31st October 2018

Our ref: GE17128/WH01/181031

Geo-Environmental

Martin Naldrett
7 Ormonde Way,
Shoreham by Sea
West Sussex
BN43 5YB

Dear Martin,

RE: 7A Ormonde Way, Shoreham by Sea - Topsoil

Further to your instruction, we write to validate Topsoil placement on this development.

During the previous investigation (GE16478/GAR/JUL17) concentrations of Lead and Benzo(a)pyrene encountered in the near surface soils (276-389mg/kg and 9.7mg/kg respectively) exceeded their respective C4SL values (200mg/kg and 5.0mg/kg respectively) for the proposed end use. Therefore, in the report referenced GE16478/GAR/JUL17 it was recommended that a cover system be adopted in proposed garden areas to sever any pollutant linkage between the end users and the contaminants within the near surface soils. The details of the cover system were provided in the Ground Appraisal Report and the Remediation Method Statement prepared by Green Space Homes Ltd. In summary, the cover system was to comprise 600mm of clean topsoil/subsoil including a minimum of 150mm of Topsoil. Topsoil was imported on to this development by the client. This was placed within a raised garden, so as to achieve the required cover thickness. In addition to this recommendation, a geotextile has been placed at the base of the cover system.

The suitability of the Topsoil has been assessed by a combination of means comprising a site visit by Geo-Environmental to visually inspect the imported Topsoil materials and independent laboratory analysis undertaken on samples of Topsoil following placement on site. The client also provided details of chemical analysis undertaken on behalf of the Topsoil supplier, which confirmed suitability for use prior to importation. A copy of the pre-import chemical testing results is attached.

Geo-Environmental Services was provided with photographs of the remedial works covering the various stages comprising excavation of soils, placement of geotextile and placement of Topsoil. These are presented on the photo sheet attached.

Conveyance notes for the importation of the Topsoil and removal of the waste soil arisings are appended.

Site Inspection

Site inspections were undertaken in July 2018 during Topsoil placement and in October 2018 post completion of the cover system. The area of the remediation is indicated on Figure 2 appended.

Within the garden area two hand pits (TP101 and TP102) were excavated and the Topsoil was observed to a depth in excess of 400mm and generally comprised a brown sandy clay with frequent rootlets and fine to coarse flint gravel. This overlaid a Subsoil to depths of 480mm (TP102) – 600mm (TP101). A geotextile membrane was located at the base of the Subsoil. No evidence of

hazardous materials (e.g. large stones, bricks, metal, glass, plastic, oil, sharps or the like) was observed during the site visit. The locations of the hand pits are presented in Figure 1.

In order to assess the general chemical quality of the strata encountered, samples of soils recovered from the exploratory holes were submitted for analysis for a range of potential contaminants selected on the basis of the findings of the desk study and supported by the joint National House Building Council (NHBC), Environment Agency (EA) and Chartered Institute of Environmental Health (CIEH) publication, 'Guidance for the Safe Development of Housing on Land Affected by Contamination' (2008).

Soil samples were placed into plastic containers for general inorganic analysis and into amber jars for organic analysis. Samples were stored in temperature controlled conditions from sampling until receipt at the laboratory from which time sample preparation and storage was determined by testing requirements and in line with the laboratory's protocols.

A total of three soil samples were recovered and submitted for geochemical analysis for human health assessment.

Soil Analyses

Chemical analysis for a broad range of brownfield contaminants was undertaken on three samples recovered from the garden. Two of topsoil, one of subsoil. The results showed compliance with the threshold values of the Category 4 Screening Levels (C4SLs) and ATRISK levels for residential with home-grown produce.

Conclusions and Recommendations

The site inspection and testing undertaken has demonstrated that the Topsoil placed in the raised garden for 7A Ormonde Way meet the chemical criteria for human health (C4SL and ATRISK) and thus is considered suitable for placement in the private garden on this development.

One of the hand pits found the depth of cover to be slightly below that specified (480mm compared to 600mm). However, this was pre the placement of turf which will increase the cover by c.50mm. It should be noted that the 'as-built' cover system included a geotextile membrane that will effectively prevent mixing with the underlying soils of the impacted Made Ground. Therefore, it is considered the constructed cover system is suitable and protective of human health.

We trust we have interpreted your instruction correctly and provided sufficient information for your current requirements. Should you have any queries please do not hesitate to contact us.

Yours sincerely
For and on Behalf of Geo-Environmental



WILLIAM HUGHES MGeol (Hons), MSc, FGS
Consultant Engineer
Email: william.hughes@gesl.net
Encs.

Figure 1 – Sample Location Plans
Figure 2 – Remediated Area
Photo sheet
Pre-Import Chemical Test Results
Validation Chemical Test Results
Planning Approval
Conveyance Notes

Caveat

The data collected from the sampling have been used to provide an interpretation of the environmental conditions pertaining to the site. The recommendations and opinions expressed in this report are based on the data obtained. Geo-Environmental takes no responsibility for conditions that either have not been revealed in the available records, or that occurs between or under points of physical investigation. Whilst every effort has been made to interpret the conditions, such information is only indicative and liability cannot be accepted for its accuracy.

It should be noted that in particular the concentrations and levels of contaminants may vary with time due to anthropogenic inputs, such as aerial deposition. The results obtained may therefore only be representative of the conditions at the time of investigation.

Information contained in this report is intended for the use of the Client, and Geo-Environmental can take no responsibility for the use of this information by any party for uses other than that described in this report. Geo-Environmental makes no warranty or representation whatsoever express or implied with respect to the use of this information by any third party. Geo-Environmental does not indemnify the Client or any third parties against any dispute or claim arising from any finding or other result of this investigation report or any consequential losses.

Geo-Environmental



Project:	7 Ormonde Way, Shoreham By Sea, BN43 5YB			**Title**	Site Investigation Plan
Client:	Mr Naldrett/Greenspace Homes Limited			**Geo-Environmental Services Ltd**	
Ref No:	GE17128	**Revision:**	v1	**Danworth Farm, Unit 7, Cuckfield Road,**	
Drawn:	KB	**Date:**	31/10/2018	**Hurstpierpoint, Wet Sussex, BN6 9GL**	
Figure:	1	**Scale:**	NTS	**E: mail@gesl.net T: 01273 832972**	

Geo-Environmental



Remediated Area

Project:	7 Ormonde Way, Shoreham By Sea, BN43 5YB			**Title**	Site Investigation Plan
Client:	Mr Naldrett/Greenspace Homes Limited			**Geo-Environmental Services Ltd** **Danworth Farm, Unit 7, Cuckfield Road,** **Hurstpierpoint, Wet Sussex, BN6 9GL** **E: mail@gesl.net T: 01273 832972**	
Ref No:	GE17128	**Revision:**	v1		
Drawn:	KB	**Date:**	31/10/2018		
Figure:	1	**Scale:**	NTS		



1 Breaking out of existing concrete



2 Breaking out of existing concrete



3 Breaking out of existing concrete



4 Stockpile of original soil



5 Removal of original soil



6 Installation of membrane



7 Clean topsoil



8 Clean topsoil



9 TP101 and TP102 locations



10 TP101 spoil



11 TP101 depth



12 TP101



13 TP102 spoil



14 TP102 depth



15 TP102

Our Ref: 17-08766
Your Ref: PAID WITH CARD

ENVIROCHEM
Analytical Laboratories Ltd.
12 The Gardens
Broadcut, Fareham
Hampshire
PO16 8SS

Tel: (01329) 287777
Fax: (01329) 287755
www.envirochem.co.uk
lab@envirochem.co.uk

Analysis Report

Client: The Woodhorn Group
Woodhorn Business Centre
Woodhorn Lane
Oving
Chichester
PO20 2BX

Sample Details: 5 soil samples for Soil Analysis

Date report issued: 18 December 2017

Number of pages (including this header): 5

Accreditation

All analytes marked **M** have been analysed under the scope of our MCERTS accreditation
All analytes marked **U** have been analysed under the scope of our UKAS accreditation
All analytes marked **m** have been subcontracted and analysed under the scope of their MCERTS accreditation
All analytes marked **u** have been subcontracted and analysed under the scope of their UKAS accreditation
All results labelled with an asterisk (*) are non-conforming due to incorrect sample storage or handling. The result may be invalid.

Signed on behalf of Envirochem by an authorised signatory



Rhea Shears

Occupational Hygienist

Reg. No. 2378228 England. Registered Office: Envirochem, 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS.

ENVIROCHEM
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www.envirochem.co.uk
lab@envirochem.co.uk

MCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME
UKAS TESTING 1227

Client: The Woodhorn Group
Site: Tangmere Composting Site
Sampled By: Client
Envirochem Job No. 17-08766

Date Sampled: 7 December 2017
Date Received: 8 December 2017
Date Completed: 15 December 2017
Date Issued: 15 December 2017

			Lab Sample No.	23573	23574	23575	23576			
			Soil Type	Sandy loam	Sandy loam	Sandy loam	Sandy loam			
			Sample Date	07/12/2017	07/12/2017	07/12/2017	07/12/2017			
			Sample Time							
			Sample Location / Details	bs3882 Topsoil 1	bs3882 Topsoil 2	bs3882 Topsoil 3	bs3882 Topsoil 4			
Determination	Units	Method	Detection Limit					Limits		
								Resid.	Allot.	Comm.
Particle size > 2mm	%	6.16	-	10	12	9	11	---	---	---
water content 105C	%	6.01	1.0	22.3	24.6	24.0	24.8	---	---	---
arsenic	mg/kg (dry	6.08	2.0	4.2 M	2.9 M	3.4 M	3.6 M	32+	43+	640+
cadmium	mg/kg (dry	6.08	1.0	1.7 M	1.3 M	1.2 M	1.4 M	10+	1.8+	230+
chromium	mg/kg	6.08	2.0	10.4 M	7.8 M	7.0 M	8.0 M	600+++	600+++	1000+
copper	mg/kg (dry	6.08	1.0	16.4 M	15.2 M	15.6 M	16.0 M	2330++	524++	71700
mercury	mg/kg (dry	6.08	1.00	< 1.00	< 1.00	< 1.00	< 1.00	1.0+	26+	26+
nickel	mg/kg (dry	6.08	14.0	< 14.0 M	< 14.0 M	< 14.0 M	< 14.0 M	130+	230+	1800+
lead	mg/kg (dry	6.08	5.0	22.6 M	42.9 M	24.6 M	23.8 M	500+++	500+++	2000+
antimony	mg/kg (dry	6.08	10.0	< 10.0	< 10.0	< 10.0	< 10.0	---	---	---
selenium	mg/kg (dry	6.08	3.0	< 3.0	< 3.0	< 3.0	< 3.0	350+	120+	13000+
zinc	mg/kg (dry	6.08	40.0	49.7 M	46.9 M	48.3 M	47.9 M	3750++	618++	66500
total TPH (C10 - C40)	mg/kg	6.04	50.0	230	225	324	256	---	---	---
TPH Aliphatic (C8-C10)	mg/kg	6.04	10.0	< 10.0	< 10.0	< 10.0	< 10.0	110++	1700++	12000
TPH Aliphatic (C10-C12)	mg/kg	6.04	10.0	< 10.0	< 10.0	< 10.0	< 10.0	540++	7300++	49000
TPH Aliphatic (C12-C16)	mg/kg	6.04	10.0	< 10.0	< 10.0	< 10.0	< 10.0	3000++	13000	91000
TPH Aliphatic (C16-C21)	mg/kg	6.04	10.0	11.8	11.5	16.6	13.1	76000	27000	18000
TPH Aliphatic (C21-C40)	mg/kg	6.04	10.0	65.5	63.9	92.0	72.9	76000	27000	18000
TPH Aromatic (C8-C10)	mg/kg	6.04	10.0	< 10.0	< 10.0	< 10.0	< 10.0	151++	51++	18000
TPH Aromatic (C10-C12)	mg/kg	6.04	10.0	< 10.0	< 10.0	< 10.0	< 10.0	346++	74++	34500
TPH Aromatic (C12-C16)	mg/kg	6.04	10.0	< 10.0	< 10.0	< 10.0	< 10.0	593++	130++	37800
TPH Aromatic (C16-C21)	mg/kg	6.04	10.0	13.4	13.1	18.8	17.9	770++	260++	28000
TPH Aromatic (C21-C40)	mg/kg	6.04	10.0	130	127	183	145	1230++	1600++	28000
total PAHs	mg/kg	6.05	10.0	< 10.0	< 10.0	< 10.0	< 10.0	---	---	---
PAH Acenaphthene	mg/kg	6.05	1.0	< 1.0	< 1.0	< 1.0	< 1.0	1000++	200++	10000
PAH Acenaphthylene	mg/kg	6.05	1.0	< 1.0	< 1.0	< 1.0	< 1.0	850++	160++	10000
PAH Anthracene	mg/kg	6.05	1.0	< 1.0	< 1.0	< 1.0	< 1.0	9200++	2200++	54000
PAH Benzo(a)pyrene	mg/kg	6.05	0.1	< 0.1	< 0.1	< 0.1	< 0.1	1++	2.1++	14++
PAH Benz(a)anthracene	mg/kg	6.05	1.0	< 1.0	< 1.0	< 1.0	< 1.0	5.9++	10++	97++
PAH Benzo(b)fluoranthene	mg/kg	6.05	1.0	< 1.0	< 1.0	< 1.0	< 1.0	7++	13++	100++
PAH Benzo(k)fluoranthene	mg/kg	6.05	1.0	< 1.0	< 1.0	< 1.0	< 1.0	10++	23++	140++

Limits labelled '+' are soil guideline values from Defra 2002 (information taken from: Using Soil Guideline Values: Science Report: SC050021/SGV introduction & www.environment-agency.gov.uk/clea)
Limits labelled '++' are LQM Soil Guideline Values
Limits labelled '+++' are ICRCL 59/83 trigger concentrations. These do not differentiate between domestic and allotments

Reg. No. 2378228 England. Registered Office: Envirochem, 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS.

Client: The Woodhorn Group
Site: Tangmere Composting Site
Sampled By: Client
Envirochem Job No. 17-08766

Date Sampled: 7 December 2017
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			Soil Type	Sandy loam	Sandy loam	Sandy loam	Sandy loam			
			Sample Date	07/12/2017	07/12/2017	07/12/2017	07/12/2017			
			Sample Time							
			Sample Location / Details	bs3882 Topsoil 1	bs3882 Topsoil 2	bs3882 Topsoil 3	bs3882 Topsoil 4			
Determination	Units	Method	Detection Limit					Limits		
								Resid.	Allot.	Comm.
PAH Chrysene	mg/kg	6.05	1.0	< 1.0	< 1.0	< 1.0	< 1.0	9.3++	12++	140++
PAH Dibenzo(a,h)anthracene	mg/kg	6.05	0.9	< 0.9	< 0.9	< 0.9	< 0.9	0.9++	2.3++	13++
PAH Fluorene	mg/kg	6.05	1.0	< 1.0	< 1.0	< 1.0	< 1.0	780++	160++	71000
PAH Fluoranthene	mg/kg	6.05	1.0	< 1.0	< 1.0	< 1.0	< 1.0	670++	290++	23000
PAH Indeno(1,2,3-c,d)pyrene	mg/kg	6.05	1.0	< 1.0	< 1.0	< 1.0	< 1.0	4.2++	7.1++	63++
PAH Napthalene	mg/kg	6.05	1.0	< 1.0	< 1.0	< 1.0	< 1.0	8.7++	23++	1100++
PAH Phenanthrene	mg/kg	6.05	1.0	< 1.0	< 1.0	< 1.0	< 1.0	380++	90++	23000
PAH Pyrene	mg/kg	6.05	1.0	< 1.0	< 1.0	< 1.0	< 1.0	1600++	620++	54000
PAH Benzo(g,h,i)perylene	mg/kg	6.05	1.0	< 1.0	< 1.0	< 1.0	< 1.0	47++	160++	660++
MTBE	mg/kg	6.11	1.0	< 1.0	< 1.0	< 1.0	< 1.0	---	---	---
Benzene	mg/kg	6.11	0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.33	0.07	95
Toluene	mg/kg	6.11	1.0	< 1.0	< 1.0	< 1.0	< 1.0	610	120	4400
Ethyl Benzene	mg/kg	6.11	1.0	< 1.0	< 1.0	< 1.0	< 1.0	350	90	2800
Xylene	mg/kg	6.11	1.0	< 1.0	< 1.0	< 1.0	< 1.0	250	180	3500

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Date Sampled: 7 December 2017
Date Received: 8 December 2017
Date Completed: 15 December 2017
Date Issued: 15 December 2017

			Lab Sample No.	23577						
			Soil Type	Sandy loam						
			Sample Date	07/12/2017						
			Sample Time							
			Sample Location / Details	bs3882 Topsoil 5						
Determination	Units	Method	Detection Limit					Limits		
								Resid.	Allot.	Comm.
Particle size > 2mm	%	6.16	-	13				---	---	---
water content 105C	%	6.01	1	23.0				---	---	---
arsenic	mg/kg	6.08	2	3.9 M				32+	43+	640+
cadmium	mg/kg	6.08	1	1.4 M				10+	1.8+	230+
chromium	mg/kg	6.08	2	9.3 M				600+++	600+++	1000+
copper	mg/kg	6.08	1	17.9 M				2330++	524++	71700
mercury	mg/kg	6.08	1.0	< 1.00				1.0+	26+	26+
nickel	mg/kg	6.08	14	< 14.0 M				130+	230+	1800+
lead	mg/kg	6.08	5	22.9 M				500+++	500+++	2000+
antimony	mg/kg	6.08	10	< 10.0				---	---	---
selenium	mg/kg	6.08	3	< 3.0				350+	120+	13000+
zinc	mg/kg	6.08	40	47.2 M				3750++	618++	66500
total TPH (C10 - C40)	mg/kg	6.04	50	230				---	---	---
TPH Aliphatic (C8-C10)	mg/kg	6.04	10	< 10.0				110++	1700++	12000
TPH Aliphatic (C10-C12)	mg/kg	6.04	10	< 10.0				540++	7300++	49000
TPH Aliphatic (C12-C16)	mg/kg	6.04	10	< 10.0				3000++	13000	91000
TPH Aliphatic (C16-C21)	mg/kg	6.04	10	18.8				76000	27000	18000
TPH Aliphatic (C21-C40)	mg/kg	6.04	10	105				76000	27000	18000
TPH Aromatic (C8-C10)	mg/kg	6.04	10	< 10.0				151++	51++	18000
TPH Aromatic (C10-C12)	mg/kg	6.04	10	< 10.0				346++	74++	34500
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total PAHs	mg/kg	6.05	10	< 10.0				---	---	---
PAH Acenaphthene	mg/kg	6.05	1	< 1.0				1000++	200++	10000
PAH Acenaphthylene	mg/kg	6.05	1	< 1.0				850++	160++	10000
PAH Anthracene	mg/kg	6.05	1	< 1.0				9200++	2200++	54000
PAH Benzo(a)pyrene	mg/kg	6.05	0	< 0.1				1++	2.1++	14++
PAH Benz(a)anthracene	mg/kg	6.05	1	< 1.0				5.9++	10++	97++
PAH Benzo(b)fluoranthene	mg/kg	6.05	1	< 1.0				7++	13++	100++

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			Lab Sample No.	23577						
			Soil Type	Sandy loam						
			Sample Date	07/12/2017						
			Sample Time							
			Sample Location / Details	bs3882 Topsoil 5						
Determination	Units	Method	Detection Limit					Limits		
								Resid.	Allot.	Comm.
PAH Benzo(k)fluoranthene	mg/kg	6.05	1	< 1.0				10++	23++	140++
PAH Chrysene	mg/kg	6.05	1	< 1.0				9.3++	12++	140++
PAH Dibenzo(a,h)anthracene	mg/kg	6.05	1	< 0.9				0.9++	2.3++	13++
PAH Fluorene	mg/kg	6.05	1	< 1.0				780++	160++	71000
PAH Fluoranthene	mg/kg	6.05	1	< 1.0				670++	290++	23000
PAH Indeno(1,2,3-c,d)pyrene	mg/kg	6.05	1	< 1.0				4.2++	7.1++	63++
PAH Napthalene	mg/kg	6.05	1	< 1.0				8.7++	23++	1100++
PAH Phenanthrene	mg/kg	6.05	1	< 1.0				380++	90++	23000
PAH Pyrene	mg/kg	6.05	1	< 1.0				1600++	620++	54000
PAH Benzo(g,h,i)perylene	mg/kg	6.05	1	< 1.0				47++	160++	660++
MTBE	mg/kg	6.11	1	< 1.0				---	---	---
Benzene	mg/kg	6.11	0	< 0.1				0.33	0.07	95
Toluene	mg/kg	6.11	1	< 1.0				610	120	4400
Ethyl Benzene	mg/kg	6.11	1	< 1.0				350	90	2800
Xylene	mg/kg	6.11	1	< 1.0				250	180	3500

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Certificate of Analysis

Client: F.A.O CAMERON LEWIS
(G 19) THE WOODHORN GROUP LTD
OVING
CHICHESTER
W SUSSEX
PO20 2BX

Originator: TANGMERE STOCK SOIL

Lab ID: 90803 - 372830
Sample ID: BS 3882 TOPSOIL 20MM
Sample Weight: 1682g

Date Received: 12/02/2018
Date Reported: 16/02/2018

BS 3882 : 2015 SPECIFICATION FOR TOPSOIL
Multipurpose Grade

		Unit	Result		Compliant with range (Y/N) Multi-P	Acid	Calc	Low-F	Low-F Acid	Low-F Calc
Texture:	Clay	% w/w	16							
	Silt	% w/w	17			*See area of permitted soil textural*				
	Sand	% w/w	67			*classes in Fig. 1.*				
	Textural Class		Sandy Loam		Y	Y	Y	Y	Y	Y
Organic Matter:		% w/w	8.7		Y	Y	Y	Y	Y	Y
Coarse	>2 mm	% w/w	1.2		Y	Y	Y	Y	Y	Y
Fragment	>20 mm	% w/w	0.0		Y	Y	Y	Y	Y	Y
Content:	>50 mm	% w/w	0.0		Y	Y	Y	Y	Y	Y
Soil pH:			7.9		Y	N	Y	Y	N	Y
Carbonate:		% w/w	1.3				Y			Y
Available	Nitrogen	% w/w	0.320		Y	Y	Y			
Plant	Phosphorus	mg/l	37.0	(3)*	Y	Y	Y	N	N	N
Nutrients:	Potassium	mg/l	1401.2	(6)*	Y	Y	Y			
	Magnesium	mg/l	239.9	(4)*	Y	Y	Y			
Carbon:Nitrogen Ratio:		:1	15.8		Y	Y	Y	Y	Y	Y
Exchangeable Sodium Percentage:		%	5.8							
Phytotoxic	Total Zinc	mg/kg	57.9		Y	Y	Y	Y	Y	Y
Contaminants:	Total Copper	mg/kg	19.0		Y	Y	Y	Y	Y	Y
	Total Nickel	mg/kg	21.6		Y	Y	Y	Y	Y	Y
Visible	> 2mm	% w/w	0.02		Y	Y	Y	Y	Y	Y
Contaminants:	Plastics	% w/w	0.01		Y	Y	Y	Y	Y	Y
	Number of Sharps		0		Y	Y	Y	Y	Y	Y
Additional	Available Sodium	mg/l	162.9							
Analysis:	Available Calcium	mg/l	1177.8							
	Conductivity	uS/cm	2809		Y					
Compliancy:					**Y**	**N**	**Y**	**N**	**N**	**N**

Results are expressed on a dry matter basis.
* Soil indices from RB209

Released by: *Darren Whitbread* **Date: 16/02/2018**

DECLARATION: I certify that this sample has been analysed by NRM in accordance with BS 3882 Specification for Topsoil (2015).

NRM Coopers Bridge, Braziers Lane, Bracknell, Berkshire RG42 6NS
Tel: +44 (0) 1344 886338 **Fax:** +44 (0) 1344 890972 **Email:** enquiries@nrm.uk.com **www.**nrm.uk.com

NRM Laboratories is a division of Cawood Scientific Ltd, Coopers Bridge, Braziers Lane, Bracknell, Berkshire RG42 6NS Registered Number: 05655711

Analytical Report

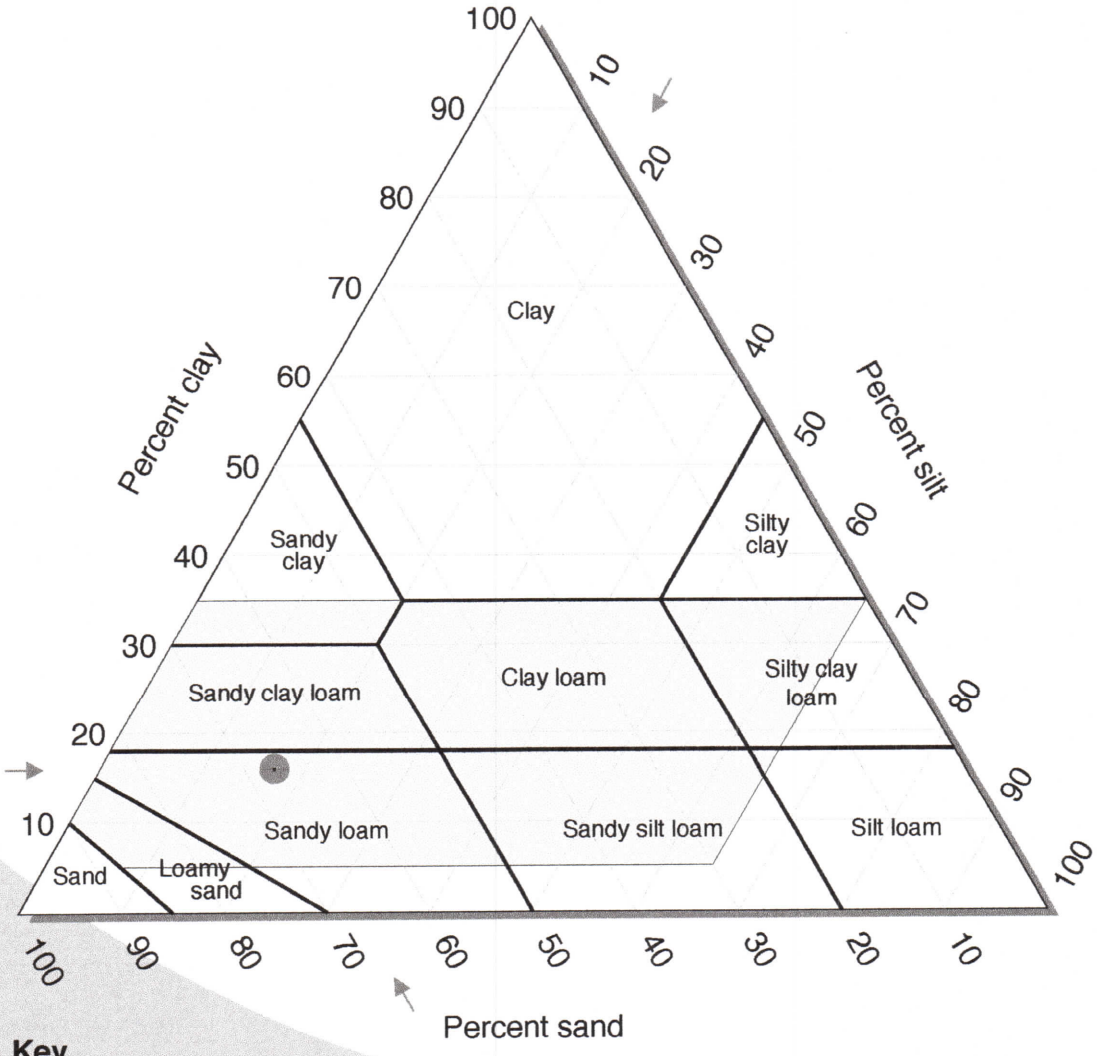
Client: F.A.O CAMERON LEWIS
(G 19) THE WOODHORN GROUP LTD
OVING
CHICHESTER
W SUSSEX
PO20 2BX

Originator: TANGMERE STOCK SOIL

Lab ID: 90803 - 372830
Sample ID: BS 3882 TOPSOIL 20MM
Sample Weight: 1682g

Date Received: 12/02/2018
Date Reported: 16/02/2018

Fig. 1. Textural Class: Sandy Loam (compliant)



Key

Area within which texture of topsoil is required to fall.

NRM Coopers Bridge, Braziers Lane, Bracknell, Berkshire RG42 6NS
Tel: +44 (0) 1344 886338 **Fax:** +44 (0) 1344 890972 **Email:** enquiries@nrm.uk.com **www.**nrm.uk.com

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12 The Gardens
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Hampshire
PO16 8SS

Tel: (01329) 287777
Fax: (01329) 287755
www.envirochem.co.uk
lab@envirochem.co.uk

Our Ref: 17-08766
Your Ref: PAID WITH CARD

Analysis Report

Client: The Woodhorn Group
Woodhorn Business Centre
Woodhorn Lane
Oving
Chichester
PO20 2BX

Sample Details: 5 soil samples for Soil Analysis

Date report issued: 18 December 2017

Number of pages (including this header): 5

Accreditation

All analytes marked ^{M} have been analysed under the scope of our MCERTS accreditation
All analytes marked ^{U} have been analysed under the scope of our UKAS accreditation
All analytes marked ^{m} have been subcontracted and analysed under the scope of their MCERTS accreditation
All analytes marked ^{u} have been subcontracted and analysed under the scope of their UKAS accreditation
All results labelled with an asterisk (*) are non-conforming due to incorrect sample storage or handling. The result may be invalid.

Signed on behalf of Envirochem by an authorised signatory

Rhea Shears

Occupational Hygienist

Reg. No. 2378228 England. Registered Office: Envirochem, 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS.

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mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME
UKAS TESTING 1227

Client: The Woodhorn Group
Site: Tangmere Composting Site
Sampled By: Client
Envirochem Job No. 17-08766

Date Sampled: 7 December 2017
Date Received: 8 December 2017
Date Completed: 15 December 2017
Date Issued: 15 December 2017

Lab Sample No.	23573	23574	23575	23576	Limits		
Soil Type	Sandy loam	Sandy loam	Sandy loam	Sandy loam			
Sample Date	07/12/2017	07/12/2017	07/12/2017	07/12/2017			
Sample Time							
Sample Location / Details	bs3882 Topsoil 1	bs3882 Topsoil 2	bs3882 Topsoil 3	bs3882 Topsoil 4			
Determination	Units	Method	Detection Limit					Resid.	Allot.	Comm.
Particle size > 2mm	%	6.16	-	10	12	9	11	—	—	—
water content 105C	%	6.01	1.0	22.3	24.6	24.0	24.8	—	—	—
a[illegible]c	mg/kg (dry	6.08	2.0	4.2 M	2.9 M	3.4 M	3.6 M	32+	43+	640+
cadmium	mg/kg (dry	6.08	1.0	1.7 M	1.3 M	1.2 M	1.4 M	10+	1.8+	230+
chromium	mg/kg	6.08	2.0	10.4 M	7.8 M	7.0 M	8.0 M	600+++	600+++	1000+
copper	mg/kg (dry	6.08	1.0	16.4 M	15.2 M	15.6 M	16.0 M	2330++	524++	71700
mercury	mg/kg (dry	6.08	1.00	< 1.00	< 1.00	< 1.00	< 1.00	1.0+	26+	26+
nickel	mg/kg (dry	6.08	14.0	< 14.0 M	< 14.0 M	< 14.0 M	< 14.0 M	130+	230+	1800+
lead	mg/kg (dry	6.08	5.0	22.6 M	42.9 M	24.6 M	23.8 M	500+++	500+++	2000+
antimony	mg/kg (dry	6.08	10.0	< 10.0	< 10.0	< 10.0	< 10.0	—	—	—
selenium	mg/kg (dry	6.08	3.0	< 3.0	< 3.0	< 3.0	< 3.0	350+	120+	13000+
zinc	mg/kg (dry	6.08	40.0	49.7 M	46.9 M	48.3 M	47.9 M	3750++	618++	66500
total TPH (C10 - C40)	mg/kg	6.04	50.0	230	225	324	256	—	—	—
TPH Aliphatic (C8-C10)	mg/kg	6.04	10.0	< 10.0	< 10.0	< 10.0	< 10.0	110++	1700++	12000
TPH Aliphatic (C10-C12)	mg/kg	6.04	10.0	< 10.0	< 10.0	< 10.0	< 10.0	540++	7300++	49000
TPH Aliphatic (C12-C16)	mg/kg	6.04	10.0	< 10.0	< 10.0	< 10.0	< 10.0	3000++	13000	91000
TPH Aliphatic (C16-C21)	mg/kg	6.04	10.0	11.8	11.5	16.6	13.1	76000	27000	18000
TPH Aliphatic (C21-C40)	mg/kg	6.04	10.0	65.5	63.9	92.0	72.9	76000	27000	18000
TPH Aromatic (C8-C10)	mg/kg	6.04	10.0	< 10.0	< 10.0	< 10.0	< 10.0	151++	51++	18000
TPH Aromatic (C10-C12)	mg/kg	6.04	10.0	< 10.0	< 10.0	< 10.0	< 10.0	346++	74++	34500
TPH Aromatic (C12-C16)	mg/kg	6.04	10.0	< 10.0	< 10.0	< 10.0	< 10.0	593++	130++	37800
TPH Aromatic (C16-C21)	mg/kg	6.04	10.0	13.4	13.1	18.8	17.9	770++	260++	28000
TPH Aromatic (C21-C40)	mg/kg	6.04	10.0	130	127	183	145	1230++	1600++	28000
total PAHs	mg/kg	6.05	10.0	< 10.0	< 10.0	< 10.0	< 10.0	—	—	—
PAH Acenaphthene	mg/kg	6.05	1.0	< 1.0	< 1.0	< 1.0	< 1.0	1000++	200++	10000
PAH Acenaphthylene	mg/kg	6.05	1.0	< 1.0	< 1.0	< 1.0	< 1.0	850++	160++	10000
PAH Anthracene	mg/kg	6.05	1.0	< 1.0	< 1.0	< 1.0	< 1.0	9200++	2200++	54000
PAH Benzo(a)pyrene	mg/kg	6.05	0.1	< 0.1	< 0.1	< 0.1	< 0.1	1++	2.1++	14++
PAH Benz(a)anthracene	mg/kg	6.05	1.0	< 1.0	< 1.0	< 1.0	< 1.0	5.9++	10++	97++
PAH Benzo(b)fluoranthene	mg/kg	6.05	1.0	< 1.0	< 1.0	< 1.0	< 1.0	7++	13++	100++
PAH Benzo(k)fluoranthene	mg/kg	6.05	1.0	< 1.0	< 1.0	< 1.0	< 1.0	10++	23++	140++

Limits labelled '+' are soil guideline values from Defra 2002 (information taken from: Using Soil Guideline Values: Science Report: SC050021/SGV introduction & www.environment-agency.gov.uk/clea)
Limits labelled '++' are LQM Soil Guideline Values
Limits labelled '+++' are ICRCL 59/83 trigger concentrations. These do not differentiate between domestic and allotments

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mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME
UKAS TESTING
1227

Client: The Woodhorn Group
Site: Tangmere Composting Site
Sampled By: Client
Envirochem Job No. 17-08766

Date Sampled: 7 December 2017
Date Received: 8 December 2017
Date Completed: 15 December 2017
Date Issued: 15 December 2017

	Lab Sample No.	23573	23574	23575	23576			
	Soil Type	Sandy loam	Sandy loam	Sandy loam	Sandy loam			
	Sample Date	07/12/2017	07/12/2017	07/12/2017	07/12/2017			
	Sample Time							
	Sample Location / Details	bs3882 Topsoil 1	bs3882 Topsoil 2	bs3882 Topsoil 3	bs3882 Topsoil 4			
						Limits		
Determination	Units	Method	Detection Limit				Resid.	Allot.	Comm.
PAH Chrysene	mg/kg	6.05	1.0	< 1.0	< 1.0	< 1.0	< 1.0	9.3++	12++	140++
PAH Dibenzo(a,h)anthracene	mg/kg	6.05	0.9	< 0.9	< 0.9	< 0.9	< 0.9	0.9++	2.3++	13++
PAH Fluorene	mg/kg	6.05	1.0	< 1.0	< 1.0	< 1.0	< 1.0	780++	160++	71000
PAH Fluoranthene	mg/kg	6.05	1.0	< 1.0	< 1.0	< 1.0	< 1.0	670++	290++	23000
PAH Indeno(1,2,3-c,d)pyrene	mg/kg	6.05	1.0	< 1.0	< 1.0	< 1.0	< 1.0	4.2++	7.1++	63++
PAH Napthalene	mg/kg	6.05	1.0	< 1.0	< 1.0	< 1.0	< 1.0	8.7++	23++	1100++
PAH Phenanthrene	mg/kg	6.05	1.0	< 1.0	< 1.0	< 1.0	< 1.0	380++	90++	23000
PAH Pyrene	mg/kg	6.05	1.0	< 1.0	< 1.0	< 1.0	< 1.0	1600++	620++	54000
PAH Benzo(g,h,i)perylene	mg/kg	6.05	1.0	< 1.0	< 1.0	< 1.0	< 1.0	47++	160++	660++
MTBE	mg/kg	6.11	1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--
Benzene	mg/kg	6.11	0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.33	0.07	95
Toluene	mg/kg	6.11	1.0	< 1.0	< 1.0	< 1.0	< 1.0	610	120	4400
Ethyl Benzene	mg/kg	6.11	1.0	< 1.0	< 1.0	< 1.0	< 1.0	350	90	2800
Xylene	mg/kg	6.11	1.0	< 1.0	< 1.0	< 1.0	< 1.0	250	180	3500

Limits labelled '+' are soil guideline values from Defra 2002 (information taken from: Using Soil Guideline Values: Science Report: SC050021/SGV introduction & www.environment-agency.gov.uk/clea)
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mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME
UKAS TESTING 1227

Client: The Woodhorn Group
Site: Tangmere Composting Site
Sampled By: Client
Envirochem Job No. 17-08766

Date Sampled: 7 December 2017
Date Received: 8 December 2017
Date Completed: 15 December 2017
Date Issued: 15 December 2017

			Lab Sample No.	23577						
			Soil Type	Sandy loam						
			Sample Date	07/12/2017						
			Sample Time							
			Sample Location / Details	bs3882 Topsoil 5						
								Limits		
Determination	Units	Method	Detection Limit					Resid.	Allot.	Comm.
Particle size > 2mm	%	6.16	-	13				—	—	—
water content 105C	%	6.01	1	23.0				—	—	—
arsenic	mg/kg	6.08	2	3.9 M				32+	43+	640+
cadmium	mg/kg	6.08	1	1.4 M				10+	1.8+	230+
chromium	mg/kg	6.08	2	9.3 M				600+++	600+++	1000+
copper	mg/kg	6.08	1	17.9 M				2330++	524++	71700
mercury	mg/kg	6.08	1.0	< 1.00				1.0+	26+	26+
nickel	mg/kg	6.08	14	< 14.0 M				130+	230+	1800+
lead	mg/kg	6.08	5	22.9 M				500+++	500+++	2000+
antimony	mg/kg	6.08	10	< 10.0				—	—	—
selenium	mg/kg	6.08	3	< 3.0				350+	120+	13000+
zinc	mg/kg	6.08	40	47.2 M				3750++	618++	66500
total TPH (C10 - C40)	mg/kg	6.04	50	230				—	—	—
TPH Aliphatic (C8-C10)	mg/kg	6.04	10	< 10.0				110++	1700++	12000
TPH Aliphatic (C10-C12)	mg/kg	6.04	10	< 10.0				540++	7300++	49000
TPH Aliphatic (C12-C16)	mg/kg	6.04	10	< 10.0				3000++	13000	91000
TPH Aliphatic (C16-C21)	mg/kg	6.04	10	18.8				76000	27000	18000
TPH Aliphatic (C21-C40)	mg/kg	6.04	10	105				76000	27000	18000
TPH Aromatic (C8-C10)	mg/kg	6.04	10	< 10.0				151++	51++	18000
TPH Aromatic (C10-C12)	mg/kg	6.04	10	< 10.0				346++	74++	34500
TPH Aromatic (C12-C16)	mg/kg	6.04	10	< 10.0				593++	130++	37800
TPH Aromatic (C16-C21)	mg/kg	6.04	10	21.4				770++	260++	28000
TPH Aromatic (C21-C40)	mg/kg	6.04	10	208				1230++	1600++	28000
total PAHs	mg/kg	6.05	10	< 10.0				—	—	—
PAH Acenaphthene	mg/kg	6.05	1	< 1.0				1000++	200++	10000
PAH Acenaphthylene	mg/kg	6.05	1	< 1.0				850++	160++	10000
PAH Anthracene	mg/kg	6.05	1	< 1.0				9200++	2200++	54000
PAH Benzo(a)pyrene	mg/kg	6.05	0	< 0.1				1++	2.1++	14++
PAH Benz(a)anthracene	mg/kg	6.05	1	< 1.0				5.9++	10++	97++
PAH Benzo(b)fluoranthene	mg/kg	6.05	1	< 1.0				7++	13++	100++

Limits labelled '+' are soil guideline values from Defra 2002 (information taken from: Using Soil Guideline Values: Science Report: SC050021/SGV introduction & www.environment-agency.gov.uk/clea)
Limits labelled '++' are LQM Soil Guideline Values
Limits labelled '+++' are ICRCL 59/83 trigger concentrations. These do not differentiate between domestic and allotments

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mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME
UKAS TESTING 1227

Client: The Woodhorn Group
Site: Tangmere Composting Site
Sampled By: Client
Envirochem Job No. 17-08766

Date Sampled: 7 December 2017
Date Received: 8 December 2017
Date Completed: 15 December 2017
Date Issued: 15 December 2017

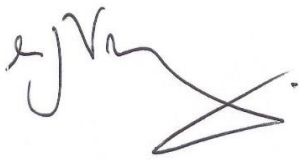
								Limits		
Lab Sample No.				23577						
Soil Type				Sandy loam						
Sample Date				07/12/2017						
Sample Time										
Sample Location / Details				bs3882 Topsoil 5						
Determination	Units	Method	Detection Limit					Resid.	Allot.	Comm.
PAH Benzo(k)fluoranthene	mg/kg	6.05	1	< 1.0				10++	23++	140++
PAH Chrysene	mg/kg	6.05	1	< 1.0				9.3++	12++	140++
PAH Dibenzo(a,h)anthracene	mg/kg	6.05	1	< 0.9				0.9++	2.3++	13++
PAH Fluorene	mg/kg	6.05	1	< 1.0				780++	160++	71000
PAH Fluoranthene	mg/kg	6.05	1	< 1.0				670++	290++	23000
PAH Indeno(1,2,3-c,d)pyrene	mg/kg	6.05	1	< 1.0				4.2++	7.1++	63++
PAH Napthalene	mg/kg	6.05	1	< 1.0				8.7++	23++	1100++
PAH Phenanthrene	mg/kg	6.05	1	< 1.0				380++	90++	23000
PAH Pyrene	mg/kg	6.05	1	< 1.0				1600++	620++	54000
PAH Benzo(g,h,i)perylene	mg/kg	6.05	1	< 1.0				47++	160++	660++
MTBE	mg/kg	6.11	1	< 1.0				—	—	—
Benzene	mg/kg	6.11	0	< 0.1				0.33	0.07	95
Toluene	mg/kg	6.11	1	< 1.0				610	120	4400
Ethyl Benzene	mg/kg	6.11	1	< 1.0				350	90	2800
Xylene	mg/kg	6.11	1	< 1.0				250	180	3500

Limits labelled '+' are soil guideline values from Defra 2002 (information taken from: Using Soil Guideline Values: Science Report: SC050021/SGV introduction & www.environment-agency.gov.uk/clea)
Limits labelled '++' are LQM Soil Guideline Values
Limits labelled '+++' are ICRCL 59/83 trigger concentrations. These do not differentiate between domestic and allotments

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THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number:	18-18553
Issue:	1
Date of Issue:	20/07/2018
Contact:	Katie Brayne
Customer Details:	GESL Unit 7 Danworth Farm Hurstpierpoint West Sussex BN6 9GL
Quotation No:	Q14-00021
Order No:	PO-0538
Customer Reference:	GE16478
Date Received:	12/07/2018
Date Approved:	20/07/2018
Details:	Shoreham
Approved by:	

Mike Varley, Technical Manager

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

Sample Summary

Report No.: 18-18553

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
143278	S1 0.20 - 0.40	12/07/2018	13/07/2018	Silty loam	

Results Summary

Report No.: 18-18553

ELAB Reference	143278
Customer Reference	
Sample ID	
Sample Type	SOIL
Sample Location	S1
Sample Depth (m)	0.20 - 0.40
Sampling Date	12/07/2018

Determinand	Codes	Units	LOD	
Metals				
Arsenic	M	mg/kg	1	13.0
Barium	U	mg/kg	10	123
Beryllium	U	mg/kg	1	< 1.0
Cadmium	M	mg/kg	0.5	< 0.5
Chromium	M	mg/kg	5	39.8
Copper	M	mg/kg	5	26.1
Lead	M	mg/kg	5	75.8
Mercury	M	mg/kg	0.5	< 0.5
Nickel	M	mg/kg	5	30.0
Selenium	M	mg/kg	1	< 1.0
Vanadium	M	mg/kg	5	43.3
Zinc	M	mg/kg	5	113
Anions				
Water Soluble Chloride	M	mg/kg	40	182
Water Soluble Sulphate	M	g/l	0.02	0.12
Inorganics				
Elemental Sulphur	M	mg/kg	20	< 20
Hexavalent Chromium	N	mg/kg	0.8	< 0.8
Total Sulphide	N	mg/kg	2	< 2
Total Cyanide	M	mg/kg	1	< 1.0
Acid Soluble Sulphate (SO4)	U	%	0.02	0.09
Water Soluble Boron	N	mg/kg	0.5	1.6
Miscellaneous				
pH	M	pH units	0.1	7.5
Total Organic Carbon	N	%	0.01	1.7
Phenols				
Total Phenols	N	mg/kg	6	< 6
Polyaromatic hydrocarbons				
Naphthalene	M	mg/kg	0.1	< 0.1
Acenaphthylene	M	mg/kg	0.1	< 0.1
Acenaphthene	M	mg/kg	0.1	< 0.1
Fluorene	M	mg/kg	0.1	< 0.1
Phenanthrene	M	mg/kg	0.1	< 0.1
Anthracene	M	mg/kg	0.1	< 0.1
Fluoranthene	M	mg/kg	0.1	0.3
Pyrene	M	mg/kg	0.1	0.3
Benzo(a)anthracene	M	mg/kg	0.1	0.2
Chrysene	M	mg/kg	0.1	0.3
Benzo (b) fluoranthene	M	mg/kg	0.1	0.3
Benzo(k)fluoranthene	M	mg/kg	0.1	0.2
Benzo (a) pyrene	M	mg/kg	0.1	0.3
Indeno (1,2,3-cd) pyrene	M	mg/kg	0.1	0.2
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1
Benzo[g,h,i]perylene	M	mg/kg	0.1	< 0.1
Total PAH(16)	M	mg/kg	0.4	2.3
BTEX				
Benzene	M	ug/kg	10	< 10.0
Toluene	M	ug/kg	10	< 10.0
Ethylbenzene	M	ug/kg	10	< 10.0
Xylenes	M	ug/kg	10	< 10.0

Tests marked N are not UKAS accredited.

Results Summary

Report No.: 18-18553

ELAB Reference	143278
Customer Reference	
Sample ID	
Sample Type	SOIL
Sample Location	S1
Sample Depth (m)	0.20 - 0.40
Sampling Date	12/07/2018

Determinand	Codes	Units	LOD	
TPH CWG				
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0
>C10-C12 Aliphatic	N	mg/kg	1	< 1.0
>C12-C16 Aliphatic	N	mg/kg	1	< 1.0
>C16-C21 Aliphatic	N	mg/kg	1	< 1.0
>C21-C35 Aliphatic	N	mg/kg	1	5.3
>C35-C40 Aliphatic	N	mg/kg	1	< 1.0
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	< 1.0
>C10-C12 Aromatic	N	mg/kg	1	< 1.0
>C12-C16 Aromatic	N	mg/kg	1	< 1.0
>C16-C21 Aromatic	N	mg/kg	1	< 1.0
>C21-C35 Aromatic	N	mg/kg	1	8.0
>C35-C40 Aromatic	N	mg/kg	1	1.8
Total (>C5-C40) Ali/Aro	N	mg/kg	1	15.0

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards on Sea, East Sussex, TN38 9BY
Tel: +44 (0)1424 718618, Email: info@elab-uk.co.uk, Web: www.elab-uk.co.uk

Results Summary

Report No.: 18-18553

Asbestos Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #)
in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client.

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos Identification	Gravimetric Analysis Total (%)	Gravimetric Analysis by ACM Type (%)	Free Fibre Analysis (%)	Total Asbestos (%)
143278	0.20 - 0.40	S1	brown sandy soil with stones, clinker and twigs	No asbestos detected	n/t	n/t	n/t	n/t

Method Summary

Report No.: 18-18553

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Sulphide	N	As submitted sample	18/07/2018	109	Colorimetry
Hexavalent chromium	N	As submitted sample	17/07/2018	110	Colorimetry
pH	M	Air dried sample	18/07/2018	113	Electromeric
Acid Soluble Sulphate	U	Air dried sample	19/07/2018	115	Ion Chromatography
Aqua regia extractable metals	M	Air dried sample	17/07/2018	118	ICPMS
Phenols in solids	N	As submitted sample	17/07/2018	121	HPLC
Elemental Sulphur	M	Air dried sample	17/07/2018	122	HPLC
PAH (GC-FID)	M	As submitted sample	17/07/2018	133	GC-FID
Water soluble anions	M	Air dried sample	17/07/2018	172	Ion Chromatography
Low range Aliphatic hydrocarbons soil	N	As submitted sample	18/07/2018	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	18/07/2018	181	GC-MS
BTEX in solids	M	As submitted sample	18/07/2018	181A	GC-MS
Water soluble boron	N	Air dried sample	17/07/2018	202	Colorimetry
Total cyanide	M	As submitted sample	17/07/2018	204	Colorimetry
Total organic carbon/Total sulphur	N	Air dried sample	18/07/2018	210	IR
Aliphatic hydrocarbons in soil	N	As submitted sample	17/07/2018	214	GC-FID
Aliphatic/Aromatic hydrocarbons in soil	N	As submitted sample	20/07/2018	214	GC-FID
Aromatic hydrocarbons in soil	N	As submitted sample	17/07/2018	214	GC-FID
Asbestos identification	U	Air dried sample	17/07/2018	PMAN	Microscopy

Tests marked N are not UKAS accredited

Report Information

Report No.: 18-18553

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f	Sample age exceeds stability time (sampling to receipt)
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Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

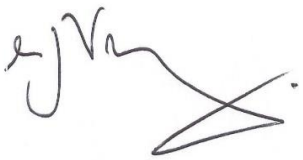
All soil samples will be retained for a period of one month
All water samples will be retained for 7 days following the date of the test report
Charges may apply to extended sample storage

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

cs@elab-uk.co.uk
info@elab-uk.co.uk

2683

THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number:	18-20101
Issue:	1
Date of Issue:	22/10/2018
Contact:	Katie Brayne
Customer Details:	GESL Unit 7 Danworth Farm Hurstpierpoint West Sussex BN6 9GL
Quotation No:	Q14-00021
Order No:	PO-0893
Customer Reference:	GE17128
Date Received:	16/10/2018
Date Approved:	22/10/2018
Details:	7 Ormonde Way, Shoreham
Approved by:	

Mike Varley, Technical Manager

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

Sample Summary

Report No.: 18-20101

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
153713	TP101 0.20	11/10/2018	16/10/2018	Silty loam	
153714	TP102 0.15	11/10/2018	16/10/2018	Silty loam	

Results Summary

Report No.: 18-20101

				ELAB Reference	153713	153714
				Customer Reference		
				Sample ID		
				Sample Type	SOIL	SOIL
				Sample Location	TP101	TP102
				Sample Depth (m)	0.20	0.15
				Sampling Date	11/10/2018	11/10/2018
Determinand	**Codes**	**Units**	**LOD**			
Metals						
Arsenic	M	mg/kg	1		10.6	11.8
Barium	U	mg/kg	10		160	173
Beryllium	U	mg/kg	1		1.0	1.2
Cadmium	M	mg/kg	0.5		< 0.5	< 0.5
Chromium	M	mg/kg	5		31.0	34.8
Copper	M	mg/kg	5		29.9	30.7
Lead	M	mg/kg	5		47.6	54.5
Mercury	M	mg/kg	0.5		< 0.5	< 0.5
Nickel	M	mg/kg	5		24.7	26.7
Selenium	M	mg/kg	1		< 1.0	< 1.0
Vanadium	M	mg/kg	5		38.6	43.3
Zinc	M	mg/kg	5		106	116
Anions						
Water Soluble Chloride	M	mg/l	20		233	252
Water Soluble Sulphate	M	g/l	0.02		0.05	0.06
Inorganics						
Elemental Sulphur	M	mg/kg	20		< 20	< 20
Hexavalent Chromium	N	mg/kg	0.8		< 0.8	< 0.8
Total Sulphide	N	mg/kg	2		< 2	< 2
Total Cyanide	M	mg/kg	1		< 1.0	< 1.0
Acid Soluble Sulphate (SO4)	U	%	0.02		0.04	0.05
Water Soluble Boron	N	mg/kg	0.5		3.2	2.7
Miscellaneous						
pH	M	pH units	0.1		7.3	7.1
Total Organic Carbon	N	%	0.01		3.2	3.0
Phenols						
Total Phenols	N	mg/kg	6		< 6	< 6
Polyaromatic hydrocarbons						
Naphthalene	M	mg/kg	0.1		< 0.1	< 0.1
Acenaphthylene	M	mg/kg	0.1		< 0.1	0.2
Acenaphthene	M	mg/kg	0.1		< 0.1	< 0.1
Fluorene	M	mg/kg	0.1		< 0.1	< 0.1
Phenanthrene	M	mg/kg	0.1		0.1	0.5
Anthracene	M	mg/kg	0.1		< 0.1	0.2
Fluoranthene	M	mg/kg	0.1		0.7	3.7
Pyrene	M	mg/kg	0.1		0.4	2.9
Benzo(a)anthracene	M	mg/kg	0.1		0.3	2.4
Chrysene	M	mg/kg	0.1		0.3	2.2
Benzo (b) fluoranthene	M	mg/kg	0.1		0.4	2.1
Benzo(k)fluoranthene	M	mg/kg	0.1		0.5	2.7
Benzo (a) pyrene	M	mg/kg	0.1		0.2	2.4
Indeno (1,2,3-cd) pyrene	M	mg/kg	0.1		0.3	2.0
Dibenzo(a,h)anthracene	M	mg/kg	0.1		0.1	0.7
Benzo[g,h,i]perylene	M	mg/kg	0.1		0.3	1.8
Total PAH(16)	M	mg/kg	0.4		3.7	24.0
Total Petroleum Hydrocarbons						
Total TPH (>C8-C40)	M	mg/kg	5		32	156

Tests marked N are not UKAS accredited.

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Results Summary

Report No.: 18-20101

Asbestos Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #)
in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client.

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos Identification	Gravimetric Analysis Total (%)	Gravimetric Analysis by ACM Type (%)	Free Fibre Analysis (%)	Total Asbestos (%)
153713	0.20	TP101	Brown sandy soil, stones, concrete, clinker, organics	No asbestos detected	n/t	n/t	n/t	n/t
153714	0.15	TP102	Brown sandy soil, stones, concrete, clinker, organics	No asbestos detected	n/t	n/t	n/t	n/t

Method Summary

Report No.: 18-20101

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Sulphide	N	As submitted sample	18/10/2018	109	Colorimetry
Hexavalent chromium	N	As submitted sample	18/10/2018	110	Colorimetry
pH	M	Air dried sample	19/10/2018	113	Electromeric
Acid Soluble Sulphate	U	Air dried sample	19/10/2018	115	Ion Chromatography
Total Petroleum Hydrocarbons in solids	M	As submitted sample	19/10/2018	117	GC-FID
Aqua regia extractable metals	M	Air dried sample	18/10/2018	118	ICPMS
Phenols in solids	N	As submitted sample	18/10/2018	121	HPLC
Elemental Sulphur	M	Air dried sample	18/10/2018	122	HPLC
PAH (GC-FID)	M	As submitted sample	19/10/2018	133	GC-FID
Water soluble anions	M	Air dried sample	18/10/2018	172	Ion Chromatography
Water soluble boron	N	Air dried sample	18/10/2018	202	Colorimetry
Total cyanide	M	As submitted sample	18/10/2018	204	Colorimetry
Total organic carbon/Total sulphur	N	Air dried sample	19/10/2018	210	IR
Asbestos identification	U	Air dried sample	18/10/2018	PMAN	Microscopy

Tests marked N are not UKAS accredited

Report Information

Report No.: 18-20101

Key

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I/S	Insufficient Sample
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n/t	Not tested
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Soil sample results are expressed on an air dried basis (dried at < 30°C)
ELAB are unable to provide an interpretation or opinion on the content of this report.
The results relate only to the items tested
PCB congener results may include any coeluting PCBs
Uncertainty of measurement for the determinands tested are available upon request

Deviation Codes

a	No date of sampling supplied
b	No time of sampling supplied (Waters Only)
c	Sample not received in appropriate containers
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e	The container has been incorrectly filled
f	Sample age exceeds stability time (sampling to receipt)
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Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month
All water samples will be retained for 7 days following the date of the test report
Charges may apply to extended sample storage

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Facsimile: (01424) 729911
info@elab-uk.co.uk

THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number:	18-16119
Issue:	1
Date of Issue:	15/02/2018
Contact:	Katie Brayne
Customer Details:	GESL Unit 7 Danworth Farm Hurstpierpoint West SussexBN6 9GL
Quotation No:	Q14-00021
Order No:	2843
Customer Reference:	GE17128
Date Received:	08/02/2018
Date Approved:	15/02/2018
Details:	7 Ormonde Way, Shoreham
Approved by:	

John Wilson, Operations Manager

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

Sample Summary

Report No.: 18-16119

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
126527	WAC 1 Stockpile	08/02/2018	08/02/2018	Silty loam	

Results Summary

Report No.: 18-16119

ELAB Reference	126527
Customer Reference	Stockpile
Sample ID	
Sample Type	SOIL
Sample Location	WAC 1
Sample Depth (m)	
Sampling Date	08/02/2018

Determinand	Codes	Units	LOD	
Miscellaneous				
Acid Neutralisation Capacity	N	mol/kg	0.1	< 0.1
Loss On Ignition (450°C)	M	%	0.01	3.96
pH	M	pH units	0.1	9.3
Total Organic Carbon	N	%	0.01	1.5
Polyaromatic hydrocarbons				
Total PAH (Including Coronene)	N	mg/kg	2	2
BTEX				
Total BTEX	M	mg/kg	0.01	< 0.01
Total Petroleum Hydrocarbons				
Mineral Oil	U	mg/kg	5	< 5
PCB (ICES 7 congeners)				
PCB (Total of 7 Congeners)	M	mg/kg	0.03	< 0.03

Results Summary

Report No.: 18-16119

WAC Analysis								
Elab Ref:	126527					**Landfill Waste Acceptance Criteria Limits**		
Sample Date:	08/02/2018					**Inert Waste Landfill**	**Stable Non-reactive Hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Sample ID:	WAC 1 Stockpile							
Depth (m)								
Site:	7 Ormonde Way, Shoreham							
Determinand		**Code**	**Units**					
Total Organic Carbon		N	%		1.50	3	5	6
Loss on Ignition		M	%		4.0	--	--	10
Total BTEX		M	mg/kg		< 0.01	6	--	--
Total PCBs (7 congeners)		M	mg/kg		< 0.03	1	--	--
TPH Total WAC		M	mg/kg		< 5	500	--	--
Total (of 17) PAHs		N	mg/kg		2.0	100	--	--
pH		M			9.3	--	>6	--
Acid Neutralisation Capacity		N	mol/kg		< 0.1	--	To evaluate	To evaluate
Eluate Analysis			**10:1**		**10:1**	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg**		
			mg/l		**mg/kg**			
Arsenic		N	0.006		0.06	0.5	2	25
Barium		N	0.012		0.12	20	100	300
Cadmium		N	< 0.001		< 0.01	0.04	1	5
Chromium		N	< 0.005		< 0.05	0.5	10	70
Copper		N	0.006		0.06	2	50	100
Mercury		N	< 0.005		< 0.01	0.01	0.2	2
Molybdenum		N	0.008		0.08	0.5	10	30
Nickel		N	0.002		< 0.05	0.4	10	40
Lead		N	0.015		0.15	0.5	10	50
Antimony		N	< 0.005		< 0.05	0.06	0.7	5
Selenium		N	< 0.005		< 0.05	0.1	0.5	7
Zinc		N	0.007		0.07	4	50	200
Chloride		N	6		62.00	800	15000	25000
Fluoride		N	< 5		< 10	10	150	500
Sulphate		N	11		107.00	1000	20000	50000
Total Dissolved Solids		N	190		1900.00	4000	60000	100000
Phenol Index		N	< 0.01		< 0.10	1	-	-
Dissolved Organic Carbon		N	12.400		124.00	500	800	1000
Leach Test Information								
pH		N	8.4					
Conductivity (uS/cm)		N	172					
Dry mass of test portion (g)			101.000					
Dry Matter (%)			79					
Moisture (%)			27					
Eluent Volume (ml)			950					

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 discrepencies with current legislation

Method Summary

Report No.: 18-16119

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Leachate					
Arsenic*	N		14/02/2018	101	ICPMS
Cadmium*	N		14/02/2018	101	ICPMS
Chromium*	N		14/02/2018	101	ICPMS
Lead*	N		14/02/2018	101	ICPMS
Nickel*	N		14/02/2018	101	ICPMS
Copper*	N		14/02/2018	101	ICPMS
Zinc*	N		14/02/2018	101	ICPMS
Mercury*	N		14/02/2018	101	ICPMS
Selenium*	N		14/02/2018	101	ICPMS
Antimony	N		14/02/2018	101	ICPMS
Barium*	N		14/02/2018	101	ICPMS
Molybdenum*	N		14/02/2018	101	ICPMS
pH Value*	N		14/02/2018	113	Electrometric
Electrical Conductivity*	N		14/02/2018	136	Probe
Dissolved Organic Carbon	N		14/02/2018	102	TOC analyser
Chloride*	N		14/02/2018	131	Ion Chromatography
Fluoride*	N		14/02/2018	131	Ion Chromatography
Sulphate*	N		14/02/2018	131	Ion Chromatography
Total Dissolved Solids	N		14/02/2018	144	Gravimetric
Phenol index	N		14/02/2018	121	HPLC
WAC Solids analysis	N				
pH Value**	M	Air dried sample	13/02/2018	113	Electrometric
Total Organic Carbon	N	Air dried sample	14/02/2018	210	IR
Loss on Ignition**	M	Air dried sample	13/02/2018	129	Gravimetric
Acid Neutralization Capacity to pH 7	N	Air dried sample	13/02/2018	NEN 737	Electrometric
Total BTEX**	M	As submitted sample	12/02/2018	181	GCMS
Mineral Oil**	U	As submitted sample	09/02/2018	117	GCFID
Total PCBs (7 congeners)	M	Air dried sample	12/02/2018	120	GCMS
Total PAH (17)**	N	As submitted sample	12/02/2018	133	GCFID

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Report Information

Report No.: 18-16119

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Adur District Council

Development Management

Mr T Cording
54 Westfield Crescent
Brighton
East Sussex
BN1 8JB

PLANNING PERMISSION

TOWN AND COUNTRY PLANNING ACT 1990
TOWN AND COUNTRY PLANNING (GENERAL PERMITTED DEVELOPMENT) (AMENDMENT) (ENGLAND) ORDER 2015

APPLICATION NUMBER: AWDM/1474/15

Details of Development
ERECTION OF NEW 3-BEDROOM DWELLING ATTACHED TO NORTH-WEST SIDE ELEVATION OF NO.7 AND ASSOCIATED ELEVATION ALTERATIONS TO EXISTING HOUSE INCLUDING ENLARGED FRONT DORMER.

Location of Development
7 ORMONDE WAY SHOREHAM-BY-SEA WEST SUSSEX BN43 5YB

In pursuance of their powers under the above-mentioned Act and Order the Council hereby notify you that they PERMIT the above development, in accordance with the application and relevant correspondence registered on 9th November 2015.

This is for reasons stated on the schedule overleaf and subject to compliance with the conditions specified thereon.

G Peck

Gary Peck
Planning Services Manager
03/03/2016

Adur District Council
Adur District Council, Development Management, Economy Directorate,
Portland House, 44 Richmond Road, Worthing, West Sussex, BN11 1HS
Tel: 01903 221065 Fax: 01903 221072 Minicom: 01903 204500
DX: 142965 Worthing 10 Web: www.adur-worthing.gov.uk

SCHEDULE

Conditions

01. The development hereby permitted shall be begun before the expiration of 3 years from the date of this permission.

Reason: *To comply with Section 91 of the Town and Country Planning Act 1990.*

02. The development hereby permitted shall be carried out in accordance with the following approved plans:-

Existing and Proposed Floor Plans and Elevations Revision A Date received: 16.02.2016
Location Plan, Block Plan and Site Layout Plan Revision A Date received: 18.01.2016

Reason: *For the avoidance of doubt and in the interests of proper planning.*

03. Notwithstanding the annotation on the approved plan, the external materials and finishes of the development hereby permitted shall be carried out to match in design, colour and texture those of the existing terrace. No development shall be carried out unless and until a schedule and samples of the materials and finishes to be used for the external walls and roof of the proposed new dwelling and the external alterations to be carried out to the existing dwelling have been submitted to and approved in writing by the Local Planning Authority. Thereafter, the developement shall only be completed in accordance with the approved schedule and samples.

Reason: *In the interests of visual amenity and to comply with saved policy AH2 of the Adur District Local Plan.*

04. The windows of the proposed new dwelling and the new windows in the existing dwelling shall match the style, proportions, frame colour, opening pattern and heads/cills of the existing windows in this terrace.

Reason: *In the interests of visual amenity and to comply with saved policy AH2 of the Adur District Local Plan.*

05. No development shall take place unless and until details of all boundary walls and/or fences have been submitted to and approved in writing by the Local Planning Authority and the dwelling shall not be first occupied until such walls and/or fences as have been agreed have been erected and thereafter retained permanently

Reason: *In the interests of amenity and to comply with saved policy AH2 of the Adur District Local Plan.*

06. No development shall take place unless and until there has been submitted to and approved in writing by the Local Planning Authority a scheme of soft and hard landscaping, which shall include the retention of the existing hedge adjacent to the north-west side boundary. All planting, seeding or turfing comprised in the approved details of landscaping shall be carried out in the first planting and seeding seasons following the occupation of the

buildings or the completion of the development, whichever is the sooner, and any trees or plants which within a period of 5 years from the completion of the development die, are removed or become seriously damaged or diseased shall be replaced in the next planting season with others of similar size and species, unless the Local Planning Authority gives written consent to any variation. The approved details of hard landscaping shall be completed prior to occupation of the building(s).

Reason: *In the interests of visual amenity and the environment and to comply with saved policies AB25-27 of the Adur District Local Plan.*

07. The new dwelling hereby permitted shall not be first occupied unless and until the elevation alterations to the existing dwelling, No.7, shown on the approved drawing, have been carried out and completed.

Reason: *In the interests of visual amenity to ensure the retention of a balanced composition within the terrace and to comply with saved policy AH2 of the Adur District Local Plan.*

08. The development hereby permitted shall not be commenced unless and until a scheme for protecting the proposed dwelling and outside amenity area from road traffic noise has been submitted to and approved in writing by the Local Planning Authority. The scheme shall demonstrate good acoustic design and shall comply with the internal noise level guidelines set out in BS8233:2014 and achieve as far as reasonably practicable the WHO guidelines for external amenity areas. All works which form part of the agreed scheme shall be carried out and completed before the permitted dwelling is first occupied.

Reason: *In the interests of residential amenity and to comply with saved policy AH2 of the Adur District Local Plan.*

09. Prior to commencement of the development hereby approved, the following components of a scheme to deal with the risks associated with contamination of the site shall each be submitted to and approved in writing by the Local Planning Authority:-

(1) A preliminary risk assessment which has identified:-
- all previous uses;
- potential contaminants associated with those uses;
- a conceptual model of the site indicating sources, pathways and receptors; and
- potentially unacceptable risks arising from contamination at the site.

(2) A site investigation scheme, based on (1) above to provide information for a detailed assessment of the risk to all receptors that may be affected, including those off site.

(3) The site investigation results and the detailed risk assessment (2) and, based on these, an options appraisal and remediation strategy giving full details of the remediation measures required and how they are to be undertaken.

(4) A verification plan providing details of the data that will be collected in order to demonstrate that the works set out in (3) are complete and identifying any requirements for longer-term monitoring of pollutant linkages, maintenance and arrangements for contingency action.

Any changes to these components require the express consent of the Local Planning Authority.

The scheme shall be implemented as approved above and, prior to commencement of any construction work (or such other date or stage in development as may be agreed in writing with the Local Planning Authority), a Verification Report demonstrating completion of the works set out in the approved remediation strategy and the effectiveness of the remediation shall be submitted to and approved in writing by the Local Planning Authority. The report shall include results of sampling and monitoring carried out in accordance with the approved verification plan to demonstrate that the site remediation criteria have been met. It shall also include any plan (a 'long-term monitoring and maintenance plan') for longer-term monitoring of pollutant linkages, maintenance and arrangements for contingency action, as identified in the verification plan, and for the reporting of this to the Local Planning Authority.

Reason: *To prevent pollution of groundwater and in the interests of environmental protection and public health and safety.*

10. The development hereby permitted shall not be commenced until details of the proposed surface water drainage and means of disposal have been submitted to and approved by the Local Planning Authority and the dwelling shall not be occupied until all drainage works have been carried out in accordance with such details as approved by the Local Planning Authority.

Reason: *To ensure adequate drainage and to comply with policy AP4 of the Adur District Local Plan.*

11. Notwithstanding the provisions of the Town and Country Planning General Permitted Development Order 2015 (or any order amending revoking and re-enacting that Order with or without modification), the proposed dwelling shall not be extended or externally altered or any incidental building over 5 cubic metres in volume erected within its curtilage.

Reason: *In the interests of amenity and the environment having regard to saved policy AH2 of the Adur District Local Plan.*

12. No development shall take place, including any works of demolition, until a Construction Method Statement and Plan has been submitted to and approved in writing by the Local Planning Authority. The development shall be carried out in accordance with the approved Method Statement and Plan and shall be adhered to throughout the construction period. The Statement and Plan shall provide for:-

(i) the parking of vehicles of site operatives and visitors;
(ii) loading and unloading of plant and materials;
(iii) storage of plant and materials used in constructing the development;
(iv) the erection and maintenance of any security hoarding; and
(v) measures to control the emission of dust and dirt during construction.

Reason: *In the interests of highway safety and amenity.*

13. No work for the implementation of the development hereby permitted shall be undertaken on the site except between the hours of 06.00 and 18.00 on Monday to Friday

and between 08.00 and 13.00 hours on Saturdays. No work shall take place on the site on Sundays or on Bank or Public Holidays.

Reason: *To safeguard the amenities of the occupiers of neighbouring properties having regard to saved policy AG1 of the Adur District Local Plan.*

14. The development permitted by this planning permission shall be carried out in accordance with the following flood risk mitigation measures:
1. Provision of a safe haven with access to water and power.
2. At no time shall the ground-floor of the new dwelling hereby permitted be used as habitable accommodation. Finished floor levels for the living accommodation shall be set not less than 300mm above the 1 in 200+ year climate change event level and no less than 600mm above the 1 in 200+ year climate change event level for sleeping accommodation.
3. Sign up to Environment Agency's Free Flood Warning Service. Tel: 0345 988 1188 website: https://www.gov.uk/sign-up-for-flood-warnings

The mitigation measures shall be fully implemented prior to first occupation of the dwelling or within any other period as may be subsequently agreed in writing by the Local Planning Authority.

Reason:
1. To ensure the safety of future occupants in flood events.

2. To reduce the risk of flooding to the proposed development and future occupants.

3. To warn and inform occupants of potential risks and actions to take in a flood event.

Informatives / Notes to Applicant

01. The Local Planning Authority has acted positively and proactively in determining this application by identifying matters of concern within the application (as originally submitted) and negotiating, with the Applicant, acceptable amendments to the proposal to address those concerns. As a result, the Local Planning Authority has been able to grant planning permission for an acceptable proposal, in accordance with the presumption in favour of sustainable development, as set out within the National Planning Policy Framework.

02. A formal application for connection to the public sewerage system is required in order to serve this development. Please contact Southern Water, Sparrowgrove House, Sparrowgrove, Otterbourne, Hampshire, SO21 2SW (Tel: 0330 303 0119) or www.southernwater.co.uk

03. All Planning applications resulting in a requirement for new street naming or numbering - either residential or commercial - must be processed by the **Street Naming and Numbering Team**. Developers should contact the team to obtain the new addressing before work starts on site. Fees are payable for this service with increased charges for retrospective addressing. It should be noted that no address within the District or Borough is legal unless authorised by Adur and Worthing Councils. It will also be expected that the street nameplates will be provided to a standard expected by the District or Borough Council.

Please contact the Street Naming and Numbering Team at Corporate Information, Technical Services, Adur and Worthing Councils, Portland House, 44 Richmond Road, Worthing BN11

1HS. Telephone: 01903 221479/01903 221480 Email: llpg3835@adur-worthing.gov.uk or alternatively visit our website www.adur-worthing.gov.uk/naming-and-numbering where you can find further information and an on-line application form.

For the street nameplate specification (and copy of Borough Council crest) please contact the Engineering Team, Technical Services, Adur and Worthing Councils, Portland House, 44 Richmond Road, Worthing, BN11 1HS. Telephone 01903 221479 Email: Techserv@adur-worthing.gov.uk

THE WOODHORN GROUP

Date: 16/04/2018

Page: 1

Goods Receipt

Bill/Sold To	Job Site/Ship To:
CASH WHOLESALE 7A ORMONDE WAY SHOREHAM BN43 5YB	CASH WHOLESALE GREENSPACE HOMES 7A ORMONDE WAY SHOREHAM BN43 5YB

Quote No.	Job No.	Salesperson	Manager	Ref
24549	40502	-No Sales Employee-		07753525259

DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
18/04/2018			
Container			
8 Wheel Tipper	1.00 /	135.34	135.34
Product			
Topsoil BS3882 (20MM)	18.00 / Tonnes	22.00	396.00

Vat : **106.27**

Est. Amount: **637.61**

Company Representative (signature)

Company Registration Number: 3629015

Company VAT Number: 816160744

Jo Morin

Thu 30 Aug, 13:15

to me

Dear Mr Voice

Thank you for your email and attachments relating to Condition 9 of the above permission. I regret I am still unable to discharge this condition. The Environmental Health Officer (EHO) has commented:-

"Thank you for providing this information, however to recommend the discharge of condition 9 we would need a Validation Report to be submitted. The photographs and lab results provided in the email should be included within this report but additional information is also required:

- *A plan showing remediated area;*
- *Photographic evidence showing the depth of imported soil;*
- *Description of relevant pollutant linkages addressed;*
- *Waste management documentation;*
- *Documents demonstrating the source of clean imported top soil;*
- *A plan showing the location of in-situ sampling, methods for collecting and transporting in-situ samples;*
- *Interpretation and evaluation of validation results against remediation criteria and confirmation that the remediation criteria have been met for the site."*

I look forward to the receipt of the further information required. Please feel free to discuss these requirements direct with the EHO if it would help. Email hannah.powell@adur-worthing.gov.uk or Tel: 01903 221064.

Regards

Jo Morin

55

Get it Gone

Lydia: 07825 157999
VAT: 291709873

INVOICE DATE: 10.04.18

TO Martin Naldrett

REF	PAYMENT TERMS
INV 000006	balance on completion

Description	Amount
To • 1 x muck away cleared from site	£300.00 VAT £60.00
	TOTAL: **£360.00** **PAID**

COMBINED CONVEYANCE NOTI

for Waste Collected/Materials Supplied

Delete as appropriate

No: 363116

Duty of Care/Controlled Waste Transfer note

Registered Carrier No: **CBDU88724**

HARRIS GRAB SERVICES
64 Chanctonbury Drive
Shoreham
West Sussex
BN43 5GW

T: 07764 948 303 • E: info@harrisgrabservices.com
www.harrisgrabservices.com

Vehicle Reg No	Driver's full name	Date of collection/delivery
016 HGS	J. Harris	3.5.18

Current holder of the waste/Customer	Collection point/delivery address
Green Space Hayes ltd	7A Ormonde Way Shoreham

SIC Code (2007) 43.12

Load size	How is the load contained?	Weight (if weighbridge available)
☑ 8-wheel tipper ☐ 6-wheel tipper	LOOSE	Gross Weight
☐ Or by Volume		
Number of loads:	Grab loaded ✓ / Machine loaded — *Tick as appropriate*	Tare Weight
Daywork Hire/Waiting Time: Time on site / Time off site / Total hours		Nett Weight

Description of Waste carried / Materials supplied ☑ Supplied ☐ Hauled ☑ Removed

Delete as appropriate

Topsoil Supplied

☑ EWC 17 05 04 ☐ EWC 17 01 07 Other

By signing this transfer note I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011

Signed on behalf of transferor / Customer	Print Name
H Nalbrett.	

Customers ordering vehicles off the public road do so entirely at their own risk. By signing this transfer note I accept full responsibility for any damage caused to pavements/pathways etc as a result of any such request.

Disposal/Transfer Point

Site Operator	Date of Transfer
Address of transfer point	Time of transfer
	Signed by transferee (Driver)
Permit/exemption no:	

Maximum 15 minutes for machine loading after which waiting time applies.



WEIGHBRIDGE TICKET
Ticket No. DO619542
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility
City Fields Industrial Estate
Tangmere
West Sussex
PO20 2FP
Company Reg No.3629015
VAT No.816160744

Waste Carrier Licence no: CBDU162145

Time In	08:37		
Date In	18/04/2018		
Time Out	08:42		
Date Out	18/04/2018		
Vehicle	**E10TJT**		
Carrier	TJ Transport		
License No			
Client	CASH WHOLESALE		
Address	7A ORMONDE WAY, , SHOREHAM, BN43 5YB, SIC		
Permit			
Zone			
Product	Topsoil BS3882 (20MM)		
EWC Code			
1st Weight:	12,580.00	Kg	@+
2nd Weight:	30,180.00	Kg	@+
Net Weight:	17,600.00	Kg	

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales)

Signature

THE WOODHORN GROUP

Date: 16/04/2018

Goods Receipt

Bill/Sold To

CASH WHOLESALE
7A ORMONDE WAY
SHOREHAM
BN43 5YB

Job Site/Ship To:

CASH WHOLESALE
GREENSPACE HOMES
7A ORMONDE WAY
SHOREHAM
BN43 5YB

Quote No.	Job No.	Salesperson	Manager	Ref
24549	40502	-No Sales Employee-		07753525259

DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
18/04/2018			
Container			
8 Wheel Tipper	1.00 /	135.34	135.34
Product			
Topsoil BS3882 (20MM)	18.00 / Tonnes	22.00	396.00

SG

Charged 637.85

Vat : **106.27**

Est. Amount: **637.61**

Company Representative (signature)

Company Registration Number: 3629015

Company VAT Number: 816160744

S16

Harris Grab Services
64 Chanctonbury Drive
Shoreham By Sea
WS
BN43 5GW
info@harrisgrabservices.com
VAT Registration No.: 262167411

Tax Invoice

INVOICE TO
Green Space Homes Ltd
Barley Cottage
Hoe Lane
Flansham
PO22 8NT

INVOICE NO. 1268
DATE 03/05/2018
DUE DATE 18/05/2018
TERMS Net 15

ACTIVITY	QTY	VAT	RATE	AMOUNT
Services 1 load of topsoil supplies to 7A Ormande Way, Shoreham-By-Sea 3/5/18	1	20.0% S	400.00	400.00

Please make payments to the following bank account:
Name: Harris Grab Services
Sort code: 53-50-39
Account no: 55368220

SUBTOTAL	400.00
VAT TOTAL	80.00
TOTAL	480.00
BALANCE DUE	**£480.00**

VAT SUMMARY

RATE	VAT	NET
VAT @ 20%	80.00	400.00

Paid 8/5/18

Get it Gone

INVOICE DATE: 10.04.18

TO Martin Naldrett

REF	PAYMENT TERMS
INV 000006	balance on completion

Description		Amount
To • 1 x muck away cleared from site		£300.00 VAT £60.00
		TOTAL: **£360.00** **PAID**

Website: www.getitgoneworthing.co.uk – Email: getitgonegrabhire@outlook.com
8 Rodney Crescent, Ford, West Sussex, BN18 ODB
Tel: 07748 798380 / 0800 1182256

Get it Gone

INVOICE

DATE: 29TH MARCH 2018

TO

Tom Voice

This invoice covers all labour, material and rubbish disposal costs associated with the work unless stated. All work is subject to our terms and conditions and bound by our standard contract, for mutual protection.

Once all works, costs and time schedules have been agreed you will receive your contract and our terms and conditions. This should be signed by you and returned no later than three working days prior to the scheduled start date. We also require a 30% deposit to be paid no later than three working days prior to the scheduled start date. All deposits are non refundable if you decide to cancel the works.

REF	PAYMENT TERMS
Get it Gone invoice	balance on completion

Description	Amount
To 3 x muck away loads cleared from site • Payment due in full and would appreciate payment as soon as possible into to the bank account details provided • Lloyds TSB • Sort: 30-99-93 • Account: 64306260 • HBS Building and Waste Management LTD	900.00