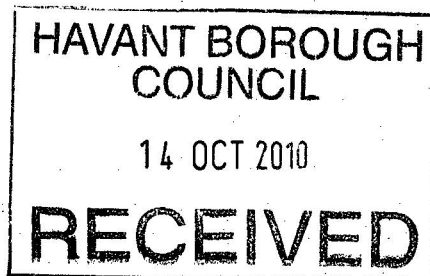


Our Ref. p-sw-117.havant

11th October, 2010

Mansell Partnership Housing
Roman House
Salisbury Road
Totton
Southampton
SO40 3XF



For the attention of Mr. H. Davies.

Dear Hugh,

**RED SQUARE DEVELOPMENTS, HAVANT – MONITORING OF INITIAL
GROUNDWORKS AND VALIDATION OF GROUNDWATER QUALITY FOLLOWING
PILE INSTALLATION.**

1.0 Introduction

This letter report describes the supplementary soil/groundwater sampling and analyses undertaken at the above site during the initial groundworks phase of construction, and following installation of the piled foundations.

The following items are enclosed for ease of reference.

- Results of soil analyses undertaken during initial groundworks (Enclosure A).
- Results of groundwater analyses undertaken following pile installation (Enclosure B).
- Estimation of chronic human health risks for residential land use (Enclosure C).
- Plan showing pile layout in relation to recorded positions of USTs (Enclosure D).
- Waste transit notes relating to the off-site disposal of soil arisings and importing of granular fill (Enclosure E).

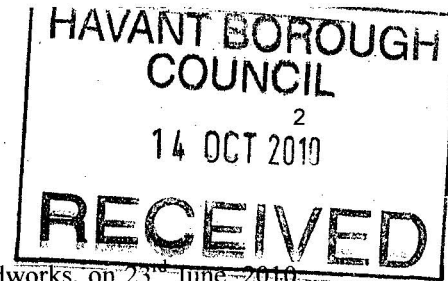
Pile numbers, where quoted in this text, correspond to the location references and coordinates given on the pile layout plan appended to this report (Enclosure E). It should be noted, however, that the pile numbers indicated in the laboratory test results are based on an earlier layout, whereby what was originally P66 is now numbered as P2, and what was P69 corresponds to the position now recorded for P29.

The works are summarised under the following headings.

2.0 Monitoring of Preparatory Groundworks

Following site clearance, two visits to site were made by Ground Investigation (South West) Limited, at the request of your Site Manager, Mr Tony Broad, to inspect areas of suspected hydrocarbon contamination, exposed during preparatory groundworks undertaken to remove obstructions from the proposed pile locations.

Details of the sampling undertaken on each of these visits, together with the associated observations are summarised below.



2.1 Site Visit 23rd June, 2010

During the first of the site visits undertaken during the preparatory groundworks, on 23rd June, 2010, three areas of dark grey and grey-brown soils were indicated at the exposed ground surface.

Representative disturbed samples of the subsoils exposed within each of these areas, were collected within sealed amber glass jars and returned to the laboratory in refrigerated containers. A further sample comprising mixed arisings from a stockpile of crushed demolition rubble, located in the north of the site, was also collected for laboratory analysis at the request of Mr. Broad. Brief descriptions of the three areas are presented below.

- **Area 1**

This area was located in the south of the site, close to P82 and P83, and measured some 4m by 3m in plan. The exposed soils comprised loose, dark grey and grey-brown, silty, sandy gravel sized fragments of flint, brick and concrete, intermixed with dark brown, sandy, slightly organic clay (topsoil). No visual or olfactory evidence of hydrocarbon contamination was noted. A sample of this soil (S1, 0.1m) was collected, using hand tools, for laboratory analysis.

- **Area 2**

This area was located in the centre of the site, close to P44 and P45, and measured some 10m by between 2-3m in plan. The exposed soils comprised soft to firm, dark brown, sandy, slightly organic clay (topsoil) intermixed gravel sized fragments of flint, brick and concrete. No visual or olfactory evidence of hydrocarbon contamination was noted. A sample of this soil (S2, 0.1m) was also collected, using hand tools, for laboratory analysis.

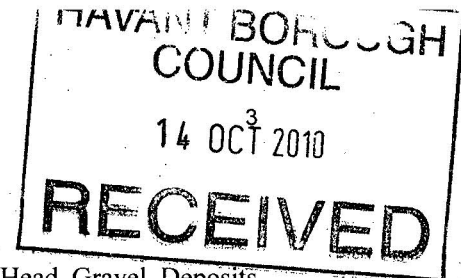
- **Area 3**

Towards the north-western end of the proposed building, in the vicinity of P2, a circular fibreglass, soil filled structure, some 1.6m in diameter was partly exposed at the ground surface. Further investigation, undertaken using a tracked excavator, provided by the groundworks contractor, indicated that this structure extended only 0.25m below the ground surface. The infilling soils comprised loose brown and grey-brown clayey, sandy gravel sized fragments of concrete, limestone, flint and brick with occasional dark brown, slightly organic clay (topsoil). A sample of this soil (S3, 0.2m) was collected for laboratory analysis. Beneath the base of this structure, to 0.4m depth, brown and grey-brown, silty, sandy gravel of limestone, flint, concrete and brick fragments was encountered, with some cobbles and boulders of brick and concrete. No visual or olfactory evidence of hydrocarbon contamination was noted within either the material infilling this shallow structure, or within the underlying subsoils.

During our site visit of 23rd June, 2010, the preparatory groundworks were ongoing. These involved a combination of mechanical excavation and dynamic probing, to investigate the presence of obstructions at the proposed pile locations. We understand that following our site visit a number of buried concrete obstructions were removed from the southern and central areas of the site.

2.2 Site Visit 28th June, 2010

A second visit to site was made at the request of your Site Manager on 28th June 2010, to inspect further arisings from the ongoing mechanical excavation and probing works. During this visit, Ground Investigation (South West) Limited undertook a watching brief to identify any visual or olfactory evidence of hydrocarbon contamination in the exposed excavations, and carry out further sampling as appropriate. A brief summary of the observations made is presented below.



- **Pile 2**

Made Ground was revealed to 1.6m depth, underlain by probable Head Gravel Deposits between 1.6-2.3m.

A 1.7m diameter, spherical, fibreglass tank, filled with soil, and encased in lean-mix concrete, was revealed between approximately 0.3-2.0m depth. The tank was removed from the excavation.

The soils infilling this structure exhibited a slight hydrocarbon odour. These soils were sampled, and separately stockpiled on polythene sheeting pending the results of laboratory analyses. A further sample was collected from the underlying visibly 'clean' granular subsoils.

Rapid groundwater inflow occurred from 1.3m depth.

- **Piles 12 & 13**

Made Ground was revealed to 1.2m depth, including boulders of concrete, underlain by probable Head Gravel Deposits between 1.2-1.5m.

Rapid groundwater inflow occurred from 1.2m depth.

There was no visual or olfactory evidence of hydrocarbon contamination.

- **Piles 21 & 22**

Made Ground was revealed to at least 2.8m depth, including boulders of concrete. Possible in-situ concrete was exposed from 1.7-2.8m depth.

Rapid groundwater inflow occurred from 1.3m depth.

There was no visual or olfactory evidence of hydrocarbon contamination.

- **Pile 23**

Made Ground was revealed to at least 2.8m depth, including boulders of concrete. Possible in-situ concrete was exposed from 1.7-2.8m depth.

Rapid groundwater inflow occurred from 1.4m depth, obscuring observations.

There was no visual or olfactory evidence of hydrocarbon contamination.

- **Piles 26 & 27**

Made Ground was revealed to 1.4m depth including boulders of concrete, underlain by probable Head Gravel Deposits between 1.4-1.5m.

There was no visual or olfactory evidence of hydrocarbon contamination and no groundwater was encountered.

- **Pile 29**

Made Ground was revealed to 1.5m depth, including boulders of concrete. A pocket of clayey soil with slight visual and olfactory evidence of hydrocarbon contamination was noted from 0.8-1.1m depth in the south-west of the excavation. This material was excavated, sampled, and

individually stockpiled on polythene sheeting, pending the results of laboratory analyses. Possible in-situ concrete was encountered between 1.5-2.2m.

Rapid groundwater inflow occurred from 1.3m depth.

- **Pile 31**

Made Ground was revealed to at least 2.2m depth, including boulders of concrete. Possible in-situ concrete was exposed from 1.4-2.2m depth.

Rapid groundwater inflow occurred from 1.2m depth, obscuring observations.

There was no visual or olfactory evidence of hydrocarbon contamination.

- **Piles 86 & 87**

Made Ground was revealed to at least 2.8m depth, including boulders of concrete.

The southern end of a cylindrical steel fuel tank was exposed in the north east of the pit from approximately 1.5m depth – full dimensions were not determined as observations were hampered by rapid groundwater inflow from 1.4m depth.

There was no visual or olfactory evidence of hydrocarbon contamination.

Following completion of the preparatory groundworks, together with the associated topographical survey works, and consultation with the Structural Engineers for the project, it is understood that the pile layout was amended to that shown in Enclosure D, in order to ensure that the piles did not encounter the revealed tanks, or their concrete surrounds. A plan showing the pile co-ordinates in relation to the positions of the three tanks which extend very close to, or encroach within, the proposed building footprint, was submitted to the Environment Agency (EA) for approval, prior to pile installation commencing.

Piling is understood to have been subsequently undertaken by means of continuous flight auger methods, the piles extending typically 10-12m below the present ground surface.

3.0 Groundwater Sampling

Approximately two weeks following installation of the continuous flight auger piles at the site, on 16th August, 2010, a further full set of groundwater samples was collected, using disposable polythene bailers, from all four of the pre-existing 'deep' and 'shallow' monitoring wells installed at the site during the earlier controlled waters risk assessments (described in our reports dated 6th May and 25th June, 2010). These monitoring wells had been temporarily protected during the piling, using manhole rings.

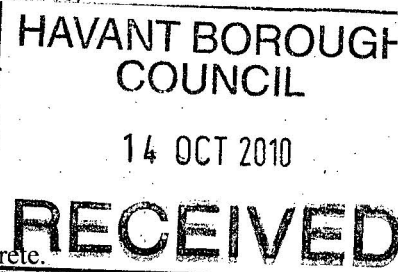
The groundwater samples were sealed in amber glass jars, and, as previously, were transported in a refrigerated container to the MCERTS accredited laboratories of The Environmental Laboratory Limited in East Sussex.

4.0 Laboratory Analyses

Chemical tests have been undertaken on filtered and unfiltered samples of groundwater recovered from both the deep and shallow monitoring wells at the site, together with the soil samples collected during the preparatory groundworks, based on the contaminants of concern identified by the previous investigations.

4.1 Soil Analyses

All of the soil samples have been analysed as follows.



- Soils suite comprising metals, speciated polycyclic aromatic hydrocarbons (PAHs), total petroleum hydrocarbons (TPH) with carbon banding and aliphatic/aromatic breakdown, BTEX compounds, MTBE, cyanides, total monohydric phenols, sulphur, total and water soluble sulphates and pH.

In addition, waste acceptance criteria (WAC) have been undertaken using two composite samples.

The chemical test results for the soil samples are presented in Enclosure A.

4.2 Groundwater Analyses

All of the groundwater samples collected from the site have been analysed as follows.

- Waters suite comprising speciated polycyclic aromatic hydrocarbons (PAHs) and total petroleum hydrocarbons (TPH) with carbon banding and aliphatic/aromatic breakdown.
- Extended suite to include attenuation parameters, comprising dissolved oxygen, redox potential, iron, nitrate, sulphate and pH.

The chemical test results for the water samples are presented in Enclosure B.

5.0 Conclusions

5.1 Risks to Human Health

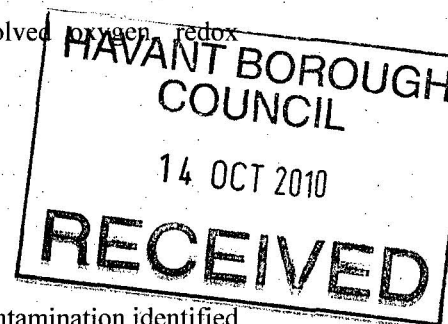
Potential chronic human health risks associated with the possible areas of soil contamination identified during the preparatory groundworks are summarised in Enclosure C. This table compares the results of the soil analyses undertaken with Generic Assessment Criteria (GAC) appropriate for the most sensitive residential use, and identifies the source of the GAC utilised. It is not considered appropriate to undertake statistical analysis, as the sampling specifically targeted areas of suspected contamination, and the samples were collected from a wide range of depths.

One of the samples, collected from shallow depth in Area 1, demonstrated an elevated concentration of lead, exceeding the published Soil Guideline Value (SGV) for either residential or commercial use. A further sample, collected from the position of Pile 29, at 1.0m depth, identified concentrations of benzo(a)anthracene and benzo(a)pyrene in excess of the GAC for residential use. It should be noted in this context, however, that the ground floor of the development is destined for commercial use, and the vast majority of the site area will comprise hard surfaced construction on completion. Furthermore, the location from which these samples were extracted will be beneath the reinforced concrete floor slab of the completed building. Moreover, the agreed remedial strategy for the site allows for the provision of 300mm depth of clean cover within the completed soft landscaped areas.

It is also important to note in the above context, that the preparatory groundworks, undertaken on a relatively close grid spacing, did not generally reveal significant visual or olfactory evidence of hydrocarbon contamination.

It is concluded on the basis of the aforementioned considerations, that the potential chronic human health risk to the occupiers of the completed development is very low.

Notwithstanding the above, due partly to the environmental sensitivity of the development area, it is understood that the identified areas of suspected contaminated soil were removed from site. Waste transit documentation relating to these operations, and the importing of inert granular fill, is presented in Enclosure E.



5.2 Risks to Controlled Waters

The potential risk for contamination at the site to pollute sensitive controlled waters receptors, most notably the underlying groundwater and the surrounding network of springs, was addressed in detail by the earlier investigations undertaken (see our reports dated 6th May and 25th June, 2010).

It was considered necessary, in light of the proximity and highly sensitive nature of these water bodies to undertake a further round of groundwater monitoring following installation of the piled foundations. The results of these analyses are presented in Enclosure B. It is noted that in the case of both the filtered and unfiltered samples, recovered from both the 'shallow' monitoring wells targeting the superficial soils, and the 'deep' monitoring wells targeting the chalk aquifer, concentrations of both total petroleum hydrocarbons (TPH) and polycyclic aromatic hydrocarbons (PAH) are below laboratory detection limits for all speciated fractions/individual compounds. Furthermore, the results continue to indicate aerobic conditions, conducive with the ongoing and future decay of any residual hydrocarbon contamination.

Notwithstanding the above, it should be noted, as described within the preceding section of this report, that the preparatory groundworks, undertaken on a relatively close grid spacing, did not generally reveal significant visual or olfactory evidence of hydrocarbon contamination. Furthermore, the relatively small volume of excavation spoil demonstrating evidence of contamination, was stockpiled on polythene sheeting and removed from site (see Enclosure E).

It is concluded on the basis of the results of the supplementary groundwater monitoring and analyses, that the recent foundation construction activities have not been detrimental to groundwater quality at the site.

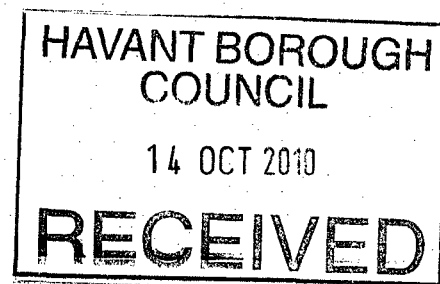
I trust the above comments, together with the enclosed information, are sufficient for your present purposes. If you have any queries, or require any further information, please do not hesitate to call.

Yours sincerely,



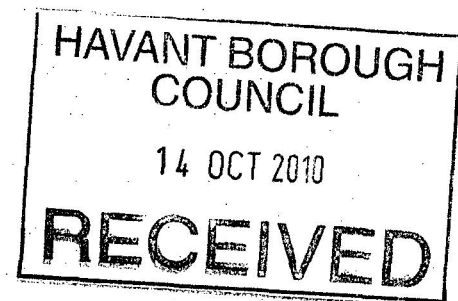
Tim Gillbanks
BSc(Hons), CGeol, CSci, FGS

c.c. Ron Rouse, Mansell
Nick Cooper, Mansell
Tony Broad, Mansell
Stephen Longbottom, Red Square Developments



ENCLOSURE A

Results of Chemical Laboratory Tests - Soils



THE ENVIRONMENTAL LABORATORY LTD

F.A.O. Tim Gillbanks
Ground Investigation (South West) Limited
Unit 3, Custom House Court
Kenn Road, Clevedon
Bristol, BS21 6EX

Reporting Date: 05/07/10

ANALYTICAL REPORT No. AR27789

Samples Received By:- Courier
Samples Received:- 24/06/10
Your Job No: p-sw-117
Site Location: Havant
No Samples Received:- 4



Report Checked By:-

Steve Knight
Director

Authorised By:-

Cliff P.V. Knight BSc, EurChem, CChem FRSC
Managing Director

Any comments, opinions, or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)



THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

ANALYTICAL REPORT No. AR27789

Location: Havant



Your Job No: p-sw-117

Reporting Date: 05/07/10

F.A.O. Tim Gillbanks
Ground Investigation (South West) Limited
Unit 3, Custom House Court
Kenn Road, Clevedon
Bristol, BS21 6EX

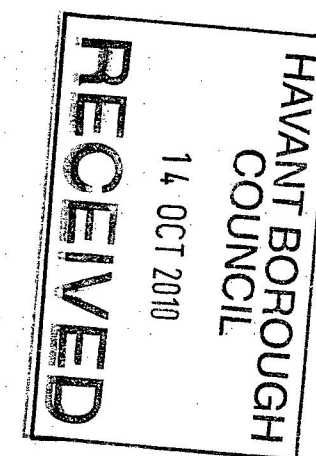
Soils	Characteristic TP/BH	Silt loam	Silt loam	Sandy silt loam	Sandy silt loam
		Area 1 - S1	Area 2 - S2	Area 3 - S3	Stockpile
	Depth (m)	0.10	0.10	0.20	—
	Our ref	62626	62627	62628	62629
Stone Content	(%)	21	23	34	29
Arsenic**	(mg/kg)	8.9	7.3	6.0	6.1
Cadmium**	(mg/kg)	<0.5	<0.5	<0.5	<0.5
Chromium**	(mg/kg)	13	12	11	11
Lead**	(mg/kg)	837	281	80	73
Mercury**	(mg/kg)	<0.5	<0.5	<0.5	<0.5
Nickel**	(mg/kg)	12	11	10	10
Copper**	(mg/kg)	53	48	17	16
Zinc**	(mg/kg)	119	77	65	64
Selenium**	(mg/kg)	0.7	0.7	<0.5	<0.5
Hexavalent Chromium	(mg/kg)	<2	<2	<2	<2
Water Soluble Boron	(mg/kg)	1.4	3.0	1.9	0.9
pH Value**	(Units)	8.0	7.9	8.7	11.8
Total Sulphate	(% as SO ₄)	0.11	0.07	0.11	0.09
Water Soluble Sulphate	(mg/l as SO ₄)	<10	<10	<10	48
Total Potential Sulphate	(% as SO ₄)	0.16	0.11	0.24	0.27
Total Cyanide**	(mg/kg)	<1	1.1	<1	<1
Total Sulphur	(% as S)	0.05	0.04	0.08	0.09
Soil Organic Matter*	(%)	0.8	1.0	0.3	0.2
Total Monohydric Phenols**	(mg/kg)	<1	<1	<1	<1

All results expressed on dry weight basis

** - MCERTS accredited test

* = UKAS accredited test

MP





THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

ANALYTICAL REPORT No. AR27789

Location: Havant

ELAB

Your Job No: p-sw-117

Reporting Date: 05/07/10

F.A.O. Tim Gillbanks
Ground Investigation (South West) Limited
Unit 3, Custom House Court
Kenn Road, Clevedon
Bristol, BS21 6EX

Soils

Characteristic	Silt loam	Silt loam	Sandy silt loam	Sandy silt loam
TP/BH	Area 1 - S1	Area 2 - S2	Area 3 - S3 (mixed sample)	
Depth (m)	0.10	0.10	0.20	---
Our ref	62626	62627	62628	62629
Naphthalene**	(mg/kg)	<0.5	<0.5	<0.5
Acenaphthylene**	(mg/kg)	<0.5	<0.5	<0.5
Acenaphthene**	(mg/kg)	<0.5	<0.5	<0.5
Fluorene**	(mg/kg)	<0.5	<0.5	<0.5
Phenanthrene**	(mg/kg)	<0.5	<0.5	<0.5
Anthracene**	(mg/kg)	<0.5	<0.5	<0.5
Fluoranthene**	(mg/kg)	1.1	<0.5	2.3
Pyrene**	(mg/kg)	0.7	<0.5	<0.5
Benz(a)anthracene**	(mg/kg)	0.6	<0.5	<0.5
Chrysene**	(mg/kg)	<0.5	<0.5	<0.5
Benzo(b)fluoranthene**	(mg/kg)	0.6	<0.5	<0.5
Benzo(k)fluoranthene**	(mg/kg)	0.9	<0.5	0.7
Benzo(a)pyrene**	(mg/kg)	0.6	<0.5	0.6
Indeno(123-cd)pyrene**	(mg/kg)	0.5	<0.5	0.9
Dibenz(ah)anthracene**	(mg/kg)	<0.5	<0.5	<0.5
Benzo(ghi)perylene**	(mg/kg)	<0.5	<0.5	0.7
Total PAH**	(mg/kg)	4.9	<0.5	5.1

All results expressed on dry weight basis

** - MCERTS accredited test

MP



THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

ANALYTICAL REPORT No. AR27789

Location: Havant

ELAB

Your Job No: p-sw-117

Reporting Date: 05/07/10

F.A.O. Tim Gillbanks
Ground Investigation (South West) Limited
Unit 3, Custom House Court
Kenn Road, Clevedon
Bristol, BS21 6EX

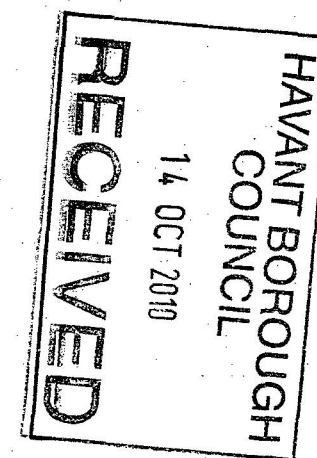
TPH CWG - Soil

Characteristic TP/BH	Silt loam Area 1 - S1	Silt loam Area 2 - S2	Sandy silt loam Area 3 - S3	Sandy silt loam Stockpile (mixed sample)
Depth (m)	0.10	0.10	0.20	---
Our ref	62626	62627	62628	62629
<u>Aromatic</u>				
>EC ₅ -EC ₇ (mg/kg)	<0.01	<0.01	<0.01	<0.01
>EC ₇ -EC ₈ (mg/kg)	<0.01	<0.01	<0.01	<0.01
>EC ₈ -EC ₁₀ (mg/kg)	<0.1	<0.1	<0.1	<0.1
>EC ₁₀ -EC ₁₂ (mg/kg)	<0.1	0.2	0.2	<0.1
>EC ₁₂ -EC ₁₆ (mg/kg)	<0.1	0.4	0.4	<0.1
>EC ₁₆ -EC ₂₁ (mg/kg)	1.5	0.8	0.8	<0.1
>EC ₂₁ -EC ₃₅ (mg/kg)	20.5	0.6	0.5	27.5
<u>Aliphatic</u>				
>EC ₅ -EC ₆ (mg/kg)	<0.01	<0.01	<0.01	<0.01
>EC ₆ -EC ₈ (mg/kg)	<0.01	<0.01	<0.01	<0.01
>EC ₈ -EC ₁₀ (mg/kg)	<0.1	<0.1	<0.1	<0.1
>EC ₁₀ -EC ₁₂ (mg/kg)	<0.1	0.2	0.1	<0.1
>EC ₁₂ -EC ₁₆ (mg/kg)	<0.1	0.5	0.4	<0.1
>EC ₁₆ -EC ₂₁ (mg/kg)	0.2	0.6	0.6	1.2
>EC ₂₁ -EC ₃₅ (mg/kg)	2.6	<0.1	0.8	54.9
TPH (C ₅ - C ₃₅) (mg/kg)	25	<5	<5	84

All results expressed on dry weight basis

** - MCERTS accredited test

MP





Unit A2
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East Sussex
TN38 9BY
Telephone (01424) 718618
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HAVANT BOROUGH
COUNCIL

14 OCT 2010

RECEIVED

THE ENVIRONMENTAL LABORATORY LTD

Waste Acceptance Criteria ANALYTICAL RESULTS									
Report No:		ANALYTICAL REPORT No. AR27789				Page 5 of 8			
Project Name:		Location: Havant				CLIENT:		Ground Investigation (South West) Limited	
Lab Reference		62630				Landfill Waste Acceptance Criteria			
Sampling Date		n/a				Limits			
Sample ID		Area 1, Area 2 & Area 3 Composite				Inert Waste Landfill		Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	
Depth		0.1-0.2						Hazardous Waste Landfill	
Solid Waste Analysis									
TOC (%)	0.6					3%	5%	6%	
Loss on Ignition (%)**	6.1					--	--	10%	
BTEX (mg/kg)**	<0.01					6	--	--	
Sum of PCBs (mg/kg)**	<0.01					1	--	--	
Mineral Oil (mg/kg)**	9					500	--	--	
Total PAH (mg/kg)**	4.5					100	--	--	
pH (Units)**	8.1					--	--	--	
Acid Neutralisation Capacity (mol/kg)	<0.1					--	10 to be evaluated	To be evaluated	
Eluate Analysis									
	2:1	8:1			Cumulative 10:1	Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg (mg/kg)			
	mg/l	mg/l			mg/kg				
Arsenic*	<0.005	0.005			<0.1	0.5	2	25	
Barium*	0.012	0.006			<0.1	20	100	300	
Cadmium*	<0.001	<0.001			<0.01	0.04	1	5	
Chromium*	<0.005	<0.005			<0.1	0.5	10	70	
Copper*	0.013	0.008			<0.1	2	50	100	
Mercury*	<0.0001	<0.0001			<0.001	0.01	0.2	2	
Molybdenum*	0.009	<0.005			<0.1	0.5	10	30	
Nickel*	<0.005	<0.005			<0.1	0.4	10	40	
Lead*	<0.005	<0.005			<0.1	0.5	10	50	
Antimony	<0.005	<0.005			<0.01	0.06	0.7	5	
Selenium	<0.005	<0.005			<0.01	0.1	0.5	7	
Zinc*	0.005	0.005			<0.1	4	50	200	
Chloride*	10	5			31	800	15000	25000	
Fluoride*	<1	<1			<1	10	150	500	
Sulphate*	27	6			55	1000	20000	50000	
TDS	330	160			1061	4000	60000	100000	
Phenol Index	<0.5	<0.5			<0.5	1	-	-	
DOC	21.9	16.8			96	500	800	1000	
Leach Test Information									
pH *	8.1	7.9							
EC*	313	128							
Sample Mass (kg)									
	0.206								
Dry Matter (%)									
	85								
Moisture (%)									
	18								
Stage 1									
Volume Eluate L2 (litres)									
	0.318								
Filtered Eluate VE1 (litres)									
	0.206								

Results are expressed on a dry weight basis, after correction for moisture content where applicable
Stated limits are for guidance only and ELAB cannot be held responsible for any discrepancies with current legislation

*= UKAS accredited

** - MCERTS accredited test

THE ENVIRONMENTAL LABORATORY LTD

SAMPLE RECEIPT AND TEST DATES

Our Analytical Report Number AR27789
Your Job No: p-sw-117
Sample Receipt Date: 24/06/10
Reporting Date: 05/07/10

Registered: 24/06/10
Prepared: 25/06/10
Analysis complete: 05/07/10



TEST METHOD SUMMARY

PARAMETER	Analysis Undertaken on	Date Tested	Method Number	Technique
Arsenic**	Air dried sample	29/06/10	118	ICPMS
Cadmium**	Air dried sample	29/06/10	118	ICPMS
Chromium**	Air dried sample	29/06/10	118	ICPMS
Lead**	Air dried sample	29/06/10	118	ICPMS
Mercury**	Air dried sample	29/06/10	118	ICPMS
Nickel**	Air dried sample	29/06/10	118	ICPMS
Copper**	Air dried sample	29/06/10	118	ICPMS
Zinc**	Air dried sample	29/06/10	118	ICPMS
Selenium**	Air dried sample	29/06/10	118	ICPMS
Water Soluble Boron	Air dried sample	29/06/10	202	Colorimetry
Hexavalent Chromium	As submitted sample	28/06/10	110	Colorimetry
pH Value**	Air dried sample	29/06/10	113	BRE SD1
Total Sulphate	Air dried sample	29/06/10	155	BRE SD1
Water Soluble Sulphate	Air dried sample	29/06/10	172	BRE SD1
Total Potential Sulphate	Air dried sample	01/07/10	116	BRE SD1
Total Cyanide**	As submitted sample	01/07/10	204	Colorimetry
Total Sulphur	Air dried sample	01/07/10	116	BRE SD1
Soil Organic Matter*	Air dried sample	29/06/10	111	Titration
Total Monohydric Phenols**	As submitted sample	28/06/10	121	HPLC
Speciated PAH**	As submitted sample	28/06/10	133	Gas Chromatography
Carbon Banding (TPH)	As submitted sample	28/06/10	117	Gas chromatography

* = UKAS Accredited test

** - MCERTS Accredited test

MCERTS accreditation covers samples which are predominantly sand, clay, loam or combinations of these three soil types

Any comments, opinions, or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)

THE ENVIRONMENTAL LABORATORY LTD

SAMPLE RECEIPT AND TEST DATES

Our Analytical Report Number AR27789
Your Job No: p-sw-117
Sample Receipt Date: 24/06/10
Reporting Date: 05/07/10

Registered: 24/06/10
Prepared: 25/06/10
Analysis complete: 05/07/10



TEST METHOD SUMMARY

PARAMETER	Undertaken on	Date Tested	Method Number	Technique
pH Value**	Air dried sample	28/06/10	113	Electrometric
Total Organic Carbon	Air dried sample	01/07/10	210	Automated IR Absorption
Loss on Ignition**	Air dried sample	28/06/10	129	Gravimetric
Neutralization Capacity to pH 7	Air dried sample	28/06/10	-	EA
Benzene**	As submitted sample	24/06/10	181	GCMS
Toluene**	As submitted sample	24/06/10	181	GCMS
Ethyl Benzene**	As submitted sample	24/06/10	181	GCMS
Xylenes**	As submitted sample	24/06/10	181	GCMS
Mineral Oil**	As submitted sample	28/06/10	117	GCFID
PCB 28**	Air dried sample	30/06/10	120	GCMS
PCB 52**	Air dried sample	30/06/10	120	GCMS
PCB 101**	Air dried sample	30/06/10	120	GCMS
PCB 118**	Air dried sample	30/06/10	120	GCMS
PCB 138**	Air dried sample	30/06/10	120	GCMS
PCB 153**	Air dried sample	30/06/10	120	GCMS
PCB 180**	Air dried sample	30/06/10	120	GCMS
Speciated PAH**	As submitted sample	28/06/10	133	GCFID

The analysts' guide for sampling, analysis and clearance procedures

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THE ENVIRONMENTAL LABORATORY LTD**LEACHATE SAMPLE RECEIPT AND TEST DATES**

Our Analytical Report Number AR27789
Your Ref No: p-sw-117
Sample Receipt Date: 24/06/10
Reporting Date: 05/07/10

Registered: 24/06/10
Prepared: 25/06/10
Analysis complete: 05/07/10

**LEACHATE TEST METHOD SUMMARY**

PARAMETER	Method Number	Technique
Arsenic*	101	ICPMS
Cadmium*	101	ICPMS
Chromium*	101	ICPMS
Lead*	101	ICPMS
Nickel*	101	ICPMS
Copper*	101	ICPMS
Zinc*	101	ICPMS
Mercury*	101	ICPMS
Selenium	101	ICPMS
Antimony	101	ICPMS
Barium*	101	ICPMS
Molybdenum*	101	ICPMS
pH Value*	113	Electrometric
Electrical Conductivity*	136	Probe
Dissolved Organic Carbon	102	TOC analyser
Chloride*	131	Ion Chromatography
Fluoride*	131	Ion Chromatography
Sulphate*	131	Ion Chromatography
Total Dissolved Solids	163	Gravimetric
Phenol Index	121	HPLC

* = UKAS Accredited test

Determinands not marked with * are not accredited

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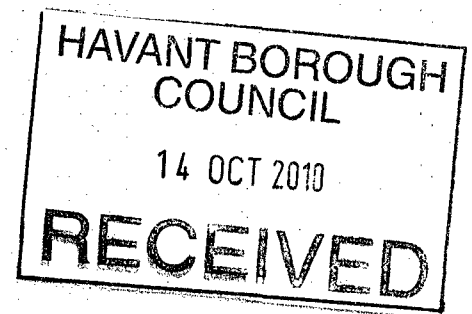
THE ENVIRONMENTAL LABORATORY LTD

F.A.O. Tim Gillbanks
Ground Investigation (South West) Limited
Unit 3, Custom House Court
Kenn Road, Clevedon
Bristol, BS21 6EX

Reporting Date: 09/07/10

ANALYTICAL REPORT No. AR27896

Samples Received By:- Courier
Samples Received:- 30/06/10
Your Job No: p-sw-117
Site Location: Havant
No Samples Received:- 3



Report Checked By:-

Steve Knight
Director

Cliff P.V. Knight BSc, EurChem, CChem FRSC
Managing Director

Any comments, opinions, or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)



THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

ANALYTICAL REPORT No. AR27896

Location: Havant

ELAB

Your Job No: p-sw-117

Reporting Date: 09/07/10

F.A.O. Tim Gillbanks
Ground Investigation (South West) Limited
Unit 3, Custom House Court
Kenn Road, Clevedon
Bristol, BS21 6EX

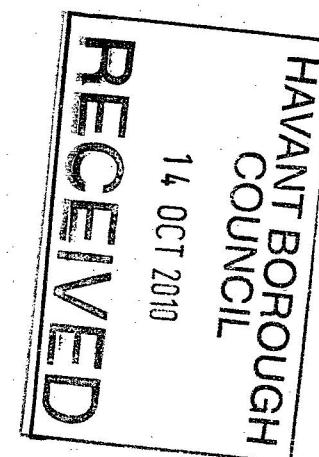
Soils	Characteristic	Silt loam	Silt loam	Silt loam
	TP/BH	Pile 69	Pile 66	Pile 66
	Depth (m)	1.00	1.00	1.80
	Our ref	63318	63319	63320
Stone Content	(%)	24	28	24
Arsenic**	(mg/kg)	6.4	5.5	7.2
Cadmium**	(mg/kg)	<0.5	<0.5	<0.5
Chromium**	(mg/kg)	17	10	13
Lead**	(mg/kg)	48	32	9
Mercury**	(mg/kg)	<0.5	<0.5	<0.5
Nickel**	(mg/kg)	14	10	12
Copper**	(mg/kg)	15	13	10
Zinc**	(mg/kg)	73	43	44
Selenium**	(mg/kg)	<0.5	<0.5	<0.5
Hexavalent Chromium	(mg/kg)	<2	<2	<2
Water Soluble Boron	(mg/kg)	1.4	2.5	0.8
pH Value**	(Units)	8.4	8.3	8.3
Total Sulphate	(% as SO ₄)	<0.05	<0.05	0.10
Water Soluble Sulphate	(mg/l as SO ₄)	101	104	82
Total Potential Sulphate	(% as SO ₄)	0.07	0.08	0.20
Total Cyanide**	(mg/kg)	<1	<1	<1
Total Sulphur	(% as S)	<0.05	<0.05	0.07
Soil Organic Matter*	(%)	0.9	0.7	1.6
Total Monohydric Phenols**	(mg/kg)	<1	<1	<1

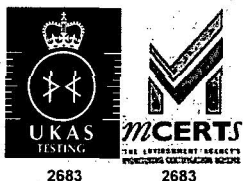
All results expressed on dry weight basis

** - MCERTS accredited test

* = UKAS accredited test

MP





THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

ANALYTICAL REPORT No. AR27896

Location: Havant

ELAB

Your Job No: p-sw-117

Reporting Date: 09/07/10

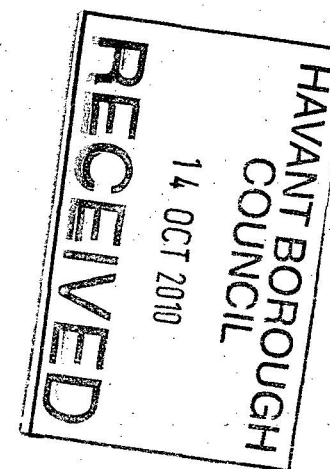
F.A.O. Tim Gillbanks
Ground Investigation (South West) Limited
Unit 3, Custom House Court
Kenn Road, Clevedon
Bristol, BS21 6EX

Soils	Characteristic	Silt loam	Silt loam	Silt loam
	TP/BH	Pile 69	Pile 66	Pile 66
	Depth (m)	1.00	1.00	1.80
	Our ref	63318	63319	63320
Naphthalene**	(mg/kg)	<0.5	<0.5	<0.5
Acenaphthylene**	(mg/kg)	<0.5	<0.5	<0.5
Acenaphthene**	(mg/kg)	<0.5	<0.5	<0.5
Fluorene**	(mg/kg)	<0.5	<0.5	<0.5
Phenanthrene**	(mg/kg)	0.9	<0.5	<0.5
Anthracene**	(mg/kg)	0.5	<0.5	<0.5
Fluoranthene**	(mg/kg)	5.1	<0.5	<0.5
Pyrene**	(mg/kg)	4.5	<0.5	<0.5
Benz(a)anthracene**	(mg/kg)	4.1	<0.5	<0.5
Chrysene**	(mg/kg)	4.1	<0.5	<0.5
Benzo(b)fluoranthene**	(mg/kg)	2.7	<0.5	<0.5
Benzo(k)fluoranthene**	(mg/kg)	2.8	<0.5	<0.5
Benzo(a)pyrene**	(mg/kg)	2.6	<0.5	<0.5
Indeno(123-cd)pyrene**	(mg/kg)	1.7	<0.5	<0.5
Dibenz(ah)anthracene**	(mg/kg)	<0.5	<0.5	<0.5
Benzo(ghi)perylene**	(mg/kg)	1.7	<0.5	<0.5
Total PAH**	(mg/kg)	30.6	<0.5	<0.5

All results expressed on dry weight basis

** - MCERTS accredited test

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Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

ANALYTICAL REPORT No. AR27896

Location: Havant

ELAB

Your Job No: p-sw-117

Reporting Date: 09/07/10

F.A.O. Tim Gillbanks
Ground Investigation (South West) Limited
Unit 3, Custom House Court
Kenn Road, Clevedon
Bristol, BS21 6EX

TPH CWG - Soil

Characteristic	Silt loam	Silt loam	Silt loam
TP/BH	Pile 69	Pile 66	Pile 66
Depth (m)	1.00	1.00	1.80
Our ref	63318	63319	63320

Aromatic

>EC ₅ -EC ₇	(mg/kg)	<0.01	<0.01	<0.01
>EC ₇ -EC ₈	(mg/kg)	<0.01	<0.01	<0.01
>EC ₈ -EC ₁₀	(mg/kg)	<0.1	<0.1	<0.1
>EC ₁₀ -EC ₁₂	(mg/kg)	<0.1	<0.1	<0.1
>EC ₁₂ -EC ₁₆	(mg/kg)	1.0	<0.1	<0.1
>EC ₁₆ -EC ₂₁	(mg/kg)	1.9	0.6	0.1
>EC ₂₁ -EC ₃₅	(mg/kg)	6.5	9.2	1.4

Aliphatic

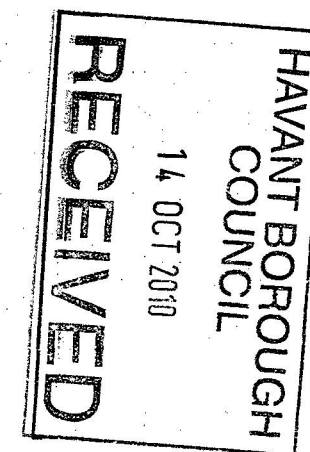
>EC ₅ -EC ₆	(mg/kg)	<0.01	<0.01	<0.01
>EC ₆ -EC ₈	(mg/kg)	<0.01	<0.01	<0.01
>EC ₈ -EC ₁₀	(mg/kg)	<0.1	<0.1	<0.1
>EC ₁₀ -EC ₁₂	(mg/kg)	<0.1	<0.1	<0.1
>EC ₁₂ -EC ₁₆	(mg/kg)	1.6	<0.1	<0.1
>EC ₁₆ -EC ₂₁	(mg/kg)	2.0	0.6	<0.1
>EC ₂₁ -EC ₃₅	(mg/kg)	4.9	4.6	0.4

TPH (C ₅ - C ₃₅)	(mg/kg)	17.9	14.9	2.0
Benzene**	(µg/kg)	<10	<10	<10
Toluene**	(µg/kg)	<10	<10	<10
Ethyl Benzene**	(µg/kg)	<10	<10	<10
Xylenes**	(µg/kg)	21	<10	<10
MTBE	(µg/kg)	<10	<10	<10

All results expressed on dry weight basis -

** - MCERTS accredited test

PRB





Unit A2
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Ponswood Industrial Estate
St Leonards on Sea
East Sussex
TN38 9BY
Telephone (01424) 718618
Facsimile (01424) 729911

THE ENVIRONMENTAL LABORATORY LTD

Waste Acceptance Criteria ANALYTICAL RESULTS									
Report No:		ANALYTICAL REPORT No. AR27896				Page 4 of 7			
Project Name:		Location: Havant				CLIENT: Ground Investigation (South West) Ltd			
Lab Reference		63321				Landfill Waste Acceptance Criteria			
Sampling Date		--				Limits			
Sample ID		Pile 69 / Pile 66				Inert Waste Landfill			
Depth		--				Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill			
Solid Waste Analysis						Hazardous Waste Landfill			
TOC (%)		1.4				3%			
Loss on Ignition (%)**		3.0				5%			
BTEX (mg/kg)**		0.05				6%			
Sum of PCBs (mg/kg)**		<0.01				1			
Mineral Oil (mg/kg)**		66				500			
Total PAH (mg/kg)**		3.3				100			
pH (Units)**		8.4				--			
Acid Neutralisation Capacity (mol/kg)		<0.1				To be evaluated			
Eluate Analysis		2:1				Cumulative 10:1			
		mg/l				mg/kg			
Arsenic*		0.023				0.5			
Barium*		0.041				20			
Cadmium*		<0.001				0.04			
Chromium*		<0.005				0.5			
Copper*		0.028				2			
Mercury*		<0.0001				0.01			
Molybdenum*		0.035				0.5			
Nickel*		0.011				0.4			
Lead*		0.044				0.5			
Antimony		0.033				0.07			
Selenium		<0.005				0.1			
Zinc*		0.041				4			
Chloride*		21				800			
Fluoride*		<1				10			
Sulphate*		38				1000			
TDS		290				4000			
Phenol Index		<0.5				1			
DOC		34.1				500			
Leach Test Information									
pH *		8.1				8.0			
EC*		373				145			
Sample Mass (kg)		0.206							
Dry Matter (%)		85							
Moisture (%)		19							
Stage 1									
Volume Eluate L2 (litres)		0.318							
Filtered Eluate VE1 (litres)		0.192							

Results are expressed on a dry weight basis, after correction for moisture content where applicable
Stated limits are for guidance only and ELAB cannot be held responsible for any discrepancies with current legislation

*= UKAS accredited
**- MCERTS accredited test

HAVANT BOROUGH
COUNCIL

14 OCT 2010

RECEIVED

THE ENVIRONMENTAL LABORATORY LTD**SAMPLE RECEIPT AND TEST DATES**

Our Analytical Report Number AR27896
Your Job No: p-sw-117
Sample Receipt Date: 30/06/10
Reporting Date: 09/07/10

Registered: 30/06/10
Prepared: 01/07/10
Analysis complete: 09/07/10

**TEST METHOD SUMMARY**

PARAMETER	Analysis Undertaken on	Date Tested	Method Number	Technique
Arsenic**	Air dried sample	05/07/10	118	ICPMS
Cadmium**	Air dried sample	05/07/10	118	ICPMS
Chromium**	Air dried sample	05/07/10	118	ICPMS
Lead**	Air dried sample	05/07/10	118	ICPMS
Mercury**	Air dried sample	05/07/10	118	ICPMS
Nickel**	Air dried sample	05/07/10	118	ICPMS
Copper**	Air dried sample	05/07/10	118	ICPMS
Zinc**	Air dried sample	05/07/10	118	ICPMS
Selenium**	Air dried sample	05/07/10	118	ICPMS
Water Soluble Boron	Air dried sample	05/07/10	202	Colorimetry
Hexavalent Chromium	As submitted sample	08/07/10	110	Colorimetry
pH Value**	Air dried sample	06/07/10	113	BRE SD1
Total Sulphate	Air dried sample	00/01/00	155	BRE SD1
Water Soluble Sulphate	Air dried sample	05/07/10	172	BRE SD1
Total Potential Sulphate	Air dried sample	06/07/10	116	BRE SD1
Total Cyanide**	As submitted sample	08/07/10	204	Colorimetry
Total Sulphur	Air dried sample	06/07/10	116	BRE SD1
Soil Organic Matter*	Air dried sample	07/07/10	111	Titration
Total Monohydric Phenols**	As submitted sample	02/07/10	121	HPLC
Speciated PAH**	As submitted sample	02/07/10	133	Gas Chromatography

MCERTS accreditation covers samples which are predominantly sand, clay, loam or combinations of these three soil types

Any comments, opinions, or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)



Unit A2
Windmill Road
Ponswood Industrial Estate
St Leonards on Sea
East Sussex
TN38 9BY
Telephone (01424) 718618
Facsimile (01424) 729911

THE ENVIRONMENTAL LABORATORY LTD

SAMPLE RECEIPT AND TEST DATES

Our Analytical Report Number: AR27896
Your Ref No: p-sw-117
Sample Receipt Date: 30/06/10
Reporting Date: 09/07/10

Registered: 30/06/10
Prepared: 01/07/10
Analysis complete: 09/07/10



TEST METHOD SUMMARY

PARAMETER	Undertaken on	Date Tested	Method Number	Technique
pH Value**	Air dried sample	02/07/10	113	Electrometric
Total Organic Carbon	Air dried sample	06/07/10	210	Automated IR Absorption
Loss on Ignition**	Air dried sample	02/07/10	129	Gravimetric
Neutralization Capacity to pH 7	Air dried sample	02/07/10	-	EA
Benzene**	As submitted sample	30/06/10	181	GCMS
Toluene**	As submitted sample	30/06/10	181	GCMS
Ethyl Benzene**	As submitted sample	30/06/10	181	GCMS
Xylenes**	As submitted sample	30/06/10	181	GCMS
Mineral Oil**	As submitted sample	02/07/10	117	GCFID
PCB 28**	Air dried sample	02/07/10	120	GCMS
PCB 52**	Air dried sample	02/07/10	120	GCMS
PCB 101**	Air dried sample	02/07/10	120	GCMS
PCB 118**	Air dried sample	02/07/10	120	GCMS
PCB 138**	Air dried sample	02/07/10	120	GCMS
PCB 153**	Air dried sample	02/07/10	120	GCMS
PCB 180**	Air dried sample	02/07/10	120	GCMS
Speciated PAH**	As submitted sample	02/07/10	133	GCFID

The analysts' guide for sampling, analysis and clearance procedures

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Ponswood Industrial Estate
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East Sussex
TN38 9BY
Telephone (01424) 718618
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THE ENVIRONMENTAL LABORATORY LTD

LEACHATE SAMPLE RECEIPT AND TEST DATES

Our Analytical Report Number AR27896
Your Ref No: p-sw-117
Sample Receipt Date: 30/06/10
Reporting Date: 09/07/10

Registered: 30/06/10
Prepared: 01/07/10
Analysis complete: 09/07/10



LEACHATE TEST METHOD SUMMARY

PARAMETER	Method Number	Technique
Arsenic*	101	ICPMS
Cadmium*	101	ICPMS
Chromium*	101	ICPMS
Lead*	101	ICPMS
Nickel*	101	ICPMS
Copper*	101	ICPMS
Zinc*	101	ICPMS
Mercury*	101	ICPMS
Selenium	101	ICPMS
Antimony	101	ICPMS
Barium*	101	ICPMS
Molybdenum*	101	ICPMS
pH Value*	113	Electrometric
Electrical Conductivity*	136	Probe
Dissolved Organic Carbon	102	TOC analyser
Chloride*	131	Ion Chromatography
Fluoride*	131	Ion Chromatography
Sulphate*	131	Ion Chromatography
Total Dissolved Solids	163	Gravimetric
Phenol Index	121	HPLC

* = UKAS Accredited test

Determinands not marked with * are not accredited

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ENCLOSURE B

Results of Chemical Laboratory Tests - Water



THE ENVIRONMENTAL LABORATORY LTD

F.A.O. Tim Gillbanks
Ground Investigation (South West) Limited
Unit 3, Custom House Court
Kenn Road, Clevedon
Bristol, BS21 6EX

Reporting Date: 24/09/10

ANALYTICAL REPORT No. AR28945A (Supplementary Report)

Samples Received By:- Courier
Samples Received:- 20/08/10
Your Job No: p-sw-117
Site Location:- Havant
No Samples Received:- 8



Report Checked By:-

Steve Knight
Director

Authorised By:-

Cliff P.V. Knight BSc, EurChem, CChem FRSC
Managing Director

Any comments, opinions, or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)



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THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

ANALYTICAL REPORT No. AR28945A

Location: Havant

ELAB

Your Job No: p-sw-117

Reporting Date: 24/09/10

F.A.O. Tim Gillbanks
Ground Investigation (South West) Limited
Unit 3, Custom House Court
Kenn Road, Clevedon
Bristol, BS21 6EX

<u>Waters - Filtered</u>		TP/BH	BH101d	BH101s	BH102d	BH102s	BH103d	BH103s	BH104s	BH101d
		Our ref	69375	69376	69377	69378	69379	69380	69381	69382
Iron*	(µg/l)		<10	<10	<10	<10	<10	<10	<10	<10
pH Value*	(Units)		7.5	7.6	7.7	7.8	7.6	7.6	7.7	7.7
Sulphate*	(mg/l)		11	17	24	32	26	31	17	14
Nitrate*	(mg/l)		23	23	23	20	22	20	35	28
Dissolved Oxygen Concentration	(mg/l)		9.1	9.2	9.4	9.2	9.2	9.5	9.6	9.6
Redox Potential	(mv)		+60	+56	+65	+56	+55	+60	+61	+61

* = UKAS Accredited test

TJR





2683

THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

ANALYTICAL REPORT No. AR28945A

Location: Havant

ELAB

Your Job No: p-sw-117

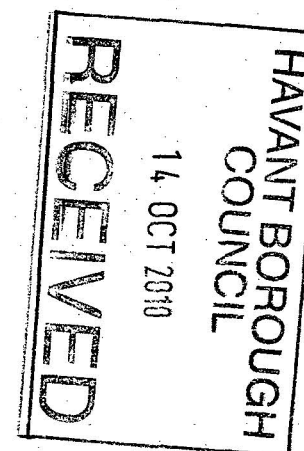
Reporting Date: 24/09/10

F.A.O: Tim Gillbanks
 Ground Investigation (South West) Limited
 Unit 3, Custom House Court
 Kenn Road, Clevedon
 Bristol, BS21 6EX

<u>Waters - Unfiltered</u>		TP/BH	BH101d	BH101s	BH102d	BH102s	BH103d	BH103s	BH104s	BH101d
		Our ref	69375	69376	69377	69378	69379	69380	69381	69382
Iron*	(µg/l)		<10	149	59	102	28	30	21	47
pH Value*	(Units)		7.5	7.6	7.7	7.8	7.6	7.6	7.7	7.7
Sulphate*	(mg/l)		10	17	24	30	28	28	17	12
Nitrate*	(mg/l)		23	23	27	20	24	21	33	29
Dissolved Oxygen Concentration	(mg/l)		9.2	9.4	9.6	9.0	9.3	9.7	9.8	9.8
Redox Potential	(µg/l)		+58	+52	+56	+48	+52	+51	+53	+55

* = UKAS Accredited test

TJR



THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

ANALYTICAL REPORT No. AR28945A

Location: Havant

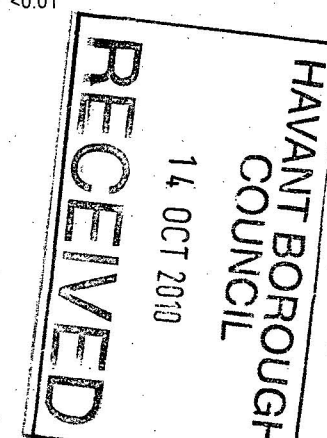
ELAB

Your Job No: p-sw-117

Reporting Date: 24/09/10

F.A.O. Tim Gillbanks
Ground Investigation (South West) Limited
Unit 3, Custom House Court
Kenn Road, Clevedon
Bristol, BS21 6EX

<u>Waters - Filtered</u>	TP/BH	BH101d	BH101s	BH102d	BH102s	BH103d	BH103s	BH104s	BH101d
	Our ref	69375	69376	69377	69378	69379	69380	69381	69382
Naphthalene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acenaphthylene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acenaphthene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Fluorene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Phenanthrene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Anthracene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Fluoranthene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Pyrene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benz(a)anthracene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chrysene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(b)fluoranthene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(k)fluoranthene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(a)pyrene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Indeno(123-cd)pyrene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenz(ah)anthracene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(ghi)perylene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total PAH	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01



THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

ANALYTICAL REPORT No. AR28945A

Location: Havant

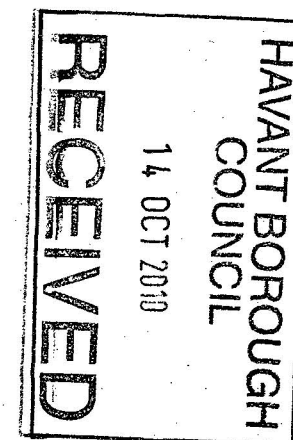


Your Job No: p-sw-117

Reporting Date: 24/09/10

F.A.O. Tim Gillbanks
Ground Investigation (South West) Limited
Unit 3, Custom House Court
Kenn Road, Clevedon
Bristol, BS21 6EX

<u>Waters - Unfiltered</u>	TP/BH Our ref	BH101d 69375	BH101s 69376	BH102d 69377	BH102s 69378	BH103d 69379	BH103s 69380	BH104s 69381	BH101d 69382
Naphthalene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acenaphthylene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acenaphthene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Fluorene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Phenanthrene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Anthracene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Fluoranthene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Pyrene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benz(a)anthracene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chrysene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(b)fluoranthene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(k)fluoranthene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(a)pyrene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Indeno(123-cd)pyrene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenz(ah)anthracene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(ghi)perylene	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total PAH	(µg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01



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ANALYTICAL REPORT No. AR28945A

Location: Havant

ELAB

Your Job No: p-sw-117

Reporting Date: 24/09/10

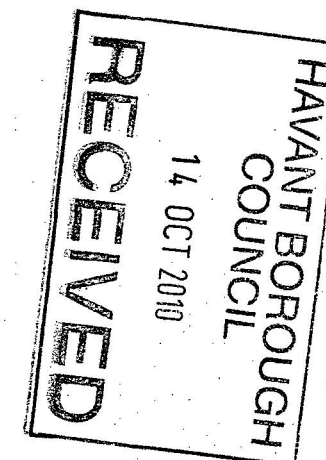
F.A.O. Tim Gillbanks
Ground Investigation (South West) Limited
Unit 3, Custom House Court
Kenn Road, Clevedon
Bristol, BS21 6EX

Waters - Filtered

	TP/BH	BH101d	BH101s	BH102d	BH102s	BH103d	BH103s	BH104s	BH101d
	Our ref	69375	69376	69377	69378	69379	69380	69381	69382
<u>Aromatic</u>									
>C ₅ -C ₇	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10
>C ₇ -C ₈	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10
>C ₈ -C ₁₀	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10
>C ₁₀ -C ₁₂	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10
>C ₁₂ -C ₁₆	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10
>C ₁₆ -C ₂₁	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10
>C ₂₁ -C ₃₅	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10

Aliphatic

>C ₅ -C ₆	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10
>C ₆ -C ₈	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10
>C ₈ -C ₁₀	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10
>C ₁₀ -C ₁₂	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10
>C ₁₂ -C ₁₆	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10
>C ₁₆ -C ₂₁	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10
>C ₂₁ -C ₃₅	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10
TPH (C ₅ - C ₃₅)	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10



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Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonard's on Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

ANALYTICAL REPORT No. AR28945A

Location: Havant

ELAB

Your Job No: p-sw-117

Reporting Date: 24/09/10

F.A.O. Tim Gillbanks
Ground Investigation (South West) Limited
Unit 3, Custom House Court
Kenn Road, Clevedon
Bristol, BS21 6EX

Waters - Unfiltered

TP/BH	BH101d	BH101s	BH102d	BH102s	BH103d	BH103s	BH104s	BH101d
Our ref	69375	69376	69377	69378	69379	69380	69381	69382

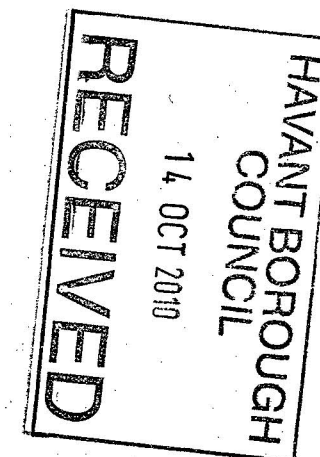
Aromatic

>C ₅ -C ₇	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10
>C ₇ -C ₈	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10
>C ₈ -C ₁₀	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10
>C ₁₀ -C ₁₂	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10
>C ₁₂ -C ₁₆	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10
>C ₁₆ -C ₂₁	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10
>C ₂₁ -C ₃₅	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10

Aliphatic

>C ₅ -C ₆	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10
>C ₆ -C ₈	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10
>C ₈ -C ₁₀	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10
>C ₁₀ -C ₁₂	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10
>C ₁₂ -C ₁₆	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10
>C ₁₆ -C ₂₁	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10
>C ₂₁ -C ₃₅	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10

TPH (C ₅ - C ₃₅)	(µg/l)	<10	<10	<10	<10	<10	<10	<10	<10
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THE ENVIRONMENTAL LABORATORY LTD**WATER SAMPLE RECEIPT AND TEST DATES**

Our Analytical Report Number AR28945A
Your Job No: p-sw-117
Sample Receipt Date: 20/08/10
Reporting Date: 24/09/10

Registered: 20/08/10
Prepared: 21/08/10
Analysis complete: 08/09/10

**WATER TEST METHOD SUMMARY**

PARAMETER	Method Number	Technique
Iron*	101	ICPMS
pH Value*	113	Electrometric
Sulphate*	131	Ion Chromatography
Nitrate*	131	Ion Chromatography
Dissolved Oxygen Concentration	211	Electrometric
Redox Potential	101	Probe
Speciated PAH	135	GCMS
Carbon Banding (TPH)	178	Gas chromatography

* = UKAS Accredited test

Determinands not marked with * are not accredited

Any comments, opinions, or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)



ENCLOSURE C

Generic Quantitative Assessment of Chronic Human Health Risks

SITE AT FORMER PETROL FILLING STATION, PARK ROAD SOUTH, HAVANT									
Enclosure C - Estimation of Chronic Human Health Risks for									
Standard Residential Land Use with Plant Uptake (1% SOM)									
Contaminant	Units	GAC	Area 1 - S1	Area 2 - S2	Area 3 - S3	Stockpile (mixed sample)	Pile 29	Pile 2	Pile 2
		1%	0.10	0.10	0.20	---	1.00	1.00	1.80
pH value	-	-	8.0	7.9	8.7	11.8	8.4	8.3	8.3
Soil Organic Matter	%	-	0.8	1.0	0.3	0.2	0.9	0.7	1.6
Metals and inorganics	Arsenic	mg/kg	32 ^{SGV}	8.9	7.3	6.0	6.1	6.4	7.2
	Boron	mg/kg	291 ^{CIEH}	1.4	3.0	1.9	0.9	1.4	0.8
	Cadmium	mg/kg	10 ^{SGV}	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Chromium	mg/kg	3000 ^{CIEH}	13	12	11	11	17	13
	Chromium (VI)	mg/kg	4.3 ^{CIEH}	<2	<2	<2	<2	<2	<2
	Copper	mg/kg	2330 ^{CIEH}	53	48	17	16	15	10
	Lead	mg/kg	450 ^{SGV}	837	281	80	73	48	32
	Inorganic Mercury	mg/kg	170 ^{SGV}	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Nickel	mg/kg	130 ^{SGV}	12	11	10	10	14	12
	Selenium	mg/kg	350 ^{SGV}	0.7	0.7	<0.5	<0.5	<0.5	<0.5
	Zinc	mg/kg	3750 ^{CIEH}	119	77	65	64	73	44
	Cyanide	mg/kg	53 ^{GI}	<1	1.1	<1	<1	<1	<1
Organics	Phenols	mg/kg	210 ^{CIEH}	<1	<1	<1	<1	<1	<1
PAHs	Naphthalene	mg/kg	1.5 ^{CIEH}	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Acenaphthylene	mg/kg	170 ^{CIEH}	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Acenaphthene	mg/kg	210 ^{CIEH}	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Fluorene	mg/kg	160 ^{CIEH}	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Phenanthrene	mg/kg	92 ^{CIEH}	<0.5	<0.5	<0.5	<0.5	0.9	<0.5
	Anthracene	mg/kg	2300 ^{CIEH}	<0.5	<0.5	<0.5	<0.5	0.5	<0.5
	Fluoranthene	mg/kg	260 ^{CIEH}	1.1	<0.5	2.3	<0.5	5.1	<0.5
	Pyrene	mg/kg	560 ^{CIEH}	0.7	<0.5	<0.5	<0.5	4.5	<0.5
	Benzo(a)anthracene	mg/kg	3.1 ^{CIEH}	0.6	<0.5	<0.5	<0.5	4.1	<0.5
	Chrysene	mg/kg	6.0 ^{CIEH}	<0.5	<0.5	<0.5	<0.5	4.1	<0.5
	Benzo(b)fluoranthene	mg/kg	5.6 ^{CIEH}	0.6	<0.5	<0.5	<0.5	2.7	<0.5
	Benzo(k)fluoranthene	mg/kg	8.5 ^{CIEH}	0.9	<0.5	0.7	<0.5	2.8	<0.5
	Benzo(a)pyrene	mg/kg	0.83 ^{CIEH}	0.6	<0.5	0.6	<0.5	2.6	<0.5
	Indeno(1,2,3-c,d)pyrene	mg/kg	3.2 ^{CIEH}	0.5	<0.5	0.9	<0.5	1.7	<0.5
	Dibenzo(ah)anthracene	mg/kg	0.76 ^{CIEH}	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Benzo(g,h,i)perylene	mg/kg	44 ^{CIEH}	<0.5	<0.5	0.7	<0.5	1.7	<0.5
BTEX	Benzene	mg/kg	0.08 ^{GI}	n/t	n/t	n/t	n/t	<10	<10
	Toluene	mg/kg	120 ^{GI}	n/t	n/t	n/t	n/t	<10	<10
	Ethyl Benzene	mg/kg	65 ^{GI}	n/t	n/t	n/t	n/t	<10	<10
	Xylenes	mg/kg	42 ^{GI}	n/t	n/t	n/t	n/t	21	<10
TPHs (Aromatics)	>nC ₅ -nC ₇	mg/kg	0.08 ^{GI}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	>nC ₇ -nC ₈	mg/kg	120 ^{GI}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	>nC ₈ -nC ₁₀	mg/kg	27 ^{CIEH}	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	>nC ₁₀ -nC ₁₂	mg/kg	69 ^{CIEH}	<0.1	0.2	0.2	<0.1	<0.1	<0.1
	>nC ₁₂ -nC ₁₆	mg/kg	140 ^{CIEH}	<0.1	0.4	0.4	<0.1	1.0	<0.1
	>nC ₁₆ -nC ₂₁	mg/kg	250 ^{CIEH}	1.5	0.8	0.8	<0.1	1.9	0.6
	>nC ₂₁ -nC ₃₅	mg/kg	890 ^{CIEH}	20.5	0.6	0.5	27.5	6.5	9.2
TPHs (Aliphatics)	>nC ₅ -nC ₆	mg/kg	30 ^{CIEH}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	>nC ₆ -nC ₈	mg/kg	73 ^{CIEH}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	>nC ₈ -nC ₁₀	mg/kg	19 ^{CIEH}	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	>nC ₁₀ -nC ₁₂	mg/kg	93 ^{CIEH}	<0.1	0.2	0.1	<0.1	<0.1	<0.1
	>nC ₁₂ -nC ₁₆	mg/kg	740 ^{CIEH}	<0.1	0.5	0.4	<0.1	1.6	<0.1
	>nC ₁₆ -nC ₃₅	mg/kg	45,000 ^{CIEH}	2.8	0.7	1.4	56.1	6.9	5.2

Notes

GAC	Generic Assessment Criteria.
SGV	Soil Guideline Value published by DEFRA/EA, marked with * recently withdrawn.
CIEH	GAC derived by LQM/CIEH.
GI	GAC derived in-house by GI.
	Cells crossed out indicate statistical outlier (hotspot).
	Cells filled black indicate samples in which GAC is exceeded.
n/t	not tested

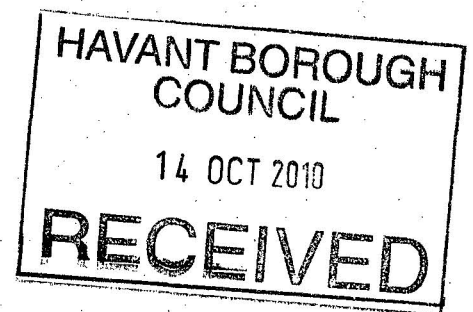
HAVANT BOROUGH
COUNCIL

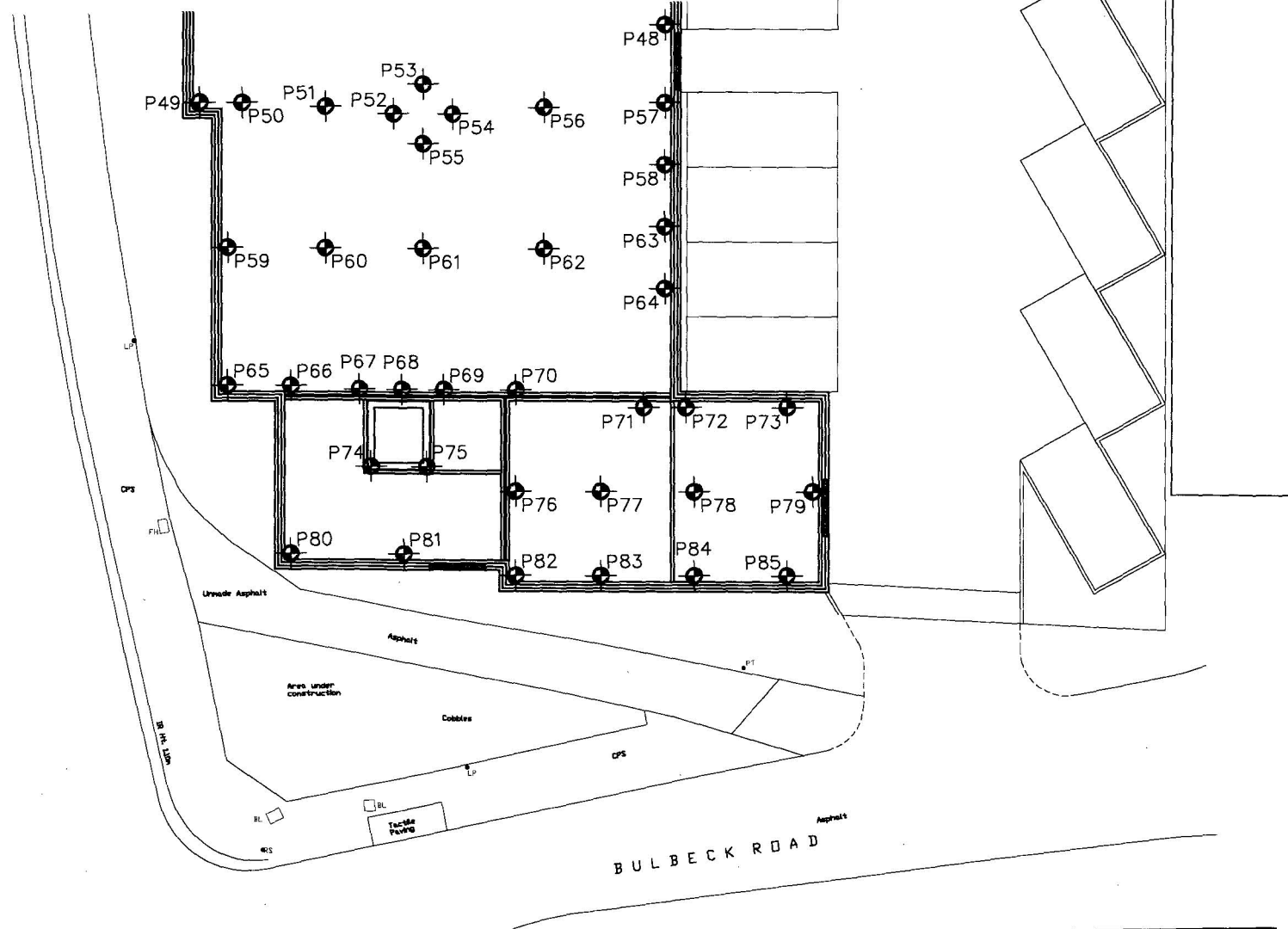
14 OCT 2010

RECEIVED

ENCLOSURE D

**Plan Showing Pile Layout in Relation to Position of
USTs**





CAD Reference :

Revisions

Rev	Date	Drawn	Checked
1	16.06.10	NPC	

FIRST ISSUE

2	23.06.10	NPC	
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COORDINATES INCREASED TO 9 FIGURES

3	21.07.10	NPC	
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PILES 3,4,5,6&9 MADE REDUNDANT,
PILES 86,87,88,89,90&91 ADDED.

Rev	Date	Drawn	Checked
4	29.07.10	NPC	

PILE 88 MADE REDUNDANT, PILE 92 ADDED

5	27.08.10	NPC	
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FOURTH TANK INDICATED ADJACENT PILE 92

Project :

RED SQUARE DEVELOPMENT
SOUTH PARK COURT
HAVANT

Drawing Title :

PILE COORDINATES
SETTING OUT

Mansell

Scale : 1:100

⊗ A1 Size

Drg No. : P117/110

Rev 5



ENCLOSURE E

Waste Transit Notes



Prescribed by the Board of Trade under Section 21 & Schedule 5
of the Weights and Measure Act, 1963

T. J. TRANSPORT LTD

Charity Farm, 127 Wickham Road, Fareham, Hampshire, PO17 5BP
Tel: 01329 226446 Fax: 01329 826167

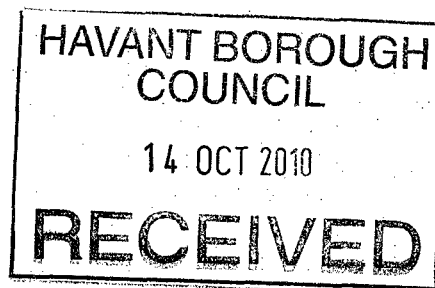
CONVEYANCE / TRANSFER NOTE

Carriers Registration Certificate No. HAM / 409169

Carriers Registration Authority: ENVIRONMENT AGENCY

667186

Driver Name:		Description of Waste	
Registration:		EWC Code	Inert Spoil 17 05 04
Customer:			Hardcore 17 01 02
			Concrete 17 01 01
			Builders Waste 17 09 04
Loaded At:		Other ASCEH	
Deliver To:		Cubic Metres:	1 x LOAD
At:		Gross Weight:	
		Tare Weight:	
		Nett Weight:	
I hereby confirm that the waste described above meets with the conditions of landfill regulations.		Daywork Minimum Hire 8 Hours	
Customer Signature:		Start Time:	
Driver Signature:		Finish Time:	
		Plus Travel Time:	
		Less Break Time:	
		Total Hours:	
Disposal Signature:		No. of loads to tip:	
Disposal / Material Ticket No:		Customers ordering vehicles off the public road do so entirely at their own responsibility. Certified that the above particulars are true and relate to the sand ballast being conveyed in the vehicle described, which sand or ballast is being so conveyed in pursuance of: (a) a sale or agreement for the sale thereof made by the cubic tonne / metre (b) an agreement for the carriage thereof made by the cubic tonne / metre	





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T. J. TRANSPORT LTD

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CONVEYANCE / TRANSFER NOTE

Carriers Registration Certificate No. HAM / 409169

Carriers Registration Authority: ENVIRONMENT AGENCY

66 7185

Driver Name:		Description of Waste	
Registration:		EWG Code	Inert Spoil 17 05 04
Customer:			Hardcore 17 01 02
			Concrete 17 01 01
			Builders Waste 17 09 04
			Other AS CRUSH
Loaded At:		Cubic Metres: 1 x LOAD	
Deliver To:		Gross Weight:	
At:		Tare Weight:	
		Nett Weight:	
Customer Signature:	Daywork Minimum Hire 8 Hours		
Driver Signature:	Start Time:		
	Finish Time:		
	Plus Travel Time:		
	Less Break Time:		
	Total Hours:		
Disposal Signature:	No. of loads to tip:		
Disposal / Material Ticket No:	Customers ordering vehicles off the public road do so entirely at their own responsibility. Certified that the above particulars are true and relate to the sand ballast being conveyed in the vehicle described, which sand or ballast is being so conveyed in pursuance of: (a) a sale or agreement for the sale thereof made by the cubic tonne / metre (b) an agreement for the carriage thereof made by the cubic tonne / metre		





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CONVEYANCE / TRANSFER NOTE

Carriers Registration Certificate No. HAM / 409169

Carriers Registration Authority: ENVIRONMENT AGENCY

657184

Driver Name:		Description of Waste	
Registration:		EWC Code:	Inert Spoil 17 05 04
Customer:			Hardcore 17 01 02
			Concrete 17 01 01
			Builders Waste 17 09 04
			Other AS CRUSH
Loaded At:		Cubic Metres:	1 x LOAD
Deliver To:		Gross Weight:	
At:		Tare Weight:	
		Nett Weight:	
Customer Signature:		Daywork Minimum Hire 8 Hours	
		Start Time:	
Driver Signature:		Finish Time:	
		Plus Travel Time:	
		Less Break Time:	
Disposal Signature:		Total Hours:	
		No. of loads to tip:	
Disposal / Material Ticket No:		Customers ordering vehicles off the public road do so entirely at their own responsibility. Certified that the above particulars are true and relate to the sand ballast being conveyed in the vehicle described, which sand or ballast is being so conveyed in pursuance of: (a) a sale or agreement for the sale thereof made by the cubic tonne / metre (b) an agreement for the carriage thereof made by the cubic tonne / metre	





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CONVEYANCE / TRANSFER NOTE

Carriers Registration Certificate No. HAM / 409169

Carriers Registration Authority: ENVIRONMENT AGENCY

667183

Driver Name:		Description of Waste	
Registration:		EWC Code	Inert Spoil 17.05.04
Customer:			Hardcore 17.01.02
			Concrete 17.01.01
			Builders Waste 17.09.04
			Other 15.06.04
Loaded At:		Cubic Metres: 1.5 LOAD	
Deliver To:	Gross Weight:		
At:	Tare Weight:		
	Nett Weight:		
Customer Signature:		Daywork Minimum Hire 8 Hours	
Driver Signature:		Start Time:	
		Finish Time:	
		Plus Travel Time:	
		Less Break Time:	
		Total Hours:	
Disposal Signature:		No. of loads to tip:	
Disposal / Material Ticket No:		Customers ordering vehicles off the public road do so entirely at their own responsibility. Certified that the above particulars are true and relate to the sand ballast being conveyed in the vehicle described, which sand or ballast is being so conveyed in pursuance of: (a) a sale or agreement for the sale thereof made by the cubic tonne / metre (b) an agreement for the carriage thereof made by the cubic tonne / metre	





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CONVEYANCE / TRANSFER NOTE

Carriers Registration Certificate No. HAM / 409169

667182

Carriers Registration Authority: ENVIRONMENT AGENCY

Driver Name:		Description of Waste:		
Registration:		EWC Code	Inert Spoil	17 05 04
Customer:			Hardcore	17 01 02
			Concrete	17 01 01
Loaded At:			Builders Waste	17 09 04
			Other	AS CLOSA
Deliver To:		Cubic Metres:	1 x LCAH	
At:		Gross Weight:		
		Tare Weight:		
		Nett Weight:		
Customer Signature:		Daywork Minimum Hire 8 Hours		
Driver Signature:		Start Time:		
		Finish Time:		
		Plus Travel Time:		
		Less Break Time:		
		Total Hours:		
Disposal Signature:		No. of loads to tip:		
Disposal / Material Ticket No:		Customers ordering vehicles off the public road do so entirely at their own responsibility. Certified that the above particulars are true and relate to the sand ballast being conveyed in the vehicle described, which sand or ballast is being so conveyed in pursuance of: (a) a sale or agreement for the sale thereof made by the cubic tonne / metre (b) an agreement for the carriage thereof made by the cubic tonne / metre		





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CONVEYANCE / TRANSFER NOTE

Carriers Registration Certificate No. HAM / 409169

667730

Carriers Registration Authority: ENVIRONMENT AGENCY

Driver Name:		Description of Waste	AS CRUSHED	
Registration:		EWC Code	Inert Spoil	17 05 04
Customer:			Hardcore	17 01 02
			Concrete	17 01 01
			Builders Waste	17 09 04
			Other	
Loaded At:		Cubic Metres:	15	
Deliver To:		Gross Weight:		
At:		Tare Weight:		
		Nett Weight:		
Customer Signature:		Daywork Minimum Hire 8 Hours		
Driver Signature:		Start Time:		
		Finish Time:		
		Plus Travel Time:		
		Less Break Time:		
		Total Hours:		
Disposal Signature:		No. of loads to tip:		
Disposal / Material Ticket No:		Customers ordering vehicles off the public road do so entirely at their own responsibility. Certified that the above particulars are true and relate to the sand ballast being conveyed in the vehicle described, which sand or ballast is being so conveyed in pursuance of: (a) a sale or agreement for the sale thereof made by the cubic tonne / metre (b) an agreement for the carriage thereof made by the cubic tonne / metre		





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CONVEYANCE / TRANSFER NOTE

Carriers Registration Certificate No: HAM / 409169

667729

Carriers Registration Authority: ENVIRONMENT AGENCY

Driver Name:		Description of Waste	AS CRUSHED	
Registration:		EWC Code	Inert Spoil	17 05 04
Customer:			Hardcore	17 01 02
			Concrete	17 01 01
			Builders Waste	17 09 04
			Other:	
Loaded At:		Cubic Metres:	15	
Deliver To:		Gross Weight:		
At:		Tare Weight:		
		Nett Weight:		
Customer Signature:		Daywork Minimum Hire 8 Hours		
Driver Signature:		Start Time:		
		Finish Time:		
		Plus Travel Time:		
		Less Break Time:		
		Total Hours:		
Disposal Signature:		No. of loads to tip:		
Disposal / Material Ticket No:		Customers ordering vehicles off the public road do so entirely at their own responsibility. Certified that the above particulars are true and relate to the sand ballast being conveyed in the vehicle described, which sand or ballast is being so conveyed in pursuance of (a) a sale or agreement for the sale thereof made by the cubic tonne / metre (b) an agreement for the carriage thereof made by the cubic tonne / metre		





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CONVEYANCE / TRANSFER NOTE

Carriers Registration Certificate No. HAM / 409169

Carriers Registration Authority: ENVIRONMENT AGENCY

667728

Driver Name:		Description of Waste: <i>15 CRO</i>		
Registration:		EWC Code	Inert Spoil	17 05 04
Customer:			Hardcore	17 01 02
			Concrete	17 01 01
			Builders Waste	17 09 04
			Other	
Loaded At:		Cubic Metres:	<i>15</i>	
Deliver To:		Gross Weight:		
At:		Tare Weight:		
		Nett Weight:		
Customer Signature:		Daywork Minimum Hire 8 Hours		
		Start Time:		
		Finish Time:		
		Plus Travel Time:		
		Less Break Time:		
		Total Hours:		
Disposal Signature:		No. of loads to tip:		
Disposal / Material Ticket No:		Customers ordering vehicles off the public road do so entirely at their own responsibility. Certified that the above particulars are true and relate to the sand ballast being conveyed in the vehicle described, which sand or ballast is being so conveyed in pursuance of: (a) a sale or agreement for the sale thereof made by the cubic tonne / metre (b) an agreement for the carriage thereof made by the cubic tonne / metre		





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CONVEYANCE / TRANSFER NOTE

Carriers Registration Certificate No. HAM / 409169

667727

Carriers Registration Authority: ENVIRONMENT AGENCY

Driver Name:		Description of Waste	AS CRUSHED	
Registration:		EWC Code	Inert Spoil	17 05 04
Customer:			Hardcore	17 01 02
			Concrete	17 01 01
			Builders Waste	17 09 04
			Other	
Loaded At:		Cubic Metres:	15	
Deliver To:		Gross Weight:		
At:		Tare Weight:		
		Nett Weight:		
Customer Signature:		Daywork Minimum Hire 8 Hours		
Dr Signature:		Start Time:		
		Finish Time:		
		Plus Travel Time:		
		Less Break Time:		
		Total Hours:		
Disposal Signature:		No. of loads to tip:		
Disposal / Material Ticket No:		Customers ordering vehicles off the public road do so entirely at their own responsibility. Certified that the above particulars are true and relate to the sand ballast being conveyed in the vehicle described, which sand or ballast is being so conveyed in pursuance of: (a) a sale or agreement for the sale thereof made by the cubic tonne / metre (b) an agreement for the carriage thereof made by the cubic tonne / metre		





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CONVEYANCE / TRANSFER NOTE

Carriers Registration Certificate No: HAM / 409169

667726

Carriers Registration Authority: ENVIRONMENT AGENCY

Driver Name:		Description of Waste	As crushed		
Registration:		EWC Code	Inert Spoil	17 05 04	
Customer:			Hardcore	17 01 02	
			Concrete	17 01 01	
			Builders Waste	17 09 04	
			Other		
Loaded At:			Cubic Metres:	15	
Deliver To:			Gross Weight:		
At:			Tare Weight:		
			Nett Weight:		
Customer Signature:		Daywork Minimum Hire: 8 Hours			
Driver Signature:		Start Time:			
		Finish Time:			
		Plus Travel Time:			
		Less Break Time:			
		Total Hours:			
Disposal Signature:		No. of loads to tip:			
Disposal / Material Ticket No:		Customers ordering vehicles off the public road do so entirely at their own responsibility. Certified that the above particulars are true and relate to the sand ballast being conveyed in the vehicle described, which sand or ballast is being so conveyed in pursuance of: (a) a sale or agreement for the sale thereof made by the cubic tonne / metre (b) an agreement for the carriage thereof made by the cubic tonne / metre			





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CONVEYANCE / TRANSFER NOTE

Carriers Registration Certificate No. HAM / 409169

652719

Carriers Registration Authority: ENVIRONMENT AGENCY

Driver Name:		Description of Waste	
Registration:		EWC Code	Inert Spoil 17 05 04
Customer:		muck	Hardcore 17 01 02
Loaded At:			Concrete 17 01 01
Deliver To:			Builders Waste 17 09 04
At:			Other
Customer Signature:		Cubic Metres:	
Driver Signature:		Gross Weight:	
Disposal Signature:		Tare Weight:	
Disposal / Material Ticket No:		Nett Weight:	
	Daywork Minimum Hire 8 Hours		
	Start Time:		
	Finish Time:		
	Plus Travel Time:		
	Less Break Time:		
	Total Hours:		
	No. of loads to tip:		
	Customers ordering vehicles off the public road do so entirely at their own responsibility.		
	Certified that the above particulars are true and relate to the sand ballast being conveyed in the vehicle described, which sand or ballast is being so conveyed in pursuance of:		
	(a) a sale or agreement for the sale thereof made by the cubic tonne / metre		
	(b) an agreement for the carriage thereof made by the cubic tonne / metre		





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CONVEYANCE / TRANSFER NOTE

Carriers Registration Certificate No. HAM / 409169

Carriers Registration Authority: ENVIRONMENT AGENCY

652721

Driver Name:		Description of Waste		
Registration:		EWC Code	Inert Spoil 17 05 04	
Customer:		MOCK	Hardcore 17 01 02	
Loaded At:			Concrete 17 01 01	
Deliver To:			Builders Waste 17 09 04	
At:			Other	
		Cubic Metres:		
Customer Signature:		Gross Weight:		
Driver Signature:		Tare Weight:		
Disposal Signature:		Nett Weight:		
Disposal / Material Ticket No:	Daywork Minimum Hire 8 Hours			
	Start Time:			
	Finish Time:			
	Plus Travel Time:			
	Less Break Time:			
	Total Hours:			
	No. of loads to tip:			
Customers ordering vehicles off the public road do so entirely at their own responsibility. Certified that the above particulars are true and relate to the sand ballast being conveyed in the vehicle described, which sand or ballast is being so conveyed in pursuance of: (a) a sale or agreement for the sale thereof made by the cubic tonne / metre (b) an agreement for the carriage thereof made by the cubic tonne / metre				





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CONVEYANCE / TRANSFER NOTE

Carriers Registration Certificate No. HAM / 409169

652720

Carriers Registration Authority: ENVIRONMENT AGENCY

Driver Name:		Description of Waste		
Registration:		EWC Code	Inert Spoil 17 05 04	
Customer:		615	Hardcore 17 01 02	
Loaded At:			Concrete 17 01 01	
Deliver To:			Builders Waste 17 09 04	
At:			Other	
Customer Signature:		Cubic Metres:		
Driver Signature:		Gross Weight:		
Disposal Signature:		Tare Weight:		
Disposal / Material Ticket No:		Nett Weight:		
	Daywork Minimum Hire 8 Hours			
	Start Time:			
	Finish Time:			
	Plus Travel Time:			
	Less Break Time:			
	Total Hours:			
	No. of loads to tip:			
	Customers ordering vehicles off the public road do so entirely at their own responsibility.			
	Certified that the above particulars are true and relate to the sand ballast being conveyed in the vehicle described, which sand or ballast is being so conveyed in pursuance of: (a) a sale or agreement for the sale thereof made by the cubic tonne / metre (b) an agreement for the carriage thereof made by the cubic tonne / metre			





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Carriers Registration Authority: ENVIRONMENT AGENCY

652722

Driver Name:		Description of Waste	
Registration:		EWC Code	Inert Spoil 17 05 04
Customer:		6FS	Hardcore 17 01 02
Loaded At:			Concrete 17 01 01
Deliver To:			Builders Waste 17 09 04
At:			Other
		Cubic Metres:	
		Gross Weight:	
		Tare Weight:	
		Nett Weight:	
Customer Signature:	Daywork Minimum Hire 8 Hours		
Driver Signature:	Start Time:		
	Finish Time:		
	Plus Travel Time:		
	Less Break Time:		
	Total Hours:		
Disposal Signature:	No. of loads to tip:		
Disposal / Material Ticket No:	Customers ordering vehicles off the public road do so entirely at their own responsibility. Certified that the above particulars are true and relate to the sand ballast being conveyed in the vehicle described, which sand or ballast is being so conveyed in pursuance of: (a) a sale or agreement for the sale thereof made by the cubic tonne / metre (b) an agreement for the carriage thereof made by the cubic tonne / metre		

