

CARAGORY 'A' INERT / INACTIVE - WASTE MOVEMENT / DISPOSAL RECORD SHEET

Fox Construction

[illegible]

* 1 x Builders Skip (8yd) = Approx 5m³ , * 1 m³ = Approx 1.75 Ton * 20 Ton Load = Approx 11m³ (These Figures are for guidance only)

SKIP'S



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CATEGORY 'A' INERT / INACTIVE - WASTE MOVEMENT / DISPOSAL RECORD SHEET

Waste disposal register - the following movements of waste have taken place as detailed;										
Date Of Waste Movement	Type (Enter number(s) or letter(s) see cover page)	Reuse, Recyclable Or For Landfill / Disposal (Please Indicate Quantities m3, tonnes or lt)			EWC Code (see SWMP for advice) (Carrier must indicate code on transfer note)	Type of Transport (Tipper, Skip, Tanker etc.)	Area Of Site Waste Removed From (e.g. tank excavation, Interceptor excavation etc.)	Disposal Site Waste Being Transported To (Haulier <u>must</u> supply this information before leaving site with load) (This information MUST match entry on cover page)	Waste Carriers Name (Refer to cover page for carriers license No)	Waste Duty of Care or Transfer Note Serial No. (No load can leave site without this being received)
		Reuse	Recycle	Landfill Disposal						
	ABCEFG		5m ³		170904	SKIP	Site waste.	250 Tonsington Rd - Luton	Three Shires Waste	19639
	ABCEFG		5m ³		170904	SKIP	Site Waste	✓	"	19625
16/7/13	ABCEFG		5m ³		170904	SKIP	Site Waste	✓	"	19683
17/7/13	ABCEFG		5m ³		17/09/04	SKIP	Site Waste	✓	✓	19730
21/5/13			5m ³		170904	SKIP	Site Waste	✓	✓	18885
24/7/13			5m ³		170904	SKIP	Site Waste	✓	✓	19963
30/7/13			5m ³		170904	SKIP	Site Waste	✓	✓	18919
31/7/13			5m ³		17-09-04	SKIP	Site Waste	✓	✓	18941
2/8/13			5m ³		170904	SKIP	Site Waste	✓	✓	
6/8/13			5m ³		170904	SKIP	"	✓	✓	
8/8/13			5m ³		170904	SKIP	"	✓	✓	

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Fox Construction

WASTE MOVEMENT / DISPOSAL RECORD SHEET

Waste disposal register - the following movements of waste have taken place as detailed;

Date Of Waste Movement	Type (Enter number(s) or letter(s) see cover page)	Reuse, Recyclable Or For Landfill / Disposal (Please Indicate Quantities m3, tonnes or lt)			EWC Code (see SWMP for advice) (Carrier must indicate code on transfer note)	Type of Transport (Tipper, Skip, Tanker etc.)	Area Of Site Waste Removed From (e.g. tank excavation, Interceptor excavation etc.)	Disposal Site Waste Being Transported To (Haulier must supply this information before leaving site with load) (This information MUST match entry on cover page)	Waste Carriers Name (Refer to cover page for carriers license No)	Waste Duty of Care or Transfer Note Serial No. (No load can leave site without this being received)
		Reuse	Recycle	Landfill Disposal						
20/05/13	H		✓ 11m ³		170504	8w-Tipper	Tank Excavation	FCC/Bletchley	Thomas Bros	0101115
20/05/13	H		11M ³		170504	8w-Tipper	Tank Excavation	FCC/Bletchley	Thomas Bros	0101401
20/05/13	H		11M ³		170504	8w-Tipper	Tank Excavation	FCC/Bletchley	Thomas Bros	0101402
20/05/13	H		11M ³		170504	8w-Tipper	Tank Excavation	FCC/Bletchley	Thomas Bros	0104951
20/05/13	H		11M ³		170504	8w-Tipper	Tank Excavation	FCC/Bletchley	Thomas Bros	0104952
20/05/13	H		11M ³		170504	8w-Tipper	Tank Excavation	FCC/Bletchley	Thomas Bros	0104953
20/05/13	H		11M ³		170504	8w-Tipper	Tank Excavation	FCC/Bletchley	Thomas Bros	0112351
20/05/13	H		11M ³		170504	8w-Tipper	Tank Excavation	FCC/Bletchley	Thomas Bros	0112352
20/05/13	H		11M ³		170504	8w-Tipper	Tank Excavation	FCC/Bletchley	Thomas Bros	0114852
20/05/13	H		11M ³		170504	8w-Tipper	Tank Excavation	FCC/Bletchley	Thomas Bros	0114901
20/05/13	H		11M ³		170504	8w-Tipper	Tank Excavation	FCC/Bletchley	Thomas Bros	0114902
21/05/13	H		11M ³		170504	8w-Tipper	Tank Excavation	FCC/Bletchley	Thomas Bros	0112363
21/05/13	H		11M ³		170504	8w-Tipper	Tank Excavation	FCC/Bletchley	Thomas Bros	0114903
21/05/13	H		11M ³		170504	8w-Tipper	Tank Excavation	FCC/Bletchley	Thomas Bros	0104954
21/05/13	H		11M ³		170504	8w-Tipper	Tank Excavation	FCC/Bletchley	Thomas Bros	0101403
21/05/13	H		11M ³		170504	8w-Tipper	Tank Excavation	FCC/Bletchley	Thomas Bros	0101408

* 1 x Builders Skip (8yd) = Approx 5m³ , * 1 m³ = Approx 1.75 Ton * 20 Ton Load = Approx 11m³ (These Figures are for guidance only)



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CATEGORY B NON HAZ / ACTIVE - WASTE MOVEMENT /DISPOSAL RECORD SHEET

Waste disposal register - the following movements of waste have taken place as detailed;										
Date Of Waste Movement	Type (Enter number(s) or letter(s) see cover page)	Reuse, Recyclable Or For Landfill / Disposal (Please Indicate Quantities m3, tonnes or lt)			EWC Code (see SWMP for advice) (Carrier must indicate code on transfer note)	Type of Transport (Tipper, Skip, Tanker etc.)	Area Of Site Waste Removed From (e.g. tank excavation, Interceptor excavation etc.)	Disposal Site Waste Being Transported To (Haulier <u>must</u> supply this information before leaving site with load) (This information MUST match entry on cover page)	Waste Carriers Name (Refer to cover page for carriers license No)	Waste Duty of Care or Transfer Note Serial No. (No load can leave site without this being received)
		Reuse	Recycle	Landfill Disposal						
21/05/13	H		11 M ³		170504	8W-Tipper	Tank Excavation	FCC/Bletchley	Thomas Bros	0112364
21/05/13	H		11 M ³		170504	8W-Tipper	Tank Excavation	FCC-Bletchley	Thomas Bros	0104955
21/05/13	H		11 M ³		170504	8W-Tipper	Tank Excavation	FCC-Bletchley	Thomas Bros	0114853
21/05/13	H		11 M ³		170504	8W-Tipper	Tank Excavation	FCC-Bletchley	Thomas Bros	0101404
21/05/13	H		11 M ³		170504	8W-Tipper	Tank Excavation	FCC-Bletchley	Thomas Bros	0101409
21/05/13	H		11 m ³		170504	8W-Tipper	Tank Excavation	FCC-Bletchley	Thomas Bros	0114904
21/05/13	H		11 M ³		170504	8W-Tipper	Tank Excavation	FCC-Bletchley	Thomas Bros	0104965
21/05/13	H		11 M ³		170504	8W-Tipper	Tank Excavation	FCC-Bletchley	Thomas Bros	0104966
22/05/13	H		11 m ³		170504	8W-Tipper	Tank Excavation	FCC-Bletchley	Thomas Bros	0104957
22/05/13	H		11 M ³		170504	8W-Tipper	Tank Excavation	FCC-Bletchley	Thomas Bros	0104967
22/05/13	H		11 M ³		170504	8W-Tipper	Tank Excavation	FCC-Bletchley	Thomas Bros	0101410
22/05/13	H		11 m ³		170504	8W-Tipper	Tank Excavation	FCC-Bletchley	Thomas Bros	0104956
22/05/13	H		11 M ³		170504	8W-Tipper	Tank Excavation	FCC-Bletchley	Thomas Bros	0112365
22/05/13	H		11 m ³		170504	8W-Tipper	Tank Excavation	FCC-Bletchley	Thomas Bros	0101406
22/05/13	H		11 M ³		170504	8W-Tipper	Tank Excavation	FCC-Bletchley	Thomas Bros	0112366
22/05/13	H		11 M ³		170504	8W-Tipper	Tank Excavation	FCC-Bletchley	Thomas Bros	0114854

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ACTIVE - WASTE MOVEMENT / DISPOSAL RECORD SHEET

Waste disposal register - the following movements of waste have taken place as detailed;										
Date Of Waste Movement	Type (Enter number(s) or letter(s) see cover page)	Reuse, Recyclable Or For Landfill / Disposal (Please Indicate Quantities m3, tonnes or lt)			EWC Code (see SWMP for advice) (Carrier must indicate code on transfer note)	Type of Transport (Tipper, Skip, Tanker etc.)	Area Of Site Waste Removed From (e.g. tank excavation, Interceptor excavation etc.)	Disposal Site Waste Being Transported To (Haulier must supply this information before leaving site with load) (This information MUST match entry on cover page)	Waste Carriers Name (Refer to cover page for carriers license No)	Waste Duty of Care or Transfer Note Serial No. (No load can leave site without this being received)
		Reuse	Recycle	Landfill Disposal						
22/05/13	H		11m ³		170504	8W-Tipper	Tank Excavation	FCC-Bletchley	Thomas Bros	0112353
22/05/13	H		11m ³		170504	8W-Tipper	Tank Excavation	FCC-Bletchley	Thomas Bros	0101407
22/05/13	H		11m ³		170504	8W-Tipper	Tank Excavation	FCC-Bletchley	Thomas Bros	0101411
22/05/13	H		11m ³		170504	8W-Tipper	Tank Excavation	FCC-Bletchley	Thomas Bros	0112367
22/05/13	H		11m ³		170504	8W-Tipper	Tank Excavation	FCC-Bletchley	Thomas Bros	0104958
06/06/13	H		11m ³		170504	8W-Tipper	Tank Excavation	FCC-Bletchley	Thomas Bros	0101412
6/06/13	H		11m ³		170504	8W-Tipper	Tank Excavation	FCC-Bletchley	Thomas Bros	0101413
10/6/13	H		12m ³		170504	8W-Tipper	Tank Excavation	FCC-Bletchley	Thomas Bros	0101468
10/6/13	H		11m ³		170504	8W-Tipper	Tank Excavation	FCC-Bletchley	Thomas Bros	0104970
11/6/13	H		11m ³		170504	8W-Tipper	Tank Excavation	FCC-Bletchley	Thomas Bros	0101415
11/6/13	H		11m ³		170504	8W-Tipper	Tank Excavation	FCC-Bletchley	Thomas Bros	0104971
11/6/13	H		11m ³		170504	8W-Tipper	Tank Excavation	FCC-Bletchley	Thomas Bros	0104972
26/06/13	H		11m ³		170504	8W-Tipper	Forecourt Strip	FCC/Bletchley	Thomas Bros	0114906
26/06/13	H		11m ³		170504	8W-Tipper	Forecourt Strip	FCC/Bletchley	Thomas Bros	0114907
26/06/13	H		11m ³		170504	8W-Tipper	Forecourt Strip	FCC/Bletchley	Thomas Bros	0114908
26/06/13	H		11m ³		170504	8W-Tipper	Forecourt Strip	FCC/Bletchley	Thomas Bros	0114909

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- WASTE MOVEMENT / DISPOSAL RECORD SHEET

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		Reuse	Recycle	Landfill Disposal						
26/06/13	H		11m ³		170504	8W-Tipper	Forecourt Strip	FCC/Bletchley	Thomas Bros	0114910
26/06/13	H		11m ³		170504	8W-Tipper	Forecourt Strip	FCC/Bletchley	Thomas Bros	0114911
26/06/13	H		11m ³		170504	8W-Tipper	Forecourt Strip down	FCC/Bletchley	Thomas Bros	0114912
26/06/13	H		11m ³		170504	8W-Tipper	Forecourt Strip down	FCC/Bletchley	Thomas Bros	0114913
26/06/13	H		11m ³		170504	8W-Tipper	Forecourt Strip down	FCC/Bletchley	Thomas Bros	0114914
26/06/13	H		11m ³		170504	8W-Tipper	Forecourt Strip down	FCC/Bletchley	Thomas Bros	0114915
26/06/13	H		11m ³		170504	8W-Tipper	Forecourt Strip down	FCC/Bletchley	Thomas Bros	0114916
26/06/13	H		11m ³		170504	8W-Tipper	Forecourt Strip Down	FCC/Bletchley	Thomas Bros	0114917
26/06/13	H		12m ³		170504	8W-Tipper	Forecourt Strip Down	FCC/Bletchley	Thomas Bros	0114918
26/06/13	H		11m ³		170504	8W-Tipper	Forecourt Strip down	FCC/Bletchley	Thomas Bros	0114919
26/06/13	H		11m ³		170504	8W-Tipper	Forecourt Strip Down	FCC/Bletchley	Thomas Bros	0114920
26/06/13	H		11m ³		170504	8W-Tipper	Forecourt Strip Down	FCC/Bletchley	Thomas Bros	0114921
04/07/13	H		11m ³		170504	8W-Tipper	Forecourt Area	FCC/Bletchley	Thomas Bros	0114922
04/07/13	H		11m ³		170504	8W-Tipper	Forecourt Area	FCC/Bletchley	Thomas Bros	0114923

* 1 x Builders Skip (8yd) = Approx 5m³ , * 1 m³ = Approx 1.75 Ton * 20 Ton Load = Approx 11m³ (These Figures are for guidance only)



CATEGORY 'C' HAZARDOUS - WASTE MOVEMENT /DISPOSAL RECORD SHEET

Fox Construction

[illegible]

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Fox Construction

Waste disposal register - the following movements of waste have taken place as detailed;

[illegible]

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Appendix G - Imported Material Certificates

Plant	415-Mountsorrel	Signature	_____
Product	54010/1-0/32MM TYPE1 GRANULAR SUB-BASE	Title	_____
Sample No	125409206	Report Date	20/03/2013
Date Sampled	15/03/2013 10:39		

Procedure	Sieve/Test	Result	Unit	54010/1 0/32MM TYPE 1 GRANULAR SUB-BASE
	125mm	100	%	
	80mm	100	%	
	63mm	100	%	100-100
	40mm	100	%	
	31.5mm	99	%	75-100
	20mm	73	%	
	16mm	61	%	48-78
	14mm	57	%	
	10mm	47	%	
	8mm	41	%	27-57
	6.3mm	38	%	
	4mm	32	%	14-44
	2.8mm	29	%	
	2mm	26	%	7-33
	1mm	20	%	8-28
	0.5mm	15	%	
	0.25mm	12	%	
	0.125mm	9	%	
	63um	6.9	%	0-9
	Pan	0.0	%	
	Grad Loss	0.0	%	
BS EN1097-5	Total Moisture	3.61	%	
TYPE1,2&4	Grd Consistency (16-8mm)	20	%	7-30
TYPE1,2&4	Grd Consistency (8-4mm)	9	%	7-30

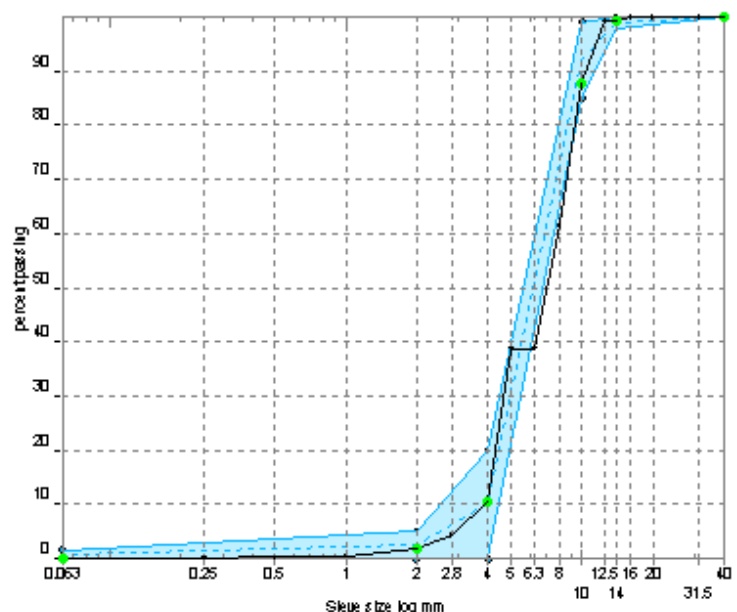
Plant	771-Panshanger	Signature	_____
Product	4/10MM GRAVEL-AGGREGATE	Title	_____
Sample No	147826512	Report Date	04/04/2013
Date Sampled	21/03/2013 08:36		

Procedure	Sieve/Test	Result	Unit	57730/5 4/10MM CONCRETE AGGREGATE GC85/20
	31.5mm	100	%	
	25mm	100	%	
	20mm	100	%	100-100
	14mm	100	%	98-100
	10mm	94	%	85-99
	6.3mm	28	%	
	4mm	3	%	0-20
	2.8mm	1	%	
	2mm	1	%	0-5
	1mm	1	%	
	63um	0.1	%	0-1.5
	Pan	0.0	%	
	Grad Loss	0.0	%	
BS EN1097-5	Total Moisture	3.76	%	

[illegible]

Material type: Drystone aggregate Test method: Dry grading to BS EN 933-1: 2012

Sample number	CENE14191AGG		
Sample Origin	CURRENT	Ticket No.	-
Sampler	MC5414	Site/Client Address	-
Your Sample Ref.	336144	Aggregate type	10MM
Oven No.(Lab only)	23	Tag No.(Lab only)	180



Signed _____ Date / /2013

Appendix H - Borehole Logs

Borehole Log

Project Name and Site Location Shell Hitchin			Client Shell UK Oil Products		BOREHOLE No MW102
Job No 46370079	Date Start Date 12-08-13 End Date 13-08-13	Ground Level (m)	Co-Ordinates ()		
Contractor		Method / Plant Used			Sheet 1 of 2

Depth BGL	Sample / Test Details	PID (ppm)	Water	STRATA				Depth (Installation)	Installation
				Legend	Depth (Thickness)	DESCRIPTION	COMMENTS		
					0.20	TARMAC.	Dry NVO		
					(0.55)	MADE GROUND. Light brown gravelly clayey sand. Gravel size is fine to medium, sub-angular to round and of natural stone and concrete fragments. Colour change at 0.7m, a bank of black.	Dry NVO	0.30	
					0.75				
					(0.85)	Soft orange/ brown sandy SILT.	Dry NVO		
					1.60				
					(0.70)	Soft medium light brown with white/cream motting sandy CLAY. Sand is fine.	Dry NVO		
					2.30				
					2.60	Soft orange/ brown silty gravelly SAND. Sand is fine to coarse, gravel is fine to medium, sub rounded to rounded of flint with occasional chalk gravels.	Dry NVO		
					(1.50)	Soft orange/ brown SAND. Sand is fine to coarse.	Dry NVO		
					4.10				
					(1.90)	Soft orange/ brown SAND. Sand is fine to coarse.	Dry NVO		
					6.00				
					(1.00)	Soft reddish/ orange occasionally gravelly SAND. Gravel is fine, angular of chalk and flint.	Dry NVO		
					7.00				
					7.30	Black gravelly SAND. Sand is fine to coarse, gravel is fine, angular and of chalk fragments and small flints.	Black. Hydrocarbon odour.		
					(0.70)	Soft light brown/ dark green/ black sandy silty CLAY. Sand is fine to coarse.	Very wet. Some black staining in sand bands. Mild hydrocarbon odour.		
					8.00				

Backfill		Sample Details		Legend		GENERAL REMARKS
Cement seal riser	Bentonite seal riser	Filter pack riser	Filter pack screen	Small Disturbed Sample	Tarmac Sandy Silt Silty/Clayey Gravelly SAND Gravelly SAND Groundwater Table Made Ground (Fill) Sandy CLAY Clayey SAND Silty CLAY Groundwater Strike	
Logged By		EM		Approved By		JW

Borehole Log

Project Name and Site Location Shell Hitchin			Client Shell UK Oil Products		BOREHOLE No MW102
Job No 46370079	Date Start Date 12-08-13 End Date 13-08-13	Ground Level (m)	Co-Ordinates ()		
Contractor		Method / Plant Used		Sheet 2 of 2	

[illegible]

Backfill		Sample Details	Legend		GENERAL REMARKS	
 Cement seal riser  Bentonite seal riser  Filter pack riser  Filter pack screen	 Small Disturbed Sample	 Tarmac  Sandy Silt  Silty/Clayey Gravelly SAND  Gravelly SAND  Groundwater Table	 Made Ground (Fill)  Sandy CLAY  Clayey SAND  Silty CLAY  Groundwater Strike			
			Logged By	EM	Approved By	JW

EXPLORATORY HOLE LOG

Project Name and Site Location Shell Hitchin			Client Shell UK Oil Products Ltd		BOREHOLE No BH102A
Job No 46370079	Date Start Date 13-02-12 End Date 16-02-12	Ground Level (m) 70.83	Co-Ordinates () E 517,936.67 N 229,836.99		
Contractor Tor Drilling Ltd		Method / Plant Used Vacuum Extraction and Comacchio GEO 250			Sheet 1 of 2

Depth	Sample / Test Details	PID (ppm)	Water	STRATA			Installation / Backfill
				Legend	Depth (Thickness)	DESCRIPTION	
70.5		0.9			0.20	Concrete	
0.5		0.6			0.50	MADE GROUND: Light orange-brown silty gravelly sand. Sand is fine. Gravel is fine to coarse rounded to subangular chalk and flint.	Dry. NVO.
70.0		0.7			0.90	MADE GROUND: Light orange-brown very gravelly sandy silt. Sand is fine. Gravel is fine to coarse rounded to subangular chalk, flint and brick.	Dry. NVO.
1.0						Orange-brown silty SAND. Sand is fine to medium. Gravelly and slightly silty from 1.1m bgl.	Dry. NVO.
1.5							
69.5							
2.0		<0.1			(1.70)		
69.0							
2.5					2.60		
68.5							
3.0		<0.1				Light brown and orange-brown slightly gravelly SAND. Sand is coarse. Gravel is fine rounded to subrounded natural stone and chalk. Not gravelly from 2.9m bgl.	Dry. NVO.
68.0							
3.5		0.2			(1.65)	Medium-grained sand from 3.4m bgl.	
67.5							
4.0							
67.0							
4.5		<0.1			4.25	Orange-brown only from 4.15m bgl.	
66.5		0.3			4.50	Firm orange-brown SILT. Dark grey-black from 4.45m bgl.	Wet. NVO.
5.0		<0.1				Orange-brown silty SAND and GRAVEL. Sand is fine to medium. Gravel is fine to coarse rounded to subrounded flint.	Organic odour from 4.45m bgl.
66.0					(1.20)		Dry. NVO.
5.5							
65.5					5.70		
6.0	BH102A_5.7-6.1	0.2			(0.50)	Orange-brown and light brown slightly silty SAND. Sand is fine.	Dry. NVO.
65.0					6.20		
6.5		8.8				Firm brown very sandy SILT. Sand is fine.	Wet. Slight hydrocarbon odour.
64.5							
7.0		1089			(1.00)	Also orange-brown in colour from 6.7m bgl.	Strong hydrocarbon odour from 6.6m bgl.
64.0							
7.5		3987			7.20	Brown-grey silty SAND. Sand is medium to coarse.	Moist. Strong hydrocarbon odour.
63.5		228					Slight hydrocarbon odour from 7.4m bgl.
8.0		85.5					Stained dark grey from 7.5 to 7.9m bgl.
63.0		26.1			(2.10)		NVO from 7.9m bgl.
8.5						Occasional fine subrounded chalk gravel from 8.5m bgl.	
62.5		5.2					
9.0							
62.0							
9.30							

WELL INSTALLATION DETAILS		LEGEND		GENERAL REMARKS
Cement seal riser	Bentonite/Grout Mix	Concrete	Made Ground	
Bentonite seal riser	Filter pack riser	Silty Sand	Gravelly Sand	Vacuum extraction to 1.2m bgl. Hollow stem from 1.2 to 14.4m bgl. Installed as monitoring well with 50mm OD HDPE, 1mm slotted from 11.5m bgl to 13.6m bgl. 3-6mm gravel filter pack. Groundwater strike unclear during drilling. Groundwater at 7m bgl after 20 mins. NVO = No visual or olfactory evidence of impact. m bgl = metres below ground level. Borehole backfilled with bentonite to top of chalk.
Filter pack screen	Bentonite: Bottom of hole/well	Silt	SAND & GRAVEL with silt	
SAMPLE TYPE DETAILS		Sandy Silt	Clay	
Environmental Sample		Gravelly Silt	NVO - No Visual or Olfactory Evidence of Contamination	
		Groundwater Table	Water Strike	
		bgl = Below Ground Level		
Logged By		BSS		Approved By
				BKS

EXPLORATORY HOLE LOG

Project Name and Site Location Shell Hitchin			Client Shell UK Oil Products Ltd		BOREHOLE No BH102A
Job No 46370079	Date Start Date 13-02-12 End Date 16-02-12	Ground Level (m) 70.83	Co-Ordinates () E 517,936.67 N 229,836.99		
Contractor Tor Drilling Ltd		Method / Plant Used Vacuum Extraction and Comacchio GEO 250			Sheet 2 of 2

Depth	Sample / Test Details	PID (ppm)	Water	STRATA			
				Legend	Depth (Thickness)	DESCRIPTION	COMMENTS
9.5		0.8		x x x	9.70	Firm orange-brown sandy SILT. Sand is fine to medium.	Wet. NVO.
61.0		0.2		x x x	9.80	Orange-brown slightly silty SAND. Sand is fine to medium.	Wet. NVO.
10.0		0.5		x x x	10.00	Firm orange-brown sandy SILT. Sand is fine to medium.	Wet. NVO.
60.5						Stiff brown and orange-brown CLAY.	Dry. NVO.
10.5					(1.30)		
60.0							
11.0							
59.5		<0.1		x o x	11.30	Firm to stiff orange-brown gravelly SILT. Gravel is medium to coarse rounded to subrounded flint.	Moist. NVO.
11.5				x o x			
59.0				x o x			
12.0		<0.1		x o x	(1.60)	Sandy (medium to coarse-grained) with fine to coarse subrounded to angular gravel of weak chalk from 11.9m bgl.	
58.5				x o x		Very sandy and no flint gravel from 12.0m bgl.	
12.5				x o x			
58.0				x o x	12.90		
13.0		<0.1		x o x	13.20	Orange-brown very silty SAND. Sand is medium to coarse.	Moist. NVO.
57.5	BH102A_13.2	<0.1		x o x	13.30	Dark orange-brown SAND. Sand is medium to coarse.	Wet. NVO.
13.5	BH102A_13.6-14.0	<0.1		x o x	13.60	Soft orange-brown gravelly SILT. Gravel is fine to medium rounded to subrounded flint.	Wet. NVO.
57.0				x o x		Structureless CHALK composed of stiff white SILT.	Dry. NVO.
14.0				x o x	(0.60)		
56.5				x o x	14.20	Weak medium density white CHALK.	Dry. NVO.
				x o x	14.40	Borehole terminated at 14.4m bgl. Refusal on chalk.	

WELL INSTALLATION DETAILS		LEGEND		GENERAL REMARKS
 Cement seal riser	 Bentonite/Grout Mix	 Concrete	 Made Ground	
 Bentonite seal riser	 Filter pack riser	 Silty Sand	 Gravelly Sand	
 Filter pack screen	 Bentonite: Bottom of hole/well	 Silt	 SAND & GRAVEL with silt	
SAMPLE TYPE DETAILS		 Sandy Silt	 Clay	
 Environmental Sample		 Gravelly Silt	 NVO - No Visual or Olfactory Evidence of Contamination	
		 Groundwater Table	 Water Strike	
		bgl = Below Ground Level		
		Logged By	BSS	
		Approved By		
		BKS		

Monitoring Well Log

Project Name and Site Location Shell Hitchin			Client Shell UK Oil Products Ltd		BOREHOLE No BH103
Job No 46370079	Date Start Date 27-09-11 End Date 29-09-11	Ground Level (m)	Co-Ordinates ()		
Contractor Glover		Method / Plant Used Vacex and Hollow Stem Auger			Sheet 1 of 2

Depth BGL	Sample / Test Details	PID (ppm)	Water	STRATA			Instrument / Backfill
				Legend	Depth (Thickness)	DESCRIPTION	
0.30					0.30	Concrete and rebar	
0.5		<0.1			(0.80)	MADE GROUND: Brown sandy gavel. Gravels are brick, clinker and concrete.	Dry, NVO
1.0	BH103_1.0	<0.1			1.10		
1.5		0.4				Orange/brown fine to medium SAND.	Dry, NVO
2.0	BH103_1.8 N=18 BH103_2.0	<0.1			(1.40)		
2.5					2.50		
3.0		0.7				Dark orange/brown SAND and GRAVELS. Sand is fine to coarse, gravel is subangular to angular of chalk.	Dry, NVO
3.5	BH103_3.2				(2.00)		
4.0	BH103_3.6 N=23 BH103_4.0	0.9			4.50		
4.5					(0.50)	Orange/brown silty SAND.	Dry, NVO
5.0		0.3			5.00		
5.5	BH103_5.4 N=41				(0.40)	Orange/grey/brown sandy SILT.	Dry, NVO
6.0	BH103_6.0	0.2			5.40		
6.5					(0.60)	Orange/brown SAND and GRAVELS. Gravel is chalk and flint.	Dry, NVO
7.0		1.6			6.00		
7.5	BH103_7.2 N=15				(3.00)	Orange/grey brown sandy SILT.	Dry, NVO
8.0						Becoming wet at 7.1m bgl	Wet, NVO

Backfill		Sample Details		Legend		GENERAL REMARKS
Cement seal riser	Bentonite seal riser	Environmental Sample	Standard Penetration Test	Concrete	Made Ground	
Filter pack riser	Filter pack screen	Small Disturbed Sample		Sand	Gravelly Sand	m bgl = metres below ground level NVO = No visual or olfactory evidence of contamination.
				Silty Sand	Sandy Silt	
				Groundwater Table	Groundwater Strike	
Logged By			JT		Approved By	BS

Monitoring Well Log

Project Name and Site Location Shell Hitchin			Client Shell UK Oil Products Ltd		BOREHOLE No BH103
Job No 46370079	Date Start Date 27-09-11 End Date 29-09-11	Ground Level (m)	Co-Ordinates ()		
Contractor Glover		Method / Plant Used Vacex and Hollow Stem Auger		Sheet 2 of 2	

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Backfill  Cement seal riser  Bentonite seal riser  Filter pack riser  Filter pack screen		Sample Details  Environmental Sample  Standard Penetration Test  Small Disturbed Sample	Legend  Concrete  Made Ground  Sand  Gravelly Sand  Silty Sand  Sandy Silt  Groundwater Table  Groundwater Strike		GENERAL REMARKS m bgl = metres below ground level NVO = No visual or olfactory evidence of contamination.
		Logged By	JT	Approved By	BS

EXPLORATORY HOLE LOG

Project Name and Site Location Shell Hitchin			Client Shell UK Oil Products Ltd		BOREHOLE No BH105A
Job No 46370079	Date Start Date 15-02-12 End Date 15-02-12	Ground Level (m) 71.04	Co-Ordinates () E 517,908.32 N 229,847.40		
Contractor Tor Drilling Ltd		Method / Plant Used Vacuum Extraction and Comacchio GEO 250			Sheet 1 of 1

Depth	Sample / Test Details	PID (ppm)	Water	STRATA				
				Legend	Depth (Thickness)	DESCRIPTION	COMMENTS	Installation / Backfill
						Previous install (BH105)	Overdrilled BH105.	
0.5								
1.0								
1.5								
2.0								
2.5								
3.0								
3.5								
4.0								
4.5								
5.0								
5.5								
6.0								
6.5	BH105A_6.5	<0.1			6.30	Cream weak medium density CHALK. Discontinuities closed and extremely closely spaced. Stained brown and orange-brown along discontinuity surfaces.	Dry. NVO.	
7.0					6.70		Dry. NVO.	
7.5		<0.1				Structureless cream CHALK comprised of stiff slightly gravelly SILT. Gravel is fine to medium subrounded to subangular very weak low density cream chalk. Discontinuities closed and extremely closely spaced. Occasional orange-brown staining.		
8.0					(2.30)			
8.5		<0.1				Blocky from 8.2m bgl.		
9.0		<0.1			9.00	Borehole terminated at 9.0m bgl. Target depth reached.		

WELL INSTALLATION DETAILS				LEGEND		GENERAL REMARKS
Cement seal riser	Bentonite/Grout Mix	Bentonite seal riser	Filter pack riser	Chalk		
Filter pack screen	Hole Collapse	SAMPLE TYPE DETAILS				Vacuum extraction to 1.2m bgl. Hollow stem from 1.2 to 9.0m bgl. Installed as monitoring well with 50mm OD HDPE, 1mm slotted from 6.5m bgl to 8.5m bgl. 3-6mm gravel filter pack. Groundwater strike unclear during drilling. Groundwater at 7.00m bgl after 20 mins. NVO = No visual or olfactory evidence of impact. m bgl = metres below ground level.
Environmental Sample				Groundwater Table Water Strike bgl = Below Ground Level	NVO - No Visual or Olfactory Evidence of Contamination	
				Logged By	BSS	Approved By
						BKS

EXPLORATORY HOLE LOG

Project Name and Site Location Shell Hitchin			Client Shell UK Oil Products Ltd		BOREHOLE No BH106A
Job No 46370079	Date Start Date 14-02-12 End Date 14-02-12	Ground Level (m) 71.05	Co-Ordinates () E 517,907.63 N 229,830.01		
Contractor Tor Drilling Ltd		Method / Plant Used Vacuum Extraction and Comacchio GEO 250			Sheet 1 of 1

Depth	Sample / Test Details	PID (ppm)	Water	STRATA			Installation / Backfill
				Legend	Depth (Thickness)	DESCRIPTION	
71.0					0.22	Concrete	
0.5					0.40		
70.5	BH106A_0.7	<0.1			0.75	MADE GROUND: Brown clayey sandy gravel. Sand is fine to medium. Gravel is fine to coarse subangular to subrounded brick and concrete.	Moist. NVO. Dry. NVO.
1.0		<0.1			1.00		Dry. NVO.
70.0		<0.1			1.20	MADE GROUND: Dark grey-brown slightly clayey sand and gravel. Sand is fine to medium. Gravel is fine to coarse concrete and brick.	Dry. NVO.
1.5		<0.1			1.50		Wet. NVO.
69.5	BH106A_1.5-2.0	<0.1				MADE GROUND: Light grey slightly silty sand and gravel. Sand is fine to medium. Gravel is fine to coarse subrounded to subangular brick and chalk.	Dry. NVO
2.0		<0.1			(1.30)	Orange-brown very silty SAND. Sand is fine.	
2.5						Soft orange-brown SILT.	
69.0		<0.1			2.80	Firm to stiff orange-brown gravelly SILT. Gravel is fine to medium rounded flint.	Moist. NVO.
3.0		<0.1				With low density chalk gravel from 2.1m bgl.	
3.5						Structureless CHALK comprised of firm white SILT. Discontinuities closed and extremely closely spaced. Stiff from 3.2m bgl.	
4.0		<0.1			(2.10)		
4.5							
66.5							
5.0	BH106A_5.0	<0.1			4.90	Structureless white CHALK comprised of stiff slightly gravelly SILT. Gravel is medium to coarse subrounded to subangular very weak low density white chalk. Discontinuities closed and extremely closely spaced. Occasional light orange-brown staining from 5.3m bgl. Cream in colour from 5.4m bgl.	Moist. NVO.
5.5		<0.1					
6.0		<0.1					
6.5		<0.1					
7.0		<0.1			(3.80)		
7.5		<0.1					
8.0		<0.1					
8.5		<0.1			8.70		
						Borehole terminated at 8.7m bgl. Target depth reached.	

WELL INSTALLATION DETAILS Cement seal riser Bentonite seal riser Filter pack screen Bentonite/Grout Mix Filter pack riser Filter Pack: Bottom of hole		LEGEND Concrete Silty Sand Gravelly Silt Made Ground Silt Chalk Groundwater Table Water Strike NVO - No Visual or Olfactory Evidence of Contamination bgl = Below Ground Level		GENERAL REMARKS Vacuum extraction to 1.2m bgl. Hollow stem from 1.2 to 8.7m bgl. Installed as monitoring well with 50mm OD HDPE, 1mm slotted from 5.3m bgl to 8.3m bgl. 3-6mm gravel filter pack. NVO = No visual or olfactory evidence of impact. m bgl = metres below ground level.
SAMPLE TYPE DETAILS Environmental Sample		Logged By BSS		Approved By BKS