

Pimpernel
PROPERTIES LIMITED

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Alexander Kalorkati
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Shepway District Council
Civic Centre
Castle Hill Avenue
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Kent CT20 2QY

Post Room

29 DEC 2016

223/12/16

Dear Alexander

366, Canterbury Rd. Densole
Y16/0460/SH Condition 4

Thank you for sending me a copy of Dr. Horsley's comments of the 14th of December.

I enclose copies a copy of the chemical analysis of a composite soil sample taken from the middle of the site at depths from ground level to 3m depth as part of the Soiltec ground investigation.

The analysis shows that the sample is sufficiently uncontaminated to allow for disposal of the soil in non-hazardous landfill. It also suggests a low and acceptable risk of the transmission of contaminants via ground and surface water pathways to receptors such as ecosystems and human health.

I note from the DEFRA and Environment Agency, Model Procedures for the Management of Land Contamination [Contamination Report 11] that it deals with 'the risk management process when dealing with land affected by contamination' and that the second phase of Options Appraisal 'comes into play only if risk assessment demonstrates unacceptable risks are associated with this site.

Neither chemical analysis, site history or site observation of flourishing vegetation etc indicate that there is a significant risk of contamination on this site and I therefore look forward to approval of this condition.

Yours sincerely

David Marsh

Director :- David Marsh MA. Dip.Arch.

SOILTEC LABORATORIES LTD

EU Landfill Directive Waste Acceptance Criteria (WAC) Leachable Determinands

CLIENT: Cook Design
SITE: Black Horse PH, Canterbury Rd, Densol
DATE SAMPLED: 11/11/16
SAMPLE REF: Sample received on 11/11/16
SAMPLED BY: Soiltec
TESTED BY: QTS (UKAS/MCERTS 4480)

REPORT No: 07253/22
REPORT DATE: 22/11/16
SPEC: EULD

RESULTS

Sample ID Sample Location Sample Depth (m)	BH1 GL-3.0	Limit Values (mg/kg) at L/S 10 l/kg	Limit	
			snrh (nhl)	Haz
Arsenic as As	<0.2	0.5	2	25
Barium as Ba	<0.1	20	100	300
Cadmium as Cd	<0.02	0.04	0.1 (1)	1 (5)
Chromium as Cr	<0.2	0.5	10	70
Copper as Cu	<0.5	2	50	100
Mercury as Hg	<0.01	0.01	0.02 (0.2)	0.4 (2)
Molybdenum as Mo	<0.1	0.5	10	30
Nickel as Ni	<0.2	0.4	10	40
Lead as Pb	<0.2	0.5	10	50
Antimony as Sb	<0.06	0.06	0.7	5
Selenium as Se	<0.1	0.1	0.5	7
Zinc as Zn	<0.2	4	50	200
Chloride as Cl	<12	800	15000	25000
Fluoride as F	<1	10	150	500
Sulphate as SO ₄ ²⁻	<20	1000	20000	50000
Total Dissolved Solids (TDS)	275	4000	60000	100000
Phenol Index	<0.5	1		
Dissolved Organic Carbon	44	500	800	1000

COMMENTS

L/S = Leachate to Soils ratio

snrh (nhl) = Stable non-reactive hazardous waste in non-hazardous landfill

It must be noted that should the above limits are achieved for inert waste landfill, the additional analytical limits that are carried out on the waste direct must also be achieved.

The figures in parenthesis for cadmium and mercury are permitted if a site specific risk assessment determines that there is no acceptable discharge to groundwater.

Keith Huxley CSci CChem MRSC MEnvSc

Date: 22/11/16

Page 1 of 2

Soiltec House~Langley Park~Sutton Road~Langley~Maidstone~Kent ME17 3NQ

SOILTEC LABORATORIES LTD

EU Landfill Directive Waste Acceptance Criteria (WAC) Total Determinands

CLIENT: Cook Design
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RESULTS

Sample ID			Limit Values	
Sample Location	BH1	Inert	snrh (nhi)	Haz
Sample Depth (m)	GL-3.0			
Total Organic Carbon (%)	0.7	3	5	6
Total BTEX	<0.05	6		
PCB's (7 congeners)	<0.1	1		
Mineral Oils (C ₁₀ -C ₄₀)	<10	500		
Total PAH's	<1.7	100	tbe	tbe
pH	7.5		>6	
Acid Neutralisation Capacity (mol/kg)	<1	tbe	tbe	tbe

COMMENTS

All the analysis was carried out on the soil or waste direct.

All values are mg/kg unless stated.

snrh (nhi) = Stable non-reactive hazardous waste in non-hazardous landfill

tbe = To be evaluated