

Hematite  
Decommissioning  
Project

Procedure: HDP-PR-FSS-701, Final Status Survey Plan Development

Westinghouse Non-Proprietary Class 3

Revision: 4

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**APPENDIX P-6  
FSS FIELD LOG**

**Survey Area:** LSA 10

**Description:**

Burial Pits Open Land Area

**Survey Unit:** 04

**Description:**

East Central Survey Unit (N. Burial Pit Area)

**FSS Field Log:**

**Date/Time:**

**Observation or Comment:**

**Technician**

01/09/15

Prior to beginning GWS, a task-specific safety briefing was performed by the FSS Supervisor. In the field, before GWS commenced FSS crew confirmed I & C integrity. Background levels were measured at 11K – 12K gross cpm; however, the measurement location in the SU was close enough to active remediations so that external gamma radiation (“shine”) was a minimal influence. Performed GWS in SU between ~1400 to ~1630. Weather conditions were sunny and cold (20s F). Approximately 20% to 25% of the SU was estimated to be covered by ice – not available for GWS. An accidental rate-meter switch resulted in the loss of about 60 minutes of data on 2” x 2” System “B”. System “C” was also used without incident. GWS files generated were:

Matt  
Cushman



LSA\_10\_04\_010915\_B\_MC and LSA\_10\_04\_010915\_C\_BM.

The maximum GWS reading was ~ 14 Kcpm (gross).

01/13/15

Prior to GWS, a task-specific safety briefing was performed by the FSS Supervisor. In the field before GWS commenced, FSS crew confirmed I & C integrity and measured background at about 11 K. cpm gross for both systems used. No anomalous conditions, impediments, or foreign debris was noted. Large ice sheets were noted in select areas which will require dewatering and removal for GWS completion. Weather conditions were sunny and cold (20s F). Melting of the upper soil layer resulted in slick, muddy surface conditions. GPS/NaI Systems “B” and “C” used. GWS files generated were:

Jahmai

Williams



LSA\_10\_04\_011315\_B\_JW and LSA\_10\_04\_011315\_C\_BM. Exited area at ~1130.

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<b>Survey Area:</b>	LSA10	<b>Description:</b>	Burial Pits Open Land Area
<b>Survey Unit:</b>	04	<b>Description:</b>	East Central Survey Unit (Northern Burial Pit Area)

**FSS Field Log:**

<b><u>Date/Time:</u></b>	<b><u>Observation or Comment:</u></b>	<b><u>Technician</u></b>
01/14/15	<p>Prior to beginning GWS, a task-specific safety briefing was performed by the FSS Supervisor. In the field, before GWS commenced FSS crew confirmed I &amp; C integrity. Background levels were measured at 11K – 12K gross cpm; however, the measurement location in the SU was close enough to active remediations so that external gamma radiation (“shine”) was considered to be a minimal influence. Entered LSA 10-04 to continue GWS in accessible areas. Weather conditions were overcast and cold (20s F). Approximately 20% to 25% of the SU still covered by ice – not available for GWS. Attempted to flag systematic sample locations but frozen ground prevented markouts. GPS/Nal System “B” and System “C” used without incident. GWS files generated were:</p> <p>LSA_10_04_011415_B_JW and LSA_10_04_011415_C_MC.</p>	Matt Cushman 
01/15/15	<p>Prior to GWS, a task-specific safety briefing was performed by the FSS Supervisor. In the field before sampling commenced, FSS crew confirmed I &amp; C integrity. Weather conditions were sunny and cool (40s F). Entered into LSA10-04 at 1300 to flag out and collect systematic samples. Locations “06” and “09” were inaccessible due to ice. Successfully collected all remaining locations “01”, “02”, “03”, “04”, “05”, “07”, “08”, “10”, “11”, and “12”. Exited LSA Area at 1615.</p> <p>(No GWS performed this date).</p>	Matt Cushman 

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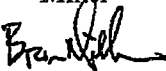
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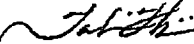
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FSS FIELD LOG**

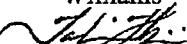
<b>Survey Area:</b>	LSA 10	<b>Description:</b>	Burial Pits Open Land Area
<b>Survey Unit:</b>	04	<b>Description:</b>	East Central Survey Unit (N. Burial Pit Area)

**FSS Field Log:**

<b><u>Date/Time:</u></b>	<b><u>Observation or Comment:</u></b>	<b><u>Technician</u></b>
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01/17/15	<p>Prior to field work, instrumentation was pre-use source checked and a task-specific safety briefing was performed by the FSS Supervisor. After entering the LSA, the FSS personnel confirmed I &amp; C integrity in Area 1. Entered LSA 10-04 at ~1000 to continue GWS in accessible areas. Weather conditions were partly cloudy, breezy, and mild (40° - 60° F). Approximately 15% to 20% of the SU still covered by ice – not available for GWS. Ice removal and dewatering support in effect. GPS/NaI System “B” used without incident. GWS files created:</p> <p>LSA_10_04_011715_B_JW and LSA_10_04_011715_B2_JW.</p> <p>Collected systematic sample locations “06” at 1105 and “09” at 1410.</p> <p>Exited LSA by 1600 and performed post-use FSS instrumentation checks.</p>	<p>Brian Miller </p>
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01/19/15	<p>Prior to field work, FSS instrumentation was pre-use source checked and a task-specific safety brief was performed by the FSS Supervisor. After entering the LSA, FSS personnel confirmed I &amp; C integrity in Area 1. Weather conditions were sunny and mild (50s F). Dewatering and ice removal support ongoing. Entered LSA 10-04 at ~0900 and performed GWS on newly accessible areas. Located one spot above the IAL at 18K and flagged it. Complete the newly available areas and exit area at 1245. After discussion with Operations, dewatering efforts are transferred to the deepest spots in LSA 10-04, namely the square pit and the spot on the border of LSA-10-12, which will require constant dewatering to stay caught up with infiltration. Return to 10-04 to perform GWS on those areas at 1345. Complete GWS for LSA 10-04 at ~1630 and exit the area for post-use checks. GWS files created:</p> <p>LSA_10_04_011915_B_MC LSA_10_04_011915_B2_JW LSA_10_04_011915_C_JW</p>	<p>Jahmai Williams </p>
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01/20/15	<p>Prior to field work, FSS instrumentation was pre-use source checked and a task-specific safety brief was performed by the FSS Supervisor. After entering the LSA at ~0815, FSS personnel confirmed I &amp; C integrity in Area 1. Weather conditions were sunny and cold (30s F). Two biased samples were collected from the elevated areas identified from previous GWS:</p> <p>L10-04-13-B-E-B-00 (18K Gross cpm in-situ) and L10-04-14-B-E-B-00 (14K Gross cpm in-situ).</p> <p>Exit area at 1045</p>	<p>Jahmai Williams </p>
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**Description:** Burial Pits Open Land Area

**Survey Unit:** 04

**Description:** East Central Survey Unit (N. Burial Pit Area)

**FSS Field Log:**

**Date/Time:**


**Observation or Comment:**

**Technician**

05/08/15

At 0800 a task-specific safety briefing was performed by the FSS Supervisor in preparations for sidewall biased soil sampling in LSA 10-04 per an NRC Directive. Entered LSA 10-04 at 0845 to confirm I&C integrity and perform a quality walk-down. Commenced sidewall sampling at 0900. Concluded sidewall sampling and exited LSA 10-04 at 0940. Sample coordinates and void readings were recorded via GPS and NaI 2"x 2".

Jahmai  
Williams



Files generated:

LSA\_10\_04\_050815\_E\_JW

Sample IDs:

L10-04-15-B-E-B-00

L10-04-16-B-E-B-00

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