

# BOREHOLE LOG

BOREHOLE No.  
**BHC01**

Client:  
**VIRIDOR WASTE MANAGEMENT**



Project No:  
402-0036-00451

Date:  
18/06/09

Ground Level:

Co-ordinates:  
E353891 N181838

Project:  
**SEVERN ROAD RESOURCE RECOVERY CENTRE**

Sheet:  
1 of 2

SAMPLES & TESTS						STRATA				Instrument/ Backfill	
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N	Water	Reduced Level	Legend (Thick-ness)	Depth		DESCRIPTION
0.50		0						[Cross-hatch pattern]	(1.30)	Very stiff brown mottled red mottled yellow gravelly CLAY (MADE GROUND)	Instrument/ Backfill
1.20-1.65	U							[X pattern]	1.30	Very soft grey brown occasionally mottled black silty CLAY (ALLUVIUM)	
2.00		40			6			[X pattern]	(2.70)		
2.90-3.90	P							[X pattern]			
4.00		10			6			[X pattern]	4.00	Very soft to soft grey blue mottled black silty CLAY with occasional peat and sand bands (ALLUVIUM)	
5.00-5.45	U							[X pattern]			
5.45-5.55	D							[X pattern]			
6.00	D	0						[X pattern]			
6.00	J							[X pattern]			
6.00	V							[X pattern]			
6.50-7.50	P(NR)							[X pattern]			
8.00		0			3	↓		[X pattern]	(8.00)		
9.00-10.00	P							[X pattern]			
10.00	D	15						[X pattern]			
10.00	J							[X pattern]			
10.00	V							[X pattern]			

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
17-06-09	12.00	0.00	0.00	0.00	-						Hand dug inspection pit to 1.20m bgl.
17-06-09	17.00	10.50	0.00	9.00	150						
18-06-09	17.00	14.70	8.50	14.50	150						

All dimensions in metres Scale 1:68.75	Contractor : C&J Drilling Plant:Dando	Method: Cable Percussion Hole Size:150mm	Logged By: MM Approved By:
---	--	---	-------------------------------

Form SLR AGS3 UK BH File 402.0036.00451 AVONMOUTH EFW BHS.GPJ 01-09-09



# BOREHOLE LOG

BOREHOLE No.  
**BHC02**

Client:  
**VIRIDOR WASTE MANAGEMENT**



Project No:  
402-0036-00451

Date:  
22/06/09

Ground Level:

Co-ordinates:  
E353960 N181628

Project:  
**SEVERN ROAD RESOURCE RECOVERY CENTRE**

Sheet:  
1 of 2

SAMPLES & TESTS						STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N	Water	Reduced Level	Legend (Thick-ness)	Depth	
								X	0.10	Grass over black slightly gravelly fine to coarse SAND (MADE GROUND)
								X	(0.60)	Grey slightly sandy fine to coarse sub-angular to sub-rounded GRAVEL of ballast and chert (MADE GROUND)
								X	0.70	
1.00-1.45	U		70					X	(1.30)	Firm grey mottled brown silty slightly sandy CLAY (ALLUVIUM)
2.00			66			↓		X	2.00	
			5		3	↓		X		Very soft grey brown mottled black slightly silty CLAY (ALLUVIUM)
3.00-4.00	P		8			↓		X	(3.00)	
4.00			80					X	5.00	4.00 Layer of peat.
5.00-5.45	U		2					X		Soft to firm light grey mottled black sandy SILT (ALLUVIUM)
6.00	D		25					X		
6.00	J							X		
6.00	V							X		
6.30-7.30	P							X		
7.00			6					X		
8.00			35		5			X	(7.00)	
9.00								X		
10.00			5		16			X		

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
22-06-09	08.00	0.00	0.00	0.00	-						
22-06-09	17.00	15.00	4.10	15.00	150						

All dimensions in metres Scale 1:68.75	Contractor : C&J Drilling Plant:Dando	Method: Cable Percussion Hole Size:150mm	Logged By: MM Approved By:
---	--	---	-------------------------------

Form SLR AGS3 UK BH File 402.0036.00451 AVONMOUTH EFW BHS.GPJ 01-09-09

# BOREHOLE LOG

BOREHOLE No.  
**BHC02**

Client:  
**VIRIDOR WASTE MANAGEMENT**



Project No:  
402-0036-00451

Date:  
22/06/09

Ground Level:

Co-ordinates:  
E353960 N181628

Project:  
**SEVERN ROAD RESOURCE RECOVERY CENTRE**

Sheet:  
2 of 2

SAMPLES & TESTS						STRATA				Instrument/ Backfill	
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N	Water	Reduced Level	Legend (Thickness)	Depth		DESCRIPTION
12					5			x x x x x x x x x x x x	12.00	Soft to firm light grey mottled black sandy SILT (ALLUVIUM) <i>(continued)</i>	
12.00-12.00	D	0	8					x x x x x x x x x x x x	12.10	Very soft red brown occasionally mottled green grey slightly gravelly sandy CLAY. Gravel is sub-rounded to rounded fine to coarse chert (ALLUVIUM)	
12.30-12.75	V							x x x x x x x x x x x x	(2.90)	Red brown occasionally mottled green grey slightly clayey fine to coarse SAND with occasional mudstone lithorelics (MERCIA MUDSTONE GROUP)	
12.75-12.85	U							x x x x x x x x x x x x			
13	D							x x x x x x x x x x x x			
14	B							x x x x x x x x x x x x	15.00	Borehole complete at 15.00m	
14.45-14.55	D							x x x x x x x x x x x x			
15					50/85			x x x x x x x x x x x x			
16								x x x x x x x x x x x x			
17								x x x x x x x x x x x x			
18								x x x x x x x x x x x x			
19								x x x x x x x x x x x x			
20								x x x x x x x x x x x x			
21								x x x x x x x x x x x x			

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
22-06-09	08.00	0.00	0.00	0.00	-	14.5	15	01:00			Hand dug inspection pit to 1.20m bgl.
22-06-09	17.00	15.00	4.10	15.00	150						

All dimensions in metres Scale 1:68.75	Contractor : C&J Drilling Plant:Dando	Method: Cable Percussion Hole Size:150mm	Logged By: MM Approved By:
---	--	---	-------------------------------

Form SLR AGS3 UK BH File 402.0036.00451 AVONMOUTH EFW BHS.GPJ 01-09-09

# BOREHOLE LOG

BOREHOLE No.  
**BHC03**

Client:  
**VIRIDOR WASTE MANAGEMENT**



Project No:  
402-0036-00451

Date:  
19/06/09

Ground Level:

Co-ordinates:  
E353765 N181659

Project:  
**SEVERN ROAD RESOURCE RECOVERY CENTRE**

Sheet:  
1 of 2

SAMPLES & TESTS						STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N	Water	Reduced Level	Legend (Thick-ness)	Depth	
								XXXXXX	0.15	Grass over black sandy CLAY (MADE GROUND)
1								x x x x		Firm grey brown mottled black silty CLAY (ALLUVIUM)
1.20-1.65	U							x x x x	(2.05)	
1.65	D		56					x x x x		
2					2	1		x x x x	2.20	
2.00		0						x x x x		Very soft light grey mottled black silty CLAY (ALLUVIUM)
3								x x x x	(0.80)	
3.00	U		20					x x x x	3.00	
4								x x x x		Soft becoming very soft light grey occasionally mottled black slightly clayey SILT (ALLUVIUM)
4.00-5.00	P		3					x x x x		
5								x x x x	(4.95)	
6					2			x x x x		
6.00	D	0						x x x x		
6.00	J							x x x x		
6.00	V							x x x x		
7								x x x x		
7.50-7.95	U							x x x x		
8								x x x x	7.95	
8.00		135	5					x x x x	(1.05)	Very soft light grey occasionally mottled black sandy SILT (ALLUVIUM)
9								x x x x	9.00	
9.00-10.00	P							x x x x		Stiff light grey sandy CLAY (ALLUVIUM)
10								x x x x	(1.50)	
10.50-10.95	U		120					x x x x	10.50	
								x x x x		Loose red brown occasionally mottled light blue grey slightly clayey silty fine to coarse SAND (MERCIA MUDSTONE GROUP)

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
18-06-09	12.00	0.00	0.00	0.00	-						Hand dug inspection pit to 1.20m bgl.
18-06-09	17.00	5.00	2.82	5.00	150						
19-06-09	17.00	13.20	3.00	13.20	150						

All dimensions in metres Scale 1:68.75	Contractor : C&J Drilling Plant:Dando	Method: Cable Percussion Hole Size:150mm	Logged By: MM Approved By:
---	--	---	-------------------------------

Form SLR AGS3 UK BH File 402.0036.00451 AVONMOUTH EFW BHS.GPJ 01-09-09



# BOREHOLE LOG

BOREHOLE No.  
**BHC04**

Client:  
**VIRIDOR WASTE MANAGEMENT**



Project No:  
402-0036-00451

Date:  
17/06/09

Ground Level:

Co-ordinates:  
E353741 N181821

Project:  
**SEVERN ROAD RESOURCE RECOVERY CENTRE**

Sheet:  
1 of 2

SAMPLES & TESTS						STRATA				Instrument/ Backfill
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N	Water	Reduced Level	Legend (Thick-ness)	Depth	
0.50		0							(1.00)	Black grey sandy GRAVEL of ballast with occasional cobble to boulder size fragments (MADE GROUND) 0.20 Mottled orange brown.
1					17				(1.00)	Firm brown grey slightly gravelly silty CLAY (ALLUVIUM)
2		0			5				2.00	Soft grey occasionally mottled black slightly clayey SILT (ALLUVIUM)
3										
3.50-3.95	U									
4		30								
4.70-5.70	P									
5	D J V								(6.50)	
6					6					
7										
7.50-7.95	B									
8	U(NR)	50			8				8.50	
9										Soft to firm grey sandy slightly silty CLAY (ALLUVIUM)
10		40								
10.00	D									
10.00	J									
10.00	V									

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
15-06-09	10.00	0.00	0.00	0.00	-	1.2	1.5	00:45			Hand dug inspection pit to 1.20m bgl.
15-06-09	17.00	11.50	0.70	10.50	150						
16-06-09	17.00	16.50	7.50	15.00	150						

All dimensions in metres Scale 1:68.75	Contractor : C&J Drilling Plant:Dando	Method: Cable Percussion Hole Size:150mm	Logged By: MM Approved By:
---	--	---	-------------------------------

Form SLR AGS3 UK BH File 402.0036.00451 AVONMOUTH EFW BHS.GPJ 01-09-09

# BOREHOLE LOG

BOREHOLE No.  
**BHC04**

Client:  
**VIRIDOR WASTE MANAGEMENT**



Project No:  
402-0036-00451

Date:  
17/06/09

Ground Level:

Co-ordinates:  
E353741 N181821

Project:  
**SEVERN ROAD RESOURCE RECOVERY CENTRE**

Sheet:  
2 of 2

SAMPLES & TESTS						STRATA				Instrument/ Backfill	
Depth	Type No	HS(ppm)	HV(kPa)	PP(kPa)	SPT-N	Water	Reduced Level	Legend (Thickness)	Depth		DESCRIPTION
10.50-11.50	P								(6.00)	Soft to firm grey sandy slightly silty CLAY (ALLUVIUM) <i>(continued)</i>	
12 12.00		430									
13					14						
14									14.50		
15 15.00		40			51	↓			(1.00)	Very stiff red brown slightly gravelly sandy CLAY. Gravel is angular to sub-angular fine to coarse weak mudstone (MERCIA MUDSTONE GROUP)	
16					50/170				(1.00)	Very weak to weak red brown sandy MUDSTONE (MERCIA MUDSTONE GROUP)	
17									16.50	Borehole complete at 16.50m	
18											
19											
20											
21											

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks	
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To		
15-06-09	10.00	0.00	0.00	0.00	-							Hand dug inspection pit to 1.20m bgl.
15-06-09	17.00	11.50	0.70	10.50	150							
16-06-09	17.00	16.50	7.50	15.00	150							

All dimensions in metres Scale 1:68.75	Contractor : C&J Drilling Plant:Dando	Method: Cable Percussion Hole Size:150mm	Logged By: MM Approved By:
---	--	---	-------------------------------

Form SLR AGS3 UK BH File 402.0036.00451 AVONMOUTH EFW BHS.GPJ 01-09-09

# ROTARY CORED BOREHOLE LOG

BOREHOLE No

**BHR01**

Client:

**VIRIDOR WASTE MANAGEMENT**



Project No:

402-0036-00451

Date:

24/06/09

Ground Level:

Co-ordinates:

E353805 N181706

Project:

**SEVERN ROAD RESOURCE RECOVERY CENTRE**

Sheet:

1 of 5

RUN DETAILS					STRATA					Instrument/ Backfill
Depth	Core Run	TCR (SCR) RQD	Fracture Index/SPT	Test/Sample	Water Level	Reduced Level	Legend	Depth (Thickness)	Description	
1				WAC				(0.70)	Grey brown slightly sandy clayey fine to coarse sub-angular to sub-rounded GRAVEL of red brick and sandstone with occasional black staining (MADE GROUND)	
								0.70		
								(0.80)	Grey mottled brown mottled black slightly gravelly slightly sandy CLAY. Gravel is sub-angular to sub-rounded fine to coarse red brick sandstone and concrete (MADE GROUND)	
2								1.50	Firm to stiff grey mottled black silty slightly sandy CLAY (ALLUVIUM)	
3				5ppm WAC	↓ =					
4										
5				5ppm D J V WAC						
6										
7				0ppm WAC						
8										
9				5ppm WAC						
10										
										(13.50)

Drilling Progress and Water Obs.				Casing		Rotary Flush				General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. (mm)	From	To	Type	Returns	
19-06-09	08.00	0.00	0.00	0.00	-	0	16	Air		Hand dug inspection pit to 1.20m bgl.
19-06-09	17.00	15.00	15.00	15.00	-					
22-06-09	17.00	35.00	3.40	16.00	-					
23-06-09	17.00	45.00	3.60	16.00	-					
24-06-09	10.00	45.00	3.50	16.00	-					

All dimensions in metres Scale 1:68.75	Contractor : C&J Drilling Plant: Beretta T41	Method: Rotary Open Hole & Cored Hole Size: 92mm	Logged By: MM Approved By:
---	---	---	-------------------------------

Form SLR AGS3 UK RC V1A File 402.0036.00451 AVONMOUTH EFW BHS.GPJ 01-09-09



# ROTARY CORED BOREHOLE LOG

BOREHOLE No

**BHR01**

Client:

**VIRIDOR WASTE MANAGEMENT**



Project No:

402-0036-00451

Date:

24/06/09

Ground Level:

Co-ordinates:

E353805 N181706

Project:

**SEVERN ROAD RESOURCE RECOVERY CENTRE**

Sheet:

3 of 5

RUN DETAILS				STRATA					Instrument/ Backfill
Depth	Core Run	TCR (SCR) RQD	Fracture Index/SPT	Test/Sample	Water Level	Reduced Level	Legend	Depth (Thickness)	
22.00	↑	100	60				[Pattern]		Very weak to weak red brown occasionally mottled blue grey sandy MUDSTONE. Fractures are horizontal and sub-vertical planar and rough (MERCIA MUDSTONE GROUP) <i>(continued)</i> 22.00 Becomes strong. 22.00 - 35.00 Weathering grade II 22.95 - 23.00 Recovered as gravel.
23		(90)	150						
23.50	↓	70	200						
24	↑	75	20				[Pattern]		24.25 - 24.35 Recovered as slightly clayey gravel. 24.50 - 24.65 Recovered as slightly clayey gravel.
24		(60)	50						
25.00	↓	10	100						
26									
27									
28									
29									
30.00	↑	100	30				[Pattern]	(29.00)	30.00 - 30.10 Recovered as slightly clayey gravel. 30.40 - 30.53 Recovered as slightly clayey gravel. 30.53 - 30.62 Weak.
31		(60)	200						
31.50	↓	60	300						31.24 - 31.26 Recovered as gravel. 31.34 - 31.40 Recovered as slightly clayey gravel.
32	↑	75	10				[Pattern]		32.25 - 32.50 Recovered as gravel.
32		(50)	50						
	↓	20	100						

Form SLR AGS3 UK RC V1A File 402.0036.00451 AVONMOUTH EFW BHS.GPJ 01-09-09

Drilling Progress and Water Obs.				Casing		Rotary Flush				General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. (mm)	From	To	Type	Returns	
19-06-09	08.00	0.00	0.00	0.00	-					Hand dug inspection pit to 1.20m bgl.
19-06-09	17.00	15.00	15.00	15.00	-					
22-06-09	17.00	35.00	3.40	16.00	-					
23-06-09	17.00	45.00	3.60	16.00	-					
24-06-09	10.00	45.00	3.50	16.00	-					

All dimensions in metres Scale 1:68.75	Contractor : C&J Drilling Plant: Beretta T41	Method: Rotary Open Hole & Cored Hole Size: 92mm	Logged By: MM Approved By:
---	---	---	-------------------------------


<b>ROTARY CORED BOREHOLE LOG</b>				BOREHOLE No <b>BHR01</b>
Client: <b>VIRIDOR WASTE MANAGEMENT</b>				
Project No: 402-0036-00451	Date: 24/06/09	Ground Level:	Co-ordinates: E353805 N181706	
Project: <b>SEVERN ROAD RESOURCE RECOVERY CENTRE</b>				Sheet: 4 of 5

RUN DETAILS				STRATA					Instrument/ Backfill	
Depth	Core Run	TCR (SCR) RQD	Fracture Index/SPT	Test/Sample	Water Level	Reduced Level	Legend	Depth (Thickness)		Description
33.00									32.85 - 32.94 Recovered as gravel. Very weak to weak red brown occasionally mottled blue grey sandy MUDSTONE. Fractures are horizontal and sub-vertical planar and rough (MERCIA MUDSTONE GROUP) <i>(continued)</i>	
34										
35.00		100 (80) 80	10 200 400						35.00 - 35.40 Recovered as clayey gravel. 35.00 - 43.00 Weathering grade I	
36									35.68 - 35.87 Band of gypsum. 35.90 - 36.24 Gypsum veining.	
36.50									36.50 - 36.60 Recovered as clayey gravel.	
37		100 (95) 95	10 250 500						37.25 - 37.33 Band of gypsum.	
38.00										
39										
40.00		100 (80) 80	100 200 550						40.14 - 40.20 Recovered as clayey gravel. 40.55 - 40.60 Recovered as gypsum gravel. 40.67 - 40.70 Recovered as gravel. 40.90 Gypsum veining.	
41										
41.50										
42		100 (95) 95	200 350 400						41.90 - 42.00 Recovered as gravel.	
43.00										

Drilling Progress and Water Obs.				Casing		Rotary Flush				General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. (mm)	From	To	Type	Returns	
19-06-09	08.00	0.00	0.00	0.00	-					Hand dug inspection pit to 1.20m bgl.
19-06-09	17.00	15.00	15.00	15.00	-					
22-06-09	17.00	35.00	3.40	16.00	-					
23-06-09	17.00	45.00	3.60	16.00	-					
24-06-09	10.00	45.00	3.50	16.00	-					

All dimensions in metres Scale 1:68.75	Contractor : C&J Drilling Plant: Beretta T41	Method: Rotary Open Hole & Cored Hole Size: 92mm	Logged By: MM Approved By:
---	---	---	-------------------------------

Form SLR AGS3 UK RC V1A File 402.0036.00451 AVONMOUTH EFW BHS.GPJ 01-09-09

<b>ROTARY CORED BOREHOLE LOG</b>				BOREHOLE No <b>BHR01</b>
Client: <b>VIRIDOR WASTE MANAGEMENT</b>				
Project No: 402-0036-00451	Date: 24/06/09	Ground Level:	Co-ordinates: E353805 N181706	
Project: <b>SEVERN ROAD RESOURCE RECOVERY CENTRE</b>				Sheet: 5 of 5

RUN DETAILS					STRATA					Instrument/ Backfill
Depth	Core Run	TCR (SCR) RQD	Fracture Index/SPT	Test/ Sample	Water Level	Reduced Level	Legend	Depth (Thickness)	Description	
45							[Legend symbols]	45.00	Very weak to weak red brown occasionally mottled blue grey sandy MUDSTONE. Fractures are horizontal and sub-vertical planar and rough (MERCIA MUDSTONE GROUP) <i>(continued)</i>	
46									Borehole complete at 45.00m	
47										
48										
49										
50										
51										
52										
53										
54										

Drilling Progress and Water Obs.				Casing		Rotary Flush				General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. (mm)	From	To	Type	Returns	
19-06-09	08.00	0.00	0.00	0.00	-					Hand dug inspection pit to 1.20m bgl.
19-06-09	17.00	15.00	15.00	15.00	-					
22-06-09	17.00	35.00	3.40	16.00	-					
23-06-09	17.00	45.00	3.60	16.00	-					
24-06-09	10.00	45.00	3.50	16.00	-					

All dimensions in metres Scale 1:68.75	Contractor : C&J Drilling Plant: Beretta T41	Method: Rotary Open Hole & Cored Hole Size: 92mm	Logged By: MM	Approved By:
---	---	---	------------------	--------------

Form SLR AGS3 UK RC V1A File 402.0036.00451 AVONMOUTH EFW BHS.GPJ 01-09-09

<b>ROTARY CORED BOREHOLE LOG</b>				BOREHOLE No <b>BHR02</b>	
Client: <b>VIRIDOR WASTE MANAGEMENT</b>					
Project No: 402-0036-00451		Date: 16/06/09	Ground Level:		Co-ordinates: E353821 N181624
Project: <b>SEVERN ROAD RESOURCE RECOVERY CENTRE</b>					Sheet: 1 of 3



RUN DETAILS					STRATA					Instrument/ Backfill
Depth	Core Run	TCR (SCR) RQD	Fracture Index/SPT	Test/ Sample	Water Level	Reduced Level	Legend	Depth (Thickness)	Description	
1				100ppm D J V				0.40	Grass over black slightly sandy GRAVEL of ballast with occasional cobble and boulder size fragments (MADE GROUND)	
2								(2.60)	Brown mottled black sandy CLAY with occasional rootlets (ALLUVIUM)	
3								3.00		
4									Very soft grey slightly clayey SILT (ALLUVIUM)	
5				35ppm D J V	↓					
6										
7				35ppm						
8										
9				35ppm				(12.00)		
10										

Drilling Progress and Water Obs.				Casing		Rotary Flush				General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. (mm)	From	To	Type	Returns	
15-06-09	10.00	0.00	0.00	0.00	-	0	15	Air		
15-06-09	17.00	15.00	3.00	15.00	-					
16-06-09	17.00	30.00	4.40	15.00	-					

All dimensions in metres Scale 1:68.75	Contractor : C&J Drilling Plant:Beretta T41	Method: Rotary Open Hole & Cored Hole Size:92mm	Logged By: MM	Approved By:
---	--	--	------------------	--------------

Form SLR AGS3 UK RC V1A File 402.0036.00451 AVONMOUTH EFW BHS.GPJ 01-09-09



<b>ROTARY CORED BOREHOLE LOG</b>				BOREHOLE No <b>BHR02</b>	
Client: <b>VIRIDOR WASTE MANAGEMENT</b>					
Project No: 402-0036-00451		Date: 16/06/09	Ground Level:		Co-ordinates: E353821 N181624
Project: <b>SEVERN ROAD RESOURCE RECOVERY CENTRE</b>					Sheet: 3 of 3






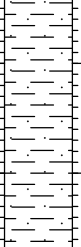
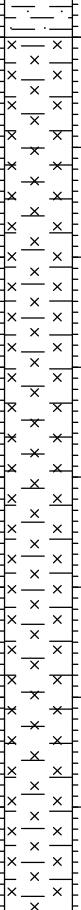
RUN DETAILS				STRATA					Instrument/ Backfill	
Depth	Core Run	TCR (SCR) RQD	Fracture Index/SPT	Test/ Sample	Water Level	Reduced Level	Legend	Depth (Thickness)		Description
23				40ppm				(12.80)	Strong red brown sandy MUDSTONE (MERCIA MUDSTONE GROUP) (continued) 22.00 - 22.05 Recovered as gravel.	
24				40ppm					24.00 - 24.05 Recovered as gravel.	
25.00									25.00 - 28.00 Weathering grade II 25.20 - 25.60 Recovered as gravel.	
26		90 (40) 401	5 10 15						26.00 - 26.05 Recovered as gravelly clay.	
26.50									26.70 - 26.90 Recovered as gravel.	
27		100 (90) 80	5 20 30						27.20 - 27.30 Recovered as gravelly clay.	
28.00										
29										
30								30.00	Borehole complete at 30.00m	
31										
32										

Drilling Progress and Water Obs.				Casing		Rotary Flush				General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. (mm)	From	To	Type	Returns	
15-06-09	10.00	0.00	0.00	0.00	-					Hand dug inspection pit to 1.20m bgl.
15-06-09	17.00	15.00	3.00	15.00	-					
16-06-09	17.00	30.00	4.40	15.00	-					

All dimensions in metres Scale 1:68.75		Contractor : C&J Drilling Plant:Beretta T41		Method: Rotary Open Hole & Cored Hole Size:92mm		Logged By: MM	Approved By:
---	--	--	--	--	--	------------------	--------------

Form SLR AGS3 UK RC V1A File 402.0036.00451 AVONMOUTH EFW BHS.GPJ 01-09-09

<b>ROTARY CORED BOREHOLE LOG</b>				BOREHOLE No <b>BHR03</b>
Client: <b>VIRIDOR WASTE MANAGEMENT</b>				
Project No: 402-0036-00451	Date: 18/06/09	Ground Level:	Co-ordinates: E353954 N181692	
Project: <b>SEVERN ROAD RESOURCE RECOVERY CENTRE</b>				Sheet: 1 of 3

RUN DETAILS						STRATA				Instrument/ Backfill
Depth	Core Run	TCR (SCR) RQD	Fracture Index/SPT	Test/ Sample	Water Level	Reduced Level	Legend	Depth (Thickness)	Description	
1 2 3 4 5 6 7 8 9 10					↓			0.40	Black sandy GRAVEL of coal slag (MADE GROUND)	
								(2.60)	Stiff grey brown mottled black slightly sandy CLAY with occasional rootlets (ALLUVIUM)	
								(12.00)	Soft to firm grey slightly clayey SILT with moderate organic odour (ALLUVIUM)	
					0ppm D J V					
					0ppm					
					0ppm					
					0ppm					
					0ppm					
					0ppm					
					0ppm					

Drilling Progress and Water Obs.				Casing		Rotary Flush				General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. (mm)	From	To	Type	Returns	
										Hand dug inspection pit to 1.20m bgl.

All dimensions in metres Scale 1:68.75	Contractor : C&J Drilling Plant:Beretta T41	Method: Rotary Open Hole & Cored Hole Size:92mm	Logged By: MM	Approved By:
---	--	--	------------------	--------------

Form SLR AGS3 UK RC V1A File 402.0036.00451 AVONMOUTH EFW BHS.GPJ 01-09-09



<b>ROTARY CORED BOREHOLE LOG</b>				BOREHOLE No <b>BHR03</b>	
Client: <b>VIRIDOR WASTE MANAGEMENT</b>					
Project No: 402-0036-00451		Date: 18/06/09	Ground Level:		Co-ordinates: E353954 N181692
Project: <b>SEVERN ROAD RESOURCE RECOVERY CENTRE</b>					Sheet: 3 of 3



RUN DETAILS				STRATA					Instrument/ Backfill		
Depth	Core Run	TCR (SCR) RQD	Fracture Index/SPT	Test/ Sample	Water Level	Reduced Level	Legend	Depth (Thickness)		Description	
22.00									Strong grey blue mottled red brown sandy MUDSTONE. Fractures are horizontal and sub-vertical planar and rough (MERCIA MUDSTONE GROUP) <i>(continued)</i>		
23											
24											
25								(11.00)			
26											
27.00											
28		60 (30) 20	50 60 90								27.70 - 27.90 Recovered as gravel.
28.50											28.10 - 28.25 Recovered as gravel.
29		100 (90) 60	50 150 300								29.10 - 29.15 Recovered as gravel.
30.00								30.00			29.75 - 29.80 Recovered as slightly clayey sandy gravel.
31									Borehole complete at 30.00m		
32											

Drilling Progress and Water Obs.				Casing		Rotary Flush				General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. (mm)	From	To	Type	Returns	
										Hand dug inspection pit to 1.20m bgl.

All dimensions in metres Scale 1:68.75		Contractor : C&J Drilling Plant: Beretta T41		Method: Rotary Open Hole & Cored Hole Size: 92mm		Logged By: MM	Approved By:
---	--	---	--	---	--	------------------	--------------

Form SLR AGS3 UK RC V1A File 402.0036.00451 AVONMOUTH EFW BHS.GPJ 01-09-09

<b>ROTARY CORED BOREHOLE LOG</b>				BOREHOLE No <b>BHR04</b>	
Client: <b>VIRIDOR WASTE MANAGEMENT</b>					
Project No: 402-0036-00451	Date: 25/06/09	Ground Level:	Co-ordinates: E353826 N181730		
Project: <b>SEVERN ROAD RESOURCE RECOVERY CENTRE</b>				Sheet: 1 of 2	

RUN DETAILS						STRATA				Instrument/ Backfill
Depth	Core Run	TCR (SCR) RQD	Fracture Index/SPT	Test/ Sample	Water Level	Reduced Level	Legend	Depth (Thickness)	Description	
1					↓			(1.50)	Grey brown slightly sandy clayey fine to coarse sub-angular to sub-rounded GRAVEL of ballast sandstone and red brick (MADE GROUND)	
2								1.50	Firm grey mottled brown becoming light grey slightly sandy silty CLAY (ALLUVIUM)	
3										
4										
5										
6										
7									7.00 Becomes very soft to soft and sandy.	
8								(13.50)		
9										
10										

Drilling Progress and Water Obs.				Casing		Rotary Flush				General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. (mm)	From	To	Type	Returns	Hand dug inspection pit to 1.20m bgl.
24-06-09	10.00	0.00	0.00	0.00	-	0	16.5	Air mist		
24-06-09	17.00	16.50		16.50						

All dimensions in metres Scale 1:68.75	Contractor : C&J Drilling Plant: Beretta T41	Method: Rotary open hole Hole Size: 92mm	Logged By: MM Approved By:
---	---	---	-------------------------------

Form SLR AGS3 UK RC V1A File 402.0036.00451 AVONMOUTH EFW BHS.GPJ 01-09-09

