has been issued.*

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	
1	1	Biased reading #1 - Bottom of MH 23(south)	N/A	N/A	N/A	N/A	186	339	0.02
2	1	P01-03-06-S-O-S-00	N/A	N/A	N/A	N/A	253	906	0.05
3	1	P01-03-05-S-O-S-00	N/A	N/A	N/A	N/A	298	1287	0.07
4	1	P01-03-04-S-O-S-00	N/A	N/A	N/A	N/A	300	1304	0.07
5	1	Biased reading #2 - Bottom of MH 3	N/A	N/A	N/A	N/A	92	0	0.00
6	1	P01-03-01-S-O-S-00	N/A	N/A	N/A	N/A	152	51	0.00
7	1	P01-03-02-S-O-S-00	N/A	N/A	N/A	N/A	106	0	0.00
8	1	Biased reading #3 - at seam	N/A	N/A	N/A	N/A	131	0	0.00
9	1	P01-03-07-S-O-S-00	N/A	N/A	N/A	N/A	104	0	0.00
10	1	P01-03-08-S-O-S-00	N/A	N/A	N/A	N/A	91	0	0.00
11	1	P01-03-09-S-O-S-00	N/A	N/A	N/A	N/A	74	0	0.00
12	1	Biased reading #4 - Bottom of MH 24	N/A	N/A	N/A	N/A	74	0	0.00
13	1	P01-03-10-S-O-S-00	N/A	N/A	N/A	N/A	136	0	0.00
14	1	P01-03-11-S-O-S-00	N/A	N/A	N/A	N/A	139	0	0.00
15	1	P01-03-12-S-O-S-00	N/A	N/A	N/A	N/A	78	0	0.00
16	1	P01-03-13-S-O-S-00	N/A	N/A	N/A	N/A	67	0	0.00
17	1	P01-03-14-S-O-S-00	N/A	N/A	N/A	N/A	85	0	0.00
18	1	P01-03-15-S-O-S-00	N/A	N/A	N/A	N/A	74	0	0.00
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A



Survey Unit	Sample ID	Distance from MH03 heading NE
PSA-01-03	P01-03-01-S-O-S-00	4ft
PSA-01-03	P01-03-02-S-O-S-00	12ft
PSA-01-03	P01-03-03-S-O-S-00	20ft
Survey Unit	Sample ID	Distance from MH03 heading East
PSA-01-03	P01-03-04-S-O-S-00	2ft
PSA-01-03	P01-03-05-S-O-S-00	10ft
PSA-01-03	P01-03-06-S-O-S-00	18ft
Survey Unit	Sample ID	Distance from MH03 heading SW
PSA-01-03	P01-03-07-S-O-S-00	4ft
PSA-01-03	P01-03-08-S-O-S-00	12ft
PSA-01-03	P01-03-09-S-O-S-00	20ft
Survey Unit	Sample ID	Distance from MH24 heading S.W.
PSA-01-03	P01-03-10-S-O-S-00	3ft
PSA-01-03	P01-03-11-S-O-S-00	11ft
PSA-01-03	P01-03-12-S-O-S-00	19ft
PSA-01-03	P01-03-13-S-O-S-00	27ft
PSA-01-03	P01-03-14-S-O-S-00	35ft
PSA-01-03	P01-03-15-S-O-S-00	43ft

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LEGEND:

- Biased Reading
- Sample Location
- PSA-01-03
- LSA Boundaries
- Man-Hole
- Building
- Haul Road
- Fence

Project Name	PSA-01-03
Survey #	6932 C 160203
Client	Jefferson County
Location	Hennipah, MO