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BOROUGH COUNCIL

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15 SEP 2015

RECEIVED

Civic Offices
Havant
Hampshire
PO9 2AX



Mr. Dominic Brightman (Director)
Wilson Bailey Partnership - Geotechnical
& Environmental
Carters Barn
Sherrington
Wiltshire

BA12 0SN

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Our Ref: DCS/EH/JPD/150619001
Your Ref: [Not Provided]
Direct Line: 02392 446677
Ask For: Mr Jonathan Driver

Date: 19/06/2015

Dear Mr. Brightman,

Re: J13126 Verification Plan & QTS Laboratory Report Ref: 15-31761. APP-14-01125 – Discharge of Conditions 29 and 30 (Part B) of Outline Permission for Copseys Nursery Site.

Thank you for providing the validation plan & laboratory sample report in relation to the former boiler house, fuel storage area, and burnt oil / waste oil tanks.

I confirm that the supplied plan is sufficient to identify sampled plots as (corresponding to previous numbering scheme referred to in my earlier responses) being plot No's 54/55 (4 samples), and No's 66/67 (3 samples).

I note that individual sample locations, date & depth(s) have not been specified – it is assumed that samples refer to near-surface (<500mm) in relative to formation level(s). As all hydrocarbon determinands returned <LOD results, and all general suite substance concentrations comfortably fall within general screening criteria or the expected normal background range, it is not considered necessary to individually for the location of each sample to be specifically identified.

[REDACTED] be some disagreement between the development layout / topographic survey is accepted that the local topographic survey should be more accurate, and that sample locations have been adequately targeted.

The confirmation included within your email of 18/06/2015 that this area of the site is free from visual / olfactory indication of contamination is welcome. I confirm that I consider it unlikely that significant residual contamination associated with these features could remain present & unidentified on the site given the local concentration of identified contamination sources in this area of the site, and the density of validation sampling undertaken in the area.

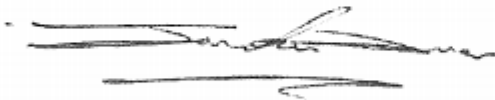
I consider that a full discharge of condition 29 (contamination assessment, remediation & validation) can now be supported in relation to APP/12/01222 Area B. Condition 30 (unexpected contamination) shall remain in place – to be discharged upon completion of groundworks on the Area B site, under the assumption that no additional contamination sources are identified during intrusive construction works (given the investigation, source removal & validation works is considered to be probable).

**Cleaner, Safer,
More Prosperous**

No formal reporting is required for this condition –a declaration from the principle groundworks contractor or other appropriate party upon completion of intrusive works will suffice.

As discussed during our earlier telephone conversation, I trust that the above is sufficient for the purposes of your client. I will be back in the office from the 29th June if there are any urgent queries.

Yours Sincerely

A handwritten signature in black ink, appearing to read 'Jonathan Driver', with a horizontal line drawn underneath it.

Jonathan Driver
Environmental Control Officer



24 March 2015

Your ref:
Planning ref:
Our ref: J13126/DB/c05

Mr Jonathon Driver
Environmental Health
Public Service Plaza
Civic Centre Road
Havant
Hants
PO9 2AX

Dear Mr Driver,

**RE: MANOR FARM SITE AND COPSEYS NURSERY SITE, HAVANT, HAMPSHIRE
COMBINED REMEDIATION VALIDATION AND VERIFICATION REPORT**

Further to instruction from BDW Southampton, and following on from the recommendations contained within our Remediation Proposals Plan dated October 2013, together with subsequent emails and discussions with the Havant Borough Environmental Control Officer, Jonathon Driver, this letter provides our combined and collated remediation validation and verification update report for the two construction sites that are now being treated as a single development.

As part of the various phases of desk study and ground investigation carried out across this site, a number of apparently localised areas of concern were identified, some of which were investigated at the time, whilst some of which required post demolition inspection and sampling.

Original Ground Investigation

Guided by the desk study findings and site walkover, a pre-demolition ground investigation was carried out, which did not indicate the presence of widespread soil contamination and identified the requirement for further post-demolition in areas which were identified as being of potential concern with regards to ground contamination. These areas were highlighted on a plan that subsequently formed part of a remediation proposals summary

The results of the ground investigation phase soil contamination testing are enclosed with this letter together with a site plan indicating the sampling locations on the pre-demolition layout of the site, rather than the proposed development layout as indicated on the original site plan.

The locations of each of the apparently localised areas of concern are highlighted on the enclosed Remediation Areas Plan, and discussed in detail in the sections below;

Water Nutrient Dosing and Chemical Store

As part of the former operation of the northern part of this development site as a nursery growing cut flowers within a series of substantial glass houses, the rainwater falling upon the glass house roves was harvested and collected in a large above ground steel built water tank. This water was then dosed with nutrients and pH buffering chemicals in order to ensure that the water could then be used for irrigation within the glasshouses.

Whilst no hazardous or toxic chemicals are understood to have been used as part of this process, it was considered prudent to require an inspection of the ground floor slab of this area once demolition was completed. This inspection was subsequently carried out and no indications of any staining, residual odours or discoloration of the ground was noted such that a requirement for further work in this part of the site was not deemed necessary.

Domestic Oil Tank

The location of the former above ground heating oil tank was inspected and no indications of any staining, residual odours or discoloration of the ground was noted such that a requirement for further work in this part of the site was not deemed necessary.



Photograph showing area of former above ground heating oil tank

Area of Heating Oil Spillage

Localised oil spillage was identified as part of the site walk over survey in the area to the east of the main oil tanks, where a series of former single skin steel oil tanks were located. It is understood that the tanks in this area central eastern area may correspond with the former location of tanks identified on the historical mapping, although at the time of our investigation they were not actively used but appeared to contain oil residues.



Photograph showing some of the disused oil tanks located to the east of the main boiler house prior to demolition.

It is understood that at some point the oil residues or other inflammable substances caused a fire in this part of the site. Whilst it is likely that this would have combusted any of the oils present, it left a residue of ash and debris that required removal.

Following demolition and clearance of this part of the site, the ground level in this part of the site was reduced to remove any residues and the remaining soils inspected to confirm the absence of any staining, residual odours or discoloration of the ground was noted such that a requirement for further work in this part of the site was not deemed necessary.



Photographs showing the clearance of the area of waste oil spillage

Main Boiler House and Above Ground Oil Tanks

As outlined in our initial report, this site was heated by a pair of former marine ship's boilers located within a central boiler house supplied by two above ground tanks. The boilers used were fueled by Marine Bunker Oil, which is a very viscous oil with a treacle like consistency which is less dense than water and has to be preheated in order to be used as a fuel.

The tanks and the boilers were removed by the demolition contractors and the building demolished to ground slab level.

We subsequently attended site to carry out the removal of the floor slab under our inspection and supervision. The initial slab removal indicated the presence of potential asbestos containing materials incorporated into the base of the multi-layered concrete slab, although no indications of widespread hydrocarbon contamination was identified. The works were halted prior to the removal of the main base to the oil tanks as this was found to comprise a substantial concrete structure to ensure that the tanks remained stable.



Photographs showing oil tank base during the early stages of demolition



Photograph showing the removal of the base and short section of duct



Photograph showing presence of asbestos containing materials within the concrete slab of the boiler house



Photograph showing the waste materials from the excavation works



Photograph showing the eastern side of the tank base excavation



Photograph showing the southern side of the tank base
- note the limited relic oil stained clay to 0.25m



Photograph showing tank base prior to removal

Samples recovered from the sides and bases of the excavation to the oil tank area were submitted for laboratory analyses for the presence of hydrocarbons and asbestos fibres. The results of this work are enclosed and indicate that the soils that remain are clean and suitable for the proposed residential end use.

The tank base was removed as part of the road and drainage construction works by others and it is understood that there was no indication of ground contamination under the slab, which is consistent with the findings of our works

Former Brickworks Excavation

The area indicated on the enclosed plan forms part of an historical brickworks clay excavation pit, although it is apparent that this former brickworks excavation was not used for land filling but that limited soils may have accumulated within the reduced level ground. Houses constructed off site to the west are also formed at this reduced level.

This part of the site is currently in use as a site compound and car park, such that access is not currently available.

The proposed development will result in the raising of site levels in this part of the site. Prior to the placement of engineering fill, the surficial soils will be removed to natural clay. This work will be inspected and photographed on order to confirm removal.

Farmyard Oil Tank

The southwestern part of the overall site comprises an historical farmyard complex where a pair of above ground oil tanks were identified in the original ground investigation.

These tanks were removed as part of the site demolition and the ground beneath their former location was inspected as part of the construction of a new road as part of the residential redevelopment of the site



Photograph showing the tanks -note the adjacent ground investigation borehole that encountered low level hydrocarbon contamination



Photograph showing the former location of tank base excavation following removal

This inspection did not reveal any indications of staining, residual odours or discoloration of the ground was noted such that a requirement for further work in this part of the site was not deemed necessary.

Waste Disposal Documentation

Waste disposal documentation is enclosed for the removal of the residual oil remaining within the above ground oil tanks by the demolition contractor.

We are currently awaiting copies of the waste disposal documentation from the ground worker for the removal of the other wastes.

Conclusions

It is recognized that the work carried out to date does not include the initially proposed robust level of soil validation testing, we trust however that this letter provides a sufficient level of documentation and confidence to demonstrate that the identified issues of potential contaminated land concern identified at this site have been inspected and found to either not have resulted in ground contamination or where localised contamination has been encountered, this has been removed.

On the basis of this letter report we would be grateful if you could consider release of the contaminated land planning conditions for this site. In particular we would be grateful of your urgent consideration of the following plots, which are to be handed over to the housing association by the end of this month.

Copseys Nursery Site

Plot Nos 13 to 34, Plot Nos 64, 65 and 66 and Plot Nos 80 to 91

Manor Farm Site

Plot Nos 44 to 56, Plot No 60, Plot Nos 62 to 65, Plot No 71, 74 and 75 and Plot Nos 79 to 89.

We trust that this letter provides sufficient information although please do not hesitate to contact me should you have any queries or questions.

Yours sincerely
Wilson Bailey Partnership

Dominic Brightman
BSc MSc DIC FGS CGeol ARSM

Encs



Dominic Brightman
Wilson Bailey Geotechnical & Environmental Ltd
Carters Cottage
Sherrington
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t: 01622 850410
russell.jarvis@qtsenvironmental.com

QTS Environmental Report No: 13-15177

Site Reference: Copsey

Project / Job Ref: None Supplied

Order No: None Supplied

Sample Receipt Date: 18/06/2013

Sample Scheduled Date: 18/06/2013

Report Issue Number: 2

Reporting Date: 23/03/2015

Authorised by:

Russell Jarvis
Director

On behalf of QTS Environmental Ltd

Authorised by:

Kevin Old
Director

On behalf of QTS Environmental Ltd



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Rose Lane
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Soil Analysis Certificate

QTS Environmental Report No: 13-15177	Date Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Wilson Bailey Geotechnical & Environmental Ltd	Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Copsey	TP / BH No	BH1	BH2	BH3	BH4	BH6
Project / Job Ref: None Supplied	Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: None Supplied	Depth (m)	0.30	0.30	0.10	0.50	0.20
Reporting Date: 23/03/2015	QTSE Sample No	72417	72418	72419	72420	72421

Determinand	Unit	RL	Accreditation					
pH	pH Units	N/a	MCERTS	7.0	6.6	6.4	6.9	6.7
Total Organic Carbon (TOC)	%	< 0.1	MCERTS	8.1	7.4	9	0.8	2.1
Arsenic (As)	mg/kg	< 2	MCERTS	3	4	< 2	7	4
W/S Boron	mg/kg	< 1	NONE	1.5	2.3	2	< 1	< 1
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chromium (Cr)	mg/kg	< 2	MCERTS	14	17	13	32	25
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2
Copper (Cu)	mg/kg	< 4	MCERTS	20	19	9	16	13
Lead (Pb)	mg/kg	< 3	MCERTS	32	34	14	21	25
Mercury (Hg)	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1
Nickel (Ni)	mg/kg	< 3	MCERTS	8	9	6	21	12
Selenium (Se)	mg/kg	< 3	NONE	< 3	< 3	< 3	< 3	< 3
Zinc (Zn)	mg/kg	< 3	MCERTS	85	93	45	74	74
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2

Analytical results are expressed on a dry weight basis where samples are dried at less than 30°C

Analysis carried out on the dried sample is corrected for the stone content

Subcontracted analysis ⁽³⁾



QTS Environmental Ltd
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Soil Analysis Certificate

QTS Environmental Report No: 13-15177	Date Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Wilson Bailey Geotechnical & Environmental Ltd	Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Copsey	TP / BH No	BH8	BH9	BH11	BH13	BH14
Project / Job Ref: None Supplied	Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: None Supplied	Depth (m)	0.30	0.30	0.50	0.20	0.40
Reporting Date: 23/03/2015	QTSE Sample No	72422	72423	72424	72425	72426

Determinand	Unit	RL	Accreditation					
pH	pH Units	N/a	MCERTS	7.0	11.5	8.3	6.2	5.8
Total Organic Carbon (TOC)	%	< 0.1	MCERTS	1.5	0.5	1.2	1.3	1.2
Arsenic (As)	mg/kg	< 2	MCERTS	4	6	4	5	4
W/S Boron	mg/kg	< 1	NONE	1.7	< 1	1.4	1.1	1.2
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chromium (Cr)	mg/kg	< 2	MCERTS	19	9	21	24	19
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2
Copper (Cu)	mg/kg	< 4	MCERTS	9	< 4	12	13	7
Lead (Pb)	mg/kg	< 3	MCERTS	23	31	30	41	25
Mercury (Hg)	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1
Nickel (Ni)	mg/kg	< 3	MCERTS	12	8	14	14	12
Selenium (Se)	mg/kg	< 3	NONE	< 3	< 3	< 3	< 3	< 3
Zinc (Zn)	mg/kg	< 3	MCERTS	46	58	71	55	45
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2

Analytical results are expressed on a dry weight basis where samples are dried at less than 30°C.

Analysis carried out on the dried sample is corrected for the stone content.

Subcontracted analysis ⁽⁵⁾



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Soil Analysis Certificate

QTS Environmental Report No: 13-15177	Date Sampled	None Supplied			
Wilson Bailey Geotechnical & Environmental Ltd	Time Sampled	None Supplied			
Site Reference: Copsey	TP / BH No	BH15			
Project / Job Ref: None Supplied	Additional Refs	None Supplied			
Order No: None Supplied	Depth (m)	0.20			
Reporting Date: 23/03/2015	QTSE Sample No	72427			

Determinand	Unit	RL	Accreditation				
pH	pH Units	N/a	MCERTS	6.1			
Total Organic Carbon (TOC)	%	< 0.1	MCERTS	0.9			
Arsenic (As)	mg/kg	< 2	MCERTS	5			
W/S Boron	mg/kg	< 1	NONE	1.1			
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	< 0.5			
Chromium (Cr)	mg/kg	< 2	MCERTS	22			
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2			
Copper (Cu)	mg/kg	< 4	MCERTS	6			
Lead (Pb)	mg/kg	< 3	MCERTS	18			
Mercury (Hg)	mg/kg	< 1	NONE	< 1			
Nickel (Ni)	mg/kg	< 3	MCERTS	13			
Selenium (Se)	mg/kg	< 3	NONE	< 3			
Zinc (Zn)	mg/kg	< 3	MCERTS	40			
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2			

Analytical results are expressed on a dry weight basis where samples are dried at less than 30°C

Analysis carried out on the dried sample is corrected for the stone content

Subcontracted analysis ⁰⁰



QTS Environmental Ltd
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Soil Analysis Certificate - Speciated PAHs

QTS Environmental Report No: 13-15177	Date Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Wilson Bailey Geotechnical & Environmental L	Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Copsey	TP / BH No	BH1	BH2	BH3	BH4	BH6
Project / Job Ref: None Supplied	Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: None Supplied	Depth (m)	0.30	0.30	0.10	0.50	0.20
Reporting Date: 23/03/2015	QTSE Sample No	72417	72418	72419	72420	72421

Determinand	Unit	RL	Accreditation					
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Pyrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Dibenzo(a,h)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6

Analytical results are expressed on a dry weight basis where samples are dried at less than 3rd °C



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Soil Analysis Certificate - Speciated PAHs

QTS Environmental Report No: 13-15177	Date Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Wilson Bailey Geotechnical & Environmental Ltd	Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Copsey	TP / BH No	BH8	BH9	BH11	BH13	BH14
Project / Job Ref: None Supplied	Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: None Supplied	Depth (m)	0.30	0.30	0.50	0.20	0.40
Reporting Date: 23/03/2015	QTSE Sample No	72422	72423	72424	72425	72426

Determinand	Unit	RL	Accreditation					
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.44	< 0.1	< 0.1
Anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Pyrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.26	< 0.1	< 0.1
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.15	< 0.1	< 0.1
Chrysene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.37	< 0.1	< 0.1
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6

Analytical results are expressed on a dry weight basis where samples are dried at less than 3rd °C



QTS Environmental Ltd
Unit 1, Rose Lane Industrial Estate
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Maidstone
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Tel : 01622 850410



Soil Analysis Certificate - Speciated PAHs

QTS Environmental Report No: 13-15177	Date Sampled	None Supplied			
Wilson Bailey Geotechnical & Environmental L	Time Sampled	None Supplied			
Site Reference: Copsey	TP / BH No	BH15			
Project / Job Ref: None Supplied	Additional Refs	None Supplied			
Order No: None Supplied	Depth (m)	0.20			
Reporting Date: 23/03/2015	QTSE Sample No	72427			

Determinand	Unit	RL	Accreditation				
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1			
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1			
Acenaphthene	mg/kg	< 0.1	MCERTS	< 0.1			
Fluorene	mg/kg	< 0.1	MCERTS	< 0.1			
Phenanthrene	mg/kg	< 0.1	MCERTS	< 0.1			
Anthracene	mg/kg	< 0.1	MCERTS	< 0.1			
Fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1			
Pyrene	mg/kg	< 0.1	MCERTS	< 0.1			
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	< 0.1			
Chrysene	mg/kg	< 0.1	MCERTS	< 0.1			
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1			
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1			
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	< 0.1			
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	< 0.1			
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	< 0.1			
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	< 0.1			
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	< 1.6			

Analytical results are expressed on a dry weight basis where samples are dried at less than 30 °C



QTS Environmental Ltd
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Rose Lane
Lenham Heath
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Soil Analysis Certificate - TPH CWG Banded

QTS Environmental Report No: 13-15177	Date Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Wilson Bailey Geotechnical & Environmental L	Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Copsey	TP / BH No	BH1	BH2	BH3	BH4	BH6
Project / Job Ref: None Supplied	Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: None Supplied	Depth (m)	0.30	0.30	0.10	0.50	0.20
Reporting Date: 23/03/2015	QTSE Sample No	72417	72418	72419	72420	72421

Determinand	Unit	RL	Accreditation					
Aliphatic >C5 - C6	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C6 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic >C8 - C10	mg/kg	< 2	MCERTS	< 1	< 1	< 1	< 1	< 1
Aliphatic >C10 - C12	mg/kg	< 2	MCERTS	< 1	< 1	< 1	< 1	< 1
Aliphatic >C12 - C16	mg/kg	< 3	MCERTS	< 1	< 1	< 1	< 1	< 1
Aliphatic >C16 - C21	mg/kg	< 3	MCERTS	< 1	< 1	< 1	< 1	< 1
Aliphatic >C21 - C34	mg/kg	< 10	MCERTS	8	12	29	7	15
Aliphatic (C5 - C34)	mg/kg	< 21	NONE	< 12	12	29	< 12	15
Aromatic >C5 - C7	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10	mg/kg	< 2	MCERTS	< 1	< 1	< 1	< 1	< 1
Aromatic >C10 - C12	mg/kg	< 2	MCERTS	< 1	< 1	< 1	< 1	< 1
Aromatic >C12 - C16	mg/kg	< 2	MCERTS	< 1	< 1	< 1	< 1	< 1
Aromatic >C16 - C21	mg/kg	< 3	MCERTS	< 1	< 1	< 1	< 1	< 1
Aromatic >C21 - C35	mg/kg	< 10	MCERTS	< 6	19	16	< 6	7
Aromatic (C5 - C35)	mg/kg	< 21	NONE	< 12	19	16	< 12	< 12
Total >C5 - C35	mg/kg	< 42	NONE	< 24	31	45	< 24	< 24

Analytical results are expressed on a dry weight basis where samples are dried at less than 31°C



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Maidstone
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Tel : 01622 850410



Soil Analysis Certificate - TPH CWG Banded

QTS Environmental Report No: 13-15177	Date Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Wilson Bailey Geotechnical & Environmental L	Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Copsey	TP / BH No	BH8	BH9	BH11	BH13	BH14
Project / Job Ref: None Supplied	Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: None Supplied	Depth (m)	0.30	0.30	0.50	0.20	0.40
Reporting Date: 23/03/2015	QTSE Sample No	72422	72423	72424	72425	72426

Determinand	Unit	RL	Accreditation					
Aliphatic >C5 - C6	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C6 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic >C8 - C10	mg/kg	< 2	MCERTS	< 1	< 1	< 1	< 1	< 1
Aliphatic >C10 - C12	mg/kg	< 2	MCERTS	< 1	< 1	< 1	< 1	< 1
Aliphatic >C12 - C16	mg/kg	< 3	MCERTS	< 1	< 1	13	< 1	< 1
Aliphatic >C16 - C21	mg/kg	< 3	MCERTS	< 1	< 1	18	< 1	< 1
Aliphatic >C21 - C34	mg/kg	< 10	MCERTS	< 6	< 6	36	< 6	< 6
Aliphatic (C5 - C34)	mg/kg	< 21	NONE	< 12	< 12	67	< 12	< 12
Aromatic >C5 - C7	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10	mg/kg	< 2	MCERTS	< 1	< 1	< 1	< 1	< 1
Aromatic >C10 - C12	mg/kg	< 2	MCERTS	< 1	< 1	< 1	< 1	< 1
Aromatic >C12 - C16	mg/kg	< 2	MCERTS	< 1	< 1	< 1	< 1	< 1
Aromatic >C16 - C21	mg/kg	< 3	MCERTS	< 1	< 1	< 1	< 1	< 1
Aromatic >C21 - C35	mg/kg	< 10	MCERTS	< 6	< 6	< 6	< 6	< 6
Aromatic (C5 - C35)	mg/kg	< 21	NONE	< 12	< 12	< 12	< 12	< 12
Total >C5 - C35	mg/kg	< 42	NONE	< 24	< 24	67	< 24	< 24

Analytical results are expressed on a dry weight basis where samples are dried at less than 3rd °C



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Soil Analysis Certificate - TPH CWG Banded					
QTS Environmental Report No: 13-15177	Date Sampled	None Supplied			
Wilson Bailey Geotechnical & Environmental L	Time Sampled	None Supplied			
Site Reference: Copsey	TP / BH No	BH15			
Project / Job Ref: None Supplied	Additional Refs	None Supplied			
Order No: None Supplied	Depth (m)	0.20			
Reporting Date: 23/03/2015	QTSE Sample No	72427			

Determinand	Unit	RL	Accreditation				
Aliphatic >C5 - C6	mg/kg	< 0.01	NONE	< 0.01			
Aliphatic >C6 - C8	mg/kg	< 0.05	NONE	< 0.05			
Aliphatic >C8 - C10	mg/kg	< 2	MCERTS	< 1			
Aliphatic >C10 - C12	mg/kg	< 2	MCERTS	< 1			
Aliphatic >C12 - C16	mg/kg	< 3	MCERTS	< 1			
Aliphatic >C16 - C21	mg/kg	< 3	MCERTS	< 1			
Aliphatic >C21 - C34	mg/kg	< 10	MCERTS	< 6			
Aliphatic (C5 - C34)	mg/kg	< 21	NONE	< 12			
Aromatic >C5 - C7	mg/kg	< 0.01	NONE	< 0.01			
Aromatic >C7 - C8	mg/kg	< 0.05	NONE	< 0.05			
Aromatic >C8 - C10	mg/kg	< 2	MCERTS	< 1			
Aromatic >C10 - C12	mg/kg	< 2	MCERTS	< 1			
Aromatic >C12 - C16	mg/kg	< 2	MCERTS	< 1			
Aromatic >C16 - C21	mg/kg	< 3	MCERTS	< 1			
Aromatic >C21 - C35	mg/kg	< 10	MCERTS	< 6			
Aromatic (C5 - C35)	mg/kg	< 21	NONE	< 12			
Total >C5 - C35	mg/kg	< 42	NONE	< 24			

Analytical results are expressed on a dry weight basis where samples are dried at less than 30°C



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Soil Analysis Certificate - BTEX / MTBE						
QTS Environmental Report No: 13-15177	Date Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Wilson Bailey Geotechnical & Environmental L	Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Copsey	TP / BH No	BH1	BH2	BH3	BH4	BH6
Project / Job Ref: None Supplied	Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: None Supplied	Depth (m)	0.30	0.30	0.10	0.50	0.20
Reporting Date: 23/03/2015	QTSE Sample No	72417	72418	72419	72420	72421

Determinand	Unit	RL	Accreditation					
Benzene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Toluene	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	ug/kg	< 2	MCERTS	< 10	< 10	< 10	< 10	< 10
p & m-xylene	ug/kg	< 2	MCERTS	< 10	< 10	< 10	< 10	< 10
o-xylene	ug/kg	< 2	MCERTS	< 10	< 10	< 10	< 10	< 10

Analytical results are expressed on a dry weight basis where samples are dried at less than 3rd °C



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Soil Analysis Certificate - BTEX / MTBE						
QTS Environmental Report No: 13-15177	Date Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Wilson Bailey Geotechnical & Environmental L	Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Copsey	TP / BH No	BH8	BH9	BH11	BH13	BH14
Project / Job Ref: None Supplied	Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: None Supplied	Depth (m)	0.30	0.30	0.50	0.20	0.40
Reporting Date: 23/03/2015	QTSE Sample No	72422	72423	72424	72425	72426

Determinand	Unit	RL	Accreditation					
Benzene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Toluene	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	ug/kg	< 2	MCERTS	< 10	< 10	< 10	< 10	< 10
p & m-xylene	ug/kg	< 2	MCERTS	< 10	< 10	< 10	< 10	< 10
o-xylene	ug/kg	< 2	MCERTS	< 10	< 10	< 10	< 10	< 10

Analytical results are expressed on a dry weight basis where samples are dried at less than 3rd °C



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Soil Analysis Certificate - Sample Descriptions

QTS Environmental Report No: 13-15177

Wilson Bailey Geotechnical & Environmental Ltd

Site Reference: Copsey

Project / Job Ref: None Supplied

Order No: None Supplied

Reporting Date: 23/03/2015

QTSE Sample No	TP / BH No	Additional Refs	Depth (m)	Moisture Content (%)	Sample Matrix Description
^ 72417	BH1	None Supplied	0.30	22.1	Grey clayey loam
^ 72418	BH2	None Supplied	0.30	20.2	Brown clayey loam
^ 72419	BH3	None Supplied	0.10	3.1	Light grey loamy sand with rubble
^ 72420	BH4	None Supplied	0.50	14.5	Light brown sandy clay
^ 72421	BH6	None Supplied	0.20	9.1	Brown sandy loam
^ 72422	BH8	None Supplied	0.30	11.3	Brown sandy clay
^ 72423	BH9	None Supplied	0.30	7.5	Light grey loamy gravel with concrete
^ 72424	BH11	None Supplied	0.50	13.6	Light grey sandy clay
^ 72425	BH13	None Supplied	0.20	9.9	Light brown sandy clay with vegetation
^ 72426	BH14	None Supplied	0.40	10.9	Light brown sandy clay with vegetation
^ 72427	BH15	None Supplied	0.20	12.4	Light brown sandy clay with stones

Moisture content is part of procedure E003 & is not an accredited test

Insufficient Sample ^{IS}

Unsuitable Sample ^{US}

^ no sampling date provided; unable to confirm if samples are within acceptable holding times



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Soil Analysis Certificate - Methodology & Miscellaneous Information	
QTS Environmental Report No: 13-15177	
Wilson Bailey Geotechnical & Environmental Ltd	
Site Reference: Copsey	
Project / Job Ref: None Supplied	
Order No: None Supplied	
Reporting Date: 23/03/2015	

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Soil	D	Boron - Water Soluble	Determination of water soluble boron in soil by 2:1 hot water extract followed by ICP-OES	E012
Soil	AR	BTEX	Determination of BTEX by headspace GC-MS	E001
Soil	D	Cations	Determination of cations in soil by aqua-regia digestion followed by ICP-OES	E002
Soil	D	Chloride - Water Soluble (2:1)	Determination of chloride by extraction with water & analysed by ion chromatography	E009
Soil	AR	Chromium - Hexavalent	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	E016
Soil	AR	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E015
Soil	D	Cyclohexane Extractable Matter (CEM)	Gravimetrically determined through extraction with cyclohexane	E011
Soil	AR	Diesel Range Organics (C10 - C24)	Determination of hexane/acetone extractable hydrocarbons by GC-FID	E004
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of saturated calcium sulphate followed by electrometric measurement	E022
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of water followed by electrometric measurement	E023
Soil	D	Elemental Sulphur	Determination of elemental sulphur by solvent extraction followed by GC-MS	E020
Soil	AR	EPH (C10 - C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH Product ID	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID for C8 to C40, C6 to C8 by headspace GC-MS	E004
Soil	D	Fluoride - Water Soluble	Determination of Fluoride by extraction with water & analysed by ion chromatography	E009
Soil	D	FOC (Fraction Organic Carbon)	Determination of fraction of organic carbon by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	D	Loss on Ignition @ 450oC	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	E019
Soil	D	Magnesium - Water Soluble	Determination of water soluble magnesium by extraction with water followed by ICP-OES	E025
Soil	D	Metals	Determination of metals by aqua-regia digestion followed by ICP-OES	E002
Soil	AR	Mineral Oil (C10 - C40)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge	E004
Soil	AR	Moisture Content	Moisture content; determined gravimetrically	E003
Soil	D	Nitrate - Water Soluble (2:1)	Determination of nitrate by extraction with water & analysed by ion chromatography	E009
Soil	D	Organic Matter	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	PAH - Speciated (EPA 16)	Determination of PAH compounds by extraction in acetone and hexane followed by GC-MS with the use of surrogate and internal standards	E005
Soil	AR	PCB - 7 Congeners	Determination of PCB by extraction with acetone and hexane followed by GC-MS	E008
Soil	D	Petroleum Ether Extract (PEE)	Gravimetrically determined through extraction with petroleum ether	E011
Soil	AR	pH	Determination of pH by addition of water followed by electrometric measurement	E007
Soil	AR	Phenols - Total (monohydric)	Determination of phenols by distillation followed by colorimetry	E021
Soil	D	Phosphate - Water Soluble (2:1)	Determination of phosphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Total	Determination of total sulphate by extraction with 10% HCl followed by ICP-OES	E013
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of sulphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of water soluble sulphate by extraction with water followed by ICP-OES	E014
Soil	AR	Sulphide	Determination of sulphide by distillation followed by colorimetry	E018
Soil	D	Sulphur - Total	Determination of total sulphur by extraction with aqua-regia followed by ICP-OES	E024
Soil	AR	SVOC	Determination of semi-volatile organic compounds by extraction in acetone and hexane followed by GC-MS	E006
Soil	AR	Thiocyanate (as SCN)	Determination of thiocyanate by extraction in caustic soda followed by acidification followed by addition of ferric nitrate followed by colorimetry	E017
Soil	D	Toluene Extractable Matter (TEM)	Gravimetrically determined through extraction with toluene	E011
Soil	D	Total Organic Carbon (TOC)	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	TPH CWG (ali: C5- C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C35, C5 to C8 by headspace GC-MS	E004
Soil	AR	TPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C44, C5 to C8 by headspace GC-MS	E004
Soil	AR	VOCs	Determination of volatile organic compounds by headspace GC-MS	E001
Soil	AR	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E001

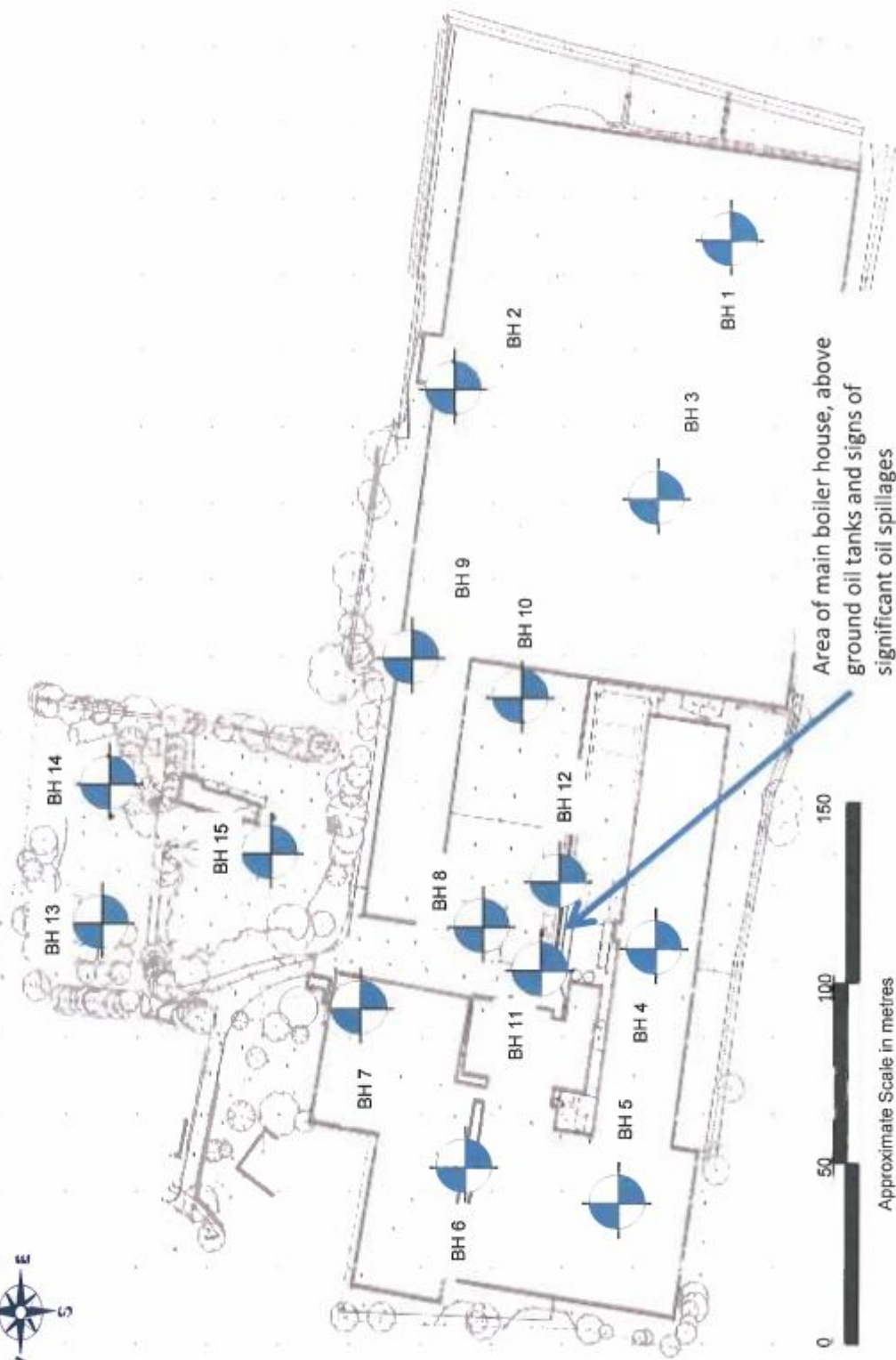
D Dried
AR As Received

Site Copeys Nursery Site, Denvilles, Havant

Client BDW Southampton Limited

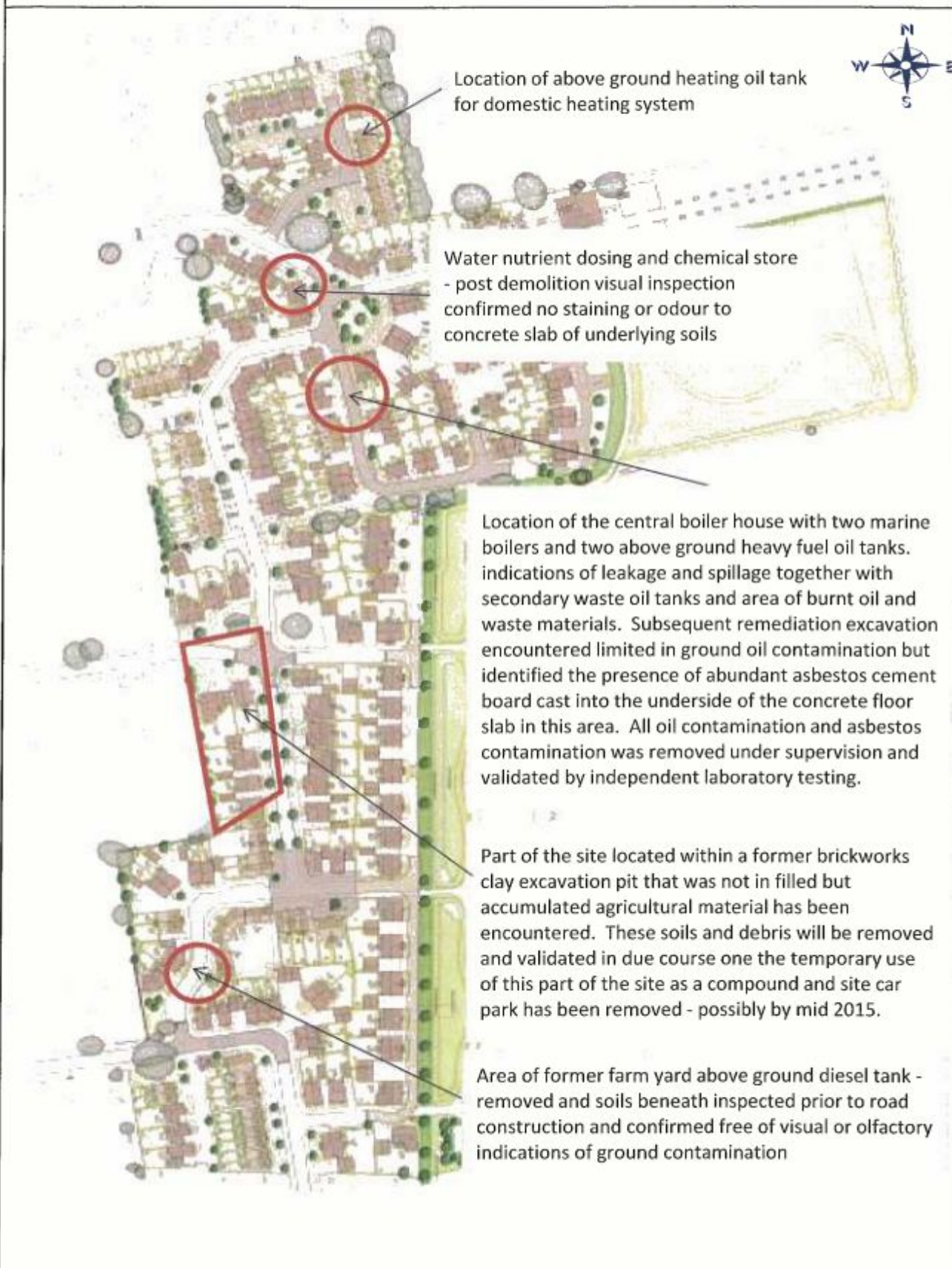


HAVANT BOROUGH
COUNCIL
15 SEP 2015
RECEIVED



Site Manor Farm and Copseys Nursery Sites, Denvilles, Havant

Client BDW Southampton





Dominic Brightman
Wilson Bailey Geotechnical & Environmental Ltd
Hollyhead House
Compton Chamberlayne
Salisbury
Wiltshire
SP3 5DS



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t: 01622 850410
russell.jarvis@qtsenvironmental.com

QTS Environmental Report No: 14-18771

Site Reference: Copseys

Project / Job Ref: None Supplied

Order No: None Supplied

Sample Receipt Date: 17/01/2014

Sample Scheduled Date: 17/01/2014

Report Issue Number: 1

Reporting Date: 23/01/2014

Authorised by:

Russell Jarvis
Director

On behalf of QTS Environmental Ltd

Authorised by:

Kevin Old
Director

On behalf of QTS Environmental Ltd



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Lenham Heath
Maidstone
Kent ME17 2JN
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Soil Analysis Certificate						
QTS Environmental Report No: 14-18771	Date Sampled	15/01/14	15/01/14	15/01/14	15/01/14	15/01/14
Wilson Bailey Geotechnical & Environmental Ltd	Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Copseys	TP / BH No	Tank Area E	Tank Area N	Tank Area S	Tank Area W	Waste
Project / Job Ref: None Supplied	Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: None Supplied	Depth (m)	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Reporting Date: 23/01/2014	QTSE Sample No	90620	90621	90622	90623	90624

Determinand	Unit	RL	Accreditation					
Asbestos Screen ⁽⁵⁾	N/a	N/a	ISO17025	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
pH	pH Units	N/a	MCERTS	8.1	8.3	7.8	7.8	9.5
Total Organic Carbon (TOC)	%	< 0.1	NONE	0.4	0.4	0.4	0.5	1.1

Analytical results are expressed on a dry weight basis where samples are dried at less than 30°C

Analysis carried out on the dried sample is corrected for the stone content

The samples have been examined to identify the presence of asbestiform minerals by polarising light microscopy and dispersion staining technique to In-House Procedures QTSE600 Determination of Asbestos in Bulk Materials; Asbestos in Soils/Sediments (fibre screening and identification)

This report refers to samples as received, and QTS Environmental Ltd, takes no responsibility for the accuracy or competence of sampling by others.

The material description shall be regarded as tentative and is not included in our scope of UKAS Accreditation.

Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.

Asbestos Analyst: Javeed Malik

RL: Reporting Limit

Pinch Test: Where pinch test is positive it is reported "Loose Fibres - PT" with type(s).

Subcontracted analysis ⁽⁵⁾



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Maidstone
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Soil Analysis Certificate - TPH CWG Banded

QTS Environmental Report No: 14-18771	Date Sampled	15/01/14	15/01/14	15/01/14	15/01/14	15/01/14
Wilson Bailey Geotechnical & Environmental Ltd	Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Copseys	TP / BH No	Tank Area E	Tank Area N	Tank Area S	Tank Area W	Waste
Project / Job Ref: None Supplied	Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: None Supplied	Depth (m)	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Reporting Date: 23/01/2014	QTSE Sample No	90620	90621	90622	90623	90624

Determinand	Unit	RL	Accreditation					
Aliphatic >C5 - C6	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C6 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic >C8 - C10	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1
Aliphatic >C10 - C12	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1
Aliphatic >C12 - C16	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1
Aliphatic >C16 - C21	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1
Aliphatic >C21 - C34	mg/kg	< 6	NONE	< 6	< 6	< 6	< 6	< 6
Aliphatic (C5 - C34)	mg/kg	< 12	NONE	< 12	< 12	< 12	< 12	< 12
Aromatic >C5 - C7	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1
Aromatic >C10 - C12	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1
Aromatic >C12 - C16	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1
Aromatic >C16 - C21	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1
Aromatic >C21 - C35	mg/kg	< 6	NONE	< 6	< 6	< 6	< 6	< 6
Aromatic (C5 - C35)	mg/kg	< 12	NONE	< 12	< 12	< 12	< 12	< 12
Total >C5 - C35	mg/kg	< 24	NONE	< 24	< 24	< 24	< 24	< 24

Analytical results are expressed on a dry weight basis where samples are dried at less than 30°C

Compound 3 Solomons Lane,
Waltham Chase,
Southampton,
Hampshire, SO32 2LY
Tel: 0845 873 6620
Fax: 0845 873 6621
Email: rms.waste@virgin.net



Transfer Note

Date: 28/11/2013

Transfer Note No: 715624

Section A

Purchase Order No:

Producer of Waste
Hughes & Salvidge-Copseys Mark Cornet or Matt Burke
Directions:
Wash out - Waste Oil removal & disposal

Site Address:
Copseys Nursery
Blenheim Gardens, Havant
Hants PO9 2PN

Total Net:
VAT:
Gross Total:
Payment Type: On Account

Signature:

Payment Status: Payment Please

Section B - Description of Waste

Description of Waste: Removal & disposal of oil/ water
Quantity of Waste: 5380 kg
EWC Code: 130701- Fuel oil & diesel

Vehicle Reg No: po58 brz
Waste Type: Commercial

Section C - Place of Transfer/ Disposal

Content Type: Strong Content
Disposal Company Name: Veolia Environmental Services
Address:
Veolia, Area 6 Oceanic Way
Marchwood,
Southampton, Hampshire,
SO40 4RN

Waste Management
Licence: NP383UL
Gallons Removed: 5380 kg
Consignment No: 715624

Time & Date: 28/11/2013

Carrier: RMS

Signature:

Disposal Signature:

Print Name: a holder

Print Name: nigel

Section D

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

Arrival Time: 28/11/13 08:30:04
Departure Time: 28/11/13 14:16:04
Travel Time: 0 : 00
Total Job Hrs: 5 : 45

Customer Signature:

Name Printed: ralston

The Hazardous Waste Regulations 2005: Consignment Note



CONSIGNEE'S COPY

1. Waste reference number 014032 / R 1023	4. The waste will be taken to (name, address and postcode): WASTE DISPOSAL LTD 2000 6 2000 40 100 WASTE DISPOSAL LTD 2000 6 2000 40 100
2. The waste described below is to be removed from (name, address, postcode, telephone, e-mail, facsimile): WASTE DISPOSAL LTD 2000 6 2000 40 100 WASTE DISPOSAL LTD 2000 6 2000 40 100	5. The waste producer was (if different from 2) (name, address, postcode, telephone, e-mail, facsimile):
3. Premises code (where applicable): 014032	

PART B Description of the waste						If continuation sheet used, tick here ☐	
1. The process giving rise to the waste(s) was: WASTE OIL				2. SIC for the process giving rise to the waste: 42.11.1			
3. WASTE DETAILS (where more than one waste type is collected all of the information given below must be completed or each EWC identified).							
Description of waste	List of wastes (EWC code) (6 digits)	Quantity (kg)	The chemical/biological components of the waste and their concentrations are:		Physical form (gas, liquid, solid, powder, sludge or mixed)	Hazard code(s)	Container type, number and size
			Component	Concentration (% or mg/kg)			
WASTE OIL	130701	4000 kg	WASTE OIL	10%	LIQUID	47	130701
The information given below is to be completed for each EWC identified							
EWC code	Packing group(s)	UN identification number(s)	Proper shipping name(s)	UN class(es)	Special handling requirements		
130701							

PART C Carrier's certificate	PART D Consignor's certificate
(If more than one carrier is used, please attach schedule for subsequent carriers. If a schedule of carriers is attached tick here: ☐) I certify that I today collected the consignment and that the details in A2, A4 and B3 are correct and I have been advised of any specific handling requirements. Carrier Name: RMS Waste Disposal Ltd On behalf of (name, address, postcode, telephone, e-mail, facsimile): Compound 3, Solomons Lane, Waltham Chase Southampton, Hants SO32 2LY Tel: 0845 8736 620 2. Carrier registration no./reason for exemption: CB/DNS31OLP 3. Vehicle registration no. (or mode of transport, if not road): V058 BZ2 Signature: _____ Date: 28/11/2013 Time: 1515	I certify that the information in A, B and C above is correct, that the carrier is registered or exempt and was advised of the appropriate precautionary measures. All of the waste is packaged and labelled correctly and the carrier has been advised of any handling requirements. 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. 1. Consignor Name: _____ On behalf of (name, address, postcode, telephone, e-mail, facsimile): Signature: _____ Date: _____ Time: _____

PART E Consignee's certificate (where more than one waste type is collected all of the information given below must be completed for each EWC)			
Individual EWC code(s) received	Quantity of each EWC code received (kg)	EWC code accepted/rejected	Waste management operation (R or D code)
130701	5380 kg	ACCEPTED	R9
1. I received this waste at the address given in A4 on: Date 28/11/2013 Time 1515			
2. Vehicle registration no. (or mode of transport if not road): V058 BZ2			
3. Where waste is rejected please provide details			
I certify that waste management licence/permit/authorised exemption no: NP383306			
authorises the management of the waste described in B at the address given in A4			
Signature: _____ Date: 28/11/2013 Time: 1540			

Serial No: **20688**
WEIGHT DATA

 Date: **27/11/15**

CUSTOMER DETAILS	
Contact:	Highland Salvage
Tel No:	01625 2461518
Order No:	105572461518

WASTE PRODUCER
Consignment Note No: 010052/R1023

SERVICE DETAILS		
Date:		20700
Time on site:		
Time off site:		
Disposal time: Arrival at depot/disposal site and unloading time		
Travel time: Depot/site/depot (plus travel time to/from third party disposal site where applicable)		
Total hours:		

Special comments:
Process on/water for incinerated disposal by Vedica

I certify that this work has been carried out to my complete satisfaction
Signed:
Print:
Date:
Representing:

DUTY OF CARE
Product/Waste Description
Drum ☐ Bulk ☐ Other ☐
Please describe:
Volume:
Veolia ES (UK) Limited Registered Waste Carrier No. CBEP3195BG
Other Waste Carrier:
Licence No:
Haz Chem No:
Vehicle Reg: PO542
Driver: M. J. Jones
Signature: [Signature]
Date: 27/11/15

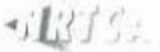
LICENSED DISPOSAL POINT
Operator: Vedica
Licence No: N/38330R
Issued by: PA LIAISON
Volume: 5390Kg
DISPOSAL SIGNATURE
Signed: N. L.
Print: N. L. Jones
Date: 27/11/15
Representing: M. J. Jones

EFTCO

www.eftco.org

European Cleaning Document**GB 1456495**

www.nrtca.co.uk
 +44 (0)1977 607607
 +44 (0)1977 607004
 enquiries@nrtca.co.uk

**Isotank Depot Services Ltd**

Site A2, North Road Marchwood Industrial Park Marchwood Southampton SO404BL

Tel: 02380 873789, Fax: 02380 666789, Email: southampton@isotank.co.uk

a cotac network partner

2 Customer reference number*		3 Serial number 303 / 584385													
4 Customer RMS Waste Disposal Ltd COMPOUND 3 SOLOMANS LANE WALKTHAM CHASE SOUTHAMPTON SO32 2LX		5 Identification numbers Vehicle PO58BRZ Tank, Container													
6 Nature of product*		7 Next Load* NOTED BELOW IF DECLARED													
8 Previous load		9 Cleaning Procedures													
Comp	UN N°	EFTCO Code / Description*													
1	0	<table border="0"> <tr> <td>P10/F01</td> <td>HOT WATER WASH</td> <td>P10A</td> </tr> <tr> <td></td> <td>ENERGY SURCHARGE (CLEAN)</td> <td>ES</td> </tr> <tr> <td>W50</td> <td>EFFLUENT SURCHARGE</td> <td>W50C</td> </tr> <tr> <td></td> <td>REGIONAL SURCHARGE</td> <td>S001</td> </tr> </table>		P10/F01	HOT WATER WASH	P10A		ENERGY SURCHARGE (CLEAN)	ES	W50	EFFLUENT SURCHARGE	W50C		REGIONAL SURCHARGE	S001
P10/F01	HOT WATER WASH	P10A													
	ENERGY SURCHARGE (CLEAN)	ES													
W50	EFFLUENT SURCHARGE	W50C													
	REGIONAL SURCHARGE	S001													
10 Additional Services															
11 Comments															
12 Name cleaner* CURTIS		13 Time In* 28/11/2013 16:26 Time Out 28/11/2013 16:26													
The cleaning station and the driver confirm that the above service(s) to clean the tank have been carried out (see EFTCO definition of 'clean'). All work is undertaken under Isotank Group standard Terms and Conditions of trading a copy of which is available on request.															
14 Cleaning Station Name On behalf of Isotank Depot Services Ltd Signature		15 Driver* Name MR HOLDER Signature													

* Optional

The Hazardous Waste Regulations 2005: Consignment Note



PRODUCER'S/HOLDER'S/CONSIGNOR'S* COPY (*Delete as appropriate)

1. **0140321R1023**

2. The waste described below is to be removed from (name, address, postcode, telephone, e-mail, facsimile): **HUGHES & SALVADORI**
COPSE NURSERY
BIGNHEIM GARDENS
HAVERANT PO9 2PN

3. Premises code (where applicable): **014032**

4. The waste will be taken to (name, address and postcode): **UGOLIA ENVIRONMENTAL**
AREA 6 OCEANIC WAY
MARCHWOOD IND EST
MARCHWOOD SO40 4BD

5. The waste producer was (if different from 2) (name, address, postcode, telephone, e-mail, facsimile):

PART B Description of the waste If continuation sheet used, tick here ☐

1. The process giving rise to the waste(s) was: **WASTE OIL FROM DEMOLITION SITE**

2. SIC for the process giving rise to the waste: **45.11.1**

3. WASTE DETAILS (where more than one waste type is collected all of the information given below must be completed or each EWC identified)

Description of waste	List of wastes (EWC code) (6 digits)	Quantity (kg)	The chemical/biological components of the waste and their concentrations are:		Physical form (gas, liquid, solid, powder, sludge or mixed)	Hazard code(s)	Container type, number and size
			Component	Concentration (% or mg/kg)			
WASTE OIL	130701	9000 kg	WATER OIL	10 90 %	LIQUID	H7	DRUM

The information given below is to be completed for each EWC identified

EWC code	Packing group(s)	UN identification number(s)	Proper shipping name(s)	UN class(es)	Special handling requirements

PART C Carrier's certificate

(If more than one carrier is used, please attach schedule for subsequent carriers. If a schedule of carriers is attached tick here: ☐)

I certify that I today collected the consignment and that the details in A2, A4 and B3 are correct and I have been advised of any specific handling requirements.

1. Carrier Name: **RMS Waste Disposal Ltd**
On behalf of (name, address, postcode, telephone, e-mail, facsimile):
Compound 3, Solomons Lane, Waltham Chase
Southampton, Hants SO32 2LY Tel. 0845 8736 620

2. Carrier registration no./reason for exemption:
CB/DN531OLP

3. Vehicle registration no. (or mode of transport if not road): **PO58 BT**

Signature: **[Signature]**

Date: **28/11/2013** Time: **14:17**

PART D Consignor's certificate

I certify that the information in A, B and C above is correct, that the carrier is registered or exempt and was advised of the appropriate precautionary measures. All of the waste is packaged and labelled correctly and the carrier has been advised of any handling requirements.

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.

1. Consignor Name: **HUGHES & SALVADORI**
On behalf of (name, address, postcode, telephone, e-mail, facsimile):
BIGNHEIM GARDENS
HAVERANT

Date: **28/11/2013** Time: **14:17**

PART E Consignee's certificate (where more than one waste type is collected all of the information given below must be completed for each EWC)

Individual EWC code(s) received	Quantity of each EWC code received (kg)	EWC code accepted/rejected	Waste management operation (R or D code)

1. I received this waste at the address given in A4 on: Date **28/11/2013** Time **14:17**

2. Vehicle registration no. (or mode of transport if not road):

3. Where waste is rejected please provide details

I certify that waste management licence/permit/authorised exemption no(s):

authorises the management of the waste described in B at the address given in A4

Signature: **[Signature]**

Date: **28/11/2013** Time: **14:17**