2008 Monitoring Well Sampling Log (BMW-3)

	Site name:	CAM-4					
	Date of sampling event:	:: 14-17 Aug 2008					
	Names of samplers:	TFB					
	Monitoring well ID:	BMW-3					
	Facility:	Tier II Soil Disposa	l Facility				
	·	<u> </u>	•				
			Known I	Data			
	Depth of installation* (m):	3.45	Tanovin	Julu			
	of screened section (m):	2.03					
		0.46					
Det	oth to top of screen* (m):	0.46					
				D-1-			
			<i>l</i> leasured	Data			
	Condition of well:	1			Procedure/Equipment:		
	Procedure/Equipment:	Interface Meter		Dep	oth to water surface (m):	0.92	
Well h	eight above ground (m):	0.76			Depth to bottom (m):	2.25	
	Diameter of well (m):	0.05		Free	product thickness (mm):	-	
	Calculations				Notes		
	Depth of water (m):	1.33		Evidence of sludge:		-	
V	Vell volume of water (L):	2.61		Evide	nce of freezing/siltation:	-	
	Static water level* (m):	0.16					
Length of scre	een collecting water (m):						
20119111 01 0011	Jon Jones III January II Janua		ent/Purai	ng Information			
	Equipment:	Disposable Bailer,		_			
	Equipment	Disposable Baller,	11011ba 0-22	<u>-</u>			
B	I 5	0			T 1111 (1711)	D 1 11 111 1	
Date & Time	Volume Removed (L)	Temperature (°C)	pH	Conductivity (µS/cm)	Turbidity (NTU)	Description of Water	
16-Aug-08	3	2.81	8.73	0.504	-	Silty, greyish brown, N/O	
	Water Samplin	g		Soil Sampling			
	Date & Time Collected:	16-Aug-0)8	D	ate and Time Collected:	14-Aug-08	
S	Sample Number - Water:	BMW-3			Sample Number - Soil:	BMW-3-15	
						BMW-3-40	
					Dup	BMW-30-40	
	Sample Containers:	3 x 0.5L Amber Gla	ass	Sample Containers:		8 x 250mL Glass	
	•	2 x VOC vials			·		
	Procedure/Equipment:	Disposable Bailer			Procedure/Equipment:	SS Trowel	
Frocedure/Equipment: Disposa		Sp 222.2.0			i ioocaare/Equipment.	TOWE!	
	W. B		n N/O		Cail Department	Craviah hrawa ailt till	
Water Description:		Silty, greyish brown	., 14/0		Soil Description:	Greyish brown silt till,	
						some gravel.	
Sampling Equipment	Decontamination (Y/N):	Y		Sampling Equipment	Decontamination (Y/N):	Y	
	Number Washes:	1			Number Washes:	2	
Number Rinses:		2		Number Rinses: 2			

^{*}From ground surface. Unless this is stated, all measurments are assumed to be from the top of the casing.
n/a=not applicable
LDPE=Low Density Polyethylene
SS=Stainless Steel

2008 Monitoring Well Sampling Log (MW-5)

	<u></u>	0.11.4				1	
Site name: CAM-4							
	Date of sampling event:	_					
	Names of samplers:	TFB					
	Monitoring well ID:	MW-5					
	Facility:	Tier II Soil Disposa	l Facility				
			Known I	Data			
	Depth of installation* (m): 3.60						
Length	of screened section (m):	2.03					
Dep	oth to top of screen* (m):	0.60					
		N	Measured	Data			
	Condition of well:	Good			Procedure/Equipment:	Interface Meter	
	Procedure/Equipment:	Interface Meter		Dep	oth to water surface (m):	1.17	
Well h	eight above ground (m):	0.60			Depth to bottom (m):	3.25	
	Diameter of well (m):	0.05		Free	product thickness (mm):	-	
	. ,				, , ,		
Calculations Notes							
	Depth of water (m):	2.08			Evidence of sludge:	-	
\	Well volume of water (L): 4.08			Evidence of freezing/siltation: -		-	
	Static water level* (m):	0.57					
Length of scr	een collecting water (m):	2.05		 			
	our concounty mater (m).		ent/Purai	ng Information			
	Fauinment:			with flow through cell, LD)PF		
	Ечартоп.	r chotaltio r ump, r	101104 0 22	with now through con, ED			
Date & Time	Volume Removed (L)	Temperature (°C)	pН	Conductivity (µS/cm)	Turbidity (NTU)	Description of Water	
16-Aug-08	4.8	2.05	7.32	0.887	6.1	C&C,	
10-Aug-00	4.0	2.00	7.52	0.007	0.1	Slight chemical odour	
	Water Samplin	~			Soil Sampling	Slight chemical odour	
	Water Samplin Date & Time Collected:	g 15-Aug-0	าย	Soil Sampling Date and Time Collected:		14-Aug-08	
			,,,	J			
	Sample Number - Water:	U-VVIVI		Defused @ C OF	Sample Number - Soil:		
				Refusal @ 0.25 m		MW-5-25	
				-			
	0	0051			0	4 ·· 0501 C!	
	Sample Containers:	3 x 0.5L Amber Glass			Sample Containers:	4 x 250ml Glass	
		2 x VOC vials					
Procedure/Faujoment: Peristaltic Pump, Horiba U-22		Joriba II 00		D	00 T :		
	Procedure/Equipment:		1011Da U-22		Procedure/Equipment:	SS I rowel	
		COC Clicht sha	aal ada				
Water Description:		C&C, Slight chemic	cai odour		Soil Description:	Greyish brown silt till,	
						some gravel.	
Sampling Equipment	Decontamination (Y/N):	Υ		Sampling Equipment Decontamination (Y/N):		Υ	
	Number Washes:	1			Number Washes:	2	
Number Rinses:		2			Number Rinses:	2	

^{*}From ground surface. Unless this is stated, all measurments are assumed to be from the top of the casing.
n/a=not applicable
LDPE=Low Density Polyethylene
SS=Stainless Steel

2008 Monitoring Well Sampling Log (MW-8)

	Site name:						
	Date of sampling event:	14-17 Aug 2008					
	Names of samplers:	TFB					
	Monitoring well ID:	MW-8					
	Facility:	: Tier II Soil Disposal Facility					
			Known E)ata			
	Depth of installation* (m): 4.08						
	• • • • • • • • • • • • • • • • • • • •		2.01				
	of screened section (m):						
Dep	oth to top of screen* (m):	0.97					
			Measured	Data			
	Condition of well:	Good			Procedure/Equipment:	Interface Meter	
	Procedure/Equipment:	Interface Meter		Dep	oth to water surface (m):	0.97	
Well h	eight above ground (m):	0.97			Depth to bottom (m):	2.45	
	Diameter of well (m):	0.05		Free	product thickness (mm):	-	
	. ,				. ,		
	Calculations				Notes		
	Depth of water (m):	1.48			Evidence of sludge:	-	
V	Vell volume of water (L):	2.91				-	
V	• • • • • • • • • • • • • • • • • • • •			Evidence of freezing/siltation:		-	
	Static water level* (m):		0.00				
Length of scre	een collecting water (m):	0.51					
		_		ng Information			
	Equipment:	Peristaltic Pump, H	loriba U-22	with flow through cell, LD	PE		
Date & Time	Volume Removed (L)	Temperature (°C)	рН	Conductivity (µS/cm)	Turbidity (NTU)	Description of Water	
16-Aug-08	3	3.7	7.01	1150	10.7	C&C	
						Chemical odour	
	Water Sampling	<u> </u>			Soil Sampling		
	Date & Time Collected:	16-Aug-0)8	D	ate and Time Collected:	14-Aug-08	
	Sample Number - Water:				Sample Number - Soil:	,	
	ample Number - Water.	10100			•		
						MW-8-20	
	·	3 x 0.5L Amber Glass			Sample Containers:	4 x 250mL Glass	
		2 x VOC vials					
	Procedure/Equipment: Peristaltic Pump, Horiba U-22		loriba U-22		Procedure/Equipment:	SS Trowel	
Water Description:		C&C, Chemical Od	lour		Soil Description:	Brown sandy silt till,	
·					·	some gravel.	
						3	
Sampling Equipment	Decontamination (Y/N):	Y		Sampling Equipment	Decontamination (V/NI)	Y	
Jamping Equipment	Number Washes:	1		Sampling Equipment Decontamination (Y/N):			
						2	
	Number Rinses: 2			Number Rinses: 3		3	

^{*}From ground surface. Unless this is stated, all measurments are assumed to be from the top of the casing.
n/a=not applicable
LDPE=Low Density Polyethylene
SS=Stainless Steel

2008 Monitoring Well Sampling Log (MW-9)

14-17 Aug 2008					
TFB					
MW-9					
Facility: Tier II Soil Disposal Facility					
	Known D	Data			
Depth of installation* (m): 3.32					
2.01					
0.40					
	/leasured	Data			
	neasureu	Data	Procedure/Equipment:	Interface Meter	
I		Don		0.29	
		Deb	, ,		
		-	. ,	1.98	
0.05		Free p	product tnickness (mm):	-	
1.69		Evidence of sludge:		-	
3.32		Evidence of freezing/siltation:		-	
-0.04					
1.25					
Developme	ent/Purgi	ng Information			
ristaltic Pump, H	oriba U-22	with flow through cell, LD	PE		
emperature (°C)	рН	Conductivity (µS/cm)	Turbidity (NTU)	Description of Water	
2.62	11.34	1060	41.3	C&C	
				Chemical odour	
			Soil Sampling		
16-Aug-0	8			14-Aug-08	
		Patusal @ 0.25 m	•	MW-9-25	
		iverusar & 0.25 iii		10100-9-25	
() El Amb == O'	200		Comple Contains	4 v 250ml Olas-	
			Sample Containers:	4 x ZOUIIL Glass	
VOC viais					
sistaltia Duran III	ariba II 00				
Procedure/Equipment: Peristaltic Pump, Horiba U-22			Procedure/Equipment:	SS Trowel	
Water Description: C&C Chemical odour					
kC Chemical odo	ur		Soil Description:	Brown sandy silt till,	
				some gravel.	
Υ		Sampling Equipment	Decontamination (Y/N):	Υ	
1		Number Washes:		2	
Number Washes: 1 Number Rinses: 2		Number Rinses:	3		
	3.32 2.01 0.40 Mod erface Meter 0.33 0.05 1.69 3.32 -0.04 1.25 Developmeristaltic Pump, Hermonic Pump, Hermo	17 Aug 2008 B B B B B B B B B	Tri Aug 2008 B V-9 I I Soil Disposal Facility Known Data 3.32 2.01 0.40 Measured Data od erface Meter Deg 0.33 0.05 Free 1.69 3.32 Evide -0.04 1.25 Development/Purging Information ristaltic Pump, Horiba U-22 with flow through cell, LD mperature (°C) pH Conductivity (µS/cm) 2.62 11.34 1060 The Aug-08 Deg 0.5L Amber Glass VOC vials ristaltic Pump, Horiba U-22 C Chemical odour Y Sampling Equipment		

^{*}From ground surface. Unless this is stated, all measurments are assumed to be from the top of the casing.
n/a=not applicable
LDPE=Low Density Polyethylene
SS=Stainless Steel

2008 Monitoring Well Sampling Log (MW-14-A)

		Ī					
Site name: CAM-4							
	Date of sampling event:	14-17 Aug 2008					
	Names of samplers:	TFB					
	Monitoring well ID:	MW-14-A					
	Facility:	Tier II Soil Disposa	I Facility				
			Known I	Data			
	Depth of installation* (m):	4.66					
Length	of screened section (m):	2.03					
Dep	oth to top of screen* (m):	1.67					
	<u></u>						
		N	Measured	Data			
	Condition of well:	I			Procedure/Equipment:	Interface Meter	
	Procedure/Equipment:	1		Der	oth to water surface (m):	1.07	
Well h	eight above ground (m):	0.51		20,	Depth to bottom (m):	2.47	
VVOII 11	Diameter of well (m):	0.05		Free	product thickness (mm):	-	
	Diameter of Well (III).	0.00		1 166 }	organic anomicos (mill).	-	
	Calculations				Notes		
	Depth of water (m):	1.40			Evidence of sludge:	_	
1				Frida		-	
V	Vell volume of water (L): Static water level* (m):	2.75		Evide	nce of freezing/siltation:	-	
1	, ,	0.56					
Length of scre	een collecting water (m):	0.29	./5				
		- I		ng Information			
	Equipment:	Peristaltic Pump, H	loriba U-22	with flow through cell, LD	PE		
	T	Г		Т	Г		
Date & Time	Volume Removed (L)	Temperature (°C)	pН	Conductivity (µS/cm)	Turbidity (NTU)	Description of Water	
16-Aug-08	3	1.01	6.73	0.95	-	Grey, slightly cloudy	
						N/O	
	Water Samplin	ĭ .		Soil Sampling			
	Date & Time Collected:	16-Aug-0)8	D	ate and Time Collected:	14-Aug-08	
5	Sample Number - Water:	MW-14-A			Sample Number - Soil:	MW-14-A-15	
				Refusal @ 0.30 m		MW-14-A-30	
					Dup	MW-140-A-30	
	Sample Containers:	3 x 0.5L Amber Gla	ass		Sample Containers:	8 x 250mL Glass	
		2 x VOC vials					
	Procedure/Equipment:	Peristaltic Pump, H	loriba U-22		Procedure/Equipment:	SS Trowel	
Water Description:		Grey, slightly cloud	ly, N/O		Soil Description:	Brown sandy silt till.	
water 2 costription.					·	,	
Sampling Equipment	Decontamination (Y/N):	Y		Sampling Equipment	Decontamination (Y/N)	Y	
Sampling Equipment	Number Washes:	2				2	
	Number Rinses:	2			Number Rinses:	2	
Number Rinses:		l		Number Kinses: 2		∠	

^{*}From ground surface. Unless this is stated, all measurments are assumed to be from the top of the casing.
n/a=not applicable
LDPE=Low Density Polyethylene
SS=Stainless Steel

2008 Monitoring Well Sampling Log (MW-15)

		0444					
	Site name: CAM-4						
	Date of sampling event:	14-17 Aug 2008					
	Names of samplers:	TFB					
	Monitoring well ID:	MW-15					
	Facility:	ity: Tier II Soil Disposal Facility					
			Known [Data			
D	epth of installation* (m):	3.25					
Length of	of screened section (m):	1.97					
	th to top of screen* (m):	0.33					
			/leasured	Data			
	Condition of well:				Procedure/Equipment:	Interface Meter	
	Procedure/Equipment:			Ner	oth to water surface (m):	0.45	
Well by	eight above ground (m):	0.51		Det	Depth to bottom (m):	2.45	
vven ne	Diameter of well (m):	0.05		Eroo	product thickness (mm):	-	
	Diameter of well (III):	0.05		Free	product triickHess (HIIII):	<u>-</u>	
	O al a sala d'assa				N. d		
	Calculations				Notes		
	Depth of water (m):	2.00		Evidence of sludge:		-	
V	Vell volume of water (L):	3.93		Evidence of freezing/siltation:		-	
	Static water level* (m):	-0.06	-0.06				
Length of scre	en collecting water (m):	1.61					
		Developm	ent/Purgi	ng Information			
	Equipment:	Peristaltic Pump, H	loriba U-22	with flow through cell, LD	PE		
Date & Time	Volume Removed (L)	Temperature (°C)	рН	Conductivity (µS/cm)	Turbidity (NTU)	Description of Water	
16-Aug-08	4.5	2.08	6.31	0.846	13.5	Clear, slightly yellow	
						Chemical odour	
	Water Samplin	g			Soil Sampling		
	Date & Time Collected:	16-Aug-0)8	D	ate and Time Collected:	14-Aug-08	
S	ample Number - Water:				Sample Number - Soil:		
		MW-150		Refusal @ 0.25 m	•	MW-15-25	
	-1						
	Sample Containers:	6 x 0.5L Amber da	SS		Sample Containers:	4 x 250ml Glass	
	Campio Contaniolo.	4 x VOC vials			Campio Contaniolo.	2002 0.000	
	2 x 1L Amber glass	1 x 0.25L Plastic					
Procedure/Equipment: Peristaltic Pump, Horiba U-22			Procedure/Equipment:	SS Trowel			
	r rocedure/Equipment:	. chotailo i amp, ii			r rocedure/Equipment:	33 HOWEI	
	Water Description	Clear, slightly yello	w		Poil Decement	Proug condition the	
Water Description:		chemical odour	vv,		Soil Description:	Brown sandy silt till,	
						some gravel.	
Sampling Equipment	Decontamination (Y/N):	Y		Sampling Equipment Decontamination (Y/N):		Y	
	Number Washes:	2		Number Washes: 2		2	
	Number Rinses:	2		Number Rinses: 2			

^{*}From ground surface. Unless this is stated, all measurments are assumed to be from the top of the casing.
n/a=not applicable
LDPE=Low Density Polyethylene
SS=Stainless Steel

2008 Monitoring Well Sampling Log (MW-16)

						1	
Site name: CAM-4							
	Date of sampling event:	14-17 Aug 2008					
	Names of samplers:	TFB					
	Monitoring well ID:	MW-16					
	Facility:	Tier II Soil Disposa	l Facility				
			Known I	Data			
	Depth of installation* (m): Data not available						
	of screened section (m):						
	pth to top of screen* (m):						
	part to top or soreer (iii).						
			Measured	Data			
	Condition of well:	1	vicasureu	Data	Procedure/Equipment:	Interface Motor	
				D		1.34	
147 111	Procedure/Equipment:			Dep	oth to water surface (m):		
Well h	neight above ground (m):	0.60		_	Depth to bottom (m):	3.00	
	Diameter of well (m):	0.05		Free	product thickness (mm):	-	
	Calculations				Notes		
	Depth of water (m):	1.66			Evidence of sludge:	-	
1	Well volume of water (L):	3.30	Evidence of freezing/siltation:		-		
	Static water level* (m):	0.74					
Length of scr	een collecting water (m):						
		Developm	ent/Purai	ng Information			
	Equipment:	Disposable Bailer,					
	-4-4-4			-			
Date & Time	Volume Removed (L)	Temperature (°C)	pН	Conductivity (µS/cm)	Turbidity (NTU)	Description of Water	
16-Aug-08	4	1.7	6.9	0.544	54	C&C, sheen on surface	
10-Aug-00	4	1.7	0.9	0.544	54		
	\\\ - 1 - 1 - 0 \\\\\\\\\\\\\\\\				0 - 11 0 11	Hydrocarbon odour	
	Water Samplin			Soil Sampling		44.4	
	Date & Time Collected:	16-Aug-0)8	D	ate and Time Collected:	14-Aug-08	
	Sample Number - Water:	MW-16			Sample Number - Soil:		
				Refusal @ 0.40 m		MW-16-40	
	Sample Containers:	3 x 0.5L Amber Gla	ass		Sample Containers:	4 x 250mL Glass	
		2 x VOC vials					
				1			
	Procedure/Equipment:				Procedure/Equipment:	SS Trowel	
Procedure/Equipment: Disposable Bailer							
	Water Description:		rface,		Soil Description:	Brown, sandy silt till	
water Description.		Hydrocarbon odou			25 2 55011ptio11.	, Jile till	
Sampling Equipment	t Decontamination (Y/N):	Y		Sampling Equipment	Decentermination (V/N):	V	
Sampling Equipment	` '			Sampling Equipment Decontamination (Y/N): Y			
	Number Washes:	2			Number Washes:	3	
Number Rinses:		3		Number Rinses: 3			

^{*}From ground surface. Unless this is stated, all measurments are assumed to be from the top of the casing.
n/a=not applicable
LDPE=Low Density Polyethylene
SS=Stainless Steel