Quality Record

HDP-PR-FSS-701, Final Status Survey Plan Development APPENDIX P-6 FSS FIELD LOG

Survey Area:	LSA-05	Description:	Barn and Cistern Open Land	Area
Survey Unit:	02/03	Description:	Tile Barn Area	
FSS Field Log	<u>:</u>			
Date/Time:	Observation or	Comment:		Technician
08/19/13 0630	Received our dai	lly FSS briefing and sa	fety briefing.	SDJ / NJJ / JH
08/19/13 0700	All meters succes	ssfully passed the sour	k for all FSS instruments. ce check. Proceeded d systematic soil sampling	
08/19/13 0730	3134 C 130819 fo in LSA 05-02. Sa Sample ID S L050251PRS00 L050252PES00 L050253PES00 L050254PES00 L050256PRS00 L050257PES00 L050261PRS00 L050262PES00	or more information. I amples taken at the foll Start Depth Easting 0.0' 1.0' 82667 4.1 1.0' 1.5' 826674.1	p area of LSA 05-02. See survey Finished systematic soil sampling owing locations and depths: Northing 864747.7 864747.7 864737.8 864720.8 864693.9 804693.9 864667.1 864667.1 Formation	
08/19/13 1300	Began the GWS o between LSA 05-0		a snow fence boundary	
08/19/13 1600	In LSA 05-03 base L050323PUB00 L050324PUB00 L050325PUB00		783.77 727.64	
08/19/13 1800	Performed post sou successfully.	urce check of all FSS r	neters. All meters passed post sou	rce check
	ÈND SDJ / NJJ / J	ΙΗ	FSS Fiel	d Log <u> </u> of <u> </u>

Rev	rision: 2			Page P1 of 2	
	HDP-PR-FSS-701, Final Status Survey Plan Development APPENDIX P-6 FSS FIELD LOG				
Survey Area:	LSA-05	Description:	Barn and Cistern Open Land	Area	
Survey Unit:	02 & 03	Description:	Tile Barn Area		
FSS Field Log	<u>z:</u>				
<u>Date/Time:</u>	Observation or	Comment:		<u>Technician</u>	
08/20/13 0630	Received our dai	ly FSS briefing and safe	ty briefing.	SDJ/NJJ/JAH	
08/20/13 0700		instrument source check ssfully passed the source	for all FSS instruments. check.		
08/20/13 0715	N. Jordan comple equipment for fiel	eted documentation of real documentation of real documentation of real document.	cent surveys. Gathered necessar	У	
08/20/13 0730	08/20/13 0730 Began job coverage at the barns area in support of ECC work in LSA 05-01, GWS and sample point flagging within LSA 05-03 and LSA 05-02 sump area GWS.				
08/20/13 1000	00 N. Jordan completed GWS of Sump Area within LSA 05-02. See survey 3164 C 130820 for more information.				
08/20/13 1100	1100 S. Jenkins and N. Jordan completed survey of interior of the storm water basin located in LSA 05-02. See survey 3162 C 130820 for more information.			tion.	
08/20/13 1300	0/13 1300 S. Jenkins pulled biased soil sample in the bottom of the Sump Area in LSA 05-02 at the following location:				
	L050269PUB00 N- 864673.01 E- 826687.53. See survey 3335 C 130820 for more information.				
08/20/13 1455	08/20/13 1455 Performed biased sampling at the following location in LSA 05-03 sidewall:				
	L050326PUB00	N-864825.94 E-82669	9.56		
			FSS Fiel	d Log 🖵 of 🧎	

Technician

HDP-PR-FSS-701, Final Status Survey Plan Development APPENDIX P-6 FSS FIELD LOG

<u>Date/Time:</u> Observation or Comment:

08/20/13 1520 Performed systematic soil sampling of the following locations within LSA SDJ/NJJ/JAH 05-03 with support from the Operations department:

Sample ID	Start	End	Easting	Northing
L050301PRS00	0.0'	2.0'	826747.6	864773.6
L050302PES00	2.0'	2.5'	826747.6	864773.6
L050303PRS00	0.0'	1.5'	826706.5	864784.6
L050304PEQ00	1.5'	2.0'	826706.5	864784.6
L050304PES00	1.5'	2.0'	826706.5	864784.6
L050305PRS00	0.0'	4.5'	826777.6	864803.6
L050306PES00	4.5'	5.0'	826777.6	864803.6
L050307PRS00	0.0'	3.0'	826736.6	864814.6
L050308PES00	3.0'	3.5'	826736.6	864814.6

- 08/20/13 1730 Completed equipment decontamination and clean-up of sample processing area.
- 08/20/13 1800 Secured all samples within the sample cage. Performed post source check of all FSS meters. All meters passed post source check successfully.

END SDJ/NJJ/JAH

FSS Field Log 者 of 🄁

Quality Record

HDP-PR-FSS-701, Final Status Survey Plan Development APPENDIX P-6 FSS FIELD LOG

Survey Area:	LSA-05	Dese	cription:	Barn ar	nd Cistern Open Lan	d Area
Survey Unit:	02 & 03	Dese	cription:	Tile Ba	rn Area	
		_				
FSS Field Log	<u>:</u>					
Date/Time:	Observation or Con	<u>nment:</u>				Technician
08/21/13 0630	Received our daily F	SS briefi	ng and saf	ety briefing		SDJ/NJJ/JAH
08/21/13 0700	all meters successful	Performed daily instrument source check for all FSS instruments. all meters successfully passed the source check. Gathered necessary sampling equipment and supplies.				
08/21/13 0900	Continued systematic samples were taken:	soil sam	pling in LS	SA 05-03. 7	The following soil	
	Sample ID	Start	Depth	Easting	Northing	
	L050309PRS00	0	4.5	826807.7	864833.7	
	L050310PES00	4.5	5	826807.7	864833.7	
	L050311PRS00	0	4	826766.6	864844.7	
	L050312PES00	4	4.5	826766.6	864844.7	
	L050313PRS00	0	4	826725.6	864855.7	
	L050314PES00	4	4.5	826725.6	864855.7	
	L050315PRS00	0	4	826837.7	864863.7	
	L050316PES00	4	4.5	826837.7	864863.7	
	L050317PRS00	0	3.5	826796.7	864874.7	
	L050318PES00	3.5	4	826796.7	864874.7	
	L050319PRS00	0	3	826755.6	864885.7	
	L050320PES00	3	3.5	826755.6	864885.7	
	L050321PRS00	0	3.5	826826.7	864904.8	
	L050322PES00	3.5	4	826826.7	864904.8	

See survey 3309 C 130821 for more information.

FSS Field Log \mid of 2

Technician

HDP-PR-FSS-701, Final Status Survey Plan Development APPENDIX P-6 FSS FIELD LOG

Date/Time: Observation or Comment:

08/21/13 0915 Pulled biased soil samples at the following locations during systematic SDJ/NJJ/JAH sampling efforts: Sample ID Depth Start Easting Northing 826692.97 L050327PUB00 0 0.5 864816.6 L050328PUB00 0 0.5 826704.8 864821.84 L050329PUB00 0 0.5 826699.56 864825.94

0.5

826755.52 864786.04

L050331PUB0000.5826755.81864787.23L050332PUB0000.5826751.01864786.9

See survey 3310 C 130821 for more information.

0

08/21/13 1630 Completed soil sampling efforts.

L050330PUB00

- 08/21/13 1730 Completed equipment decontamination and clean-up of sample processing area.
- 08/21/13 1800 Secured all samples within the sample cage. Performed post source check of all FSS meters. All meters passed post source check successfully.

END SDJ/NJJ/JAH

FSS Field Log 2 of 3

Survey Unit: 03 Description: Tile Barn Area FSS Field Log: Date/Time: Observation or Comment: Technician 08/22/13 0630 Received our daily FSS briefing and safety briefing. SDJ/NJJ/JAH 08/22/13 0700 Performed daily instrument source check for all FSS instruments. all meters successfully passed the source check. Gathered necessary equipment and supplies. SDJ/NJJ/JAH 08/22/13 0830 Conducted Non-Soil surveys within LSA 05-03. This survey included All manmade items still present within the survey unit. Items surveyed Included, light post, fence posts, fire hydrants and water main valve caps. 08/22/13 0900 Continued GWS of LSA 05-03. Provided as needed job coverage for ECC In LSA 05-01. 08/22/13 0915 Conducted biased soil sampling of areas flagged during GWS of LSA 05-03. The following locations were sampled. L050333PUB00 N-864818.330 E-826694.62 L050333PUB00 N-864823.57 E-826701.213 L050333PUB00 N-864827.67 E-826797.174 L050333PUB00 N-864787.770 E-826757.464 See survey 3384 C 130822 for more information. E-826757.464	Revi	sion: 2 HDP-PR-		s Survey Plan Development	Page P1
Survey Unit: 03 Description: Tile Barn Area FSS Field Log: Date/Time: Observation or Comment: Technician 08/22/13 0630 Received our daily FSS briefing and safety briefing. SDJ/NJJ/JAH 08/22/13 0700 Performed daily instrument source check for all FSS instruments. all meters successfully passed the source check. Gathered necessary equipment and supplies. SDJ/NJJ/JAH 08/22/13 0830 Conducted Non-Soil surveys within LSA 05-03. This survey included All manmade items still present within the survey unit. Items surveyed Included, light post, fence posts, fire hydrants and water main valve caps. 08/22/13 0900 Continued GWS of LSA 05-03. Provided as needed job coverage for ECC In LSA 05-01. 08/22/13 0915 Conducted biased soil sampling of areas flagged during GWS of LSA 05-03. The following locations were sampled. 08/22/13 0915 Conducted biased soil sampling of areas flagged during GWS of LSA 05-03. The following locations were sampled. 08/22/13 0915 Conducted biased soil sampling of areas flagged during GWS of LSA 05-03. The following locations were sampled. 050333PUB00 N-864818.330 E-826694.62 L050333PUB00 050337PUB00 N-864787.770 E-826701.213 L050337PUB00 08/22/13 1800 Performed post use FSS instrument source check and survey documentation. 08/22/13 1800 Performed post use FSS in					
FSS Field Log: Technician Date/Time: Observation or Comment: Technician 08/22/13 0630 Received our daily FSS briefing and safety briefing. SDJ/NJJ/JAH 08/22/13 0700 Performed daily instrument source check for all FSS instruments. all meters successfully passed the source check. Gathered necessary equipment and supplies. SDJ/NJJ/JAH 08/22/13 0830 Conducted Non-Soil surveys within LSA 05-03. This survey included All manmade items still present within the survey unit. Items surveyed Included, light post, fence posts, fire hydrants and water main valve caps. 08/22/13 0900 Continued GWS of LSA 05-03. Provided as needed job coverage for ECC In LSA 05-01. 08/22/13 0915 Conducted biased soil sampling of areas flagged during GWS of LSA 05-03. The following locations were sampled. D50333PUB00 N-864818.330 E-826694.62 L050333PUB00 L050333PUB00 N-864827.67 E-8266701.213 L050335PUB00 L050337PUB00 N-864788.96 E-826757.174 L050337PUB00 L050337PUB00 N-864788.96 E-826757.464 See survey 3384 C 130822 for more information. END SDJ/NJJ/JAH	Survey Area:	LSA-05	Description:	Barn and Cistern Open La	and Area
Date/Time: Observation or Comment: Technician 08/22/13 060 Received our daily FSS briefing and safety briefing. SDJ/NJJ/JAH 08/22/13 0700 Performed daily instrument source check for all FSS instruments. all meters successfully passed the source check. Gathered necessary equipment and supplies. SDJ/NJJ/JAH 08/22/13 0800 Conducted Non-Soil surveys within LSA 05-03. This survey included All manmade items still present within the survey unit. Items surveyed included, light post, fence posts, fire hydrams and water main valve caps. SO 08/22/13 0900 Continued GWS of LSA 05-03. Provided as needed job coverage for ECC In LSA 05-01. So 08/22/13 091 Conducted biased soil sampling of areas flagged during GWS of LSA 05-03. The following locations were sampled. So 1050333PUB00 N-864818.330 E-826694.62 So 1050333PUB00 N-864818.777 E-826705.124 1050333PUB00 N-864823.57 E-826705.124 1050333PUB00 N-864823.57 E-826757.1464 1050333PUB00 N-864788.96 E-826757.1464 1050337PUB00 N-864788.96 E-826757.1464 1050337PUB00 N-864788.96 E-826757.1464 1050337PUB00 N-864788.96 E-826757.1464 1050337PUB00 N	Survey Unit:	03	Description:	Tile Barn Area	
 08/22/13 0630 Received our daily FSS briefing and safety briefing. 08/22/13 0630 Received our daily FSS briefing and safety briefing. 08/22/13 0700 Performed daily instrument source check for all FSS instruments. all meters successfully passed the source check. Gathered necessary equipment and supplies. 08/22/13 0830 Conducted Non-Soil surveys within LSA 05-03. This survey included All manmade items still present within the survey unit. Items surveyed Included, light post, fence posts, fire hydrants and water main valve caps. 08/22/13 0900 Continued GWS of LSA 05-03. Provided as needed job coverage for ECC In LSA 05-01. 08/22/13 0915 Conducted biased soil sampling of areas flagged during GWS of LSA 05-03. The following locations were sampled. L050333PUB00 N-864823.57 E-826694.62 L050334PUB00 N-864827.67 E-826706.453 L050335PUB00 N-864787.770 E-826701.213 L050337PUB00 N-864788.96 E-826757.174 L050337PUB00 N-864788.96 E-826757.464 See survey 3384 C 130822 for more information. D8/22/13 1800 Performed post use FSS instrument source check and survey documentation. END SDJ/NJJ/JAH 	FSS Field Log	<u>:</u>			
 08/22/13 0700 Performed daily instrument source check for all FSS instruments. all meters successfully passed the source check. Gathered necessary equipment and supplies. 08/22/13 0830 Conducted Non-Soil surveys within LSA 05-03. This survey included All manmade items still present within the survey unit. Items surveyed Included, light post, fence posts, fire hydrants and water main valve caps. 08/22/13 0900 Continued GWS of LSA 05-03. Provided as needed job coverage for ECC In LSA 05-01. 08/22/13 0915 Conducted biased soil sampling of areas flagged during GWS of LSA 05-03. The following locations were sampled. L050333PUB00 N-864818.330 E-826694.62 L050333PUB00 N-864823.57 E-826706.453 L050335PUB00 N-864827.67 E-826701.213 L050337PUB00 N-864787.770 E-826757.174 L050337PUB00 N-864788.96 E-826757.464 See survey 3384 C 130822 for more information. D8/22/13 1800 Performed post use FSS instrument source check and survey documentation. END SDJ/NJJ/JAH 	Date/Time:	Observation or C	omment:		<u>Technician</u>
all meters successfully passed the source check. Gathered necessary equipment and supplies. 08/22/13 0830 Conducted Non-Soil surveys within LSA 05-03. This survey included All manmade items still present within the survey unit. Items surveyed Included, light post, fence posts, fire hydrants and water main valve caps. 08/22/13 0900 Continued GWS of LSA 05-03. Provided as needed job coverage for ECC In LSA 05-01. 08/22/13 0915 Conducted biased soil sampling of areas flagged during GWS of LSA 05-03. The following locations were sampled. L050333PUB00 N-864818.330 E-826694.62 L050333PUB00 N-864823.57 E-826706.453 L050335PUB00 N-864827.67 E-826701.213 L050335PUB00 N-864787.770 E-826757.174 L050337PUB00 N-864788.96 E-826757.464 See survey 3384 C 130822 for more information. D8/22/13 1800 Performed post use FSS instrument source check and survey documentation. END SDJ/NJJ/JAH	08/22/13 0630	Received our daily	FSS briefing and safe	ty briefing.	SDJ/NJJ/JAH
All manmade items still present within the survey unit. Items surveyed Included, light post, fence posts, fire hydrants and water main valve caps. 08/22/13 0900 Continued GWS of LSA 05-03. Provided as needed job coverage for ECC In LSA 05-01. 08/22/13 0915 Conducted biased soil sampling of areas flagged during GWS of LSA 05-03. The following locations were sampled. L050333PUB00 N-864818.330 E-826694.62 L050334PUB00 N-864823.57 E-826706.453 L050335PUB00 N-864827.67 E-826701.213 L050336PUB00 N-864787.770 E-826757.174 L050337PUB00 N-864788.96 E-826757.464 See survey 3384 C 130822 for more information. D8/22/13 1800 Performed post use FSS instrument source check and survey documentation. END SDJ/NJJ/JAH	08/22/13 0700	all meters successf	all meters successfully passed the source check. Gathered necessary		
In LSA 05-01. 08/22/13 0915 Conducted biased soil sampling of areas flagged during GWS of LSA 05-03. The following locations were sampled. L050333PUB00 N-864818.330 E-826694.62 L050334PUB00 N-864823.57 E-826706.453 L050335PUB00 N-864827.67 E-826701.213 L050336PUB00 N-864787.770 E-826757.174 L050337PUB00 N-864788.96 E-826757.464 See survey 3384 C 130822 for more information. D8/22/13 1800 Performed post use FSS instrument source check and survey documentation. END SDJ/NJJ/JAH	08/22/13 0830	All manmade items still present within the survey unit. Items surveyed			
The following locations were sampled. L050333PUB00 N-864818.330 E-826694.62 L050334PUB00 N-864823.57 E-826706.453 L050335PUB00 N-864827.67 E-826701.213 L050336PUB00 N-864787.770 E-826757.174 L050337PUB00 N-864788.96 E-826757.464 See survey 3384 C 130822 for more information. D8/22/13 1800 Performed post use FSS instrument source check and survey documentation. END SDJ/NJJ/JAH	08/22/13 0900				
L050334PUB00 N-864823.57 E-826706.453 L050335PUB00 N-864827.67 E-826701.213 L050336PUB00 N-864787.770 E-826757.174 L050337PUB00 N-864788.96 E-826757.464 See survey 3384 C 130822 for more information. D8/22/13 1800 Performed post use FSS instrument source check and survey documentation. END SDJ/NJJ/JAH	08/22/13 0915			lagged during GWS of LSA	05-03.
L050335PUB00 N-864827.67 E-826701.213 L050336PUB00 N-864787.770 E-826757.174 L050337PUB00 N-864788.96 E-826757.464 See survey 3384 C 130822 for more information. D8/22/13 1800 Performed post use FSS instrument source check and survey documentation. END SDJ/NJJ/JAH					
L050336PUB00 N-864787.770 E-826757.174 L050337PUB00 N-864788.96 E-826757.464 See survey 3384 C 130822 for more information. D8/22/13 1800 Performed post use FSS instrument source check and survey documentation. END SDJ/NJJ/JAH					
See survey 3384 C 130822 for more information. 08/22/13 1800 Performed post use FSS instrument source check and survey documentation. END SDJ/NJJ/JAH		L050336PUB00	N-864787.770	E-826757.174	
08/22/13 1800 Performed post use FSS instrument source check and survey documentation. END SDJ/NJJ/JAH		L050337PUB00	N-864788.96	E-826757.464	
END SDJ/NJJ/JAH		See survey 3384 C	130822 for more infor	mation.	
	08/22/13 1800	Performed post use	FSS instrument sourc	e check and survey documen	tation.
FSS Field Log of		END SDJ/NJJ/JAH	I		
				FSS	Field Log _ of _

Revi	sion: 2					Page P1 of 2
	HDP-PR-FSS-701, Final Status Survey Plan Development APPENDIX P-6 FSS FIELD LOG					
Survey Area:	LSA-05	Descriptio	o n:	Barn and Ciste	ern Open Land	Area
Survey Unit:	03	Descriptio	o n:	Tile Barn Area	a	
FSS Field Log						
Date/Time:	Observation or C	comment:				<u>Technician</u>
08/23/13 0630	Received our daily	FSS briefing and	d safet	ty briefing.		SDJ/NJJ/JAH
08/23/13 0700	Performed daily in all meters successf equipment and sup	fully passed the so				
08/23/13 0800	00 Continued hand excavation of the berm adjacent to highway P near the utility lines. Expanded an elevated area into a 2 foot x 2 foot exavation. Obtained three soil samples at the highest readings at the base of the excavation. All three samples were taken within 6 inches of the same location.					
	Sample IDEastingNorthingL050338PUB00826721.453864823.570L050339PUB00826706.453864823.570L050340PUB00826706.453864823.570					
	See survey 3329 C	130823				
	Bounding samples were then taken on all four sides of the excavation at a distance of one foot from the sides of the hole, to determine the extent of the activity. The sample depth was $0.0' - 2.0'$ with an additional sample of $2.0' - 2.5'$.					
	Sample ID L050328PUI01 L050328PUI02 L050328PUI03 L050328PUI04 L050328PUI05 L050328PUI06 L050328PUI06	Easting 826706.493 826709.653 826709.143 826703.743 826706.493 826709.653 826709.143		Northing 864819.410 864820.080 864823.410 864824.300 864819.410 864820.080 864823.410		
	* NOTE: Sample L050328PUI04 hit refusal at 1.5'. See survey 3326 C 130823 for more information. FSS Field Log \perp of \perp					Log_L of 2
Quality Record	We	stinghouse Non-F	Proprie	etary Class 3		

HDP-PR-FSS-701, Final Status Survey Plan Development APPENDIX P-6 FSS FIELD LOG

FSS Field Log of **Date/Time: Observation or Comment:** Technician 08/23/13 1530 Obtained biased samples from other elevated areas within LSA 05-03 SDJ/NJJ/JAH at the following locations. Sample ID Easting Northing L050341PUB00 826753.414 864786.240 L050342PUB00 826690.443 864815.140 See survey 3325 C 130823 for more information. 08/23/13 1600 Processed the soil samples and delivered to on-site lab for analysis. 08/23/13 1750 Completed sample equipment decontamination and cleaned sample prep area. 08/23/13 1800 Performed post source check of all FSS meters. All meters passed post source check successfully. END SDJ/NJJ/JAH FSS Field Log 2 of 2

Quality Record

D				0
Rev	710	110	m'	,
NCV	/ 13	510	лі.	4

Page P-1 of 2

HDP-PR-FSS-701, Final Status Survey Plan Development APPENDIX P-6 FSS FIELD LOG

Survey Area:	LSA-05	Description:	Soil sampling LSA-05-03
Survey Unit:	O3	Description:	Soil sampling LSA-05-03 elevated area investigation verification

FSS Field Log:

Date/Time:	Observation or Comment:	<u>Technician</u>
8/29/13 14:20	Area roped off with radiation signs only, weather hot ~ 96 degrees	TY
	Fahrenheit, soil dry. Sampling was performed over two days. Started	
	on 8/29/13 and completed 9/3/13. Gamma survey of samples, sample	
	surface, and down hole logging of sample locations was performed.	
	Field background on 8/29/13 10231 cpm, field BKG on 9/3/13 10561	
	Background with collimator 7122 cpm. All results are on contact.	
	Reference survey # 3303 C 130829	
Time/Depth	Sample ID Coordinates	Sample cpm
14:20/0-6"	6398-RA-130829-07-01 864782.82N 826693.46E	4272
14:25/6-18"	6398-RA-130829-07-02	3964
14:30/0-6"	6398-RA-130829-07-03 864787.39N 826688.90E	3613
14:35/6-18"	6398-RA-130829-07-04	4390
14:40/0-6"	6398-RA-130829-07-05 864791.27N 826680.09E	4163
14:45/6-18"	6398-RA-130829-07-06	4013
15:00/0-6"	6398-RA-130829-07-07 864796.91N 826674.30E	3915
15:05/6-18"	6398-RA-130829-07-08	3950
15:50/0-6"	6398-RA-130829-07-09 864795.84N 826702.47E	4316
15:55/6-18"	6398-RA-130829-07-10	4260
16:00/0-6"	6398-RA-130829-07-11 864800.89N 826698.95E	4516
16:05/6-18"	6398-RA-130829-07-12	4316
10:25/0-6"	Sampled on 9/3/13 6398-RA-130829-07-13 through 32 6398-RA-130829-07-13 864803.71N 826694.30E	4190
10:30/6-18"	6398-RA-130829-07-14	4316
10:35/0-6"	6398-RA-130829-07-15 864805.30N 826681.49E	4042
10:40/6-18"	6398-RA-130829-07-16	3788

FSS Field Log 1 of Z

Thoras Yorly/ The 2 4-4-13

Quality Record

HDP-PR-FSS-701, Final Status Survey Plan Development APPENDIX P-6 FSS FIELD LOG

Time/Depth	Sample ID Coordinates	Sample cpm
10:45/0-6"	6398-RA-130829-07-17 864806.22N 826713.22E	3790
10:50/6-18"	6398-RA-130829-07-18	4961
10:55/0-6"	6398-RA-130829-07-19 864811.74N 826708.27E	4276
11:00/6-18"	6398-RA-130829-07-20	4074
11:05/0-6"	6398-RA-130829-07-21 864814.80N 826703.42E	4343
11:10/6-18"	6398-RA-130829-07-22	4120
11:15/0-6"	6398-RA-130829-07-23 864836.44N 826709.48E	4191
11:20/6-12"	6398-RA-130829-07-24	4436
13:20/0-6"	6398-RA-130829-07-25 864820.28N 826704.21E	4684
13:25/6-12"	6398-RA-130829-07-26	3864
13:30/0-6"	6398-RA-130829-07-27 864812.33N 826690.80E	4608
13:35/6-12"	_6398-RA-130829-07-28	4386
13:40/0-6"	6398-RA-130829-07-29 864822.74N 826701.64E	4164
13:45/0-12"	6398-RA-130829-07-30	4128
13:50/0-6"	6398-RA-130829-07-31 864833.02N 826703.93E	3868
13:55/6-12"	_6398-RA-130829-07-32	4408
Date/Time		
9/3/1316:20	Down hole logging was performed in sample locations with	
	collimator used. Field BKG was 7122 cpm. See map for sample location	
······································	Sample location	
	#1 10469gcpm #13 10721gcpm	
	#2 11106gcpm #14 10290gcpm	
	#3 10741gcpm #15 10877gcpm	
	#4 8546gcpm #16 9643gcpm	
	#5 10895gcpm	
	#6 10501gcpm	
	#7 10827gcpm	
	#8 10021gcpm	
	#9 10016gcpm	
	#10 10901gcpm	
	#11 10828gcpm	
	#12 9910gcpm	
	Westinghouse Non-Proprietary Class 3 Thromas Yor 1/2 5-4-13) 2 of 2
Quality Record	Westinghouse Non-Proprietary Class 3 Thomas York	In 2
	9-4-13	

Revision: 2			Page P-1	of 1
	HDP-PR-FSS-7()1, Final Status Surv APPENDIX P-(FSS FIELD LO		
Survey Area:	LSA-05	Description:	Investigation of elevated area	as
Survey Unit:	03	Description:	LSA-05-03	
FSS Field Log	<u>:</u>	. –		
Date/Time:	Observation or Com	iment:		Techniciar
8/29/13 10:30			weather hot \sim 94 degrees	TY
\$			ed during the GPS walkover	$-\frac{11}{\varsigma}$
			and with collimator 5400 cpm	-
11 A			of investigation of elevated	N
	areas. Reference surv			
	areas. Reference surv	cy # 5208 C 15082	7	
$\overline{}$			5	
\rightarrow				
	<u></u>			
	\rightarrow			
		M	4	
		r.		
				- \
			FSS Field Lo	og / of /
•				
the second se				
Quality Record	Westing	house Non-Proprietar	y Class 3 Thomas Yorky	la-mar

Page P-1 of 2

HDP-PR-FSS-701, Final Status Survey Plan Development APPENDIX P-6 FSS FIELD LOG

Survey Area: LSA-05	Description:	LSA-05-03 N. Center Wall
Survey Unit:03	Description:	Investigation of elevated area next HWY P
FSS Field Log:		

Date/Time: 9/3/13 14:20

Observation or Comment:

Technician

TY Area roped off with radiation signs only. Weather hot ~ 90 degrees Fahrenheit soil dry. Gamma walkover was performed without GPS due to terrain. Area survey was next to Hwy P approximately 45' long and a height of 4' to 5'. A collimator was used to perform survey Bkg with collimator 6338 cpm survey performed on contact with soil. A fuel pellet was found during survey HP Supervision was notified and location marked with flag. During location of pellet found heighten audible response stopped and touched wall, soil and pellet was knocked off wall found pellet in soil that had fallen off wall on contact reading was 40000 gcpm in soil. Removed pellet from soil on contact reading 82000 gcpm. Perform gamma survey of area around location of pellet found no excessive readings. Reference survey # 3304 C 130903.

FSS Field Log $\underline{/}$ of $\underline{/}$

Quality Record

Westinghouse Non-Proprietary Class 3 Thomas You 4/ The 2 9-5-13

HDP_PR_F	S-701. Final Status Surv	ev Plan Development	
1101 -1 (4-1)	APPENDIX P-6		
ea: LSA-05	Description:	Barns and Cistern Open Land Area	
it: _03	Description:	Wood Barn Area	
Log:			
: Observation or	Comment:	T	<u>echnician</u>
an Elevated me	is usement localized	along north sidewall for	ad. Eng
4 Three wheelbo	wels removed Re	-Surey to see it	
measurement	dropped to 2.18,	out gepm (uncollimated)	
Use collima	ter on post-		
1. Used hand	shovels to rem	ove Soil, Samples collected	
hift Note			
Samples	collected and a	inalyzed from	
north side	wall. see Sur	Ny Log No. 314/ C 130820_	
for measure	ments that drove	collection of more biased	
samples in	this north wall	location.	
Binsed San	ples collected	around the North	
es wall had on	site lab result?		
Sample Loso3	27PUBOO = 0.79	SOF	
	$\frac{3090B}{100} = 0.90$	ŧ;	
	1 PUBEE -1.01		
Hand excuvat	ions will contrine	in This area due to	
presence of 1	Molerground ntilit	ies [water main + telephone	
<u>fibe-optic line</u>	15	transfer of a difficul	
Hand excava	tions regulated in	alscovery of accidional_	
Elevard Me	asure ments arong	INVITY STREWALL AND	
_ area orrectly	your (inbet	thank area where two	
sameling con	Finger	TU UNC EXCAVATION and prute	V
		A I Fil	
		Kac. Eng,	
	HDP-PR-FS ea: LSA-05 it: 03 Log: :: Observation or 2am Elevated ment 4 Three wheelber 5 measurement 1/se collimat 1/se collimat 1/s	HDP-PR-FSS-701, Final Status Surv APPENDIX P-6 FSS FIELD LOC ea: LSA-05 Description: it: 03 Description: Log: <u>Log:</u> <u>Ban Elevated measurement localized</u> <u>Three wheelbarrels permoved he</u> <u>measurement dropped to 216,</u> <u>Use collimator on past</u> <u>Use collimator on past</u> <u>Msed hand shovels to rem</u> <u>bift Note</u> <u>Samples collected and a</u> <u>north sidewall</u> . See Surv <u>for measurements that drove</u> <u>Samples in this north wall</u> <u>Biased samples collected</u> <u>Biased samples collected</u> <u>Loso327 PUB00 = 0.79</u> <u>Loso327 PUB00 = 1.15</u> <u>Loso330 PUB 20 = 1.01</u> <u>Hand excavations will contine</u> <u>presence of underground ntilit</u> <u>fibe-optic line</u> . <u>Hand excavations resulfed in</u> <u>elevated measurements alony</u>	HDP-PR-FSS-701, Final Status Survey Plan Development APPENDIX P-6 FSS FIELD LOG ea: LSA-05 Description: Barns and Cistern Open Land Area it: 03 Description: Wood Barn Area Log: :: Observation or Comment: :: Observation of more based : Samples : collected and analyzed from : North sidewall : See Survey Log No. 3141/C 130820 : for measurements that Love collection of more based : Samples : in this north wall location. : Binsed samples collected around the North : Binsed samples collected around the North : Sample b050327PUB00 = 0.77 SOF : Lo50329PUB00 = 1.15 '' : Lo50329PUB00 = 1.15 '' : Lo50329PUB00 = 1.01 '' : Lo5031PUB00 = 1.01 '' : Hand excavations will contype in this area due to : Presence of undergraund ntilities (water main + telephyse

FSS Field Log 1 of 5

Revision: 2			P-1 of	1
	HDP-PR-FSS-701,	Final Status Surve APPENDIX P-6 FSS FIELD LOG	y Plan Development	
Survey Area:	LSA-05	Description:	Barns and Cistern Open Land A	rea
Survey Unit:	03	Description:	Wood Barn Area	
FSS Field Log	<u>:</u>			
<u>Date/Time:</u> <u>8-22-2013</u> <u>Shift Notes</u> <u>Thurs.</u> <u>K</u> , N _c	area. Also hav South of north Localized hand with LOSO334F Dug round hole due to consister Monitoring levels p Bigsed samples c and LOSO337FUB Also confinued along north we extent of the Wall @ footprint	e Jata From the north e a SOF wall olen excavations NBOD where approx, 2-f it monitoring latenced @~ ollected, Logo DD. localized all. Invest areas allong te between	wall / utility run = 1.0 directly tes area. on area cssociated SoF= 1.0. it wide x 2.5ft deep of ~ 12K - 14K gcpm(collim 9K-10Kgcpm(collimated). 3 35 PUB-00, LOSO3 36 PUB hand excavations igating nature and north excavation the two Barns.	
08-23-2013 Shift Notes Friday	Bigsed sample r Samples 35,36, a However, giens a to show "spots"	results from and 37 (lister around the no " of elevater	on-site lab showed above) all <0.50 SOF. with wall continue activity.	
Continued on page	No elevated mension localized mension	w/ concrete for	th wall revealed g ter. Wood post remarel post or concrete, but 5k-20k pesist in	

FSS Field Log 2 of 5

Revision: 2	0		ge P-1 of 1	
	HDP-PR-FSS-701,	Final Status Survey APPENDIX P-6 FSS FIELD LOG	y Plan Development	
Survey Area:	LSA-05	Description:	Barns and Cistern Open Land Area	
Survey Unit:	03	Description:	Wood Barn Area	
FSS Field Log	<u>:</u>			
<u>Date/Time:</u> 08-23-13 <u>Shist Notes</u> <u>Fridry</u> <u>R.N.</u> (continued)	For collection to be collected the hole appre- of the hand e also instructed with each of taking mensuren of the core-hole in the sidewall Additional sample south of the Again, bounding at this elevate by HP tech. Lotte in the after Rock Nevean W Sampling and sample data and did show a SOF the "pothole" use for this indicates we ma	th of the hot spot han of Y bound the N-S-E-w invitately 2 the cavation. to monitor the Y bound the Y	"round hole" south d excavation, called nding soil cove samples (or @ 4-points surrounday) -ft from the edge HPTech was the hole associted ding soil locations, d) along the length there is any change collected @ location e to light pole). Inde monitoring performed l excavation was monitored c. 5:00 pm) Rad. Eng. it and reviewed l excavation was monitored c. 5:00 pm) Rad. Eng. it and veriewed l excavation was monitored c. 5:00 pm) Rad. Eng. it and veriewed l excavation was monitored c. 5:00 pm Rad. Eng. it and veriewed l excavation was monitored l excavation was monitored l excavation was monitored l observations of and history of perform additional radio-caked RSO Guido	
			FSA FSS Field Log $\underline{3}$ of	

	Revision: 2			rage P-1 of	1
		HDP-PR-FSS-701	l, Final Status Surve APPENDIX P-6 FSS FIELD LOG	y Plan Development	
	Survey Area:	LSA-05	Description:	Barns and Cistern Open Land A	rea
	Survey Unit:	03	Description:	Wood Barn Area	
	FSS Field Log	<u>:</u>			
	Date/Time:	Observation or Com	ment:		Technician
	8-23-13	Sitewalk with (250 resulted	in the decision	Rad-Eng.
	Shift Notes	to suspend t		F	
	Rock Nevenn			las formerly between	
	K.W.			on slope and areas	
1	Friday	directly south) shows biased sample results SWITH			
C	Continuation)	a SOF>1 at depths 0"-6" and 6"-12". Hand excavations did indeed remediate localized areas			
				ion of the remaining	
		areas in LSA05-0		a concern that there	
				that require exposure	
				ampling.	
		At approx, 17:	45 on 08-2	3-2013 Joe Guido (RSD)	
		provided me with .		e documentation and	
				on failure of FSS.	
		After edits and	discussion, RS	o sent email cutified	
		KE: 08-21 and 22	-13 HDP Daily	Progress Report" at	
		19:03 (see attack		isolated Eron the	
		Castern portion e	of LSADS-03	and hilitional	
				and sampling will be	
		performed.	<u> </u>		
		Isolation control	s will be disc	cussed with HP Techs	
		and input from	n techs/labor	will be used to	
	END 8-23-13	determine most	efficient w	say to proceed.	
	entry				

FSS Field Log $\frac{4}{2}$ of $\underline{5}$

Revision: 2			r age P-1 of	`1	
	HDP-PR-FSS-701	, Final Status Surve APPENDIX P-6 FSS FIELD LOG	ey Plan Development		
Survey Area:	LSA-05	Description:	Barns and Cistern Open Land A	rea	
Survey Unit:	03	Description:	Wood Barn Area		
FSS Field Log	<u>:</u>				
Date/Time:	Observation or Comm	nent:		Technician	
08-26-13	Discussed ap	proach for	using small equipment		
08:00	Such as a "ski	1-steer " w/bo	ack hoe attachment		
Rock Nevenn	and a hopper -	o perform	localized excavations		
Man David	and remaral of		rig C. said the		
Monday		ept deliveric			
		son of West			
The office office	to support the excavations with equip. and				
END 08:00 entry	personnel.				
<u>Shift Note</u> ;		t. The aven nd remediate ampling act.	à based on visual, ivities.		
			FSS Field Log	5 of 5	

From: Guido, Joseph S
Sent: Friday, August 23, 2013 7:03 PM
To: Smetanka, Joseph W
Cc: Richardson, Dennis C; Davis, Kevin T. (SAIC); Neveau, Rock P; Bresnahan, Michelle E
Subject: RE: 08-21 and 22-13 HDP Daily Progress Report

Joe,

Sorry for the delay in my response but I wanted to see how far we would get today. After the analysis of biased samples selected during the gamma walkover surveys, we have localized areas in LSA-05-03 which still exhibit elevated activity at depth (2 to 3 feet down). This is problematic, as it is indicative of contamination which has been covered by clean material. We will isolate this area from the rest of 05-03 and continue to work in parallel to the ORAU confirmation survey of the balance of the survey unit.

Joseph Guido, CHP Project Radiation Safety Officer Westinghouse Electric Company - Hematite Decommissioning Project Office: (314) 810-3361 Email: <u>guidojs@westinghouse.com</u> Home Page: <u>www.westinghousenuclear.com</u>

From: Smetanka, Joseph W Sent: Friday, August 23, 2013 10:25 AM To: Davis, Kevin T. (SAIC); Guido, Joseph S Subject: FW: 08-21 and 22-13 HDP Daily Progress Report

Since we had further elevated readings in the barns area, are we still confident ORAU should be performing their surveys in LSA 05-03?

From: Cambron, Deborah S

Sent: Thursday, August 22, 2013 3:41 PM

To: Smetanka, Joseph W

Cc: Mike LaFranzo; Abercrombie, Robert N.; Alvarado, Juan J; Anderson, Keith D.; Miklos, Angelo D; Arnold, Timothy J. (Hudson Global); Bauman, Nicole L; Bieser, Bonnie S.; Cambron, Deborah S; Carl Jenks; Cummin, Chris C.; Davis, J. Todd; Davis, Kevin T. (SAIC); DeWitt, Michele M.; Anderson, Diana M; Dorothy Franklin; Doster, Branden; Gearhart, James C.; Gilstrap, Eric; Guido, Joseph S; Hyslop, Chad; J T Springer; Jones, Mark; Marx, Kate; Kelmeckis, Val J; Langlois, Timothy; Lee, Peter; Lewis, Mark B.; Matthews, Brian; McCants, Natasha R; McLafferty, James L.; Gutman, Michele M.; Miller, Kevin C.; Miller, S Eric; Richardson, Dennis C; Ridenhower, Donald D.; Robert Orlikowski; Rood, Gerald J.; Seger, Susan; Sharma, Dinesh K; Stoller, Sharon L; Szlis, Kathy; Tapp, Jeremy; Tiffany Drake; Welch, Sally P; Westlund, Darwin A **Subject:** 08-21 and 22-13 HDP Daily Progress Report

Joe,

Attached is the 8-21 and 8-22-13 HDP Daily Progress Report. Please refer any questions or comments to Dennis Richardson, HDP Deputy Director.

Regards, **Deb Cambron**

Administrative Assistant Environmental, Health and Safety, and Engineering Westinghouse Electric Company, 3300 State Road P Festus, Missouri 63028, USA Phone: +1 (314) 810-3374 Email: <u>cambrods@westinghouse.com</u>

FSS Field Log:Date/Time:Observation or Comment:Technician09/10/13 0630Received our daily FSS briefing and safety briefing.SJ/JH/NJ/AS09/10/13 0730A. Schooley continued support at the barns area as ECC continued load out of spoils pile generated during LSA 05-01 excavation and backfill.09/10/13 0800N. Jordan & J. Hoffman conducted a walkover of a portion of LSA 10-07 that exhibited slightly elevated readings during last week's walkover. See Survey 3391 C 130910 for more information09/10/13 1000S. Jenkins monitored excavation within the western portion of LSA 05-03. An area that exhibited widespread, how level elevated readings was scraped an additional 16-18" and a manual walkover was performed. Two areas of slight elevation on these areas is below.Elevated Area Elevated Area 2 826700.823864783.72 864783.72 E 2 864780.82309/10/13 1040Biased soil sampling was performed at 13 locations within LSA 05-03, to to verify that the extents of contamination have been removed with ECC labor support. The samples included soil samples at the two elevated area locations noted above. Soil sample ID and location information is below.Sample ID 6470-RA-130090-07.011106 1006 826685.213 864792.39 8644800.72 6470-RA-130090-07.056470-RA-130090-07.061312 132670.833 864480.72 864480.72 864785.29 864799.92 6470-RA-130090-07.076470-RA-130090-07.071108 1286678.653 864799.92 6470-RA-130090-07.076470-RA-130090-07.081320 826670.833 864800.72 6470-RA-130090-07.076470-RA-130090-07.011340 826670.833 864800.72 6470-RA-130090-07.07		sion: 2			Page P1 of 2
Survey Unit: 03 Description: Tile Barn Area FSS Field Log: Date/Time: Observation or Comment: Received our daily FSS briefing and safety briefing. Technician SJ/JH/NJ/AS 09/10/13 0730 A. Schooley continued support at the barns area as ECC continued load out of spoils pile generated during LSA 05-01 excavation and backfill. 09/10/13 0730 09/10/13 0800 N. Jordan & J. Hoffman conducted a walkover of a portion of LSA 10-07 that exhibited slightly clevated readings during last week's walkover. See Survey 3391 C 130910 for more information 09/10/13 1000 S. Jenkins monitored excavation within the western portion of LSA 05-03. An area that exhibited widespread, low level elevated readings was scraped an additional 16-18" and a manual walkover was performed. Two areas of slight elevation on these areas is below. Elevated Area Easting Northing EA 1 826683.663 864783.72 EA 2 828700.823 864818.15 See survey 3399 C 130910 for more information. 09/10/13 1040 Biased soil sampling was performed at 13 locations within LSA 05-03, to to verify that the extents of contamination have been removed with ECC labor support. The samples included soil sample at the two elevated area locations noted above. Soil sample D and location information is below. Sample ID film Easting Northing 6470 RA 130090-07-04		HDP-PR-FSS-	APPEN	DIX P-6	opment
FSS Field Log: Date/Time: Observation or Comment: Technician 09/10/13 0630 Received our daily FSS briefing and safety briefing. SJ/JH/NJ/AS 09/10/13 0730 A. Schooley continued support at the barns area as ECC continued load out of spoils pile generated during LSA 05-01 excavation and backfill. 09/10/13 0800 N. Jordan & J. Hoffman conducted a walkover of a portion of LSA 10-07 that exhibited slightly elevated readings during last week's walkover. See Survey 3391 C 130910 for more information 09/10/13 1000 S. Jenkins monitored excavation within the western portion of LSA 05-03. An area that exhibited widespread, low level elevated readings was scraped an additional 16-18" and a manual walkover was performed. Two areas of slight elevation on these areas is below. Elevated Area Easting Northing EA 1 826683.663 864783.72 EA 2 826700.823 864818.15 See survey 3399 C 130010 for more information. 09/10/13 1040 Biased soil sampling was performed at 13 locations within LSA 05-03, to to verify that the extents of contamination have been removed with ECC labor support. The samples included soil sample at the two elevated area locations noted above. Soil sample ID and location information is below. Sample ID Time Easting Morthing 6470-RA-130090-07.01 1108 826670.333 864792.98 6470-RA-130090-	Survey Area:	LSA-05	Description:	Barn and Cistern	Open Land Area
Date/Time: 09/10/13 0630Observation or Comment: Received our daily FSS briefing and safety briefing.Technician SJ/JH/NJ/AS09/10/13 0730A. Schooley continued support at the barns area as ECC continued load out of spoils pile generated during LSA 05-01 excavation and backfill.09/10/13 073009/10/13 0800N. Jordan & J. Hoffman conducted a walkover of a portion of LSA 10-07 that exhibited slightly elevated readings during last week's walkover. See Survey 3391 C 130910 for more information09/10/13 1000S. Jenkins monitored excavation within the western portion of LSA 05-03. An area that exhibited widespread, low level elevated readings was scraped an additional 16-18" and a manual walkover was performed. Two areas of slight elevation were found and flagged for future biased soil sampling. Information on these areas is below.Elevated AreaEasting Northing EA 1EA 2826633.663864783.72 EA 2826633.663864783.72 EA 2826633.663864783.73Sacpes at the two elevated area locations noted above. Soil sample is and leved soil samples at the two elevated area locations noted above. Soil sample ID and location information is below.09/10/13 1040Biased soil sampling vas performed at 13 locations is below.Sample IDTime Easting6470-RA-130909-07-021100826683.518864793.726470-RA-130909-07-071100826683.518864793.766470-RA-130909-07-071100826683.518864783.726470-RA-130909-07-071100826683.518864783.726470-RA-130909-07-071100 <th>Survey Unit:</th> <th>03</th> <th>Description:</th> <th>Tile Barn Area</th> <th></th>	Survey Unit:	03	Description:	Tile Barn Area	
Date/Time: 09/10/13 0630Observation or Comment: Received our daily FSS briefing and safety briefing.Technician SJ/JH/NJ/AS09/10/13 0730A. Schooley continued support at the barns area as ECC continued load out of spoils pile generated during LSA 05-01 excavation and backfill.09/10/13 073009/10/13 0800N. Jordan & J. Hoffman conducted a walkover of a portion of LSA 10-07 that exhibited slightly elevated readings during last week's walkover. See Survey 3391 C 130910 for more information09/10/13 1000S. Jenkins monitored excavation within the western portion of LSA 05-03. An area that exhibited widespread, low level elevated readings was scraped an additional 16-18" and a manual walkover was performed. Two areas of slight elevation were found and flagged for future biased soil sampling. Information on these areas is below.Elevated AreaEasting Northing EA 1EA 2826633.663864783.72 EA 2826633.663864783.72 EA 2826633.663864783.73Sacpes at the two elevated area locations noted above. Soil sample is and leved soil samples at the two elevated area locations noted above. Soil sample ID and location information is below.09/10/13 1040Biased soil sampling vas performed at 13 locations is below.Sample IDTime Easting6470-RA-130909-07-021100826683.518864793.726470-RA-130909-07-071100826683.518864793.766470-RA-130909-07-071100826683.518864783.726470-RA-130909-07-071100826683.518864783.726470-RA-130909-07-071100 <td>FSS Field Log</td> <td></td> <td></td> <td></td> <td></td>	FSS Field Log				
of spoils pile generated during LSA 05-01 excavation and backfill. 09/10/13 0800 N. Jordan & J. Hoffman conducted a walkover of a portion of LSA 10-07 that exhibited slightly elevated readings during last week's walkover. See Survey 3391 C 130910 for more information 09/10/13 1000 S. Jenkins monitored excavation within the western portion of LSA 05-03. An area that exhibited widespread, low level elevated readings was scraped an additional 16-18" and a manual walkover was performed. Two areas of slight elevation were found and flagged for future biased soil sampling. Information on these areas is below. Elevated Area Easting Northing EA 1 826683.663 864783.72 EA 2 826700.823 864818.15 See survey 3399 C 130910 for more information. 09/10/13 1040 Biased soil sampling was performed at 13 locations within LSA 05-03, to to verify that the extents of contamination have been removed with ECC labor support. The samples included soil samples at the two elevated area locations noted above. Soil sample ID and location information is below. Sample ID Time Easting Northing 6470-RA-130909-07-01 1105 826695.373 864796.57 6470-RA-130909-07-04 1110 826695.373 864796.57 6470-RA-130909-07-06 1312 82670.373 864796.57 6470-RA-130909-07-06 1312 82670.373 864796.57 6470-RA-130909-07-06 1312 82670.333 864800.33 6470-RA-130909-07-07 1040 82667.833 864800.33 6470-RA-130909-07-07 1040 82667.833 864800.33 6470-RA-130909-07-07 1040 82667.833 864800.33 6470-RA-130909-07-07 1040 82667.833 864795.57 6470-RA-130909-07-07 1040 82667.833 864795.57 6470-RA-130909-07-06 1312 826710.533 864802.3 6470-RA-130909-07-07 1040 82667.833 864802.3 6470-RA-130909-07-07 1040 82667.833 864802.3 6470-RA-130909-07-07 1040 82667.833 864802.3 6470-RA-130909-07-07 1040 82667.833 864832.46 6470-RA-130909-07-10 1340 82670.2683 864832.46 6470-RA-130909-07-11 1345 82670.2683 864832.46 6470-RA-130909-07-11 1345 82670.2683 864832.46 6470-RA-130909-07-11 1345 82670.2683 864832.46 6470-RA-130909-07-11 1345 82670.2683 864832.46 6470-RA	Date/Time: 09/10/13 0630	Observation or Comm	Applicat and applicate the other	fety briefing.	
that exhibited slightly elevated readings during last week's walkover. See Survey 3391 C 130910 for more information 09/10/13 1000 S. Jenkins monitored excavation within the western portion of LSA 05-03. An area that exhibited widespread, low level elevated readings was scraped an additional 16-18" and a manual walkover was performed. Two areas of slight elevation were found and flagged for future biased soil sampling. Information on these areas is below. $\underbrace{Elevated Area}_{Easting} Northing_{EA 1} & 826683.663 & 864783.72 \\ EA 2 & 826700.823 & 864818.15 \\ See survey 3399 C 130910 for more information. \\09/10/13 1040 & Biased soil sampling was performed at 13 locations within LSA 05-03, toto verify that the extents of contamination have been removed with ECClabor support. The samples included soil samples at the two elevated arealocations noted above. Soil sample ID and location information is below.\underbrace{Sample ID}_{6470-RA-130909-07-01} 1050 & 826695.353 & 864795.59 \\6470-RA-130909-07-04 11115 & 826693.373 & 864796.57 \\6470-RA-130909-07-04 1110 & 826678.373 & 864796.57 \\6470-RA-130909-07-05 1308 & 826703.353 & 864792.98 \\6470-RA-130909-07-06 1312 & 826710.593 & 864800.72 \\6470-RA-130909-07-08 1320 & 826678.483 & 864800.2 \\6470-RA-130909-07-09 1311 & 826703.238 & 864800.2 \\6470-RA-130909-07-10 1 340 & 826703.238 & 864803.46 \\6470-RA-130909-07-10 1 340 & 826703.238 & 864832.46 \\6470-RA-130909-07-10 1 340 & 826703.938 & 864832.46 \\6470-RA-130909-07-10 1 340 & 826703.938 & 864832.46 \\6470-RA-130909-07-10 1 340 & 826703.938 & 864832.46 \\6470-RA-130909-07-10 1 345 & 826703.938 & 864832.46 \\6470-RA-130909-07-10 1 345 & 826703.938 & 864832.46 \\6470-RA-130909-07-11 1 345 & 826703.938 & 864832.46 \\6470-RA$	09/10/13 0730				
An area that exhibited widespread, low level elevated readings was scraped an additional 16-18" and a manual walkover was performed. Two areas of slight elevation were found and flagged for future biased soil sampling. Information on these areas is below. Elevated Area Easting Northing EA 1 826683.663 864783.72 EA 2 826700.823 864818.15 See survey 3399 C 130910 for more information. 09/10/13 1040 Biased soil sampling was performed at 13 locations within LSA 05-03, to to verify that the extents of contamination have been removed with ECC labor support. The samples included soil samples at the two elevated area locations noted above. Soil sample ID and location information is below. Sample ID Time Easting Northing 6470-RA-130909-07-01 1050 826695.213 864791.45 6470-RA-130909-07-02 1110 826678.373 864796.57 6470-RA-130909-07-04 1115 826693.723 864800.72 6470-RA-130909-07-05 1308 826703.353 864792.98 6470-RA-130909-07-06 1312 826710.593 864800.93 6470-RA-130909-07-06 1312 826670.833 864823.46 6470-RA-130909-07-09 1331 826700.823 864818.15 6470-RA-130909-07-09 1321 82670.823 864823.46 6470-RA-130909-07-10 1340 826673.833 864823.46 6470-RA-130909-07-10 1345 826703.933 864823.46 6470-RA-130909-07-10 1345 826703.938 864823.46 6470-RA-130909-07-11 1345 826703.938 864823.46 6470-RA-130909-07-13 1355 82683.663 864783.72	09/10/13 0800	that exhibited slightly e	levated readings	during last week's wa	
Elevated Area Easting Northing EA 1 826683.663 864783.72 EA 2 826700.823 864818.15 See survey 3399 C 130910 for more information. 09/10/13 1040 Biased soil sampling was performed at 13 locations within LSA 05-03, to to to verify that the extents of contamination have been removed with ECC labor support. The samples included soil samples at the two elevated area locations noted above. Soil sample ID and location information is below. Sample ID Time Easting Northing 6470-RA-130909-07-01 1050 826695.353 864785.29 6470-RA-130909-07-02 1100 826693.723 864800.72 6470-RA-130909-07-04 1115 826693.723 864800.72 6470-RA-130909-07-05 1308 826703.353 864792.98 6470-RA-130909-07-06 1312 826710.593 864800.93 6470-RA-130909-07-07 1040 826676.853 864799.92 6470-RA-130909-07-08 1320 826684.893 864800.2 6470-RA-130909-07-10 1340 826700.823 864818.15 6470-RA-130909-07-10 1340 826703.893 864823.46	09/10/13 1000	An area that exhibited w an additional 16-18" an slight elevation were fo	videspread, low d a manual walk und and flagged	level elevated readings over was performed.	was scraped Two areas of
to verify that the extents of contamination have been removed with ECC labor support. The samples included soil samples at the two elevated area locations noted above. Soil sample ID and location information is below. <u>Sample ID</u> <u>Time</u> <u>Easting</u> <u>Northing</u> 6470-RA-130909-07-01 1050 826695.353 864785.29 6470-RA-130909-07-02 1100 826685.213 864791.45 6470-RA-130909-07-03 1110 826678.373 864796.57 6470-RA-130909-07-04 1115 826693.723 864800.72 6470-RA-130909-07-05 1308 826703.353 864792.98 6470-RA-130909-07-06 1312 826710.593 864800.93 6470-RA-130909-07-08 1320 826676.853 864799.92 6470-RA-130909-07-08 1320 826684.893 864800.2 6470-RA-130909-07-09 1331 826700.823 864818.15 6470-RA-130909-07-10 1340 826702.683 864823.46 6470-RA-130909-07-11 1345 826703.993 864825.47 6470-RA-130909-07-12 1350 826702.093 864832.46 6470-RA-130909-07-13 1355 826683.663 864783.72		Elevated AreaEastingEA 1826683EA 2826700	Northing 3.663 864783.7 0.823 864818.1	.5	
Sample IDTimeEastingNorthing6470-RA-130909-07-011050826695.353864785.296470-RA-130909-07-021100826685.213864791.456470-RA-130909-07-031110826678.373864796.576470-RA-130909-07-041115826693.723864800.726470-RA-130909-07-051308826703.353864792.986470-RA-130909-07-061312826710.593864800.936470-RA-130909-07-071040826676.853864799.926470-RA-130909-07-081320826884.893864800.26470-RA-130909-07-091331826700.823864818.156470-RA-130909-07-101340826702.683864823.466470-RA-130909-07-111345826702.093864832.466470-RA-130909-07-121350826702.093864832.466470-RA-130909-07-131355826683.663864783.72	00/10/12 1040		*		-
6470-RA-130909-07-021100826685.213864791.456470-RA-130909-07-031110826678.373864796.576470-RA-130909-07-041115826693.723864800.726470-RA-130909-07-051308826703.353864792.986470-RA-130909-07-061312826710.593864800.936470-RA-130909-07-071040826676.853864799.926470-RA-130909-07-081320826684.893864800.26470-RA-130909-07-091331826700.823864818.156470-RA-130909-07-101340826702.683864823.466470-RA-130909-07-121350826702.093864832.466470-RA-130909-07-131355826683.663864783.72	09/10/13 1040	labor support. The sam	ples included so	il samples at the two e	evated area
6470-RA-130909-07-031110826678.373864796.576470-RA-130909-07-041115826693.723864800.726470-RA-130909-07-051308826703.353864792.986470-RA-130909-07-061312826710.593864800.936470-RA-130909-07-071040826676.853864799.926470-RA-130909-07-081320826684.893864800.26470-RA-130909-07-091331826700.823864818.156470-RA-130909-07-101340826702.683864823.466470-RA-130909-07-111345826703.993864832.466470-RA-130909-07-121350826702.09386483.72	09/10/13 1040	labor support. The sam locations noted above. <u>Sample ID</u>	ples included so Soil sample ID a <u>Time East</u>	il samples at the two e and location information ing <u>Northing</u>	evated area
6470-RA-130909-07-041115826693.723864800.726470-RA-130909-07-051308826703.353864792.986470-RA-130909-07-061312826710.593864800.936470-RA-130909-07-071040826676.853864799.926470-RA-130909-07-081320826684.893864800.26470-RA-130909-07-091331826700.823864818.156470-RA-130909-07-101340826702.683864823.466470-RA-130909-07-111345826703.993864825.476470-RA-130909-07-121350826702.093864832.466470-RA-130909-07-131355826683.663864783.72	09/10/13 1040	labor support. The sam locations noted above. <u>Sample ID</u> 6470-RA-130909-07-01	ples included so Soil sample ID a <u>Time East</u> 1050 82669	il samples at the two e and location information ing <u>Northing</u> 95.353 864785.29	evated area
6470-RA-130909-07-051308826703.353864792.986470-RA-130909-07-061312826710.593864800.936470-RA-130909-07-071040826676.853864799.926470-RA-130909-07-081320826684.893864800.26470-RA-130909-07-091331826700.823864818.156470-RA-130909-07-101340826702.683864823.466470-RA-130909-07-111345826703.993864825.476470-RA-130909-07-121350826702.093864832.466470-RA-130909-07-131355826683.663864783.72	09/10/13 1040	labor support. The sam locations noted above. <u>Sample ID</u> 6470-RA-130909-07-01 6470-RA-130909-07-02	ples included so Soil sample ID a <u>Time East</u> 1050 82669 1100 82669	il samples at the two e and location information ing Northing 95.353 864785.29 85.213 864791.45	evated area
6470-RA-130909-07-061312826710.593864800.936470-RA-130909-07-071040826676.853864799.926470-RA-130909-07-081320826684.893864800.26470-RA-130909-07-091331826700.823864818.156470-RA-130909-07-101340826702.683864823.466470-RA-130909-07-111345826703.993864825.476470-RA-130909-07-121350826702.093864832.466470-RA-130909-07-131355826683.663864783.72	09/10/13 1040	labor support. The sam locations noted above. <u>Sample ID</u> 6470-RA-130909-07-01 6470-RA-130909-07-02 6470-RA-130909-07-03	ples included so Soil sample ID a <u>Time East</u> 1050 82668 1100 82668 1110 82668	il samples at the two e and location information ing Northing 95.353 864785.29 85.213 864791.45 78.373 864796.57	evated area
6470-RA-130909-07-071040826676.853864799.926470-RA-130909-07-081320826684.893864800.26470-RA-130909-07-091331826700.823864818.156470-RA-130909-07-101340826702.683864823.466470-RA-130909-07-111345826703.993864825.476470-RA-130909-07-121350826702.093864832.466470-RA-130909-07-131355826683.663864783.72	09/10/13 1040	labor support. The sam locations noted above. <u>Sample ID</u> 6470-RA-130909-07-01 6470-RA-130909-07-02 6470-RA-130909-07-03 6470-RA-130909-07-04	Image Image <th< td=""><td>il samples at the two et and location information ing Northing 95.353 864785.29 85.213 864791.45 78.373 864796.57 93.723 864800.72</td><td>evated area</td></th<>	il samples at the two et and location information ing Northing 95.353 864785.29 85.213 864791.45 78.373 864796.57 93.723 864800.72	evated area
6470-RA-130909-07-081320826684.893864800.26470-RA-130909-07-091331826700.823864818.156470-RA-130909-07-101340826702.683864823.466470-RA-130909-07-111345826703.993864825.476470-RA-130909-07-121350826702.093864832.466470-RA-130909-07-131355826683.663864783.72	09/10/13 1040	labor support. The sam locations noted above. <u>Sample ID</u> 6470-RA-130909-07-01 6470-RA-130909-07-02 6470-RA-130909-07-03 6470-RA-130909-07-04 6470-RA-130909-07-05	ples included so Soil sample ID a <u>Time</u> East 1050 82669 1100 82669 1110 82669 1115 82669 1308 82670	il samples at the two e and location informatio ing Northing 95.353 864785.29 85.213 864791.45 78.373 864796.57 93.723 864800.72 03.353 864792.98	evated area
6470-RA-130909-07-091331826700.823864818.156470-RA-130909-07-101340826702.683864823.466470-RA-130909-07-111345826703.993864825.476470-RA-130909-07-121350826702.093864832.466470-RA-130909-07-131355826683.663864783.72	09/10/13 1040	labor support. The sam locations noted above. <u>Sample ID</u> 6470-RA-130909-07-01 6470-RA-130909-07-02 6470-RA-130909-07-03 6470-RA-130909-07-05 6470-RA-130909-07-06	ples included so Soil sample ID a <u>Time</u> East 1050 82668 1100 82668 1110 82669 1115 82669 1308 82670 1312 82671	il samples at the two et and location information ing Northing 95.353 864785.29 85.213 864791.45 78.373 864796.57 93.723 864800.72 03.353 864792.98 10.593 864800.93	evated area
6470-RA-130909-07-111345826703.993864825.476470-RA-130909-07-121350826702.093864832.466470-RA-130909-07-131355826683.663864783.72	09/10/13 1040	labor support. The sam locations noted above. <u>Sample ID</u> 6470-RA-130909-07-01 6470-RA-130909-07-02 6470-RA-130909-07-03 6470-RA-130909-07-05 6470-RA-130909-07-06 6470-RA-130909-07-07	ples included so Soil sample ID a <u>Time</u> East 1050 82669 1100 82669 1110 82669 1115 82669 1308 82670 1312 82672 1040 82665	il samples at the two et and location information ing Northing 95.353 864785.29 85.213 864791.45 78.373 864796.57 93.723 864800.72 93.353 864792.98 10.593 864800.93 76.853 864799.92	evated area
6470-RA-130909-07-121350826702.093864832.466470-RA-130909-07-131355826683.663864783.72	09/10/13 1040	labor support. The sam locations noted above. <u>Sample ID</u> 6470-RA-130909-07-01 6470-RA-130909-07-02 6470-RA-130909-07-03 6470-RA-130909-07-04 6470-RA-130909-07-06 6470-RA-130909-07-07 6470-RA-130909-07-08	ples included so Soil sample ID a Time East 1050 82669 1100 82669 1110 82669 1115 82669 1308 82670 1312 82667 1040 82668	il samples at the two et and location information ing Northing 95.353 864785.29 85.213 864791.45 78.373 864796.57 93.723 864800.72 93.353 864792.98 10.593 864800.93 76.853 864799.92 84.893 864800.2	evated area
6470-RA-130909-07-13 1355 826683.663 864783.72	09/10/13 1040	labor support. The sam locations noted above. <u>Sample ID</u> 6470-RA-130909-07-01 6470-RA-130909-07-02 6470-RA-130909-07-03 6470-RA-130909-07-05 6470-RA-130909-07-06 6470-RA-130909-07-08 6470-RA-130909-07-08	ples included so Soil sample ID a Time East 1050 82669 1100 82669 1110 82669 1115 82669 1308 82670 1312 82667 1320 82668 1331 82670	il samples at the two et and location information ing Northing 95.353 864785.29 85.213 864791.45 78.373 864796.57 93.723 864800.72 93.353 864792.98 10.593 864800.93 76.853 864799.92 84.893 864800.2 00.823 864818.15	evated area
	09/10/13 1040	labor support. The sam locations noted above. <u>Sample ID</u> 6470-RA-130909-07-01 6470-RA-130909-07-02 6470-RA-130909-07-03 6470-RA-130909-07-05 6470-RA-130909-07-05 6470-RA-130909-07-08 6470-RA-130909-07-09 6470-RA-130909-07-10	ples included so Soil sample ID Time East 1050 82669 1100 82669 1110 82669 1115 82669 1308 82670 1312 82672 1320 82669 1331 82670 1340 82670	il samples at the two et and location information ing Northing 95.353 864785.29 85.213 864791.45 78.373 864796.57 93.723 864796.57 93.723 864800.72 93.353 864792.98 10.593 864800.93 76.853 864800.2 90.823 864818.15 92.683 864823.46	evated area
FSS Field Log of a	09/10/13 1040	labor support. The sam locations noted above. <u>Sample ID</u> 6470-RA-130909-07-01 6470-RA-130909-07-02 6470-RA-130909-07-03 6470-RA-130909-07-04 6470-RA-130909-07-05 6470-RA-130909-07-08 6470-RA-130909-07-09 6470-RA-130909-07-10 6470-RA-130909-07-11	ples included so Soil sample ID a Time East 1050 82669 1100 82669 1110 82669 1110 82669 1115 82669 1308 82670 1312 82672 1320 82669 1331 82670 1340 82670	il samples at the two et and location information ing Northing 95.353 864785.29 85.213 864791.45 78.373 864796.57 93.723 864800.72 93.353 864792.98 10.593 864800.93 76.853 864800.2 00.823 864818.15 02.683 864823.46 03.993 864825.47	evated area

Revi	sion: 2	Page P2 of 2
\bigcirc	HDP-PR-FSS-701, Final Status Survey Plan Development APPENDIX P-6 FSS FIELD LOG	
Date/Time: 09/10/13 1300	Observation or Comment: N. Jordan and J. Hoffman finished the GWS in LSA 10-07 and proceeded To the barn area to assist with soil sampling operations and soil load out From LSA 05-01 area.	<u>Technician</u>
09/10/13 1600	Soil samples were labeled and delivered to the on-site lab for analysis.	
09/10/13 1700	Performed post source check of all FSS meters. All meters passed successful	lly.
	END SJ/NJ/JH/AS	

FSS Field Log $\underline{2}$ of $\underline{2}$

Revi	sion: 2			Page P1 of 1
\supset	HDP-PR	R-FSS-701, Final Status APPEND FSS FIEL		
Survey Area:	LSA-05	Description:	Barn and Cistern Open Land	Area
Survey Unit:	03	Description:	Tile Barn Area	
FSS Field Log				
Date/Time:	Observation or	Comment:		Technician
09/16/13 0630	Received our dai	ly FSS briefing and safe	ety briefing.	SJ/JH/NJ/AS
09/16/13 0800	N. Jordan & J. Ho in LSA 05-03.	offman verified that isol	ation and controls were in place	
09/16/13 0830	J. Hoffman and N. Jordan began a GPS GWS of a portion of LSA 05-03. During the GWS, J. Hoffman located two areas of elevated readings. Both area were flagged for further investigation and/or sampling. During further investigation, one area was determined to be a discreet source of contamination. The reading at the surface of the soil was 24,000 GCPM. After only a slight disturbance of the soil, a portion of a pellet was visible and measured 98,000 GCPM on contact. The pellet was removed and the soil re-scanned and found to be 12,000 GCPM on contact.			
	See surveys: 3466	-C-130916 & 3467-C-1	30916 for more detailed information	ution.
09/16/13 1300	J. Hoffman condu LSA 05-03.	acted a manual GWS of	a portion of vertical sidewall in	
	See survey 3467-	C-130916 for more deta	iled information.	
09/16/13 1700	Performed post so	ource check of all FSS r	neters. All meters passed succes	sfully.
	END SJ/NJ/JH/A	S		
\supset			F	SS Field Log <u> </u> of <u> </u>

Revis	sion: 2			Page P1 of 1	
HDP-PR-FSS-701, Final Status Survey Plan Development APPENDIX P-6 FSS FIELD LOG					
Survey Area:	LSA-05	Description:	Barn and Cistern Open Land A	rea	
Survey Unit:	03	Description:	Tile Barn Area		
FSS Field Log	-				
Date/Time:	Observation or Comn	nent:		<u>Technician</u>	
09/17/13 0630	80 Received our daily FSS briefing and safety briefing. SJ/JH			SJ/JH/NJ/AS	
09/17/13 0800	17/13 0800 N. Jordan & J. Hoffman verified that isolation and controls were in place in LSA 05-03.				
09/17/13 0830	J. Hoffman and N. Jorda	an began a GPS G	WS of a portion of LSA 05-03.		
09/17/13 1300	09/17/13 1300 J. Hoffman and N. Jordan continued the GPS GWS of a portion of LSA 05-03.				
See surveys 3503-C-130917 and 3504-C-130917 for more detailed information.					
09/17/13 1700	Performed post source	check of all FSS m	neters. All meters passed successf	ully.	
	END SJ/NJ/JH/AS				

FSS Field Log __ of __

Revi	sion: 2			Page P1 of 1
	HDP-PR-I	FSS-701, Final Statu APPEND FSS FIEL		
Survey Area:	LSA-05	Description:	Barn and Cistern Open Land Ar	ea
Survey Unit:	03	Description:	Tile Barn Area	
FSS Field Log	<u>:</u>			
Date/Time:	Observation or Co	omment:		<u>Technician</u>
09/18/13 0630	Received our daily	FSS briefing and safe	ty briefing.	NJ/AB
09/18/13 0800	N. Jordan verified t	hat isolation and cont	rols were in place in LSA 05-03.	
09/18/13 0830	N. Jordan two areas investigation and/or determined to be a d surface of the soil w area a pellet was vis	of elevated readings. sampling. During fur liscreet source of cont as 16,200 GCPM on ible and measured 77	of LSA 05-03. During the GWS, Both area were flagged for further ther investigation, one area was amination. The reading at the contact. After hand excavating the ,000 GCPM on contact. The pellet found to be 12,000 GCPM on conta	act.
	See surveys: 3505-C	C-130918 for more det	tailed information.	
09/18/13 133	N. Jordan and A. Bo	hacheff conducted a (GPS GWS of a portion of LSA 05-0	3.
	See survey 3506-C-1	30918 for more detai	led information.	
09/18/13 1700	Performed post source	ce check of all FSS m	eters. All meters passed successfull	у.
	END NJ/AB			
			FSS	Field Log _ of _

Revi	sion: 2	an an an an ann an an an an an an an an		Page P1 of 1	
HDP-PR-FSS-701, Final Status Survey Plan Development APPENDIX P-6 FSS FIELD LOG					
Survey Area:	LSA-05	Description:	Barn and Cistern Open Land Ar	ea	
Survey Unit:	03	Description:	Tile Barn Area		
FSS Field Log	-				
Date/Time:	Observation or Comm	nent:		<u>Technician</u>	
09/23/13 0630	0630 Received our daily FSS briefing and safety briefing. NJ/AB/JH			NJ/AB/JH	
09/23/13 0800	09/23/13 0800 A. Bohacheff, J. Hoffman and N. Jordan verified that isolation and controls were in place in LSA 05-03.				
09/23/13 0830	09/23/13 0830 A. Bohacheff, J. Hoffman and N. Jordan began a GPS GWS of a portion of LSA 05-03.				
09/23/13 1330	A. Bohacheff, N. Jorda	n and J. Hoffman	continued GPS GWS in LSA 05-03	3.	
09/23/13 1645	J. Hoffman, N. Jordan an	nd A. Bohacheff co	ompleted GPS GWS for the day.		
See surveys 3534-C-130923 & 3535-C-130923 for more detailed information.					
09/23/13 1700	Performed post source c	heck of all FSS me	eters. All meters passed successfull	у.	
END NJ/AB/JH					

Revi	sion: 2			Page P1 of 1	
5	HDP-PR-FSS	-701, Final Status APPENDI FSS FIELD			
Survey Area:	LSA-05	Description:	Barn and Cistern Open Land Ar	ea	
Survey Unit:	03	Description:	Tile Barn Area		
<u>FSS Field Log</u> <u>Date/Time:</u>	: Observation or Comm	nent:		Technician	
09/24/13 0630	3 0630 Received our daily FSS briefing and safety briefing. NJ/AB/JH			NJ/AB/JH	
09/24/13 0815	09/24/13 0815 A. Bohacheff, J. Hoffman and N. Jordan verified that isolation and controls were in place in LSA 05-03.				
09/24/13 0830	09/24/13 0830 A. Bohacheff, J. Hoffman and N. Jordan began a GPS GWS of a portion of LSA 05-03.				
09/24/13 1315	A. Bohacheff, N. Jordan	n and J. Hoffman co	ontinued GPS GWS in LSA 05-03		
09/24/13 1645	J. Hoffman, N. Jordan a	nd A. Bohacheff co	mpleted GPS GWS for the day.		
	See surveys 3572-C-13	0924 & 3573-C-13	0924 for more detailed information	n.	
09/24/13 1700	Performed post source c	heck of all FSS me	ters. All meters passed successfull	ly.	
	END NJ/AB/JH				

FSS Field Log / of |

Revi	sion: 2			Page P1 of 1
	HDP-PR-FS	S-701, Final Status APPENDI FSS FIELI		
Survey Area:	LSA-05	Description:	Barn and Cistern Open Land Are	ea
Survey Unit:	03	Description:	Tile Barn Area	
<u>FSS Field Log</u> <u>Date/Time:</u>	: Observation or Com	ment:		Technician
10/07/13 0630	Received our daily FS	S briefing and safet	y briefing.	JH/NJ
10/07/13 0815	J. Hoffman and N. Joi in LSA 05-03.	rdan verified that iso	plation and controls were in place	
10/07/13 0835	e		ch and exposed water line within of a portion of LSA 05-03.	
10/07/13 1300	N. Jordan and J. Hoffm	an continued GPS (GWS in LSA 05-03.	
10/07/13 1635	J. Hoffman and N. Jord	lan completed GPS	GWS for the day in LSA 05-03.	
\supset	See surveys 3734-C-12	31007 & 3735-C-13	1007 for more detailed information	a.
10/07/13 1645	Performed post source	check of all FSS me	eters. All meters passed successfull	y.
	END JH/NJ			

Revi	sion: 2			Page P1 of 1
	HDP-PR-FS	S-701, Final Status APPENDI FSS FIELI		
Survey Area: Survey Unit:		Description: Description:	Barn and Cistern Open Land Ard Tile Barn Area	ea
<u>FSS Field Log</u> <u>Date/Time:</u>	: Observation or Com	ment:		<u>Technician</u>
10/08/13 0630	Received our daily FS	S briefing and safet	y briefing.	JH/NJ
10/08/13 0815	J. Hoffman and N. Jor in LSA 05-03.	dan verified that is	olation and controls were in place	
10/08/13 0835	0		tal surfaces within LSA 05-03. l sidewall portions of LSA 05-03.	
10/08/13 1300	N. Jordan and J. Hoffm	an continued GWS	in LSA 05-03.	
10/08/13 1330	N. Jordan completed m	anual GWS of the s	idewalls.	
	See survey 3775-C-13	1008 for more detai	led information.	
10/08/13 1635	J. Hoffman completed	GPS GWS for the d	ay in LSA 05-03.	
See survey 3774-C-131008 & for more detailed information.				
10/08/13 1645	Performed post source	check of all FSS me	eters. All meters passed successfull	y.
	END JH/NJ			

FSS Field Log | of |

Revi	sion: 2			Page P1 of 1
\supset	HDP-PR-FS	S-701, Final Statu APPEND FSS FIEL		
Survey Area:	LSA-05	Description:	Barn and Cistern Open Land A	rea
Survey Unit:	03	Description:	Tile Barn Area	
FSS Field Log	<u>:</u>			
Date/Time:	Observation or Con	<u>iment:</u>		Technician
10/09/13 0630	Received our daily FS	SS briefing and safe	ty briefing.	JH/AS
10/09/13 0815	J. Hoffman and A. Sc Place in LSA 05-03.	chooley verified that	t isolation and controls were in	
10/09/13 0835	J. Hoffman and A. Sch Sample IDs within LS		d Soil Sampling of the following	
	Sample ID Tin L050343PUB00 L050344PUB00 L050345PUB00 L050346PUB00 L050347PUB00	1605 1610 1615 1620 1625		
10/09/13 1300	L050348PUB00 A. Schooley and J. Ho	1630 ffman continued sar	mpling in LSA 05-03.	
10/09/13 1635	J. Hoffman and A. Sch	nooley completed B	iased Soil Sampling in LSA 05-03	
	See survey 3783-C-13	1009 for more deta	iled information.	
10/09/13 1645	Performed post source	check of all FSS m	eters used. All meters passed succ	essfully.
	END JH/AS			
\square			FS	S Field Log _ of _

378. ⁰ 5	Revision: 2	0,2	с	ge P-1 of	1
		HDP-PR-FSS-701	, Final Status Survey APPENDIX P-6 FSS FIELD LOG	y Plan Development	
	Survey Area:	LSA-05	Description:	Barns and Cistern Open Land A	rea
	Survey Unit:	03	Description:	Wood Barn Area	
	FSS Field Log	<u>:</u>			
	Date/Time:	Observation or Com			Technician
	10/9/13 14:00	Based on statistica	e Analysis of the	e data Padiological	9 13
5		Engineering work	delike has deter	mined bias samples	
	Stat Analysis	$\Rightarrow 1$ E: 826707.	Le Alighter	lowing locations	
	Stat Agalusis	$\rightarrow 2) \in 326739.$	2 N: 86478	30.1	
	Hishest GWS -	→ 3) E: 826699.0	6 N: 86482	5.9	
	Reading			mples collected.	
				depth of 0 to binches	
		and the secon	d sample will	le be from a depti	
4		of 6 to 12 inch	es.		
	10/11/13 13:00	Further Statistical RSO indicated	Analysis and d 3 areas in the we	iscussion with the stern portion in LSA 05-03	AB
		that need to be			
		using a 2x2. prov	inpin a serpi	- moving at a scan	
		speed no greater	- than 1 foot p	oranomolous are found.	
		flags in areas	where elevated	readings are found.	
				t a binch sample	
		In all locations	where Mags ar	e placed. If 190 flags	
		are placed, por	da a casa Sample	from the highest attached maps for	
		areas need.n	e to be GWS	the maps for	
			1		
					1 1

FSS Field Log / of /

Revi	sion: 2			Page P1 c	
HDP-PR-FSS-701, Final Status Survey Plan Development APPENDIX P-6 FSS FIELD LOG					
Survey Area:	LSA-05	Description:	Barn and Cistern Open La	and Area	
Survey Unit:	03	Description:	Tile Barn Area		
FSS Field Log	<u>:</u>				
Date/Time:	Observation or Co	mment:		Technician	
10/11/13 0630	Received our daily I	FSS briefing and safe	ty briefing.	JH/NJ	
10/11/13 0815	J. Hoffman verified that isolation and controls were in place in LSA 05-03.				
10/11/13 0835	J. Hoffman began a	GPS GWS within a p	ortion of LSA 05-03.		
10/11/13 1300	J. Hoffman continue	d GWS in LSA 05-03	3.		
10/11/13 1400	J. Hoffman completed GWS within LSA 05-03.				
	See survey: 3819-C-	131011 for more det	ailed information.		
10/11/13 1500	J. Hoffman and N. Jo sample IDs within L	•	oil Sampling of the following	g	
	L050349PUB00 L050350PUB00 L050351PUB00	Time 1520 1532 1539			
	See survey: 3820-C-				
10/11/13 1645		e check of all FSS m	eters. All meters passed succ	essfully.	
	END JH/NJ				
				FSS Field Log 📙 of	
				r_{55} rieid Log r_{01} 01	