

**APPENDIX P-6
FSS FIELD LOG****Survey Area:** LSA10**Description:** Burial Pits Open Land Area**Survey Unit:** 03**Description:** East Central Survey Unit (N. Burial Pit Area)**FSS Field Log:****Date/Time:****Observation or Comment:****Technician**

01/16/15

Prior to beginning GWS of LSA 10-03, a task-specific safety briefing was performed by the FSS Supervisor. In the field before GWS commenced, FSS crew confirmed I & C integrity and inspected the area for debris. 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. Weather conditions were sunny and mild (40s F). Approximately 30% of the SU is covered by ice / saturated soil and not available for GWS. Some of the ice was observed to be greater than 2" thick. Began collecting GWS data at 1010. Exit area at 1145. Begin second GWS effort at 1345. Temperature tops out around 50 F. End collection at 1650. GWS files generated:

Matt
Cushman

LSA_10_03_011615_B_MC

LSA_10_03_011615_B2_MC

LSA_10_03_011615_C_JW

LSA_10_03_011615_C2_JW

01/19/15

Prior to GWS, a task-specific safety briefing was performed by the FSS Supervisor. Weather conditions were sunny and mild (low 50s F). Entered into LSA10-03 after performing duties in 10-04 to survey newly available areas at 1445. Inspected area for I&C and began GWS work. Low point of SU was a 12 x 8' x 4' deep hole that needed to be constantly dewatered due to infiltration. A piece of plywood was placed at the bottom for footing and had to be moved in order to scan the sidewalls. End collection at 1615. Significant portions 20%+ still unavailable due to ice / water levels. LSA 10-03 systematic soil sample locations were flagged. GWS files generated:

Matt
Cushman

LSA_10_03_011915_C_MC

01/20/15

Prior to beginning GWS of LSA 10-03, a task-specific safety briefing was performed by the FSS Supervisor. In the field, before GWS commenced FSS crew confirmed I & C integrity. Weather conditions were sunny and cold (30 F) at entry (0830). Additional area available for survey, but overnight freeze affected pumps, preventing dewatering in the early morning. Exit area at 1045. Return to area at 1330 to perform systematic sampling of 10-03. After all systematic samples were collected, return to GWS to take advantage of newly de-watered low areas. Another low spot, this one a 8' x 6' x 3' soft-bottomed, recharging depression. All sidewalls scanned in addition to ground surface noted on GPS datalogger. Exited area at 1715. GWS files generated:

Jahmai

Williams

LSA_10_03_012015_B_MC

LSA_10_03_012015_C_JW

LSA_10_03_012015_C2_JW

APPENDIX P-6 FSS FIELD LOG

Survey Area: LSA10

Description:

Burial Pits Open Land Area

Survey Unit: 03

Description:

East Central Survey Unit (N. Burial Pit Area)

FSS Field Log:

Date/Time:

Observation or Comment:

Technician

01/21/15

Prior to beginning GWS of LSA 10-03, a task-specific safety briefing was performed by the FSS Supervisor. In the field before GWS commenced, FSS crew confirmed I & C integrity. Began survey at 0845. Survey rate is 1 ft/sec or less. Weather conditions were sunny and ~40° F. Total area covered by unacceptable levels of ice is much reduced. Exit the area at 11:20. Return to area at 1345. Some remaining low areas continue to recharge, remaining saturated. Complete survey till 1630. Three elevated areas exceeding the IAL were flagged for subsequent biased sampling. GWS of LSA 10-03 should be substantially complete. GWS files generated:

Jahmai
Williams

LSA_10_03_012115_C_JW

LSA_10_03_012115_C2_JW

01/23/15

Prior to beginning GWS of LSA 10-03, a task-specific safety briefing was performed by the FSS Supervisor. In the field before GWS commenced, FSS crew confirmed I & C integrity. Weather conditions were sunny and 40° F. Terrain was relatively dry. Performed GWS on elevated areas that have been remediated. Overall activity levels have declined, but an elevated area of 20K gross cpm uniform exists at the bottom of largest area of remediation. Exited site at 1100 due to planned power outage by Ameren. GWS files generated:

Matt
Cushman

LSA_10_03_012315_B_MC

LSA_10_03_012315_HotspotRemediation_C_JW

LSA_10_03_012315_Gapfill_C_JW

01/27/15

1000 Conducted Z Score analysis incorporating post-remediation data and determined three bias sample points. Prior to collecting biased samples in LSA 10-03, a task-specific safety briefing was performed by the FSS Supervisor and the FSS crew confirmed I & C integrity. Weather Conditions are sunny and 47° F. Sample IDs:

Matt
Cushman

L10-03-10-B-E-B-00

L10-03-11-B-E-B-00




L10-03-12-B-E-B-00

FSS Field Log 2 of 4

**APPENDIX P-6
FSS FIELD LOG**

Survey Area:	<u>LSA10</u>	Description:	<u>Burial Pits Open Land Area</u>
Survey Unit:	<u>03</u>	Description:	<u>East Central Survey Unit (N. Burial Pit Area)</u>

FSS Field Log:

<u>Date/Time:</u>	<u>Observation or Comment:</u>	<u>Technician</u>
02/05/15	Prior to entering LSA 10-03, a task-specific safety briefing was performed by the FSS Supervisor and the FSS crew confirmed I & C integrity. At 1100 identified and flagged (7) points for Westinghouse personnel based on newly attained lab data and areas of interest with elevated readings. Weather conditions were sunny and within the 20s F. Exited LSA 10-03 at ~ 1230.	Matt Cushman 
02/06/15	Prior to beginning GWS of LSA 10-03, a task-specific safety briefing was performed by the FSS Supervisor. In the field before GWS commenced, FSS crew confirmed I & C integrity. Weather conditions were sunny and ~ 50F. Performed GWS on newly remediated areas prior to being rendered inaccessible due to ground water recharge. Exited I & C at ~1710 to perform instrument post-use checks. GWS files generated: LSA_10_03_020615_B_MC	Matt Cushman 
02/10/15	At ~0930 received and conducted a briefing on FSS Procedural revisions to HDP-PR-FSS-711 and HDP-PR-HP-416. A task-specific safety briefing was then performed by the FSS Supervisor. The FSS crew entered the field to confirm I & C integrity and additional GWS Data of LSA 10-03 commenced at ~1350. Weather Conditions are sunny and ~35° F. Exited I & C at ~1710 to perform instrument post-use checks. GWS files generated: LSA_10_03_021015_B_MC LSA_10_03_021015_B2_MC	Matt Cushman 

FSS Field Log 3 of 4

Hematite
Decommissioning
Project

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

Westinghouse Non-Proprietary Class 3

Revision: 4

Appendix P-6, Page 1 of 1

**APPENDIX P-6
FSS FIELD LOG**

Survey Area: LSA10

Description:

Burial Pits Open Land Area

Survey Unit: 03

Description:

East Central Survey Unit (N. Burial Pit Area)

FSS Field Log:

Date/Time:

Observation or Comment:

Technician

02/11/15

Prior to entering LSA 10-03, a task-specific safety briefing was performed by the FSS Supervisor and the FSS crew confirmed I & C integrity. At ~0920 the FSS crew confirmed I & C integrity and coordinated to commence dewatering efforts aiding in surface access for GWS. Exited I & C at ~1200. Received confirmation of successful dewatering at ~1300 and entered I&C at ~1340. Weather is partly cloudy and 44° F. Completed GWS of LSA 10-03 at 1610. Exited I & C at ~1705 to perform instrument post-use checks. GWS files generated:

LSA_10_03_021115_B_MC_Gapfill

Matt

Cushman



02/17/15

Prior to entering LSA 10-03, a task-specific safety briefing was performed by the FSS Supervisor and the FSS crew confirmed I & C integrity. Weather was partly cloudy and approximately 25° F. Post VOC remediation Z Score analysis identified a new biased sample location, so we collected L10-03-13-B-E-B-00.

Matt

Cushman



FSS Field Log 4 of 4

Quality Record

Hematite
Decommissioning
Project

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

Westinghouse Non-Proprietary Class 3

Revision: 4

Appendix P-6, Page 1 of 1

**APPENDIX P-6
FSS FIELD LOG**

Survey Area: LSA 10

Description: Burial Pits Open Land Area

Survey Unit: 03

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

FSS Field Log:

Date/Time:

Observation or Comment:

Technician

05/21/15

At 0630 a task-specific safety briefing was performed by the FSS Supervisor in preparations for sidewall biased soil sampling in LSA 10-03 per an NRC Directive. Entered LSA 10-03 at 0710 to confirm I&C integrity and perform a quality walk-down. Commenced sidewall sampling at 0725. Concluded sidewall sampling and exited LSA 10-03 at 0735. Sample coordinates and void readings were recorded via GPS and NaI 2"x 2".

Jahmai
Williams



Files generated:

LSA_10_03_052115_A_JW_BIASES

Sample IDs:

L10-03-15-B-E-B-00

L10-03-16-B-E-B-00

FSS Field Log 1 of 1

Quality Record