

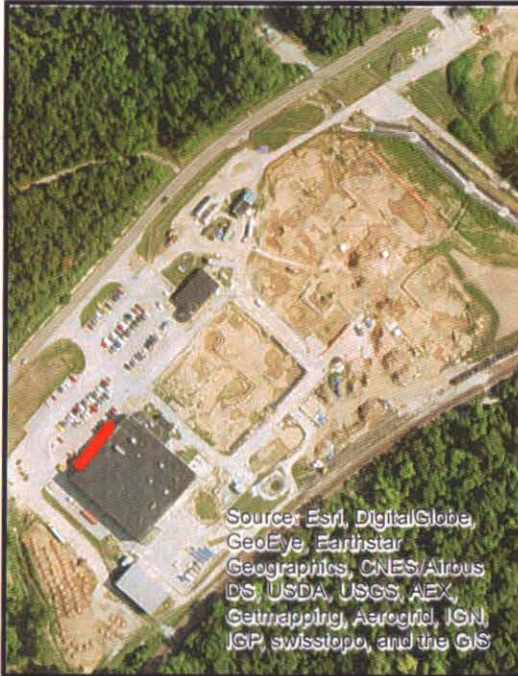
Hematite Decommissioning Project	Procedure: HDP-PR-FSS-712, Final Status Surveys of Structures, Systems, and Components (SSCs)	
	Revision: 5	Page A-1 of 2

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

Survey Unit Description & Survey Unit Number:	STM-4 / PSA 01-04	Survey Log Number:	7655C160608	Date:	6/7/2016
Technician(s): Print/Sign/Date	J. Michel / <i>JM</i> 6/9/16	Reviewed by: Print/Sign/Date	J. Bushman / <i>JB</i> 6/13/16	Time:	16:30
Instrument # 1		Instrument # 2		Tennelec	
Instrument & Probe:	Lud 2360/43-68 MDA (dpm/100cm ²): 532.4	Instrument & Probe:	N/A MDA (dpm/100cm ²): N/A	Unit #:	N/A
Instrument SN:	248144 Bkg 1: 181	Instrument SN:	N/A Bkg 1: N/A	Alpha Bkg:	N/A
Cal Due Date:	10/2/2016 Bkg 2: 188	Cal Due Date:	N/A Bkg 2: N/A	Alpha Eff:	N/A
Probe Size:	125 Bkg 3: 173	Probe Size:	N/A Bkg 3: N/A	Alpha MDA (dpm):	N/A
Weighted Eff.:	9.5% Ave. Bkg: 181	Weighted Eff.:	N/A Ave. Bkg: N/A	Beta MDA (dpm):	N/A
				Batch No:	N/A

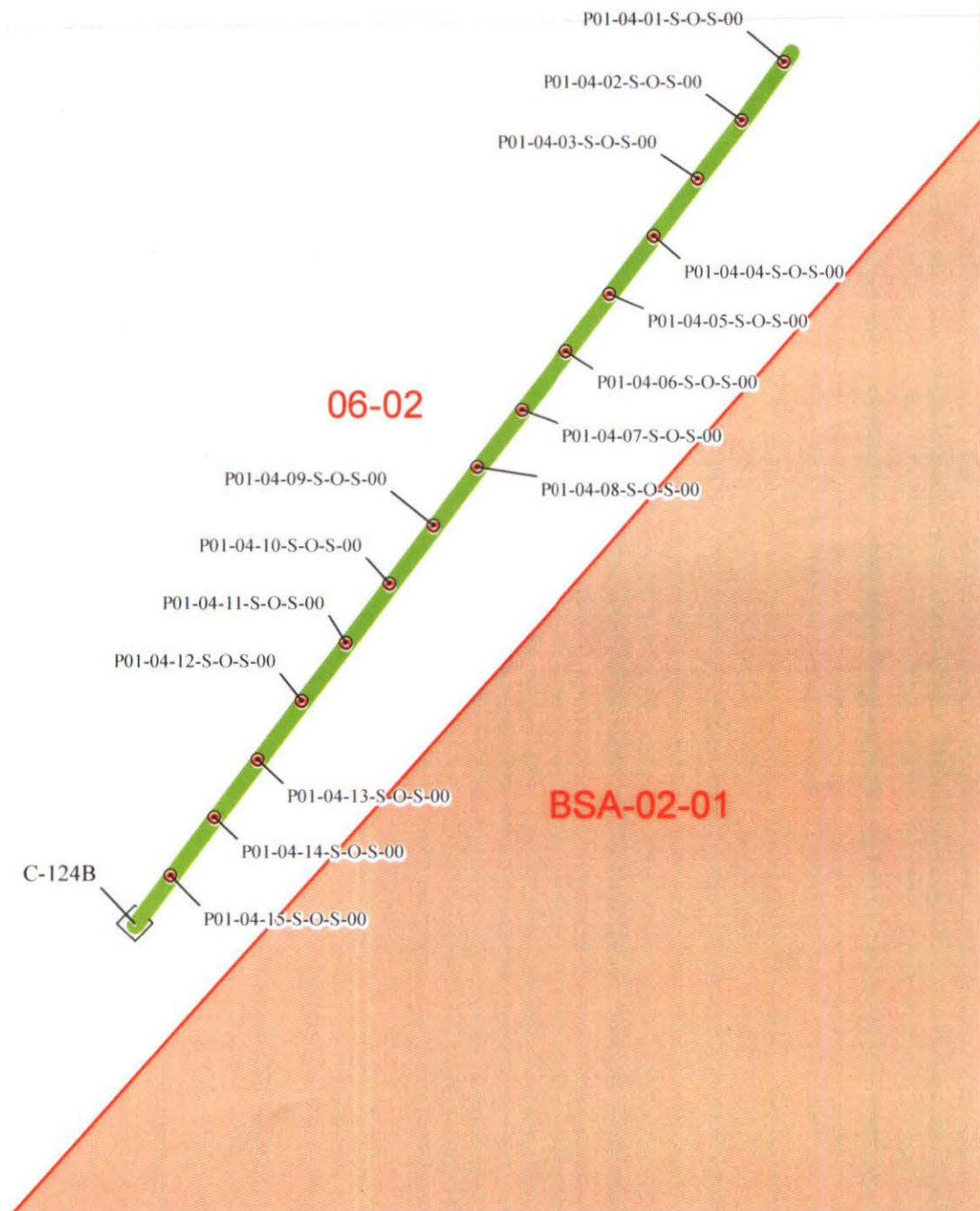
Comments: Systematic FSS scan of STM-4. Pipe surveyed from 50' Southwest of MH-24 to C-124B. Scan performed manually of all accessible areas on bottom of the pipe. Static measurements taken at all systematic locations. See map page 2 for systematic. 3 background readings taken in C-124B at waist level. No anomously readings over background observed.

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	P01-04-01-S-O-S-00	N/A	N/A	N/A	N/A	132	0	0.00
2	1	P01-04-02-S-O-S-00	N/A	N/A	N/A	N/A	121	0	0.00
3	1	P01-04-03-S-O-S-00	N/A	N/A	N/A	N/A	100	0	0.00
4	1	P01-04-04-S-O-S-00	N/A	N/A	N/A	N/A	105	0	0.00
5	1	P01-04-05-S-O-S-00	N/A	N/A	N/A	N/A	99	0	0.00
6	1	P01-04-06-S-O-S-00	N/A	N/A	N/A	N/A	114	0	0.00
7	1	P01-04-07-S-O-S-00	N/A	N/A	N/A	N/A	113	0	0.00
8	1	P01-04-08-S-O-S-00	N/A	N/A	N/A	N/A	95	0	0.00
9	1	P01-04-09-S-O-S-00	N/A	N/A	N/A	N/A	120	0	0.00
10	1	P01-04-10-S-O-S-00	N/A	N/A	N/A	N/A	101	0	0.00
11	1	P01-04-11-S-O-S-00	N/A	N/A	N/A	N/A	114	0	0.00
12	1	P01-04-12-S-O-S-00	N/A	N/A	N/A	N/A	98	0	0.00
13	1	P01-04-13-S-O-S-00	N/A	N/A	N/A	N/A	96	0	0.00
14	1	P01-04-14-S-O-S-00	N/A	N/A	N/A	N/A	99	0	0.00
15	1	P01-04-15-S-O-S-00	N/A	N/A	N/A	N/A	101	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
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A



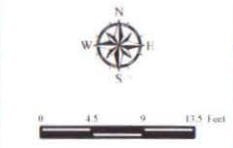
Survey Unit	Sample ID	Distance from 50' past MH-24 toward C-124B
PSA-01-04	P01-04-01-S-O-S-00	2 ft.
PSA-01-04	P01-04-02-S-O-S-00	9 ft.
PSA-01-04	P01-04-03-S-O-S-00	16 ft.
PSA-01-04	P01-04-04-S-O-S-00	23 ft.
PSA-01-04	P01-04-05-S-O-S-00	30 ft.
PSA-01-04	P01-04-06-S-O-S-00	37 ft.
PSA-01-04	P01-04-07-S-O-S-00	44 ft.
PSA-01-04	P01-04-08-S-O-S-00	51 ft.
PSA-01-04	P01-04-09-S-O-S-00	58 ft.
PSA-01-04	P01-04-10-S-O-S-00	65 ft.
PSA-01-04	P01-04-11-S-O-S-00	72 ft.
PSA-01-04	P01-04-12-S-O-S-00	79 ft.
PSA-01-04	P01-04-13-S-O-S-00	86 ft.
PSA-01-04	P01-04-14-S-O-S-00	93 ft.
PSA-01-04	P01-04-15-S-O-S-00	100 ft.

C:\GIS Data\Projects\Owners\PSA_01_04_Piping Survey_Map_060916.mxd



- LEGEND:**
- STM - 4 Pipe Samples
 - STM - 4
 - LSA Boundaries
 - C - 124B
 - Building
 - × Fence

SURVEY LOG # -
7455 C140608



Requested By: C. Evers	Document Reason: HDP-ENG-13-WP-009		
PSA-01-04 Piping Figure			
Hematite Decommissioning Project Jefferson County Hematite, MO			
Prepared By: SDI	Rev: 0	Size: 11x17	Date: 12-04-15