



Eton Hill Road, Radcliffe

Phase 2 Geo-Environmental Investigation, Risk Assessment and Remediation Strategy

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Love Padel Ltd

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EXECUTIVE SUMMARY

Site Details

Location	Land east of Eton Hill Road, north of Eton Way. Centred at approximate National Grid Reference 379543E, 408401N.
Area	5,700m ² .
Topography	Site is relatively flat.
Current Site Use	Hardstood area with a former workshop building and a small strip of soft landscaping along the eastern site boundary.
Proposed Development	Erection of 5no. covered padel courts, conversion of existing building to clubhouse, provision of accessible WC and shower unit and associated car parking, cycle parking and access works. A small area of soft landscaping is to be retained on the eastern boundary.

Site Setting

Main Historical Features	Onsite: Field boundaries, unlabelled buildings, caravan parking and workshop, possible level raising or levelling (eastern edge of the site). Adjacent Areas: Industrial buildings, electricity sub-station.
Geology / Hydrogeology	Artificial: No BGS recorded artificial. Superficial: Majority of the site: Glaciofluvial Sheet Deposits (Sand and Gravel) Secondary A Aquifer. Extreme eastern edge of site: Alluvium (Clay, silt, sand and gravel) Secondary A Aquifer. Bedrock: Pennine Middle Coal Measures Formation (Mudstone, siltstone and sandstone). Secondary A Aquifer. Coal seam indicated to subcrop on southern site boundary and a fault is noted 9m west of the site boundary.
Landfills / Infilled Ground	Notified landfill located c. 168m north of the site at its closest point. Possible land raising on the eastern flank of the site.

Ground Investigation Work Undertaken

Date of Investigation:	17 th and 20 th of October 2025.
Intrusive Investigation Work Undertaken:	9no. window sample boreholes. 2no. hand excavated foundation pits. 1no. hand excavated trial pits. Contamination and geotechnical testing.

Ground Conditions

Made Ground	Made ground was recorded in all pits and boreholes to depths of 0.60-1.20mbgl in the western part of the site with depths of 2.00-3.00mbgl in the eastern part of the site (WS107-WS110). The made ground comprised horizons of gravel, sand, silt, clay with anthropogenic material including ash, clinker, brick, concrete and potential small amounts of galligu-type material in the shallow strata in WS107 and WS108. Limited peaty or organic inclusions were noted in the made ground in WS107 to WS110.
Superficial	Superficial strata comprised varying horizons of loose to medium dense variably gravelly silty sand. Soft consistency gravelly sandy clayey SILT/CLAY along with slightly peaty layers of SILT/CLAY.
Bedrock	Not encountered. BGS records the bedrock as comprising Pennine Middle Coal Measures
Groundwater	Perched groundwater recorded at depths of between 2.00m and 4.00mbgl.
Obstructions	Obstructions encountered comprised very dense ground comprising bricks along with concrete.

Geotechnical Assessment

Allowable Bearing Pressure	A reliable Allowable Bearing Capacity (ABC) could not be obtained within the shallow made ground and superficial deposits due to the variable nature of the made ground and natural soils and the inclusion of organic (peat) material.
Anticipated Foundation Type	The proposed cover over the Padel Courts consists of a canvas roof, which extends down to mid height of the galvanised steel frame and will be open to elements on the sides. Given the poor shallow ground conditions and the potential for wind loads to cause uplift on the roof structure, a piled foundation anchoring is considered the most suitable foundation solution.
Other Considerations	Temporary supports of excavations may be required. Detailed design should be carried out by structural engineer. Concrete Requirements DS-1 AC-1 across most of the site. DS-1 AC-3z may be required in the vicinity of WS107. Further investigation in this area may be advisable. A design CBR of 4% is recommended.

Contamination Risk Assessment

PL	Contaminant	Risk	Recommendations
1	Asbestos (proposed soft landscaping area only)	Moderate	Remediation required.
	Asbestos (remainder of site)	-	No remediation required.
	PAHs		
	Petroleum hydrocarbons		
	PCBs		
	Heavy metals		
2	Volatile contaminants	Low	No remediation required.
3	Hazardous and Ground Gas	Moderate/low	No remediation required.
4	Groundwater and Surface Water (mobile contaminants)	Low	No remediation required.

Waste Assessment

The results show that all the samples tested are classified as non-hazardous for disposal.

Recommendations and Remediation Strategy

PL	Recommendation
1	Environmental cover system required in the proposed soft landscaping area on the eastern boundary of the site.
2	No remediation required.
3	No remediation required.
4	No remediation required.

Other Considerations
Unexpected Contamination
Grubbing Out of Inground Structures
Re-use of Site Generated Material
Stockpile Management
Disposal
Control of Water
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Asbestos in Soils Management Plan

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Appendix F – Generic Assessment Criteria Values

Appendix G – HazWasteOnline™ Output Sheets

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1. Introduction

1.1. Background

LK Consult Ltd (LKC) has been commissioned to carry out a Phase 2 Geo-Environmental Investigation, Risk Assessment and Remediation Strategy for Eton Hill Road, Radcliffe. The investigation was undertaken in support of a planning application (planning ref: 71775) to develop the site for a leisure end use.

The following work has previously been undertaken:

- Preliminary Risk Assessment Report, undertaken by BEK (ref: BEK-25049-1, dated April 2025).

This investigation has been undertaken to confirm the ground conditions below the site and to allow a contamination and geotechnical assessment to be undertaken.

A summary of the site details is presented in Table 1-1. Figure 1 indicates the site location and boundary plan. Figure 2 indicates the proposed development.

Location	Land east of Eton Hill Road, Radcliffe. National Grid Reference 379545E 408400N.
Area	5,700m ² .
Topography	75 metres Above Ordnance Datum (AOD). Site is relatively flat.
Current Site Use	Hardstood area with a former workshop building and a small strip of soft landscaping along the eastern site boundary.
Proposed Development	Erection of 5no. covered padel courts, conversion of existing building to clubhouse, provision of accessible WC and shower unit and associated car parking, cycle parking and access works. A strip of soft landscaping is to be provided on the eastern boundary.

Table 1-1: Summary of site details.

2. Summary of Preliminary Risk Assessment (PRA)

2.1. Historical and Environmental Information

Pertinent information has been summarised from the PRA in Table 2-1.

Main Historical Features	Onsite: Field boundaries, unlabelled buildings, caravan parking and workshop, possible level raising or levelling (eastern edge of the site). Adjacent Areas: Industrial buildings, electricity sub-station.
Geology / Hydrogeology	Artificial: No BGS recorded artificial. Superficial: Majority of the site: Glaciofluvial Sheet Deposits (Sand and Gravel) Secondary A Aquifer. Extreme eastern edge of site: Alluvium (Clay, silt, sand and gravel) Secondary A Aquifer. Bedrock: Pennine Middle Coal Measures Formation (Mudstone, siltstone and sandstone). Secondary A Aquifer. Coal seam indicated to subcrop on southern site boundary and a fault is noted 9m west of the site boundary.
Radon	Between <1 % and 3 % of the homes are affected by Radon. BEK note that radon protective measures are not required
Hydrology	Hutchison's Goit c. 10m east.
Landfills / Infilled Ground	A landfill (named Land at Bury Road) is located c. 168m north of the site at its closest point, operational from 1978-1991, receiving inert, industrial, commercial and household waste. LKC note that the Environmental Report purchased by BEK as part of their Phase 1 PRA suggests a pond, a colliery and tramway are potentially infilled on-site features. The 1848-50 and 1890-91 historical mapping does not show these features present on site. LKC suspect that this is an error within the Environmental Report and the features are located offsite. Possible land raising on the eastern flank of the site.

Table 2-1: Summary of site details, historical review, environmental settings, and site reconnaissance.

Additionally, LKC have carried out ground investigation work¹ on the Swan Lodge site adjacent east and north, including boreholes off the eastern site boundary (Bury Council ref. CL399). Factual information from this report pertinent to the study site is provided in Appendix A.

2.2. Geotechnical Constraints

Table 2-2 summarises the potential geotechnical constraints.

Coal Mining Risk	Within a coal mining Development High Risk Area. Consultation with the Mining Remediation Authority (formerly Coal Authority) has been carried out by Bury Council planning. The consultation response available to view on the planning website states, " <i>when considering the nature of the proposals the Coal Authority does not consider that a Coal Mining Risk Assessment would be proportionate in this particular instance and do not object to this planning application</i> ".
Made Ground	Unknown depth and constituent of made ground across the site.
Superficial	Unknown strength of soils for foundation design.
Bedrock	Unknown depth to bedrock.
Groundwater	Unknown depth and variability of groundwater.
Plasticity	Plasticity of clay deposits should be confirmed.
Sulphate	Unknown sulphate content of the made ground and natural.
Road / Pavement Design	Unknown CBR values.

Table 2-2: Summary of geotechnical constraints.

2.3. Conceptual Model

The contamination conceptual model in the BEK report has been updated to be in line with LKC current risk assessment methodology and is provided in Table 2-3.

Generic potential pollutant linkages are described along with an assessment of the risk based upon guidance on probabilities and consequences outlined in CIRIA C552².

In order to assess the potential risk for each pollutant linkage, an assessment of the magnitude of the potential consequence (severity) of the risk occurring and the magnitude of the probability (likelihood) of the risk occurring has been considered and classified. This is based on the guidance provided in CIRIA C552 and further details including a risk matrix is provided in Appendix B.

The probability is based upon a review of the available information and an assessment of potential pathways and receptors. In updating the existing conceptual model in the BEK report, LKC consider the following:

- The former pond, railway sidings and colliery identified as potential contamination sources “on site” do not appear to be on site following a review of historical mapping and are greater than 50m away. Therefore, these are not considered a source of potential soil contamination on site.
- There is a small area of retained soft landscaping in the eastern part of the site where there may be a direct contact risk to future site users.
- The existing building will be refurbished and an open sided canopy will be constructed over the padel courts. The building will be used as a club house and have mechanical ventilation and the canopy is effectively open to atmosphere; therefore, the probability of a build-up of hazardous or ground gas may be reduced.
- The site will not have a new in ground potable water supply.

The conceptual model is based on the future use of the site (post development), in line with proposed development scheme. Reasonable worst-case consequence has been assumed at this stage.

Where LKC identified a low to very low risk, targeted or low-density intrusive investigation work, a watching brief (during construction work) or no investigation work will be recommended. This will be dependent on the nature of the site and the proposed development.

Where the risk falls into the moderate/low risk, LKC will undertake an assessment to establish what further work will be required. Where LKC identifies a moderate or higher risk, intrusive investigation work or precautionary remediation is recommended.

Due to the minor consequence associated with the phytotoxic effect to flora (i.e., loss of plants in a landscaping scheme), the overall risk for the majority of sites will be very low to low. Where soils contain significant concentrations of heavy metals, in general there will be other pollutant linkages (i.e., the risk to human health) that will trigger the requirement for remediation (e.g., a clean environmental cover system). As such the risk to flora associated with phytotoxic contaminants will not be considered further.

The risk to new inground concrete foundations buildings associated with elevated sulphate will be considered as part of the geotechnical assessment and will not be included in the contamination risk assessment.

It should be noted that there may be risk from short term exposure from contaminated soil to site workers. The Preliminary Contamination Conceptual Model deals with long term exposure to key receptors. Acute risks can be easily mitigated by good environmental management of the site during site works. Standard health and safety precautions (as per HSE guidance³) should be adopted by all workers involved with site enabling and construction works. Therefore, this receptor is not considered in the contamination conceptual model.

PL	Contaminants of Concern (source)	Pathway	Receptor	Probability	Consequence	Risk
1	Asbestos, heavy metals, sulphates, PAHs, (field boundary, made ground, level raising and demolition rubble). Petroleum hydrocarbons (caravan parking) PCBs and mineral oil (substation).	Proposed soft landscaped area: Dermal contact. Inhalation of soil, fibres, and dust. Windblown dust.	Future site users and workers.	Likely	Medium	Moderate
		Majority of site – hardstood or padel court surfacing; therefore, no viable pathway in these areas.		-		-
2	Naphthalene (made ground), SVOCs / VOCs (caravan parking and workshop).	Inhalation of vapours. Migration via permeable strata and preferential pathways.	Future site users and workers.	Low likelihood	Medium	Moderate / Low
3	Hazardous gas: methane, carbon dioxide (made ground, landfill, potentially infilled ground).	Migration via permeable strata and preferential pathways. Inhalation of gas. Explosion in confined spaces.	Future site users and workers. Buildings.	Low likelihood	Severe	Moderate
	Ground gas: methane, carbon dioxide (Pennine Middle Coal Measures formation).			Unlikely		Moderate / Low
4	Heavy metals petroleum hydrocarbons, PCBs SVOCs / VOCs (caravan parking and workshop, substation, made ground) .	Surface run-off. Migration via permeable strata and preferential pathways. Perched waters migration.	Groundwater Surface water	Low likelihood	Medium	Moderate / Low

Table 2-3: Preliminary Contamination Conceptual Model.

3. Ground Investigation

3.1. Site Investigation Scope

LKC contacted Bury Council Environmental Protection Unit (EPU) and put forward a brief assessment of the BEK Phase 1 PRA in light of potential discrepancies in the source data and the information available to LKC (as detailed in Section 2) and to support a scope of ground investigation works for review.

LKC also presented an initial assessment of the likely gas risk to the building and concluded that a formal gas monitoring survey in monitoring wells was not required, rather the assessment could be based upon internal monitoring and a review of ground conditions and adjacent monitoring results.

The EPU responded that the proposed scope of ground investigation works appeared to be “reasonable” with a note to consider the proposed landscaping buffer at the eastern edge of the site and to provide a “proportionate assessment” in relation to gas risk.

This investigation was generally in line with the scope presented to the EPU – in total 10no. sampling locations and 2no. foundation pits were completed.

3.2. Site Investigation Design and Methodology

The investigation was carried out on 17th and 20th of October 2025 and comprised the following:

- 9no. window sample boreholes drilled to 0.40-5.45 metres below ground level (mbgl) (ref. WS101 to WS105 and WS107 to WS110).
- 1no. Hand pit (using posthole digger / spade) excavated to 0.50mbgl (ref. HD101).
- 2no. foundation pits to the existing building (using hand auger / spade) excavated to 0.65-1.25mbgl (ref. FP101 and FP102).
- Lightweight Deflectometer tests within window sample boreholes locations to provide equivalent CBR values.

All site investigation locations are shown in Figure 3. Profile logs and LWD results are provided in Appendix C.

The locations were chosen to allow adequate assessment of ground conditions across the site with certain features targeted as . Table 3-1 details the rationale for these locations.

Site Investigation Locations	Rationale
WS102, WS105, WS109	Former field boundary.
WS107	Adjacent to substation on site adjacent north.
HD101	Area of current / proposed soft landscaping on eastern edge of the site.
WS105, FP101, FP102	Existing building / former workshop.
WS101, WS102	Former buildings.

Table 3-1: Rationale for targeted sampling locations.

WS102 refused on concrete at 0.50mbgl, this was repositioned to WS102A which refused on concrete at the same depth.

WS104 refused on concrete at 0.50mbgl, this was repositioned to WS104A which refused on concrete at 0.40mbgl.

FP101 refused on brick at 0.65mbgl.

HD101 refused on concrete / hard digging layer at 0.50mbgl.

3.3. Sampling Protocol

3.3.1. Soil Sampling (Contamination)

Standard sampling protocol and preservation of samples was undertaken as described in the EA guidance on site investigation⁴.

Soil was collected for onsite testing for total volatile organic compounds (TVOCs) using a photoionisation detector (PID) fitted with a 10.6eV lamp and moisture trap. A plastic zip bag was half filled with soil allowing a suitably sized headspace. The bag was sealed and stored for at least 20 minutes before being tested. Results of the PID readings are presented on the profile logs (Appendix C). The onsite monitoring was carried out in line CIRIA C665⁵ to aid in screening samples for volatile analysis.

Soil samples of approximately 500g were recovered in amber jars and plastic tubs. All the samples were sent to DETS laboratory for chemical testing.

Many of the contamination tests are UKAS or MCERTS accredited and further details are given in the Certificate of Analysis presented in Appendix D. Table 3-2 shows the soil testing undertaken.

Testing	No. Samples	Justification
Metals / metalloids, pH, water soluble sulphate, speciated PAHs, SOM and asbestos screen.	6	A basic suite with a broad selection of contaminants where no significant evidence of contamination was identified (except for occasional ash and coal).
Metals / metalloids, pH, water soluble sulphate, cyanide suite, phenol, TPHCWG, BTEX, MTBE, speciated PAHs, SOM and asbestos screen.	3	A more detailed suite due to proximity to existing building and ash in made ground.
Metals / metalloids, pH, water soluble sulphate, cyanide suite, phenol, TPHCWG, BTEX, MTBE, speciated PAHs, VOCs, SVOCs, SOM and asbestos screen.	1	A more detailed suite to prove absence of organic solvents, no odours noted.
Metals / metalloids, pH, sulphate, cyanide suite, TPHCWG, BTEX, MTBE, speciated PAHs, phenol, VOCs, SVOCs, PCBs and asbestos screen.	1	A more detailed suite (inc. PCBs) adjacent to the electrical substation.
Waste Acceptance Criteria (WAC)	2	Samples of representative material which may be subject to offsite disposal.

Table 3-2: Summary of Soil Testing.

Notes:

- If asbestos present during screen identification and quantification will be undertaken.
- Metal/metalloids=arsenic, cadmium, chromium, (total and hexavalent), copper, lead, mercury, nickel, selenium, vanadium, zinc, and boron; TPHCWG=carbon banded and aromatic/aliphatic split petroleum hydrocarbons; PAH=polycyclic aromatic hydrocarbons, BTEX=benzene, toluene, ethylbenzene, and xylenes; MTBE=Methyl tert-butyl ether, VOC=Volatile organic Compounds, SVOC= Semi Volatile Organic Compounds, PCB=polychlorinated biphenyls, SOM=Soil Organic Matter.
- WAC = Waste Acceptance Criteria.

3.3.2. Soil Sampling (Geotechnical)

Soil samples taken during the investigation were collected in tubs and bulk bags and sent to Murray Rix Laboratories / DETS for geotechnical testing.

Further details are given in the laboratory report presented in Appendices D and E. Table 3-3 shows the geotechnical testing undertaken.

Testing	No. Samples
Atterberg Limits (plasticity testing)	2
Particle Size Distribution (PSD)	2
BRE Suite Short Suite	2

Table 3-3: Summary of Geotechnical Testing Undertaken.

Groundwater sampling / leaching testing was not carried out as part of this investigation.

A moderate to low risk was identified in the preliminary contamination conceptual model for controlled waters (Pollutant Linkage 4) and further action was only recommended if significant soil contamination was identified on site. Based on the ground conditions encountered, LKC did not consider testing to be required. This is discussed further in Section 6.

3.4. In-situ Testing

3.4.1. Geotechnical Testing

In-situ geotechnical tests were performed in the boreholes to further characterise the sub-soil conditions. The following tests were undertaken:

- Standard Penetration Tests (SPTs) were performed in the window sample boreholes at approximately 1m intervals.
- Lightweight Deflectometer Tests were undertaken within window sample boreholes to provide equivalent CBR values.

The results are provided within Appendix C.

3.5. Gas and Vapour Monitoring

Internal monitoring of the retained building using a GA5000 infra-red gas analyser and a PID was carried out on 17th October 2025.

Consideration of the findings is provided in Section 6.

4. Ground Conditions

4.1. Geology

The ground conditions beneath the site are summarised below. Logs are provided in Appendix C.

4.1.1. Made Ground

Made ground was recorded in all pits and boreholes to depths of 0.60-1.20mbgl in the western part of the site with depths of 2.00-3.00mbgl in the eastern part of the site (WS107-WS110). The made ground comprised horizons of gravel, sand, silt, clay with anthropogenic material including ash, clinker, brick, concrete and potential small amounts of galligu-type material in the shallow strata in WS107 and WS108.

Limited peaty or organic inclusions were noted in the made ground in WS107 to WS110.

4.1.2. Natural Strata

Superficial strata comprised horizons of loose to medium dense variably gravelly silty sand. Soft consistency gravelly sandy clayey SILT/CLAY was also noted within WS101, WS103 and WS107 to WS110. Peaty SILT or CLAY with a slight natural organic odour was noted in WS103, WS109 and WS110.

No bedrock was encountered during the investigation.

4.1.3. Contamination

There was no visual / olfactory evidence of hydrocarbons or volatile contaminants in any locations. The PID recorded a maximum of 0.7ppm TVOC in WS107 in a sample from 0.7-1.00mbgl.

4.1.4. Obstructions

The following obstructions were encountered:

- WS102/WS102A: Concrete slab at 0.50mbgl.
- WS104/WS104A: Concrete slab at 0.50mbgl and 0.40mbgl.
- FP101: Brick at 0.65mbgl.
- HD101: Concrete or hard digging layer at 0.50mbgl.

4.2. Groundwater

Groundwater strikes were recorded during the investigation in trial pits and boreholes. This data is provided in the profile logs (Appendix C). Perched water and groundwater strikes were recorded at depths of between 2.0mbgl and 4.0mbgl during drilling. Water was not encountered in the hand dug pits.

5. Geotechnical Assessment

5.1. Proposed Development

It is understood that the proposed development will comprise 5no. covered padel courts and conversion of existing building to a clubhouse and associated car parking, cycle parking and access works. Details of the proposed loadings are not known.

The finished ground levels have not been provided, and it is therefore anticipated that they will not vary significantly from current levels. However, should the development proposals or finished levels be altered then the comments/recommendations in this section may require revising.

The depths of any underground engineering works (sewers etc.) are unknown and therefore have not been considered in the following assessment. Any such works should be designed so as not to influence, or compromise, proposed or existing foundations or ground stability.

Given the nature of the proposed development the structure meets the criteria of Geotechnical Category 2 of Eurocode 7⁶.

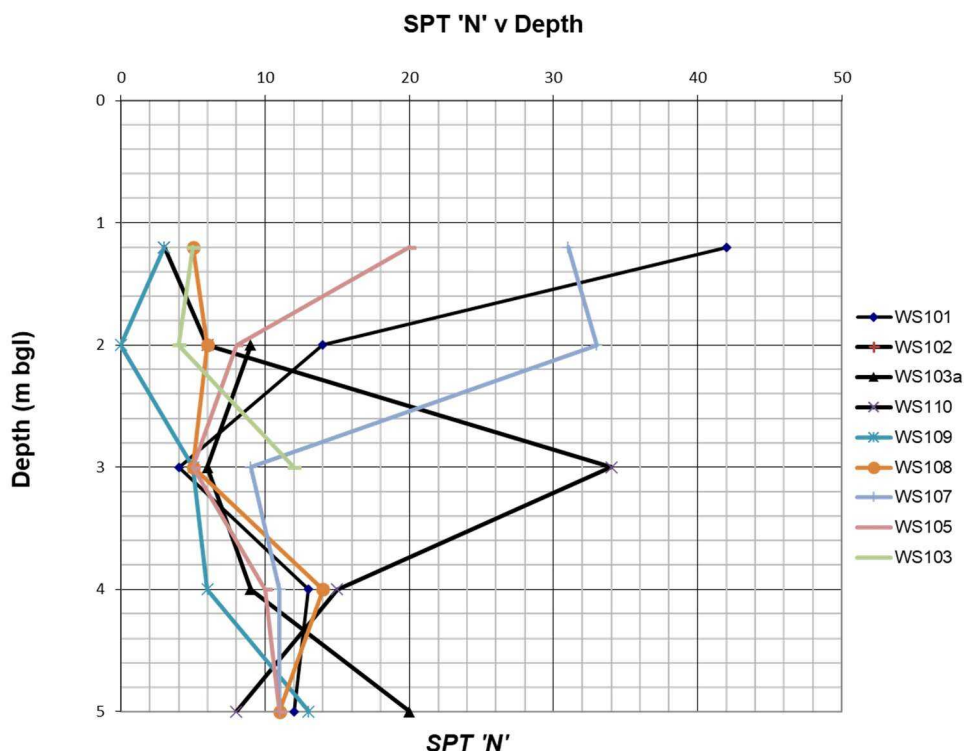
5.2. Summary of Ground Conditions

Ground conditions identified at the site are detailed in Section 4.1, and typically comprises made ground up to 1.80mbgl including limited organic peaty material, ash, brick and potentially galligu material, over natural granular and cohesive superficial deposits of sand, silt, clay and with some inclusions of organic peaty material, to the completion depths investigated (maximum 5.45mbgl).

5.3. Foundation Conditions and Bearing Capacity

5.3.1. General

The strata has been assessed using in-situ testing by SPT to obtain the density/strength of the material. The results of the testing have been plotted against depth and is shown in Graph 5-1.



Graph 5-1: Summary of N' value Vs. Depth from In-Situ SPT Testing.

Graph 5-1 demonstrates that the strength of the made ground deposits is highly variable (with the exception of WS110), before returning fairly uniform SPT N values of between N6 and N14, average N10.

5.3.2. Plasticity

Samples of cohesive deposits were subjected to Atterberg Limits (plasticity) and Moisture Content testing. Results are provided in Appendix E.

The cohesive deposits are classified as medium plasticity.

The modified plasticity index as detailed in Chapter 4.2-D5 of the NHBC standards (modified plasticity index = plasticity index x % less than 425µm sieve / 100%) characterises the clay as having a low and medium volume change potential.

5.3.3. Foundations Options

The made ground and variable natural strata which ranges between sand, silt and clay, with some organic (peaty) content, are not suitable for a founding material due to the inherent variability of the material. It is understood that the proposed development will include an open sided canopy which will provide cover over the padel courts. The design of the canopy comprises a galvanised steel frame supporting the covering which will comprise a semi-translucent white canvas.

The shelter covering extends from the roof to the midway point of the columns as shown on Plate 5-1 (taken from below the Proposed Elevations Sheet 1 of 2, Drawing No. 240956-CWA-SS-DR-A-0351). The potential for wind loading to have an effect upon the structure must be considered.



Plate 5-2: Extract showing.

It is considered that the variable nature of the shallow deposits will give rise to differential settlements. Foundation options are therefore:

- Ground Improvement.
- Deeper pile foundations.

These options are discussed in the following Sections.

5.3.4. Ground Improvement

The use of ground improvement techniques such as vibro granular columns will allow shallow foundations to be utilised with the made ground. The vibro granular columns should provide an Allowable Bearing Capacity of around 150kN/m² but will also remove variability within the made ground and shallow natural deposits.

It should be noted that vibro stone columns are not suitable in clays with a Plasticity Index greater than 40% or with an undrained shear strength of less than 30kPa. The pockets of organic clay present within the soils at this site may prevent the use of this technique.

Specialist advice should be sought from a suitably experienced contractor with regard to whether the ground conditions are suitable, the allowable bearing capacity that can be achieved and settlements.

5.3.5. Piled Foundations

Consideration should be given to the use of piled foundations to transfer loadings through any deep made ground / poor ground conditions and bear within more competent strata utilising a combination of friction and end bearing piles. Pile foundations will also anchor the structure into the ground giving mitigation to potential harmful wind loadings causing uplift forces upon the canopy.

Use of piles will reduce the amount of spoil generated from foundation trenches requiring offsite disposal, along with the amount of concrete required for the development.

Up to 3m of made ground has been recorded within the exploratory holes and consideration must be given to the potential for negative skin friction to influence the piles.

Pile design should be undertaken by a specialist contractor to allow them to reduce the Factor of Safety based on their extensive pile testing data.

Should a pile foundation solution be the preferred option, then warranty providers such as the Premier or LABC, may require further information on ground conditions to a minimum of 5m below the base of the pile.

5.3.6. Foundation Recommendations

Ground conditions are not suitable for supporting pad foundations without some form of ground improvement and whilst a ground improvement option such as vibro granular columns may be suitable, the presence of organic pockets of peat along with low strength clay and silts may not offer the required lateral support, therefore it is considered that a piling solution supporting the galvanised steel frame and offering an anchor against potential wind uplift forces will provide the most reliable and cost-effective option for the site.

5.4. Pavement Construction

An assessment of the likely California Bearing Ratio (CBR) for the made ground has been assessed by in-situ testing using a Lightweight Deflectometer (LWD).

LWD tests were undertaken at ground level, 0.30mbgl and 0.60mbgl in selected locations. Within WS102 a LWD test was undertaken at 0.50m upon encountering a refusal within the exploratory hole inspection pit. The LWD measures the dynamic deformation modulus (E_{vd}) of soil which can be converted into an equivalent CBR value.

Tests undertaken at ground level were typically undertaken on compacted granular hardstanding and returned CBR values ranging between 7% and 26%, averaging 17%. One test was undertaken on the tarmac hardstanding and returned a CBR of 81%.

Tests undertaken at 0.30m were typically undertaken within silt, sand or gravel, and returned CBRs ranging between 4% and 15%.

Tests undertaken at 0.60m were in either sand, silt or clay, returning values of between 4% and 15%.

It is recommended that design values of 15% are applied at ground level, and 4% at 0.30m and 0.60mbgl.

5.5. Concrete Durability

Based upon the results of the chemical analyses (Appendix D), subsurface concrete can be designed in accordance with Design Sulphate Class DS-1, Aggressive Chemical Environment for Concrete Classification (ACEC) AC-1 in accordance with the recommendations provided in BRE Special Digest 1 (2005).

One sample obtained from WS107 at a depth of 0.00 – 0.50 and which contained abundant ash and clinker had a low pH value of 5.4 which would put the ACEC class to AC-3z. It is recommended that

further testing in this area is undertaken which will either confirm the higher ACEC class, or provide enough samples to assess the respective mean of the lowest 20% of the pH results.

5.6. Excavations

Site observations indicated that excavations should be feasible in the near surface with normal plant, however obstructions were identified in the near surface including concrete at the location of WS102. It is anticipated that any obstructions will be grubbed out during the reduced level dig for the sub structure works.

Groundwater seepage was recorded in several of the sampling locations at depths of between 2.00m and 4.00mbgl, and is considered representative of isolated perched water in the made ground and shallow superficial strata.

Some of the exploratory holes were observed to be unstable during the excavation/drilling and the made ground and natural deposits included granular strata containing perched groundwater. The short- and long-term stability of near vertically sided excavations can therefore not be guaranteed and random and sudden instability within these soils should be anticipated.

Due to the variability of the made ground all excavations should be supported or battered back in accordance with guidance contained in CIRIA R97⁷.

5.7. Construction Activity and Inspection

The following activities and inspections should be incorporated into the site works:

- Due to the variability of the soils at the site it is recommended that sufficient allowance is made for the inspection of formation and sub formations to foundations and pavement construction.
- Excavations where access is required should be subject to a risk assessment from a competent person and where appropriate mitigation measures such as benching back the sides or use of support systems in accordance with CIRIA R97⁸ utilised.
- De-watering may be required, especially following periods of heavy rainfall. Removal of surface water and water within trenches should be possible with conventional sump pumping. Discharge of any water should be agreed with the relevant regulatory body and be undertaken under a trade effluent discharge, where required. Measures to remove silt and suspended solids may be required, and consideration should be given to provision of space for settling tanks or an attenuation pond.
- Where access to confined spaces is required appropriate mitigation measures should be addressed within the Construction Stage Health and Safety Plan.
- The presence of potential contamination and mitigation measures should be addressed as part of the Construction Stage Health and Safety Plan and should include measures to design out the risks, reduce their impact and finally the use of Personnel Protective Equipment (PPE).

6. Generic Risk Assessment

6.1. Introduction

Current good practice requires that the findings from a site investigation should be evaluated on a site-specific basis, using a risk-based approach. Risk assessment involves identification and evaluation of the hazards presented by the concentrations of contaminants measured followed by an evaluation of the risks which are associated with these hazards (LCRM⁹). Information gathered from the risk assessment has been collated in the revised contamination conceptual model in Section 6.5.

6.2. Soil Risk Assessment

6.2.1. Methodology

With regards to the soil risk assessment LKC will use the following hierarchy:

- Category 4 Screening Levels (C4SLs) ^{10, 11}.
- LQM Suitable 4 Use Levels (S4ULs) ^{12, 13, 14, 15}.
- ATRISK Soil Screening Values (SSVs) and CL:AIRE Generic Assessment Criteria (GACs) ¹⁶

The proposed development is for a leisure facility with a small area of soft landscaping; therefore the assessment criteria for commercial land use has been chosen given the key receptor who will be present on site most frequently will be site workers.

All criteria have been generated using the CLEA V1.06 model¹⁷ based either on 1%, 2.5% and 6% Soil Organic matter (SOM). Results will be compared to the nearest appropriate SOM.

The small areas of soft landscaping is remote from the club house and padel court areas and it is considered unlikely that site workers or indeed any site users / visitors will come into close contact with this area.

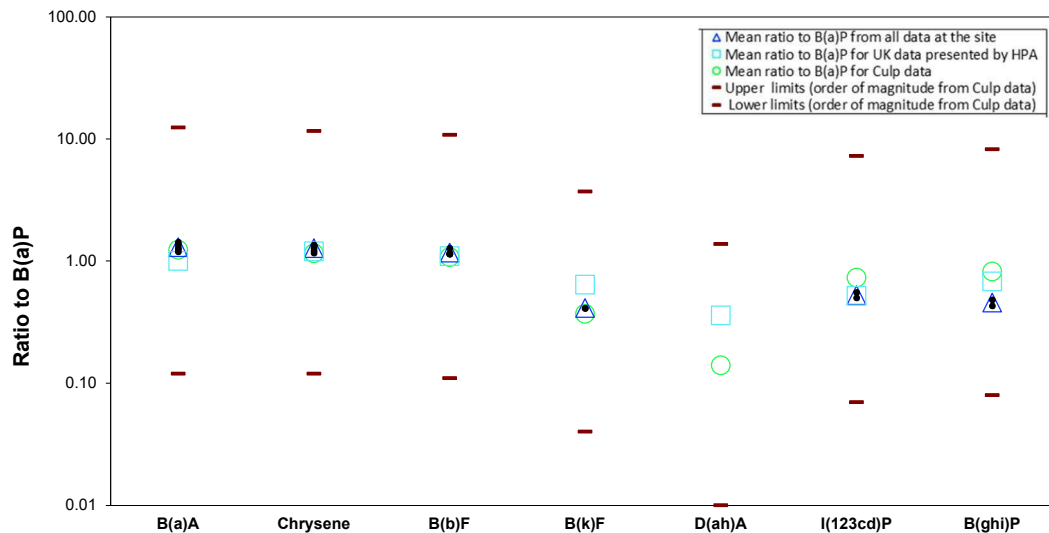
A summary of the generic assessment criteria used in this assessment is provided in Appendix F.

B(a)P as Surrogate Marker

LKC consider the main risk drivers for PAHs are benzo(a)pyrene (B(a)P) and naphthalene. This is due to B(a)P possibly being a carcinogen and most toxic of the PAHs^{18,19} and naphthalene the most volatile and soluble²⁰. The C4SLs indicate B(a)P as a surrogate marker for carcinogenic PAHs, if it falls within appropriate limits, since the risk from other non-carcinogenic PAHs are considered negligible²¹. For B(a)P to be used as a surrogate marker it should follow the profile described by the HPA (2008)²² and CL:AIRE (2013). Naphthalene will be treated separately using the LQM S4ULs.

LKC undertook an assessment of the PAH data for the site with regards to using B(a)P as a surrogate marker for carcinogenic PAHs as per HPA and CL:AIRE guidelines. The primary toxicological study related to Culp *et al.*²³, which was based on coal tar mixtures (>80,000mg/kg of total PAHs) fed in food to mice over a two-year carcinogenicity study.

Graph 6-1 summarises the study site data with respect to how the ratios of carcinogenic PAHs relate to B(a)P, within the confidence limits provided in the HPA document.



Graph 6-1: The ratio of PAH to B(a)P in soil for all available data at the site based on 5 samples (where values were >LOD to allow the calculation of a ratio).

Notes:

B(a)P=Benzo(a)pyrene; D(ah)A=Dibenzo(ah)anthracene; B(a)A=Benzo(a)anthracene; B(b)F=Benzo(b)fluoranthene; B(k)F=Benzo(k)fluoranthene; I(123cd)P=Indeno(123cd)pyrene; B(ghi)P=Benzo(ghi)perylene.

All the data points that could be used to calculate ratios fall inside the upper or lower limits.

Based on this distribution of data LKC considers B(a)P can be used as a surrogate marker for carcinogenic PAHs and the C4SL criteria is suitable for this dataset.

Where generic assessment criteria have not been derived (mainly due to insufficient toxicological data), the results were compared against contaminants of assumed likely similar toxicity (with some conservatism) as shown below:

6.2.2. Soil Results Comparison against Assessment Criteria

Results have been compared to the relevant assessment criteria and no elevated contaminants were identified. Asbestos was identified, as detailed in Table 6-1.

Sample Location	ID	Type	Total Asbestos (%)
FP102 (0.3-0.8m)	Amosite	Bundles	<0.001
WS102 (0.0-0.5m)	Amosite	Bundles	<0.001
WS107 (0.0-0.5m)	Amosite	Bundles	<0.001
WS108 (0.0-0.5m)	Amosite	Bundles	<0.001
HD101 (0.0-0.5m)	Chrysotile	Bundles	<0.001

Table 6-1: Details of Asbestos Identified.

6.2.3. Hazard Quotient

To examine the potential additivity of toxicological effects between the petroleum hydrocarbon fractions, a Hazard Index (HI) as described by the Environment Agency²⁴ technical report should be calculated for the samples. As no significant concentrations of petroleum hydrocarbons were identified in any of the soil samples this has not been undertaken.

6.2.4. Direct Contact Risk – Pollutant Linkage 1

No elevated concentrations of heavy metals, PAHs, petroleum hydrocarbons, BTEX, MTBE. PCBs, VOCs or SVOCs were identified; therefore, the probability of these contaminants posing a risk to site users is considered unlikely. With a medium consequence, the risk is considered to be low, and no remediation is recommended.

Asbestos

Asbestos (amosite) was identified in FP102 (0.3-0.8m), WS102 (0.0-0.5m), WS107 (0.0-0.5m), WS108 (0.0-0.5m). Chrysotile was identified in HD101 (0.0-0.5m).

The source of the amosite asbestos across the main part of the site is likely to be from demolished buildings or demolition materials brought to site for level raising. It is likely that the asbestos is present across the site given the similar ground conditions.

Chrysotile asbestos encountered in the extreme eastern part of the site is within the made ground which may have placed for level raising or extending the level site area for the former caravan parking area.

Asbestos may affect site users in soft landscaping and garden areas in localised areas of the site, via the inhalation of fibres. The probability is considered to be likely. With a medium consequence, the risk as assumed to be moderate, and localised remediation is recommended. No remediation is required over the majority of the site which will be covered by hardstanding or padel courts.

Additional consideration should also be given to the risk to workers and offsite receptors during groundworks and construction. This is discussed further in Section 9.2.

6.2.5. Risk from Inhalation of Vapours – Pollutant Linkage 2

No visual / olfactory evidence of volatile contaminants was identified during the investigation. The PID did not detect any significant TVOCs in the soils and confirmatory soil analysis did not detect any VOCs / SVOCs above detection limits/ assessment criteria.

An internal sweep of the building identified a maximum PID reading of 0.1ppm.

LKC therefore consider the probability of volatile contaminants affecting site users as unlikely. The consequence is expected to be medium, giving a low risk and no remediation is required.

6.3. Gas Risk Assessment (Pollutant Linkage 3)

LKC carried out internal monitoring of the building using a GA5000 gas analyser for methane and carbon dioxide and a PID for organic vapours. The monitoring was carried out on 17th October 2025. Local records²⁵ indicate this was within a 4mb fall in atmospheric pressure over the 24 hours.

The corners of the building were monitored and smaller areas with lower anticipated ventilation and air changes such as cupboards were monitored. No positive detections of methane and carbon dioxide were noted (limit of detection 0.1% v/v), and the PID showed a maximum reading of 0.1ppm. The building had been closed for a number of days prior to LKC monitoring. This suggests that gas is not entering the building or is able to build up to significant concentrations.

A review of ground conditions in the vicinity of the current building identified made ground depths of 1.20m generally comprising demolition materials with layers of ash and clinker and reworked clay (WS105). Generally, ash is not particularly degradable and will not generate significant concentrations²⁶. Given the made ground depth, soil type and absence of putrescible materials LKC consider the made ground is not a significant source of gas to the existing building.

Across the site the shallow natural clay included “peaty” materials and in parts a slight natural organic odour. NHBC guidance²⁷ indicates that “*natural alluvium or mud flat deposits, including geological peat, are very unlikely to be credible sources of ground gas on most sites*”. On this basis the peaty inclusion recorded in the profile logs are not considered a significant source of gas.

Factual information from previous LKC ground investigation adjacent east is provided in Appendix A. This indicates methane levels <0.1% v/v and carbon dioxide levels up to 2.7% v/v. LKC consider this may be typical of background shallow natural soils and indicates that any hazardous gas from the landfill c. 168m north east is not migrating into the study site.

The existing building will be converted to a clubhouse and will include changing rooms which will include the installation of mechanical ventilation. This will provide a number of air changes per hour in the building and reduce the risk of significant concentrations of gas being able to accumulate in the building.

Based upon the above lines of evidence, LKC do not consider there is a risk of ground gas or hazardous gas accumulating at significant concentrations within the existing building. Therefore, the probability of gas affecting site users and buildings is unlikely. Assuming a severe consequence, this gives a moderate/low risk. Given the above lines of evidence LKC consider a low risk is appropriate and remedial measures are not required.

6.4. Controlled Water Assessment (Pollutant Linkage 4)

The preliminary contamination conceptual model identified a low risk with respect to controlled waters as no significant source of mobile contamination was anticipated. Furthermore, no surface or groundwater abstractions have been identified within influencing distance and the site is not located in a Source Protection Zone.

No evidence of significant mobile contamination was identified on the site. Any contamination within ash and clinker materials is not anticipated to be mobile due to the residual crystalline nature of the matrix. Eluate analysis within the WAC testing on 2no. samples also shows very low levels of heavy metals.

This confirms an unlikely probability of onsite contamination affecting controlled waters. With a medium consequence the risk is anticipated to be low, and no remediation is required.

6.5. Revised Contamination Conceptual Model

The preliminary contamination conceptual model (Table 2-3) has been revised following the risk assessments undertaken in the Sections above. The revised contamination conceptual model follows the same methodology and guidance used in the preliminary contamination conceptual model. The risk matrix is provided in Appendix B.

The revised contamination conceptual model is presented in Table 6-2.

Where a very low risk or low risk is identified no specific remediation is required.

Where there is a moderate / low risk is identified, some form of remediation may be required depending on the pollutant linkage, the type and concentration of contaminants present and the proposed development.

Where LKC identifies a moderate or higher risk, remediation or further investigation work is recommended.

PL	Contaminants of Concern	Pathway	Receptor	Probability	Consequence	Risk	Recommendations
1	Asbestos, heavy metals, sulphates, PAHs, petroleum hydrocarbons, PCBs and mineral oil.	Proposed soft landscaped area: Dermal contact. Inhalation of soil, fibres, and dust. Windblown dust.	Future site users.	Likely (asbestos only)	Medium	Moderate	Remediation required in proposed soft landscaping area.
		Majority of site – hardwood or gravel court surfacing; therefore, no viable pathway in these areas.		-		-	No remediation required.
2	Naphthalene (made ground), SVOCs / VOCs (caravan parking and workshop).	Inhalation of vapours. Migration via permeable strata and preferential pathways.	Future site users.	Unlikely	Medium	Low	No remediation required.
3	Hazardous gas: methane, carbon dioxide (made ground, landfill, potentially infilled ground).	Migration via permeable strata and preferential pathways.	Future site users. Buildings.	Unlikely	Severe	Moderate / Low	No remediation required.
	Ground gas: methane, carbon dioxide (Pennine Middle Coal Measures formation).	Inhalation of gas. Explosion in confined spaces.					
4	Heavy metals petroleum hydrocarbons, PCBs SVOCs / VOCs (caravan parking and workshop, substation, made ground) .	Surface run-off. Migration via permeable strata and preferential pathways. Perched waters migration.	Groundwater Surface water	Unlikely	Medium	Low	No remediation required.

Table 6-2: Revised Contamination Conceptual Model.

7. Waste Disposal Assessment

7.1. HazWaste Assessment

The soil contamination results as presented in Appendix D have been used to help determine the waste classification of material for off-site disposal.

As an initial screen the soil results were inputted into HazWasteOnline™. This is a web-based facility that allows an assessment waste as either hazardous or non-hazardous waste based on relevant guidance and legislation.

HazWasteOnline™. has been designed to cover, amongst other waste types, the List of Waste (LoW) code number 17 "Construction and Demolition Waste (Including Excavated Soil from Contaminated Sites)".

Where less than limits of detection (LOD) were recorded, the value of the LOD was inputted.

Where applicable, contaminants were selected based on observations during sampling, site history, ground conditions and likely species present in soils (e.g., metal oxides relating to an ash-based source).

The results show that all the samples tested are classified as non-hazardous for disposal. The HazWasteOnline™ output sheets are provided in Appendix G.

7.2. Waste Acceptance Criteria (WAC) Testing

Waste Acceptance Criteria (WAC) testing was also undertaken on 2no. samples representative of material which may be earmarked for off-site disposal. WAC test results are included in Appendix D.

The WAC limits cannot be used to assess whether a waste is non-hazardous or hazardous. It is recommended that waste assessment and WAC data is forwarded to a licensed waste disposal operator.

8. Conclusions

8.1. Ground Conditions

Ground conditions are summarised in Table 8-1 below.

Made Ground	Made ground was recorded in all pits and boreholes to depths of 0.60-1.20mbgl in the western part of the site with depths of 2.00-3.00mbgl in the eastern part of the site (WS107-WS110). The made ground comprised horizons of gravel, sand, silt, clay with anthropogenic material including ash, clinker, brick, concrete and potential small amounts of galligu-type material in the shallow strata in WS107 and WS108. Limited peaty or organic inclusions were noted in the made ground in WS107 to WS110.
Superficial	Superficial strata comprised varying horizons of loose to medium dense variably gravelly silty sand. Soft consistency gravelly sandy clayey SILT/CLAY along with slightly peaty layers of SILT/CLAY.
Bedrock	Not encountered. BGS records the bedrock as comprising Pennine Middle Coal Measures
Groundwater	Perched groundwater recorded at depths of between 2.00m and 3.00mbgl.
Obstructions	Obstructions encountered comprised very dense ground comprising bricks along with concrete.

Table 8-1: Summary of Ground Conditions.

8.2. Geotechnical

Geotechnical observations and conclusions are contained in Table 8-2 below, more detailed discussions are contained within Section 5.

Exposed Existing Foundations	TF101 and FP102: External pits, recorded 0.05m of tarmacadam or 0.30m of gravelly sand over very gravelly sand including ash, clinker and brick fragments. FP101 included whole bricks and the inspection pit was terminated at 0.65mbgl due to refusing on brick. FP102 terminated at 1.25mbgl. The depth to footings was not proven in either trial pit.
Allowable Bearing Pressure	A reliable Allowable Bearing Capacity (ABC) could not be obtained within the shallow made ground and superficial deposits due to the variable nature of the made ground and natural soils and the inclusion of organic (peaty) material.
Anticipated Foundation Type	The proposed cover over the Padel Courts consists of a canvas roof, which extends down to mid height of the galvanised steel frame and will be open to elements on the sides. Given the poor shallow ground conditions and the potential for wind loads to cause uplift on the roof structure, a piled foundation anchoring is considered the most suitable foundation solution.
Shallow Groundwater	Shallow groundwater identified on the site at depths of between 2 - 4mbgl and is considered representative of perched water.
Concrete Requirements	Based on BRE Digest 2005 ²⁸ – DS-1 AC-1 across most of the site. DS-1 AC-3z may be required in the vicinity of WS107. Further investigation in this area may be advisable.
Services	Services – consideration to the presence of services running through the site. Services may need to be re-routed.
Temporary support of excavation	Exploratory holes recorded made ground and natural deposits included granular strata containing perched groundwater. Due to the variability of the made ground all excavations should be supported or battered back in accordance with suitable guidance, such as CIRIA R97.

Road / Pavement Design	A design CBR value of 4% should be adopted for the made ground at depths of 0.30m and 0.60m.
Coal Mining	The Mining Remediation Authority have confirmed that a Coal Mining Risk Assessment is not required for this site.

Table 8-2: Geotechnical Conclusions Table.

8.3. Contamination Assessment

A revised contamination conceptual model has been produced by LKC which is summarised in Table 8-3 below (more detailed model provided in Section 6).

PL	Contaminant	Risk	Recommendations
1	Asbestos (proposed soft landscaping area only)	Moderate	Remediation required.
	Asbestos (remainder of site)	-	No remediation required.
	PAHs		
	Petroleum hydrocarbons		
	PCBs		
	Heavy metals		
2	Volatile contaminants	Low	No remediation required.
3	Hazardous and Ground Gas	Moderate/low	No remediation required.
4	Groundwater and Surface Water (mobile contaminants)	Low	No remediation required.

Table 8-3: Summary Risk Table.

PL=Pollutant Linkage, see Table 6-2 for details.

8.4. Waste Assessment

The results show that all the samples tested are classified as non-hazardous for disposal.

Waste Acceptance Criteria (WAC) testing was also undertaken on 2no. samples. The WAC limits cannot be used to assess whether a waste is non-hazardous or hazardous. It is recommended that waste assessment and WAC data is forwarded to a licensed waste disposal operator.

9. Recommendations and Remediation Strategy

The recommendations/requirements provided below are considered appropriate for the site based on the site investigation work undertaken. LKC should stress that no remediation, enabling works or designing works should take place until Regulatory approval has been obtained.

A summary of remediation requirements is included in Table 9-1.

PL	Recommendation
1	Environmental cover system required in the proposed soft landscaping area on the eastern boundary of the site.
2	No remediation required.
3	No remediation required.
4	No remediation required.

Table 9-1: Remediation Summary.

Based on the findings of the site investigation and risk assessment, no remediation is required. A watching brief for any unexpected contamination should be maintained during groundworks (refer to Section 9.2.1), and any imported soils brought to site for use in gardens / soft landscaping should be validated to ensure they are suitable for use (refer to Section 9.3).

9.1. Remediation and Validation Recommendations

9.1.1. Environmental Cover System (PL1)

In the soft landscaping areas, an environmental cover system will be required in order to be protective of human health and shall be constructed with recourse to the requirements of the proposed landscaping plan (Appendix H).

The landscaping plan indicates the soft landscaping will be installed on a 600mm high bund. This can be placed upon existing ground levels with the provision of a proprietary separation geotextile layer at the base of the subsoil layer.

The landscaping plan indicates a minimum of 150mm topsoil for amenity grass and 300mm for shrub areas. The environmental cover system should be constructed as shown in Plate 9-1.

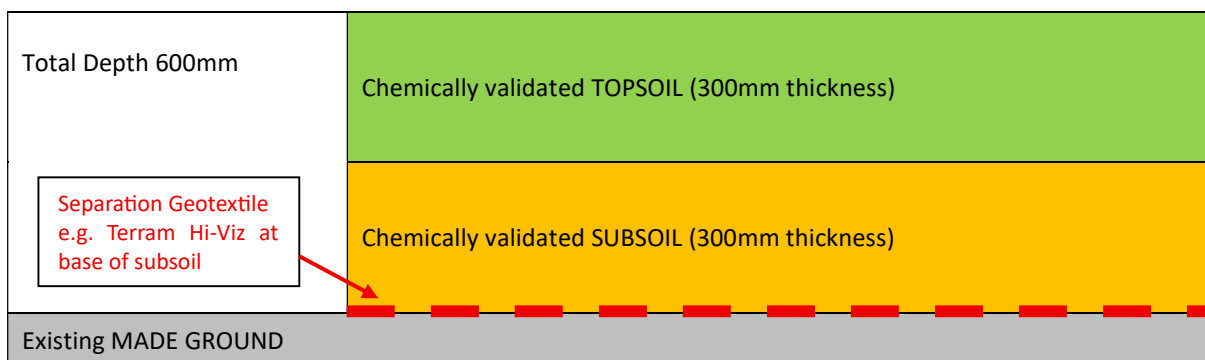


Plate 9-1: Typical Environmental Cover System Construction.

Notes:

Hardstood Areas – No Remediation Required.

Validation of environmental cover soils will be required and should include measuring depth using a staff and providing photographic evidence. Photographic evidence of the granular physical break or geotextile layer should also be collected.

Chemical validation of imported soils is required; details are included in Section 9.3.

9.2. Other Considerations

9.2.1. Unexpected Contamination

The relevant contractors should be briefed that during development works at the site should any unusual ground conditions and / or visual or olfactory evidence of contamination (including asbestos containing material) be encountered at the site, LKC and the Local Authority should be informed, and further assessment of the material may be required.

Impacted soils should be placed on an impermeable surface to await further assessment, treatment, or removal from site (this may be subject to chemical testing to confirm suitable waste facility). The work should be done under the supervision and instruction of an environmental consultant.

To determine that significantly impacted soils have been removed, verification samples will be collected from the base and sides of the excavation. If all impacted ground cannot be removed and contamination remains on the ground, further remediation may need to be considered.

Validation requirements should include a log of work undertaken, including photographs and details of any sampling undertaken and validation of any potential additional remedial work.

9.2.2. Grubbing Out of In-ground Structures

Surface hard standing and relict features including former foundations and current foundation can be expected across the site wide. It is recommended that in-ground structures are grubbed out as part of the groundworks.

Hard materials can be used to generate suitable aggregates for re-use on site as part of engineered made ground and/ or construction platforms (subject to geo-environmental testing and client design specifications). Suitable materials derived from grubbing-up should be stored in a location on site, to be agreed with the Engineer, prior to crushing. Any unsuitable materials should be removed to a suitably licensed landfill site.

9.2.3. Re-use of Site Generated Material

To ensure material is compliant with appropriate waste regulations, any site won material re-used onsite should be in recourse to appropriate exemptions. A U1 and T5 exemption should be registered. This will allow the following to be used onsite or brought in for use onsite (refer to guidance for types of waste that can be used²⁹):

- 5,000 tonnes (c. 2,500m³) treatment of crushed concrete / stone.
- 1,000 tonnes (c. 500m³) use of non-hazardous soil.
- 5,000 tonnes (c. 2,500m³) use of clays, sand, gravel, brick, concrete, stone etc.
- 50,000 tonnes (c. 25,000m³) use of bituminous material to be used in roadways.

A Materials Management Plan (MMP) with recourse to the CL:AIRE Code of Practice³⁰ may be required if volumes exceed exemption limits. This must be registered before material movement starts onsite.

If an MMP is required, this needs to be registered by a Qualified Person (QP) and there must be 'certainty of use' for any material re-used onsite or exported to site to ensure there is no 'sham recovery'.

For all the above material will need to be tested at the rate and analytical suites presented in Table 9-2.

9.2.4. Stockpile Management

Stockpiled material should be suitably managed. Material should be segregated by type and source. For example, construction / demolition arisings, site won subsoil. Stockpiles may also require covering to minimise the generation of vapours, fibres, dust, and possible nuisance to adjacent receptors, and

to prevent rainwater ingress. The source of each stockpile should be recorded and appropriate validation testing for re-use or potential offsite disposal should be undertaken as required.

9.2.5. Disposal

Material required to be removed from site should be undertaken under an appropriate duty of care and the results of chemical analysis should be provided to a licensed landfill for confirmation of waste classification.

Waste records such as disposal tickets and waste carrier licences should be provided in the Site Completion Report. Photographic evidence of removal and waste removal tickets should be retained and included in the validation report.

9.2.6. Control of Water

If significant organic contamination is present or to chase out deeper obstructions some localised excavation below the groundwater table may be required. Contingency arrangements to remove groundwater (including contaminated groundwater if encountered) from excavations/ relict structures should be allowed.

Small volumes of pumped fluids/ groundwater may be stored in appropriate, sealed tanks/containers and analysed for a range of determinants prior to disposal to suitable facility. Alternatively, a temporary discharge licence, including their requirements for treatment/ testing should be agreed with local utility providers (United Utilities) prior to start on site.

Where relict structures are found to retain fluid contaminants, they should be drained prior to removal.

9.2.7. Health and Safety Considerations

In working with, removing, or treating any contaminating material it is important that any potential risks associated with the actual site works are mitigated by good environmental management of the site during the remedial phases. Standard health and safety precautions (as per HSE guidance³¹) should be adopted by all workers involved with site enabling and construction works.

9.2.8. Piling in Contaminated Land

If a piled foundation is being considered this may provide a preferential pathway for contaminants to the underlying aquifer. A piling risk assessment may be required. Good practice for the drilling of piles on contaminated sites should be adhered to, such as guidance provided by the Environment Agency³².

9.2.9. Asbestos in Soils Management Plan

Due to the presence of asbestos containing material, it is recommended that additional precautions are taken during site clearance, earthworks, and construction in the area of concern. The presence of asbestos in the made ground at the site presents a potential risk of generation of airborne fibres if this material is disturbed, such as for excavations to construct new foundations.

LKC recommend that an appropriate 'Asbestos Management Strategy' is developed by the groundworks contractor in line with CIRIA C733³³ and included within the Construction Environmental Management Plan.

9.3. Validation of Imported / Site Won Soils

Chemical validation of all imported and site-won soils to be used on site in the soft landscaping areas should be undertaken. Imported soils should be accompanied by a certificate of analysis and source details.

A summary of the required imported material sampling requirements is presented in Table 9-2 and is based on the slightly modified YALPAG guidance (2021)³⁴ based on a general worst case scenario. Ideally, the material should be sampled at source to prevent double handling if soil fails, with confirmatory sampling undertaken on importation to site. Where this is not possible then material

imported should be segregated based on source and soil type. Validation samples should be taken prior to placement in gardens to ensure suitability for use.

Material Type	Source	Suite of Analysis	Sampling Rate
Virgin Quarried Material	First generation quarried material (stone / subsoil)	Suite A	1 or 2 depending upon the type of stone / subsoil utilised to confirm the inert nature of the material.
Crushed Hardcore Stone and Brick (excluding asphalt)	Recycled (no volatile staining)	Suite A*	1 sample per 500m ³
General Fill	Imported fill – Greenfield / manufactured	Suite A*	1 sample per 500m ³
	Imported fill - Brownfield	Suite B*	
Topsoil / Subsoil	Greenfield / manufactured / natural site-won soil	Suite A*	^A 1 sample per 50m ³
	Brownfield / Screened Soils / site won made ground	Suite B*	^B 1 sample per 50m ³

Table 9-2: Sampling Requirements for Imported and Site Won Soils.

Notes:

Suite A - Heavy metals, pH, water soluble sulphate, speciated PAH, soil organic matter and asbestos screen.

Suite B - Heavy metals, pH, water soluble sulphate, speciated PAH, phenol, total and free cyanide, soil organic matter, asbestos screen, banded petroleum hydrocarbons (TPH CWG), BTEX, MTBE.

*Minimum sampling rate of 3 samples per source.

^AYAPALG states Between 1 sample per 50m³ and 1 sample per 250m³. Worst case assumed.

^BYAPALG states Between 1 sample per 50m³ and 1 sample per 100m³. Worst case assumed.

Any soil with visual or olfactory evidence of hydrocarbons should be rejected.

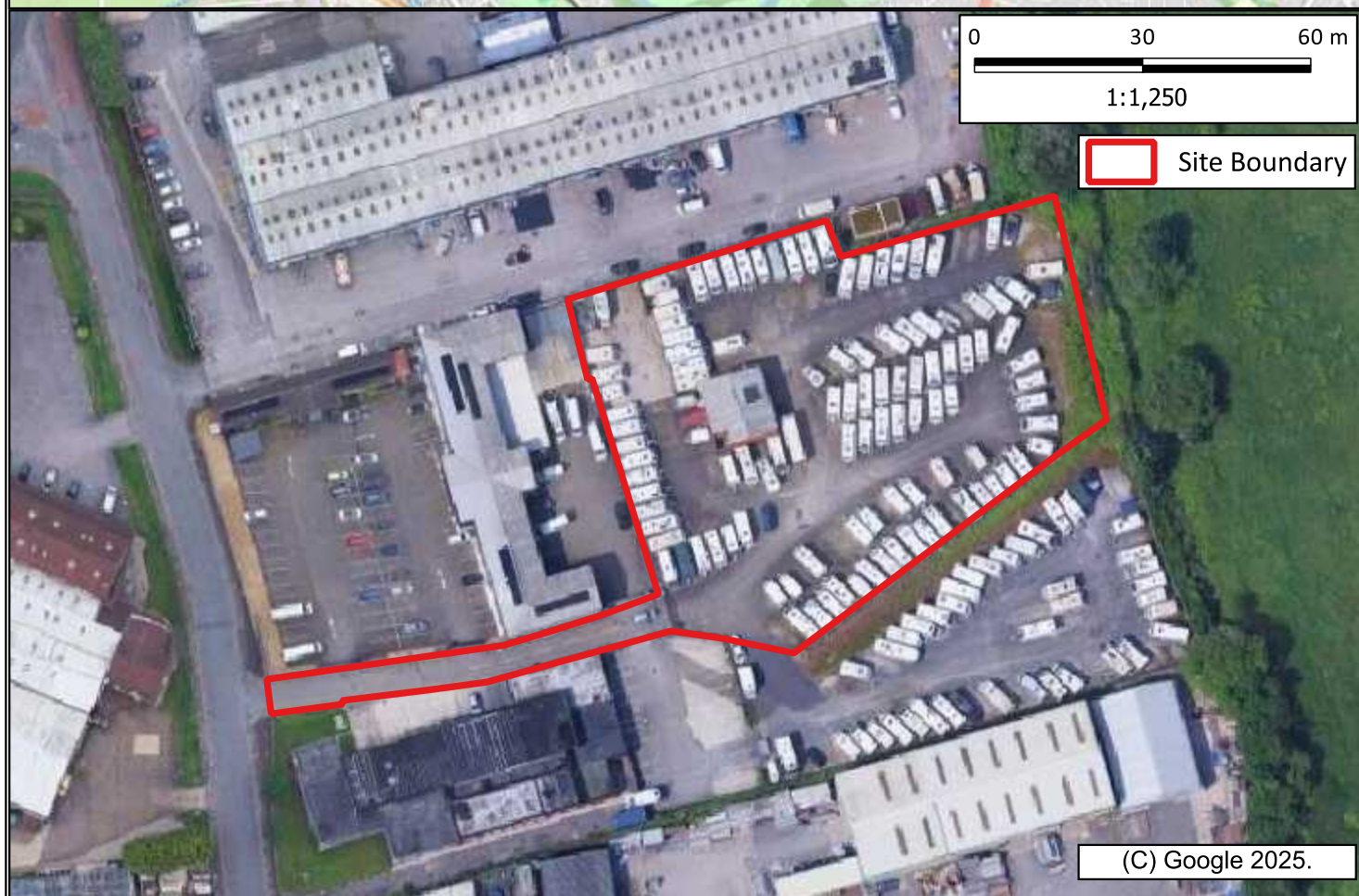
It should be ensured that the matrix of imported topsoil is suitable as a growing medium in line with BS3882³⁵. Topsoil soil shall be free of weeds, roots or perennial weeds, pests, diseases, debris, tree roots, sticks, subsoil and foreign matter and shall be capable of being broken down to a fine tilth. LKC advise this information is provided by the supplier before material is imported onto site.

Imported material to be used in gardens will be compared against the assessment criteria as used in the contamination risk assessment in Section 6.

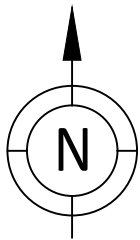
9.4. Site Completion Report

All remediation and validation work should be documented in a Site Completion Report. The Site Completion Report will allow discharge of relevant planning conditions.

Figures



Client: Love Padel Ltd				Title: Site Location & Boundary Plan		 LK CONSULT	
Site: Eton Hill Road, Radcliffe				Scale (see scale bar): 1:25,000 & 1:1250 @ A4			
Drawn By: No.: LKC 251563	Drawn By: CC	Checked By: AE	Drawn: Nov 2025	Figure: 1	Revision:		



KEY

 Site Boundary

Sampling Locations and features annotated by LK Consult Ltd are approximate and are based upon observed measurements unless otherwise stated. Do not scale from this drawing and work from marked dimensions only. All dimensions and features should be confirmed on site by the Contractor. Where this drawing includes information provided to LK Consult Ltd by others, LK Consult Ltd gives no warranty, representation or assurance as to the accuracy of such information.



LK CONSULT

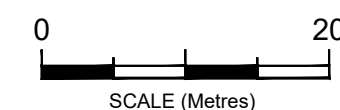
Client:
Love Padel Ltd

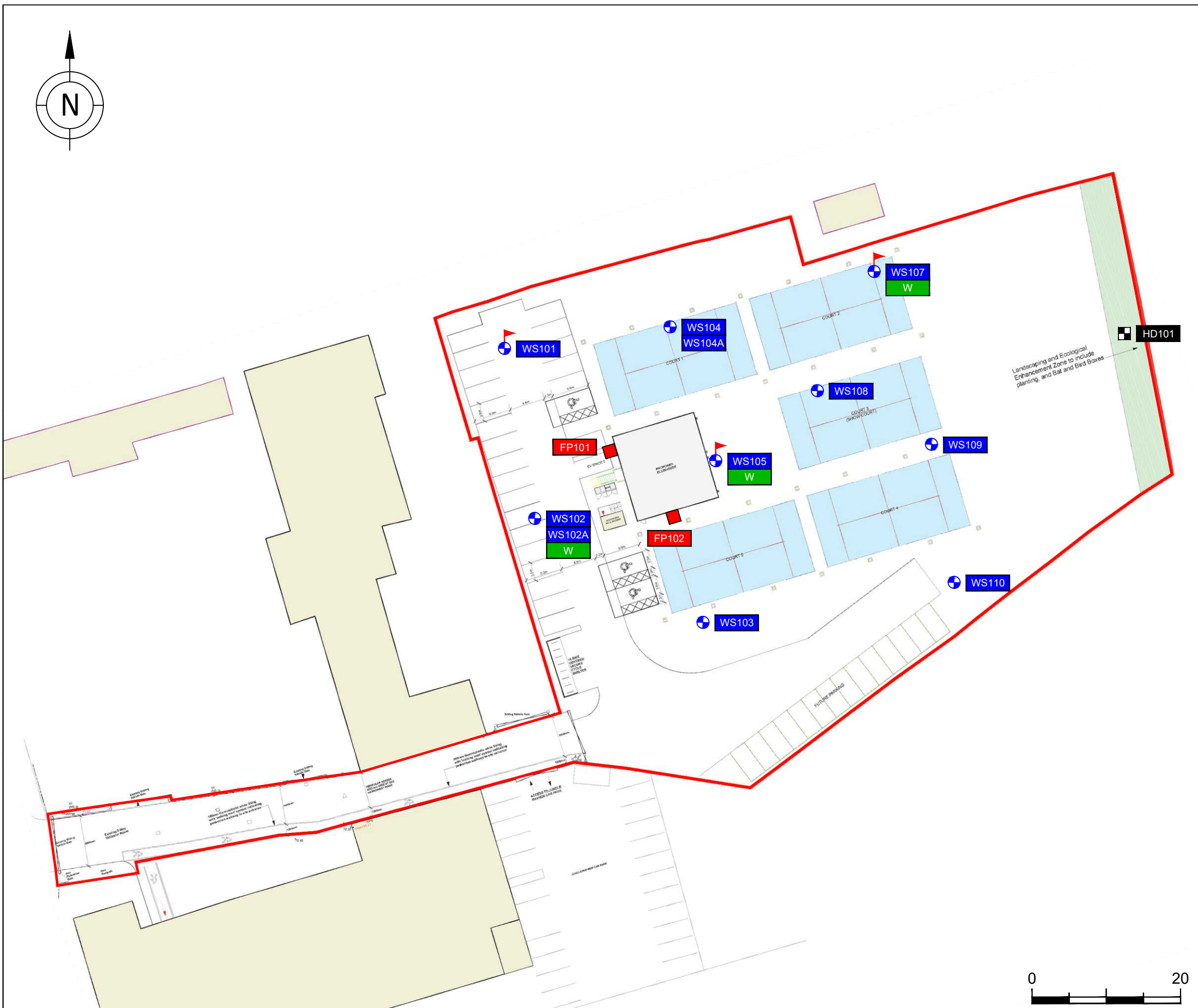
Site:
Eton Hill Road, Radcliffe

Title:
Proposed Development Plan

Job No.:	LKC251563	Scale (See Scale Bar):	See Scale Bar	Figure:	Revision:
Drawn By:	AC	Checked By:	AE	Drawn:	Oct 2025
					2

Extract From: Corstorphine & Wright
Drawing Ref: Proposed Site Plan, No.CWA-SS-00-DR-A-0301, Rev:04 (10/09/2025)





	Site Boundary
	Window Sample Borehole (WS)
	Foundation Inspection Pit (FP)
	Hand Dug Trial Pit (HD)
	Well (W)
	Installation



LK CONSULT

Client: Love Padel Ltd

Site: Eton Hill Road, Radcliffe

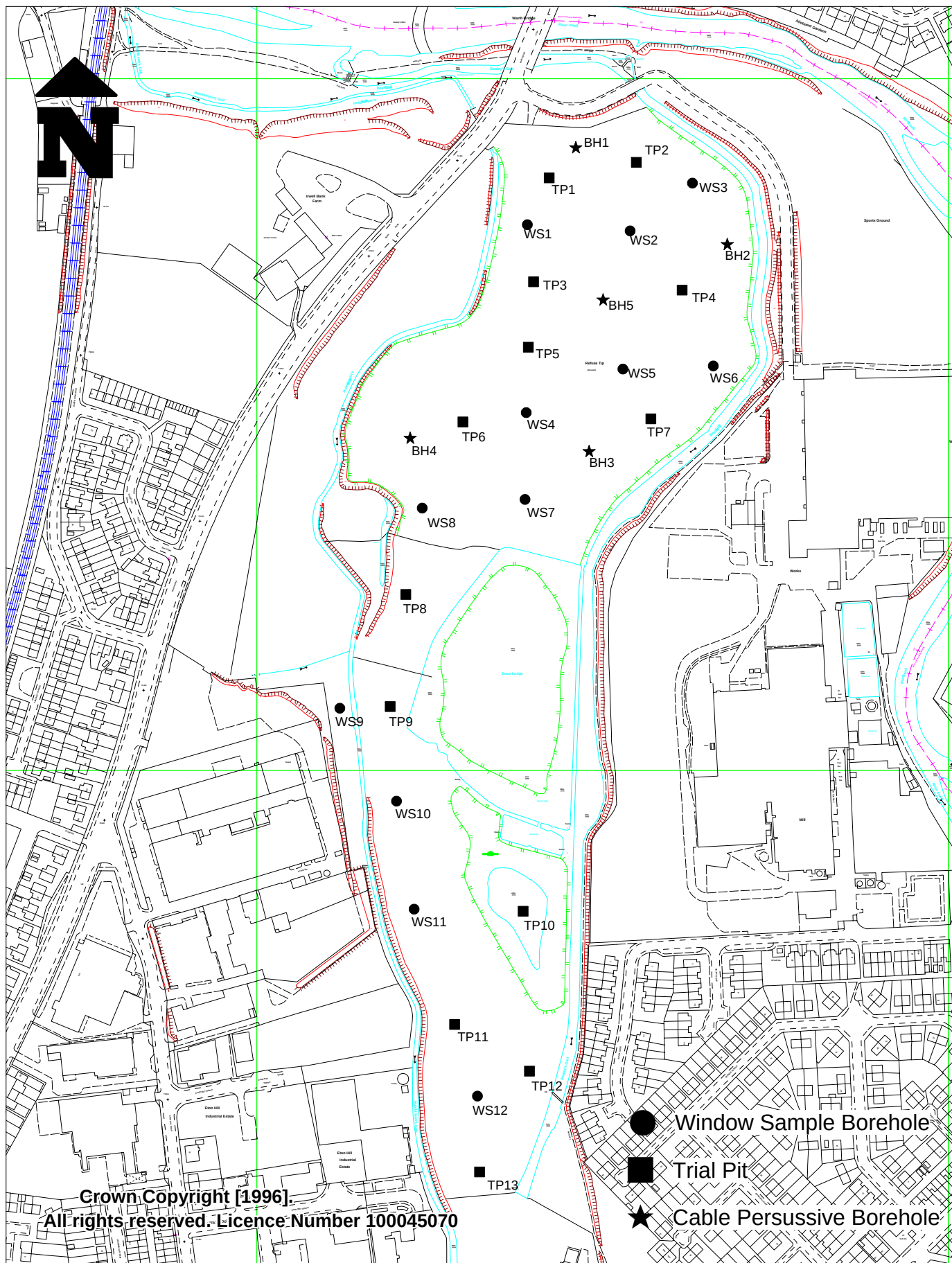
Title: **Site Investigation Location Plan**

Job No.: LKC251563	Scale (See Scale Bar): See Scale Bar	Figure: 	Revision
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Drawn By: AC	Checked By: AE	Drawn: Oct 2025
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Extract From: Corstorphine & Wright
Drawing Ref: Proposed Site Plan, No.CWA-SS-00-DR-A-0301, Rev:04 (10/09/2025)

Appendix A – Factual Ground Investigation Information – Adjacent Site



**Figure 3-1: Borehole, Window Sample and Trial Pit Location Plan
Bury Road/Dumers Lane, Radcliffe
Scale: NTS
Drawn: Oct 2007**

LEYDEN KIRBY ASSOCIATES LTD Bury Business Centre, Kay Street, Bury, Lancashire, BL9 6BU Tel: 0161 763 7200 Fax: 0161 763 7318 web: www.leydenkirby.co.uk						Site Bury Road/Dumers Lane			Number WS109	
Excavation Method Drive-in Window Sampler		Dimensions		Ground Level (mOD)		Client Martin Properties			Job Number CL1192	
		Location		Dates 01/10/2007		Engineer			Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	Instr	
0.20 0.20 0.20	V T J				(0.80)	MADE GROUND. Grass underlain by dark brown sandy topsoil with fine to coarse sub-rounded gravel, rare clinker, glass.				
1.00-1.45	SPT N=5		1,1/3,2,0,0		0.80 (0.20) 1.00	Mid-brown slightly sandy CLAY with much fine to coarse sub-rounded gravel and coal fragments.				
					(0.50) 1.50	Coarse wet orange/ brown SAND and gravel with coal fragments and cobbles.				
2.00-2.45	SPT N=8		2,2/3,2,1,2		(0.50) 2.00	Grey wet sandy SILT with coal fragments and inclusions of organic material.				
					(1.00)	No return.				
3.00-3.45	SPT N=19		2,3/4,4,5,6		3.00	Stiff brown/ grey slightly sandy CLAY with much fine to coarse sub-rounded gravel, coal fragments and cobbles.				
					(1.45)					
4.00-4.45	SPT N=19		2,3/3,5,5,6		4.45	Complete at 4.45m				
Remarks							Scale (approx) 1:50	Logged By MP		
							Figure No. CL1192.WS109			

LEYDEN KIRBY ASSOCIATES LTD Bury Business Centre, Kay Street, Bury, Lancashire, BL9 6BU Tel: 0161 763 7200 Fax: 0161 763 7318 web: www.leydenkirby.co.uk						Site Bury Road/Dumers Lane		Number WS110	
Excavation Method Drive-in Window Sampler		Dimensions		Ground Level (mOD)		Client Martin Properties		Job Number CL1192	
		Location		Dates 01/10/2007		Engineer		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	Instr
0.20 0.20 0.20	V T J				(1.10)	Grass underlain by orange/brown/grey very sandy CLAY with fine coal fragments and rootlets.			
1.00-1.45	SPT N=0		0,0/0,0,0,0		1.10 (0.50) 1.60	Brown/grey wet very sandy SILT with fine coal fragments.			
2.00-2.45	SPT N=19		5,5/5,4,4,6		(1.40)	Medium dense coarse wet SAND and fine to coarse sub-rounded and angular gravel, occasional cobbles and coal fragments.			
3.00-3.45	SPT N=11		2,3/2,3,3,3		3.00 (0.50)	Stiff grey wet sandy CLAY with much fine to coarse sub-rounded gravel, coal fragments and occasional cobbles.			
			Water strike(1) at 3.50m.		3.50	Medium dense moist grey SAND with occasional fine to coarse sub-rounded gravel and coal fragments.		W1	
4.00-4.45	SPT N=20		1,3/3,5,6,6		(0.95) 4.45	Complete at 4.45m			
Remarks							Scale (approx)	Logged By	
							1:50	MP	
							Figure No. CL1192.WS110		

CL1192 DUMERS LANE/BURY ROAD

Landfill Gas Monitoring on 8/9th October 2007

Weather: clear Surface ground conditions: dry

Monitoring Equipment: GA2000

Ambient concentrations (% Volume) CH4: 0%, CO2: 0%, O2: 20.2%.

Barometric pressure: Start of visit 1015mb, end of visit 1008mb.

ID	DATE	CH4	CO2	O2	BALANCE	CH4 %LEL	PEAKCH4	BARO	REL.PRESSURE	INTERNAL FLOW	CO	H2S	CH4/CO2	Res Nitrogen	Dipmeter
		%	%	%	%	%	%	mb	mb	l/h	ppm	ppm	%	%	
1192BH101	09/10/2007 11:17	31.8	7	0.4	60.8	200	31.9	1007	0.05	-0.7	0	0	4.54	59.29	6.4
1192BH102	09/10/2007 11:28	38.1	10.7	6.3	44.9	200	38.2	1007	0.01	0	2	0	3.56	21.09	8.4
1192BH103	09/10/2007 12:01	54.6	15.3	0.2	29.9	200	54.7	1008	0.15	0	1	0	3.57	29.14	
1192BH104	09/10/2007 11:49	37.2	12.6	8.8	41.4	200	39.9	1007	0.04	0	15	0	2.95	8.14	7.3
1192BH105	09/10/2007 11:39	61.2	34.6	0.3	3.9	200	61.4	1007	0.11	0.4	7	1	1.77	2.77	7
1192WS101	08/10/2007 14:04	0	6.1	14.6	79.3	0	0	1014	-0.05	0	0	0	0	24.11	1.45
1192WS102	08/10/2007 14:29	1.4	1.1	18.6	78.9	28	1.4	1014	0.03	-0.1	13	0	1.27	8.59	1.25
1192WS103	08/10/2007 13:05	4.7	12.4	0.2	82.7	94	5.3	1014	0.08	0	0	0	0.38	81.94	Dry
1192WS104	08/10/2007 12:18	1.9	7.5	12	78.6	38	2.1	1014	0	0	0	0	0.25	33.24	
1192WS105	08/10/2007 12:28	70.9	28.6	0.2	0.3	200	71.6	1014	0.1	-0.1	2	2	2.48	0	Dry
1192WS106	08/10/2007 12:50	26.7	20.1	0.2	53	200	26.7	1014	0.09	0	2	2	1.33	52.24	Dry
1192WS108	08/10/2007 11:44	15.3	4.1	0.4	80.2	200	15.4	1014	0.09	0	0	0	3.73	78.69	Dry
1192WS109	08/10/2007 11:28	0	2.6	16.9	80.5	0	0	1015	0.09	0	0	0	0	16.62	1.1
1192WS110	08/10/2007 11:12	0	0.3	20.8	78.9	0	0	1015	0.08	0	5	0	0	0.28	1

CL1192 DUMERS LANE/BURY ROAD

Landfill Gas Monitoring on 15th October 2007

Weather: clear Surface ground conditions: dry

Monitoring Equipment: GA2000

Ambient concentrations (% Volume) CH4: 0%, CO2: 0%, O2: 20.2%.

Barometric pressure: Start of visit 999mb, end of visit 997mb.

ID	DATE	CH4 %	CO2 %	O2 %	BALANCE %	CH4 %LEL %	PEAKCH4 %	BARO mb	REL.PRESSURE mb	INTERNAL FLOW l/h	CO ppm	H2S ppm	CH4/CO2 %	Res Nitrogen %	Dipmeter
1192B101	15/10/2007 11:48	32	11	0.4	56.6	200	32	998	0.25	0.1	0	1	2.91	55.09	6.5
1192B102	15/10/2007 12:39	42.9	12.6	4.9	39.6	200	43	998	0.12	0	1	0	3.4	21.08	8
1192B103	15/10/2007 13:32	53.5	15.4	0.2	30.9	200	53.6	997	0.27	0.1	1	0	3.47	30.14	7.6
1192B104	15/10/2007 11:30	34.7	12.6	9.5	43.2	200	34.9	999	0.18	0	4	0	2.75	7.29	7
1192B105	15/10/2007 12:57	59.4	34.6	0.2	5.8	200	59.5	998	0.18	0.1	7	2	1.72	5.04	7
1192W101	15/10/2007 11:41	0	2.9	17.6	79.5	0	0	999	0.18	0	0	0	0	12.97	1.3
1192W103	15/10/2007 12:35	0	0	20.7	79.3	0	0.3	998	0	0	0	0	>>>>	1.05	8
1192W104	15/10/2007 13:08	0	2.4	18.4	79.2	0	1.9	998	0.16	0	0	0	0	9.65	2.8
1192W104	15/10/2007 13:53	71	14.6	0.3	14.1	200	71.3	997	0.2	0.1	0	0	4.86	12.97	Dry
1192W105	15/10/2007 13:19	69.7	28	0.4	1.9	200	69.8	998	0.27	0.2	3	2	2.49	0.39	Dry
1192W106	15/10/2007 12:47	31.8	21.5	0.3	46.4	200	32	998	0.15	0.1	1	3	1.48	45.27	2.5
1192W107	15/10/2007 11:19	17	4.7	0.4	77.9	200	17.1	999	0.21	0	0	0	3.62	76.39	Dry
1192W109	15/10/2007 11:09	0	0.5	20.4	79.1	0	0	999	0.22	0	0	0	0	1.99	1.25
1192W110	15/10/2007 11:01	0	0.2	20.5	79.3	0	0	999	0.19	0	0	0	0	1.81	1
1192W112	15/10/2007 16:09	0	2.7	17.9	79.4	0	1.1	997	0.02	0	0	0	0	11.74	0.45

CL1192 DUMERS LANE/BURY ROAD

Landfill Gas Monitoring on 22nd October 2007

Weather: cloudy Surface ground conditions: dry

Monitoring Equipment: GA2000

Ambient concentrations (% Volume) CH4: 0%, CO2: 0%, O2: 20.2%.

Barometric pressure: Start of visit 1010mb, end of visit 1010mb.

ID	DATE	CH4 %	CO2 %	O2 %	BALANCE %	CH4 %LEL	PEAKCH4 %	BARO mb	REL.PRESSURE mb	INTERNAL FLOW l/h	CO ppm	H2S ppm	CH4/CO2 %	Res Nitrogen %	Dipmeter
1192B101	22/10/2007 11:00	28.4	13.7	0.9	57	200	28.4	1010	0.07	0	0	0	2.07	53.6	6.55
1192B102	22/10/2007 11:54	5.7	14.1	1.6	27.7	0		1010	-0.08	0	0	0	0	16.91	8.2
1192B103	22/10/2007 12:16	55.7	33.2	2	9.9	18		1010	0.03	0	1	0	0.75	9.47	7.5
1192B104	22/10/2007 10:39	41.4	17.2	7.9	33.5	200	51	1010	-0.07	0	1	0	2.41	3.64	7.4
1192B105	22/10/2007 12:38	52.6	15.5	0.2	31.5	0		1010	-0.02	0	1	0	0	3.24	8.2
1192W101	22/10/2007 10:51	0	5	15.9	79.1	0	0	1010	0.04	0	0	0	0	19	1.55
1192W102	22/10/2007 12:46	0	0.2	20.3	79.5	0		1010	0	0	0	0	0	2.77	Dry
1192W103	22/10/2007 11:48	4.9	12.5	0.8	81.8	98	4.9	1010	-1.21	0	1	0	0.39	78.78	
1192W105	22/10/2007 12:27	71.2	28.7	0.2	0	4		1010	-0.02	0	2	0	0.4	6.57	Dry
1192W106	22/10/2007 12:07	27.1	21.3	0.4	51.2	200	27.2	1010	-0.01	0	1	1	1.27	49.69	
1192W108	22/10/2007 10:29	16.6	5	0.5	77.9	200	16.6	1010	0.04	0	0	0	3.32	76.01	Dry
1192W109	22/10/2007 10:18	0	2.1	19.3	78.6	0	0	1010	0.02	0	0	0	0	5.65	1.4
1192W110	22/10/2007 10:07	0	0.1	20.4	79.5	0		1010	0.02	0	0	0	0	2.39	1.11
1192W112	22/10/2007 09:58	0	2.3	18.7	79	0	0	1010	0	0	0	0	0	8.31	1.35

CL1192 DUMERS LANE/BURY ROAD

Landfill Gas Monitoring on 29th October 2007

Weather: showery Surface ground conditions: wet

Monitoring Equipment: GA2000

Ambient concentrations (% Volume) CH4: 0%, CO2: 0%, O2: 20.2%.

Barometric pressure: Start of visit 1001mb, end of visit 1000mb.

ID	DATE	CH4 %	CO2 %	O2 %	BALANCE %	CH4 %LEL %	PEAKCH4 %	BARO mb	REL.PRESSURE mb	INTERNAL FLOW l/h	CO ppm	H2S ppm	CH4/CO2 %	Res Nitrogen %	Dipmeter
1192B101	29/10/2007 12:47	31.1	10	1.5	57.4	200	31.2	1000	0.15	0.1	0	0	3.11	51.73	6.9
1192B102	29/10/2007 13:01	43.9	14.4	4.5	37.2	200	43.9	1000	0.1	0	0	0	3.05	20.19	5.1
1192B102	29/10/2007 13:15	41.2	13.2	7.8	37.8	200		1000	0	0.1	0	0	3.12	8.32	
1192B103	29/10/2007 13:33	62.7	30.1	0.2	7	200	62.7	1000	0.07	-0.2	8	0	2.08	6.24	7.9
1192B104	29/10/2007 12:25	41.1	16.7	7.8	34.4	200	42.3	1000	0.09	0	1	0	2.46	4.92	7.5
1192B105	29/10/2007 14:04	51.6	15.8	0.4	32.2	200	66.8	1000	0.08	0.3	1	0	3.27	30.69	8.5
1192B106	29/10/2007 13:24	26.6	20.7	1.7	51	200	41	1000	0.02	0.2	0	0	1.29	44.57	Dry
1192W101	29/10/2007 12:39	0	4.4	16.8	78.8	0	1.1	1000	0.07	0.1	0	0	0	15.3	1.7
1192W102	29/10/2007 14:13	33.8	10.2	0.9	55.1	200	33.8	1000	0.03	0.1	2	0	3.31	51.7	3
1192W103	29/10/2007 12:55	0	0.4	20.2	79.4	0	0.9	1000	0.04	0	0	0	0	3.04	Dry
1192W104	29/10/2007 13:42	1.3	6.1	14.8	77.8	26	2.6	1000	0.01	0.5	0	0	0.21	21.86	4.1
1192W105	29/10/2007 13:50	70.5	28.8	0.5	0.2	200	70.7	1000	0.12	0	2	0	2.45	0	Dry
1192W108	29/10/2007 12:17	16.5	4.9	1.6	77	200	16.6	1000	-9.23	0	0	0	3.37	70.95	Dry
1192W109	29/10/2007 11:58	0	2.7	18.1	79.2	0	0	1001	0.13	0	0	0	0	10.78	1.2
1192W110	29/10/2007 11:50	0	1.1	20	78.9	0	0	1001	0.09	0	0	0	0	3.3	0.9
1192W112	29/10/2007 11:39	0	0	20.7	79.3	0		1001	0.04	0	0	0	>>>>	1.05	0.4

Appendix B – Risk Matrix

RISK EVALUATION

The method for risk evaluation is a qualitative method of interpreting the output from the risk estimation stage of the assessment, based on CIRIA 552³⁶. It involves the classification of the:

- Magnitude of the potential consequence (severity) of the risk occurring (Table A).
- Magnitude of the probability (likelihood) of the risk occurring (Table B).

Consequence (Severity)		
Classification	Definition	Example
Severe	Short term (acute) risk to human health likely to result in 'significant harm' as defined by the Environment Protection Act 1990, Part IIA. Short term risk of pollution (note: water Resources Act contains no scope for considering significance of pollution) of sensitive water resource. Catastrophic damage to buildings/properties. A short-term risk to a particular ecosystem, or organism forming part of such ecosystem (note: the definition of ecological systems within the Draft Circular on Contaminated Land, DETR, 2000).	High Concentrations of cyanide on the surface of an informal recreation area. Major spillage of contaminants from site into controlled waters. Explosion, causing building collapse (can also equate to short term human health risk if buildings are occupied).
Medium	Chronic damage to Human Health ('significant harm' as defined in DETR, 2000). Pollution of sensitive water resources (note Water Resources Act contains no scope for considering significance of pollution). A significant change in a particular ecosystem, or organism forming part of such ecosystem.	Concentrations of a contaminant from site exceed generic, or site-specific assessment criteria. Leaching of contaminants from a site to a major or minor aquifer (Principal and Secondary). Death of a species within a designated nature reserve.
Mild	Pollution of non-sensitive water resources. Significant damage to crops, buildings, structures, and services ('significant harm' as defined in DETR, 2000). Damage to sensitive buildings/structures/services or the environment.	Pollution of non-classified groundwater. Damage to building rendering it unsafe to occupy (e.g., foundation damage resulting in instability).
Minor	Harm, although not necessarily significant harm, which may result in a financial loss, or expenditure to resolve. Non-permanent health effects to human health (easily prevented by means such as personal protective clothing etc). Easily repairable damage to buildings, structures, and services.	The presence of contaminants at such concentrations that protective equipment is required during site works. The loss of plants in a landscaping scheme. Discoloration of concrete.

Table A. Classification of Consequence

Probability (Likelihood)	
Classification	Definition
High Likelihood	There is a pollutant linkage and an event that either appears very likely in the short term and almost inevitable over the long term, or there is evidence at the receptor of harm or pollution.
Likely	There is a pollutant linkage, and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.
Low Likelihood	There is a pollutant linkage, and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such event would take place and is less likely in the shorter term.
Unlikely	There is a pollutant linkage, but circumstances are such that it is improbable that an event would occur in the very long term.

Table B. Classification of Probability.

These classifications are then compared to indicate the risk presented by each pollutant linkage (Table C). It is important that this classification is only applied where there is a possibility (which can range from high likelihood to unlikely) of a pollutant linkage existing.

		Consequence			
		Severe	Medium	Mild	Minor
Probability	High Likelihood	Very High Risk	High Risk	Moderate Risk	Moderate / Low Risk
	Likely	High Risk	Moderate Risk	Moderate / Low Risk	Low Risk
	Low Likelihood	Moderate Risk	Moderate / Low Risk	Low Risk	Very Low Risk
	Unlikely	Moderate / Low Risk	Low Risk	Very Low Risk	Very Low Risk

Table C. Comparison of Consequence against Probability

Once the risk has been determined the corresponding action can be assessed (Table D).

Risk	Action Required
Very High Risk	There is a high probability that severe harm could arise to a designated receptor from an identified hazard, OR there is evidence that severe harm to a designated receptor is currently happening. This risk, if realised, is likely to result in a substantial liability. Urgent investigation (if not already undertaken) and remediation are likely to be required.
High Risk	Harm is likely to arise to a designated receptor from an identified hazard. Realisation of the risk is likely to present a substantial liability. Urgent investigation (if not undertaken already) is required and remedial works may be necessary in the short term and are likely over the longer term.
Moderate Risk	It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild. Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer term.
Low Risk	It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild.
Very Low Risk	There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe.

Table D. Description of the Classification and Likely Action Required.

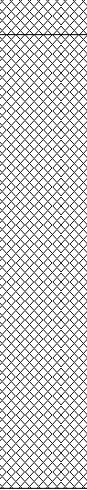
Where a very low risk is identified no specific remediation is required.

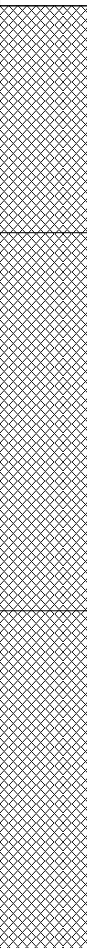
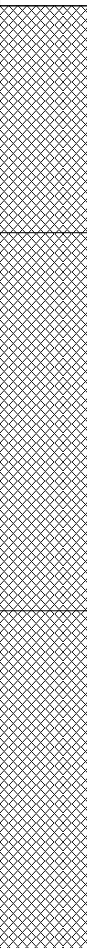
Where a low risk is identified, some form of remediation may be required depending on the pollutant linkage, the type and concentration of contaminants present and the proposed development.

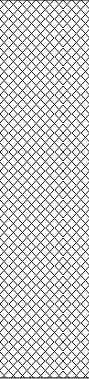
Where there is a moderate/low risk identified, an assessment will be undertaken to establish what category the pollutant linkage will fall into.

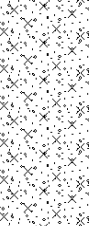
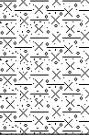
Where LKC identifies a moderate or higher risk, remediation or further investigation work is recommended.

Appendix C – Profile Logs and LWD Results

 LK CONSULT		Trial Pit Log					Location Ref: FP101	
Project: Eton Hill Road			Client: Love Padel Ltd			Date: 20/10/2025		
Project No. : LKC251563			Contractor: D & I Drilling Ltd					
Equipment: Hand Excavation Tools			Level	Logged By LGD	Scale 1:10		Page Number Sheet 1 of 1	
Depth (m)	Samples / Tests	Depth (m)	Legend	Stratum Description				
0.05-0.30 0.05-0.30 0.05-0.30	D ES PID=0.1ppm	0.05		MADE GROUND: TARMACADAM.			0.5	
		MADE GROUND: Grey very gravelly slightly silty SAND with occasional brick fragments, rare whole brick and slate. Sand is fine to coarse. Gravel is fine to coarse, subangular to subrounded comprising sandstone (Probable sub-base).						
		0.65		End of Trial Pit at 0.65m			1.0	
							1.5	
			Pit Dimensions				Pit Stability	
			Length (m)	Width (m)	Depth (m)	Stable		
			0.60	0.40	0.65			
			Remarks:					
			No footing found at 0.65mbgl. Pit terminated at 0.65mbgl due to refusal on brick fragments. Pit dry.					

 LK CONSULT		Trial Pit Log					Location Ref: FP102			
Project: Eton Hill Road			Client: Love Padel Ltd			Date: 20/10/2025				
Project No. : LKC251563			Contractor: D & I Drilling Ltd							
Equipment: Hand Excavation Tools			Level		Logged By LGD		Scale 1:10		Page Number Sheet 1 of 1	
Depth (m)	Samples / Tests	Depth (m)	Legend	Stratum Description						
0.30-0.80 0.30-0.80 0.30-0.80	D ES PID=0.4ppm	0.30		MADE GROUND: Light brown very gravelly slightly SAND. Sand is fine to coarse. Gravel is fine to coarse, subangular to subrounded comprising sandstone (Probable sub-base).				0.5		
				MADE GROUND: Dark grey very gravelly SAND with frequent ash, clinker, brick fragments and occasional slate. Sand is fine to coarse. Gravel is fine to coarse, subangular to subrounded comprising sandstone.						
	0.80-1.20 0.80-1.20 0.80-1.20	D ES PID=0.2ppm	0.80		MADE GROUND: Light brown slightly gravelly slightly sandy silty CLAY with occasional brick fragments and rare coal fragments. Sand is fine to coarse. Gravel is fine to coarse, subangular to subrounded comprising sandstone and mudstone.					
1.25					End of Trial Pit at 1.25m					
					Pit Dimensions				Pit Stability	
				Length (m)	Width (m)	Depth (m)	Stable			
				0.30	0.30	1.25				
					Remarks:					

 LK CONSULT		Trial Pit Log					Location Ref: HD101	
Project: Eton Hill Road			Client: Love Padel Ltd			Date: 21/10/2025		
Project No. : LKC251563			Contractor: LKC					
Equipment: Hand Excavation Tools			Level	Logged By AE	Scale 1:10		Page Number Sheet 1 of 1	
Depth (m)	Samples / Tests	Depth (m)	Legend	Stratum Description				
0.00-0.50 0.00-0.50	ES PID=0.2ppm			MADE GROUND: Grey sandy GRAVEL with abundant concrete fragments, frequent brick fragments and rare clinker. Sand is fine to coarse. Gravel is fine to coarse, subangular to subrounded comprising sandstone.				
		0.50		End of Trial Pit at 0.50m			0.5	
							1.0	
							1.5	
				Pit Dimensions			Pit Stability	
				Length (m)	Width (m)	Depth (m)	Stable	
				0.40	0.30	0.50		
				Remarks:				
Refusal at 0.50mbgl on concrete. Pit dry and stable.								

 LK CONSULT		Window Sample Borehole Log					Location Number: WS101		
Project Name: Eton Hill Road			Client: Love Padel Ltd			Date: 20/10/2025			
Project No. : LKC251563			Contractor: D & I Drilling Ltd						
Equipment: Window Sample Rig: Competitor Dart			Level	Logged By AE	Scale 1:40	Page Number Sheet 1 of 1			
Depth (m)	Samples / Tests	Depth (m)	Legend	Stratum Description			Level (m)	Water Strikes	Well
0.10-0.50 0.10-0.50	ES PID=0.3ppm	0.10		MADE GROUND: Light yellowish brown gravelly SAND with rare brick fragments. Sand is fine to coarse. Gravel is fine to coarse, subrounded to subangular comprising sandstone and mudstone.					
0.70 0.70	ES PID=0.2ppm	0.60		MADE GROUND: Soft consistency greyish brown gravelly sandy SILT with occasional brick fragments, and rare ash. Sand is fine to coarse. Gravel is fine to coarse, subangular to subrounded comprising sandstone.					
1.00-2.00 1.20-1.65	D N=42 (6,8/11,10,9,12)			Dense to medium dense brownish orange gravelly silty SAND. Sand is fine to coarse. Gravel is fine to coarse, subangular to subrounded comprising sandstone.		1			
2.00-2.45	N=14 (12,8/5,3,3,3)			2.00m to 3.00mbgl - Strata is medium dense.		2			
3.00	N=4 (1,1/1,1,1,1)	3.00		NO RECOVERY (Presumed same as below)		3			
4.00	N=13 (3,3/3,3,3,4)	4.00		Firm consistency grey slightly gravelly sandy clayey SILT. Sand is fine to coarse. Gravel is fine to medium, subangular to subrounded comprising sandstone.		4			
5.00	N=12 (2,2/3,3,3,3)	5.45		End of Borehole at 5.45m		5			
						6			
						7			
						8			
Remarks: Water strike at 2.00mbgl. Borehole collapse at 3.00mbgl in suspected soft consistency SILT. No recovery from 3.00-4.00mbgl.									

Window Sample Borehole Log

Location Number:

WS102

Project Name: Eton Hill Road

Client: Love Padel Ltd

Date: 20/10/2025

Project No. : LKC251563

Contractor: D & I Drilling Ltd

Equipment: Window Sample Rig: Competitor Dart

Level

Logged By
LGD

Scale
1:40

Page Number
Sheet 1 of 1

Depth (m)	Samples / Tests	Depth (m)	Legend	Stratum Description	Level (m)
0.07-0.20	D	0.07		MADE GROUND: TARMACADAM.	
0.07-0.50	ES			MADE GROUND: Light brown very gravelly slightly silty SAND. Sand is fine to coarse. Gravel is fine to coarse, subangular to subrounded comprising sandstone (Probable sub-base).	
		0.50		End of Borehole at 0.50m	
					1
					2
					3
					4
					5
					6
					7
					8

Remarks:

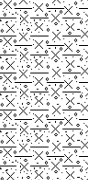
Pit dry and stable.

Refusal on concrete within hand dug pit at 0.50mbgl.

Borehole moved 1.00m east - see WS102A.

		Window Sample Borehole Log				Location Number: WS102A				
Project Name: Eton Hill Road			Client: Love Padel Ltd			Date: 20/10/2025				
Project No. : LKC251563			Contractor: D & I Drilling Ltd							
Equipment: Window Sample Rig: Competitor Dart			Level		Logged By LGD		Scale 1:40		Page Number Sheet 1 of 1	
Depth (m)	Samples / Tests	Depth (m)	Legend	Stratum Description						Level (m)
0.06-0.50 0.06-0.50	D ES	0.06		MADE GROUND: TARMACADAM.						
		0.50		MADE GROUND: Light brown very gravelly slightly silty SAND with rare brick fragments. Sand is fine to coarse. Gravel is fine to coarse, subangular to subrounded comprising sandstone (Probable sub-base). End of Borehole at 0.50m						
									1	
									2	
									3	
									4	
									5	
									6	
									7	
									8	
Remarks: Pit dry and stable. Refusal on concrete within hand dug pit at 0.50mbgl.										

 LK CONSULT		Window Sample Borehole Log				Location Number: WS103	
Project Name: Eton Hill Road			Client: Love Padel Ltd		Date: 20/10/2025		
Project No. : LKC251563			Contractor: D & I Drilling Ltd				
Equipment: Window Sample Rig: Competitor Dart			Level	Logged By AE	Scale 1:40	Page Number Sheet 1 of 1	

Depth (m)	Samples / Tests	Depth (m)	Legend	Stratum Description		Level (m)
0.00-0.50 0.00-0.50	ES PID=0.2ppm			MADE GROUND: Reddish brown sandy GRAVEL with abundant brick fragments. Sand is fine to coarse. Gravel is fine to coarse, subangular to subrounded comprising anthropogenic content.		
0.50-1.00 0.50-1.00	ES PID=0.3ppm	0.50		MADE GROUND: Soft consistency grey gravelly sandy SILT with occasional ash and rare brick fragments. Sand is fine to coarse. Gravel is fine to coarse, subangular to subrounded comprising sandstone.		
1.00-2.00 1.00-2.00 1.20	ES PID=0.0ppm N=5 (1,2/2,1,1,1)	1.00		Soft consistency dark grey organic slightly gravelly sandy peaty SILT with mild organic odour and rare rootlets. Sand is fine to coarse. Gravel is fine to medium, subangular comprising mudstone.	1	
2.00	N=4 (1,1/0,0,1,3)	2.00		Firm consistency brown slightly gravelly sandy clayey SILT. Sand is fine to coarse. Gravel is fine to coarse, subangular to subrounded comprising sandstone.	2	
3.00	N=12 (3,3/3,3,3,3)	3.45		End of Borehole at 3.45m	3	
					4	
					5	
					6	
					7	
					8	

Remarks:
 Borehole dry.
 Borehole collapse at 2.00mbgl.
 Borehole terminated at 3.45mbgl due to reaching required depth.

		Window Sample Borehole Log				Location Number: WS104							
Project Name: Eton Hill Road			Client: Love Padel Ltd			Date: 17/10/2025							
Project No. : LKC251563			Contractor: D & I Drilling Ltd										
Equipment: Window Sample Rig: Competitor Dart			Level		Logged By AE		Scale 1:40		Page Number Sheet 1 of 1				
Depth (m)		Samples / Tests		Depth (m)		Legend		Stratum Description				Level (m)	
0.00-0.50 0.00-0.50		ES PID=0.2ppm		0.30 0.50		 		MADE GROUND: Light yellowish brown gravelly SAND with rare ash and brick fragments. Sand is fine to coarse. Gravel is fine to coarse, subrounded to subangular comprising sandstone and mudstone. MADE GROUND: Red sandy GRAVEL with abundant brick fragments. Sand is fine to coarse. Gravel is fine to coarse, subangular comprising anthropogenic content. End of Borehole at 0.50m				1 2 3 4 5 6 7 8	
Remarks: Refusal on concrete at 0.50mbgl. Pit dry and stable. Relocated 1m east to WS104A													

		Window Sample Borehole Log				Location Number: WS104A		
Project Name: Eton Hill Road			Client: Love Padel Ltd			Date: 17/10/2025		
Project No. : LKC251563			Contractor: D & I Drilling Ltd					
Equipment: Window Sample Rig: Competitor Dart			Level	Logged By AE	Scale 1:40	Page Number Sheet 1 of 1		
Depth (m)	Samples / Tests	Depth (m)	Legend	Stratum Description				Level (m)
		0.40		MADE GROUND: Light yellowish brown gravelly SAND with rare ash and brick fragments. Sand is fine to coarse. Gravel is fine to coarse, subrounded to subangular comprising sandstone and mudstone.				
				End of Borehole at 0.40m				
							1	
							2	
							3	
							4	
							5	
							6	
							7	
							8	
Remarks: Refusal on concrete at 0.40mbgl. Pit dry and stable.								

Remarks:
Borehole stable.
Water strike at 3.00mbgl.
No recovery from 3.00m SPT.

Remarks:
Borehole collapse at 3.00mbgl.
Perched water strike at 3.00mbgl.
Water strike at 3.50mbgl.



LK CONSULT

Window Sample Borehole Log

Location Number:
WS108

Project Name: Eton Hill Road			Client: Love Padel Ltd		Date: 17/10/2025		
Project No. : LKC251563			Contractor: D & I Drilling Ltd				
Equipment: Window Sample Rig: Competitor Dart			Level	Logged By AE	Scale 1:40	Page Number Sheet 1 of 1	

Depth (m)	Samples / Tests	Depth (m)	Legend	Stratum Description		Level (m)	Water Strikes
0.00-0.50 0.00-0.50	ES PID=0.5ppm	0.60		MADE GROUND: Blackish brown sandy silty GRAVEL with frequent ash, clinker, occasional brick fragments and rare potential galligu. Sand is fine to coarse. Gravel is fine to coarse, subangular to subrounded comprising anthropogenic content.	1		
0.80-1.30 0.80-1.30	ES PID=0.1ppm			MADE GROUND: Soft consistency slightly gravelly sandy clayey peaty SILT with rare ash. Sand is fine to coarse. Gravel is fine to coarse, subangular to subrounded comprising sandstone.			
1.20-1.65	N=5 (1,1/1,1,1,2)						
2.00-2.45	N=6 (1,1/2,1,1,2)	2.00		Soft consistency slightly gravelly sandy clayey SILT. Sand is fine to coarse. Gravel is fine to coarse, subangular to subrounded comprising sandstone. Reworked strata.	2		
2.50-3.00							
3.00-3.45	N=5 (1,1/1,1,1,2)	3.00		No recovery. (Presumed same as above)	3		
4.00-4.45	N=14 (5,4/3,3,3,5)	4.00		Medium dense brown gravelly SAND. Sand is fine to coarse. Gravel is fine to medium comprising sandstone.	4		
5.00-5.45	N=11 (2,2/2,3,3,3)						
		5.45		End of Borehole at 5.45m	5		
					6		
					7		
					8		

Remarks:

Borehole collapse at 3.00mbgl.

Water strike at 3.00mbgl.

No recovery between 3.00-4.00mbgl.

[illegible]

Project Name: Eton Hill Road			Client: Love Padel Ltd			Date: 17/10/2025		
Project No. : LKC251563			Contractor: D & I Drilling Ltd					
Equipment: Window Sample Rig: Competitor Dart			Level	Logged By AE	Scale 1:40		Page Number Sheet 1 of 1	
Depth (m)	Samples / Tests	Depth (m)	Legend	Stratum Description			Level (m)	Water Strikes
0.00-0.40 0.00-0.40	ES PID=0.3ppm	0.40 0.50		MADE GROUND: Light yellowish brown gravelly SAND with frequent brick fragments. Sand is fine to coarse. Gravel is fine to coarse, subrounded to subangular comprising sandstone and mudstone.		1		
0.80-1.30 0.80-1.30	ES PID=0.2ppm			MADE GROUND: Red sandy GRAVEL with abundant brick fragments. Sand is fine to coarse. Gravel is fine to coarse, subangular comprising anthropogenic content.				
1.20-1.65	N=3 (0,0/0,1,1,1)			MADE GROUND: Soft consistency slightly gravelly sandy clayey slightly peaty SILT with rare brick fragments and ash. Sand is fine to coarse. Gravel is fine to coarse, subangular to subrounded comprising sandstone.				
2.00-2.45	N=6 (1,0/1,2,1,2)	2.00		Soft consistency grey slightly gravelly sandy silty peaty CLAY with slight organic odour and rare rootlets. Sand is fine to coarse. Gravel is fine to coarse, subangular to subrounded comprising sandstone.		2		
2.50-2.90 2.50-2.90	ES PID=0.0ppm							
3.00-3.45	N=34 (7,7/8,9,9,8)	2.90		Dense to loose yellowish brown sandy silty GRAVEL. Sand is fine to coarse. Gravel is fine to coarse, subangular to subrounded comprising sandstone.		3		
4.00-4.45	N=15 (5,3/3,3,5,4)			4.00m to 5.00mbgl - Strata is medium dense.		4		
5.00-5.45	N=8 (2,2/1,1,3,3)			5.00m to 5.45mbgl - Strata is loose.		5		
		5.45		End of Borehole at 5.45m				
						6		
						7		
						8		

Remarks:

Water strike at 4.00mbgl.
Borehole stable.

Dynamic Plate Load Test according to TP BF-StB B 8.3

Client
Love Padel Ltd

Number LKC251563
Eton Hill Road, Radcliffe

Description

No.	Date Time Device no.	Measuring point Tester	Test surface / layer Soil type / class	s1 [mm] s2 [mm] s3 [mm]	Ø [mm]	s/v [ms]	Ev2 [MPa]	Evd [MPa]
146	10/20/2025 03:40 PM LFG 12568	WS103 0.6 Liam Greenwood -Dean	MADE GROUND SILT	0,886 0,843 0,800	0,843	3,20	53,38	26,69
145	10/20/2025 03:36 PM LFG 12568	WS103 0.3 Liam Greenwood -Dean	MADE GROUND GRAVEL	0,888 0,867 0,843	0,866	3,08	51,96	25,98
144	10/20/2025 03:29 PM LFG 12568	WS103 Liam Greenwood -Dean	MADE GROUND GRAVEL	0,472 0,439 0,438	0,450	2,66	100,08	50,04
143	10/20/2025 02:52 PM LFG 12568	WS101 0.6 Liam Greenwood -Dean	SUPERFICIAL SAND	2,162 2,204 2,262	2,209	4,71	20,36	10,18
142	10/20/2025 02:51 PM LFG 12568	WS101 0.3 Liam Greenwood -Dean	MADE GROUND SILT	2,467 2,379 2,329	2,392	5,03	18,82	9,41



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Contact person
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Dynamic Plate Load Test according to TP BF-StB B 8.3

Client
Love Padel Ltd

Number LKC251563
Eton Hill Road, Radcliffe

No.	Date Time Device no.	Measuring point Tester	Test surface / layer Soil type / class	s1 [mm] s2 [mm] s3 [mm]	Ø [mm]	s/v [ms]	Ev2 [MPa]	Evd [MPa]
141	10/20/2025 02:44 PM LFG 12568	WS101 GL Liam Greenwood -Dean	MADE GROUND SAND	0,995 0,912 0,876	0,928	4,44	48,50	24,25
140	10/20/2025 01:57 PM LFG 12568	WS102 0.5 Liam Greenwood -Dean	MADE GROUND CONCRETE	1,109 1,052 1,052	1,071	3,88	42,02	21,01
139	10/20/2025 01:56 PM LFG 12568	WS102 0.30 Liam Greenwood -Dean	MADE GROUND SAND	1,328 1,225 1,177	1,243	4,25	36,20	18,10
138	10/20/2025 01:42 PM LFG 12568	WS102 GL Liam Greenwood -Dean	MADE GROUND TARMAC	0,225 0,215 0,214	0,218	2,54	206,42	103,21
137	10/20/2025 11:04 AM LFG 12568	WS105 0.6 Liam Greenwood -Dean	MADE GROUND SAND	2,027 1,961 1,893	1,960	4,75	22,96	11,48
136	10/20/2025 11:03 AM LFG 12568	WS105 0.3 Liam Greenwood -Dean	MADE GROUND SAND	2,507 2,328 2,260	2,365	5,30	19,02	9,51
135	10/20/2025 10:51 AM LFG 12568	WS105 GL Liam Greenwood -Dean	MADE GROUND GRAVEL	1,024 1,040 0,998	1,021	4,54	44,08	22,04
134	10/17/2025 02:18 PM LFG 12568	WS109 0.6 Alexander John Evans	MADE GROUND CLAY	2,377 2,262 2,183	2,274	5,47	19,78	9,89
133	10/17/2025 02:12 PM LFG 12568	WS109 Alexander John Evans	MADE GROUND SILT	1,749 1,653 1,660	1,687	4,81	26,68	13,33
132	10/17/2025 01:55 PM LFG 12568	WS110 0.6 Alexander John Evans	MADE GROUND SILT	2,826 2,498 2,455	2,593	6,72	17,36	8,68
131	10/17/2025 01:45 PM LFG 12568	WS110 0.30 Alexander John Evans	MADE GROUND SAND	1,165 1,156 1,112	1,144	4,68	39,34	19,66
130	10/17/2025 01:26 PM LFG 12568	WS104 GL Alexander John Evans	MADE GROUND SAND	0,563 0,520 0,533	0,539	3,36	83,54	41,77



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Dynamic Plate Load Test according to TP BF-StB B 8.3

Client
Love Padel Ltd

Number LKC251563
Eton Hill Road, Radcliffe

No.	Date Time Device no.	Measuring point Tester	Test surface / layer Soil type / class	s1 [mm] s2 [mm] s3 [mm]	Ø [mm]	s/v [ms]	Ev2 [MPa]	Evd [MPa]
129	10/17/2025 01:24 PM LFG 12568	WS107 GL Alexander John Evans	MADE GROUND GRAVEL	1,696 1,548 1,577	1,607	3,94	28,00	14,00
128	10/17/2025 01:20 PM LFG 12568	WS109 GL Alexander John Evans	MADE GROUND SAND	0,646 0,607 0,619	0,624	4,98	72,12	36,06
127	10/17/2025 01:18 PM LFG 12568	WS108 GL Alexander John Evans	MADE GROUND GRAVEL	0,647 0,641 0,609	0,632	3,10	71,16	35,58
126	10/17/2025 01:15 PM LFG 12568	WS110 GL Alexander John Evans	MADE GROUND SAND	0,624 0,612 0,596	0,611	3,02	73,68	36,84

Greater Manchester
11/14/2025

Alex Evans

Place, Date

Name

Signature / Stamp



LK Group Ltd
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Contact person
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Dynamic Plate Load Test according to TP BF-StB B 8.3

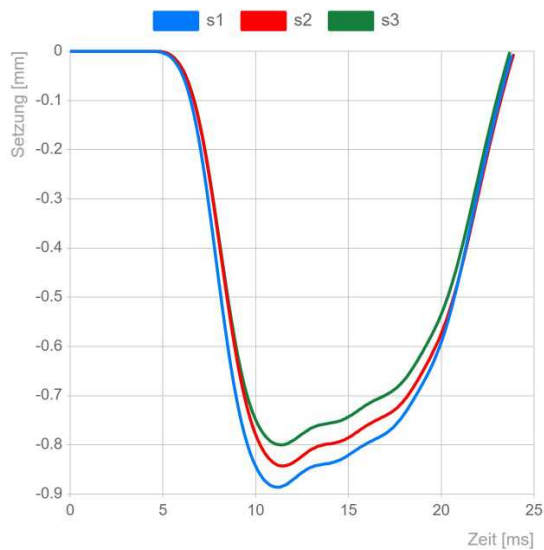
Client
Love Padel Ltd

Number LKC251563
Eton Hill Road, Radcliffe

Record no.
146
Test date
10/20/2025 03:40 PM
Device no.
LFG 12568
Tester
Liam Greenwood-Dean

Test surface / layer
MADE GROUND
Temperature / Weather
Overcast
Soil type / class
SILT
Plate base
300

s/t-diagram



Measuring point
WS103 0.6

Comments

Impact	s [mm]	v [mm/s]
1	0,886	282,48
2	0,843	257,42
3	0,800	249,55
Ø	0,843	263,15

s/v 3,20 ms
Ev2 53,38 MPa

Evd 26,69 MPa

Greater Manchester
11/14/2025

Alex Evans

Place, Date

Name

Signature / Stamp



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Dynamic Plate Load Test according to TP BF-StB B 8.3

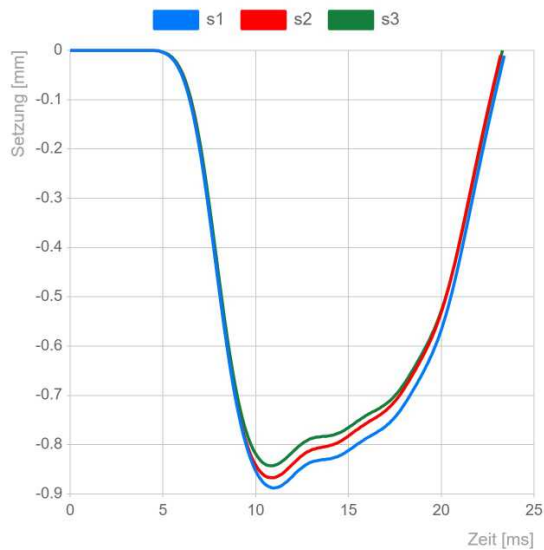
Client
Love Padel Ltd

Number LKC251563
Eton Hill Road, Radcliffe

Record no.
145
Test date
10/20/2025 03:36 PM
Device no.
LFG 12568
Tester
Liam Greenwood-Dean

Test surface / layer
MADE GROUND
Temperature / Weather
Overcast
Soil type / class
GRAVEL
Plate base
300

s/t-diagram



Measuring point
WS103 0.3

Comments

Impact	s [mm]	v [mm/s]
1	0,888	281,86
2	0,867	283,00
3	0,843	279,46
Ø	0,866	281,44

s/v 3,08 ms
Ev2 51,96 MPa

Evd 25,98 MPa

Greater Manchester
11/14/2025

Alex Evans

Place, Date

Name

Signature / Stamp



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Contact person
Angela G
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Dynamic Plate Load Test according to TP BF-StB B 8.3

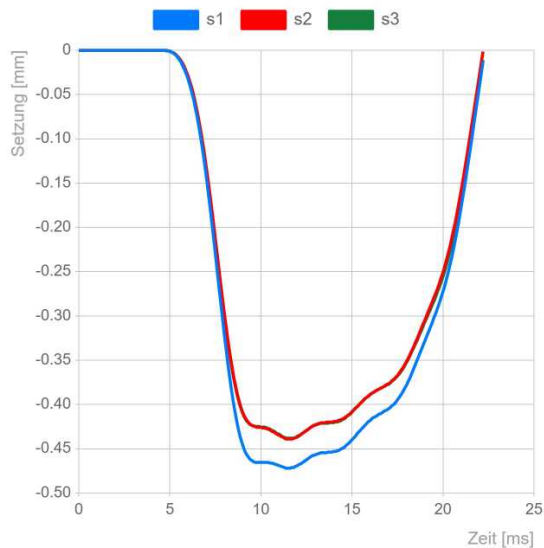
Client
Love Padel Ltd

Number LKC251563
Eton Hill Road, Radcliffe

Record no.
144
Test date
10/20/2025 03:29 PM
Device no.
LFG 12568
Tester
Liam Greenwood-Dean

Test surface / layer
MADE GROUND
Temperature / Weather
Overcast
Soil type / class
GRAVEL
Plate base
300

s/t-diagram



Measuring point
WS103

Comments

Impact	s [mm]	v [mm/s]
1	0,472	177,96
2	0,439	163,73
3	0,438	165,27
Ø	0,450	168,99

s/v 2,66 ms
Ev2 100,08 MPa

Evd **50,04 MPa**

Greater Manchester
11/14/2025

Alex Evans

Place, Date

Name

Signature / Stamp



LK Group Ltd
Unit 29, Eton Business Park Eton Hill Rd,
Radcliffe
M26 2ZS Greater Manchester
United Kingdom

Contact person
Angela G
✉ info@thelkgroup.com

Dynamic Plate Load Test according to TP BF-StB B 8.3

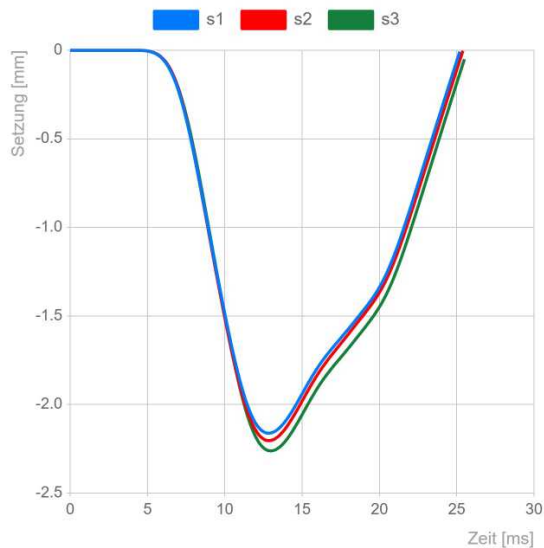
Client
Love Padel Ltd

Number LKC251563
Eton Hill Road, Radcliffe

Record no.
143
Test date
10/20/2025 02:52 PM
Device no.
LFG 12568
Tester
Liam Greenwood-Dean

Test surface / layer
SUPERFICIAL
Temperature / Weather
Overcast
Soil type / class
SAND
Plate base
300

s/t-diagram



Comments

Impact	s [mm]	v [mm/s]
1	2,162	457,13
2	2,204	470,65
3	2,262	478,14
Ø	2,209	468,64

s/v 4,71 ms
Ev2 20,36 MPa

Evd 10,18 MPa

Greater Manchester
11/14/2025

Alex Evans

Place, Date

Name

Signature / Stamp



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Contact person
Angela G
✉ info@thelkgroup.com

Dynamic Plate Load Test according to TP BF-StB B 8.3

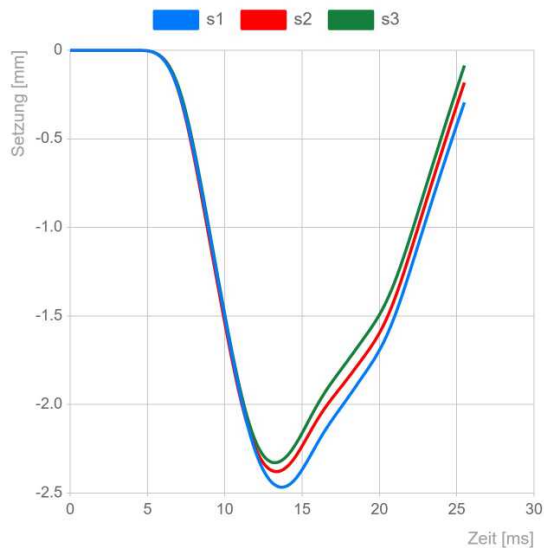
Client
Love Padel Ltd

Number LKC251563
Eton Hill Road, Radcliffe

Record no.
142
Test date
10/20/2025 02:51 PM
Device no.
LFG 12568
Tester
Liam Greenwood-Dean

Test surface / layer
MADE GROUND
Temperature / Weather
Overcast
Soil type / class
SILT
Plate base
300

s/t-diagram



Comments

Impact	s [mm]	v [mm/s]
1	2,467	473,13
2	2,379	475,13
3	2,329	477,98
Ø	2,392	475,41

s/v 5,03 ms
Ev2 18,82 MPa

Evd **9,41 MPa**

Greater Manchester
11/14/2025

Alex Evans

Place, Date

Name

Signature / Stamp



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Contact person
Angela G
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Dynamic Plate Load Test according to TP BF-StB B 8.3

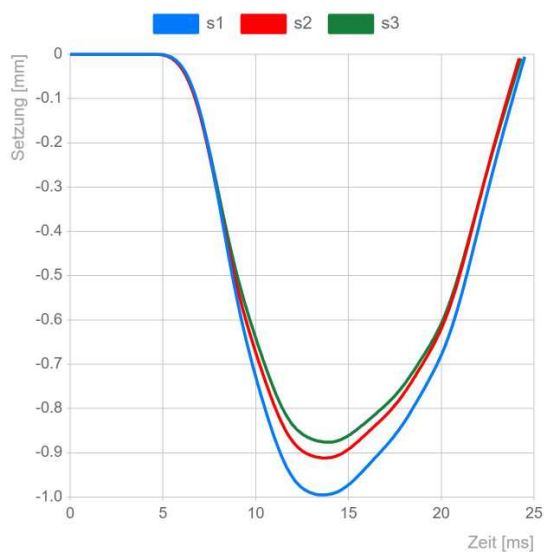
Client
Love Padel Ltd

Number LKC251563
Eton Hill Road, Radcliffe

Record no.
141
Test date
10/20/2025 02:44 PM
Device no.
LFG 12568
Tester
Liam Greenwood-Dean

Test surface / layer
MADE GROUND
Temperature / Weather
Overcast
Soil type / class
SAND
Plate base
300

s/t-diagram



Measuring point
WS101 GL

Comments

Impact	s [mm]	v [mm/s]
1	0,995	227,57
2	0,912	205,62
3	0,876	193,70
Ø	0,928	208,96

s/v 4,44 ms
Ev2 48,50 MPa

Evd **24,25 MPa**

Greater Manchester
11/14/2025

Alex Evans

Place, Date

Name

Signature / Stamp



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Dynamic Plate Load Test according to TP BF-StB B 8.3

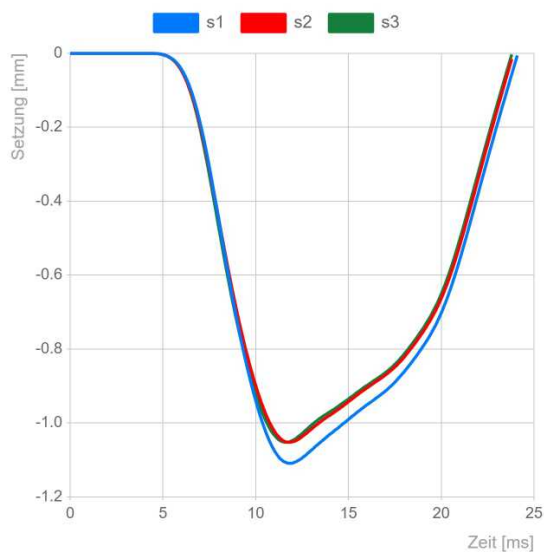
Client
Love Padel Ltd

Number LKC251563
Eton Hill Road, Radcliffe

Record no.
140
Test date
10/20/2025 01:57 PM
Device no.
LFG 12568
Tester
Liam Greenwood-Dean

Test surface / layer
MADE GROUND
Temperature / Weather
Overcast
Soil type / class
CONCRETE
Plate base
300

s/t-diagram



Comments

Impact	s [mm]	v [mm/s]
1	1,109	284,33
2	1,052	265,88
3	1,052	277,29
Ø	1,071	275,83

s/v 3,88 ms
Ev2 42,02 MPa

Evd 21,01 MPa

Greater Manchester
11/14/2025

Alex Evans

Place, Date

Name

Signature / Stamp



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Contact person
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Dynamic Plate Load Test according to TP BF-StB B 8.3

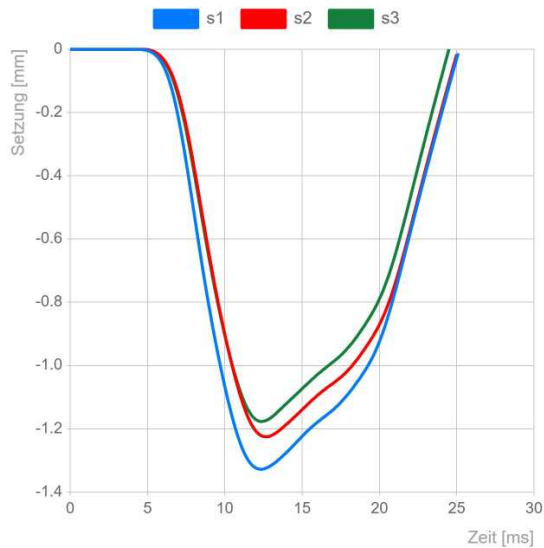
Client
Love Padel Ltd

Number LKC251563
Eton Hill Road, Radcliffe

Record no.
139
Test date
10/20/2025 01:56 PM
Device no.
LFG 12568
Tester
Liam Greenwood-Dean

Test surface / layer
MADE GROUND
Temperature / Weather
Overcast
Soil type / class
SAND
Plate base
300

s/t-diagram



Measuring point
WS102 0.30

Comments

Impact	s [mm]	v [mm/s]
1	1,328	316,38
2	1,225	282,29
3	1,177	278,86
Ø	1,243	292,51

s/v 4,25 ms
Ev2 36,20 MPa

Evd 18,10 MPa

Greater Manchester
11/14/2025

Alex Evans

Place, Date

Name

Signature / Stamp



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Dynamic Plate Load Test according to TP BF-StB B 8.3

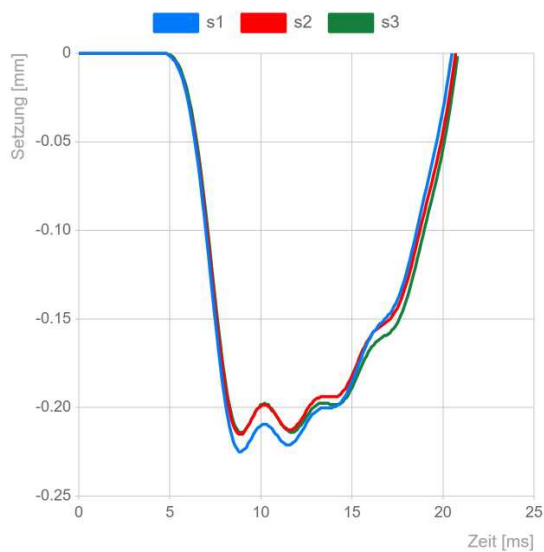
Client
Love Padel Ltd

Number LKC251563
Eton Hill Road, Radcliffe

Record no.
138
Test date
10/20/2025 01:42 PM
Device no.
LFG 12568
Tester
Liam Greenwood-Dean

Test surface / layer
MADE GROUND
Temperature / Weather
Overcast
Soil type / class
TARMAC
Plate base
300

s/t-diagram



Measuring point
WS102 GL

Comments

Impact	s [mm]	v [mm/s]
1	0,225	88,77
2	0,215	84,18
3	0,214	84,85
Ø	0,218	85,93

s/v 2,54 ms
Ev2 206,42 MPa

Evd **103,21 MPa**

Greater Manchester
11/14/2025

Alex Evans

Place, Date

Name

Signature / Stamp



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Angela G
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Dynamic Plate Load Test according to TP BF-StB B 8.3

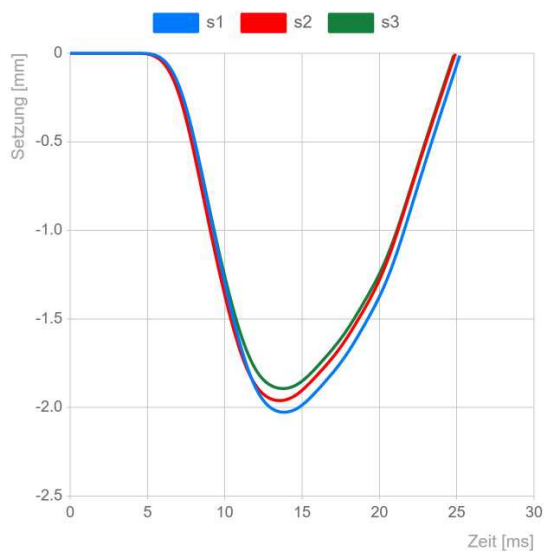
Client
Love Padel Ltd

Number LKC251563
Eton Hill Road, Radcliffe

Record no.
137
Test date
10/20/2025 11:04 AM
Device no.
LFG 12568
Tester
Liam Greenwood-Dean

Test surface / layer
MADE GROUND
Temperature / Weather
Overcast
Soil type / class
SAND
Plate base
300

s/t-diagram



Measuring point
WS105 0.6

Comments

Impact	s [mm]	v [mm/s]
1	2,027	418,51
2	1,961	416,30
3	1,893	403,90
Ø	1,960	412,90

s/v 4,75 ms
Ev2 22,96 MPa

Evd 11,48 MPa

Greater Manchester
11/14/2025

Alex Evans

Place, Date

Name

Signature / Stamp



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Contact person
Angela G
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Dynamic Plate Load Test according to TP BF-StB B 8.3

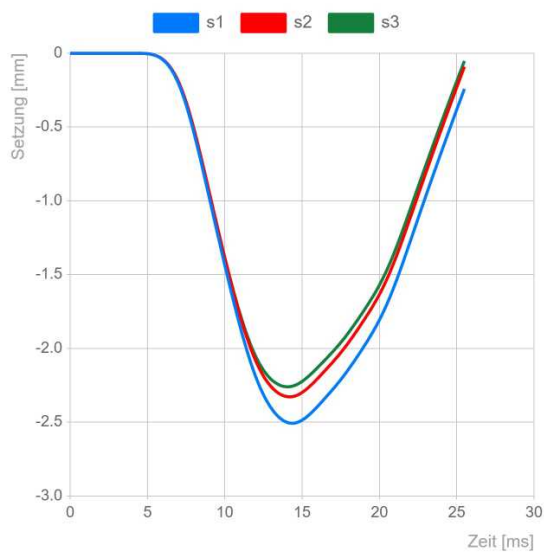
Client
Love Padel Ltd

Number LKC251563
Eton Hill Road, Radcliffe

Record no.
136
Test date
10/20/2025 11:03 AM
Device no.
LFG 12568
Tester
Liam Greenwood-Dean

Test surface / layer
MADE GROUND
Temperature / Weather
Overcast
Soil type / class
SAND
Plate base
300

s/t-diagram



Measuring point
WS105 0.3

Comments

Impact	s [mm]	v [mm/s]
1	2,507	455,42
2	2,328	445,85
3	2,260	438,17
Ø	2,365	446,48

s/v 5,30 ms
Ev2 19,02 MPa

Evd 9,51 MPa

Greater Manchester
11/14/2025

Alex Evans

Place, Date

Name

Signature / Stamp



LK Group Ltd
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Angela G
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Dynamic Plate Load Test according to TP BF-StB B 8.3

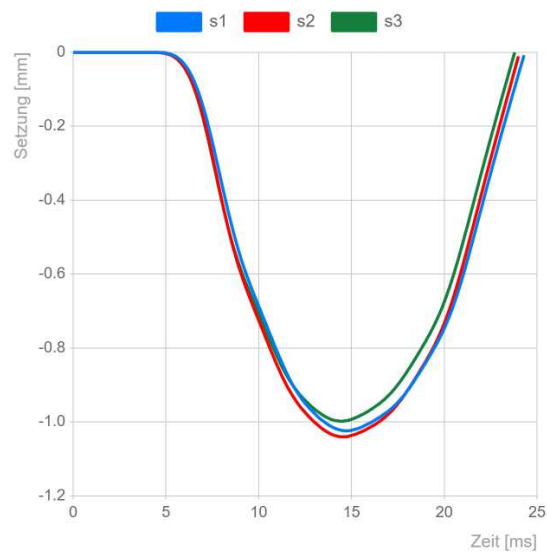
Client
Love Padel Ltd

Number LKC251563
Eton Hill Road, Radcliffe

Record no.
135
Test date
10/20/2025 10:51 AM
Device no.
LFG 12568
Tester
Liam Greenwood-Dean

Test surface / layer
MADE GROUND
Temperature / Weather
Overcast
Soil type / class
GRAVEL
Plate base
300

s/t-diagram



Measuring point
WS105 GL

Comments

Impact	s [mm]	v [mm/s]
1	1,024	218,39
2	1,040	230,40
3	0,998	226,20
Ø	1,021	225,00

s/v 4,54 ms
Ev2 44,08 MPa

Evd **22,04 MPa**

Greater Manchester
11/14/2025

Alex Evans

Place, Date

Name

Signature / Stamp



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Dynamic Plate Load Test according to TP BF-StB B 8.3

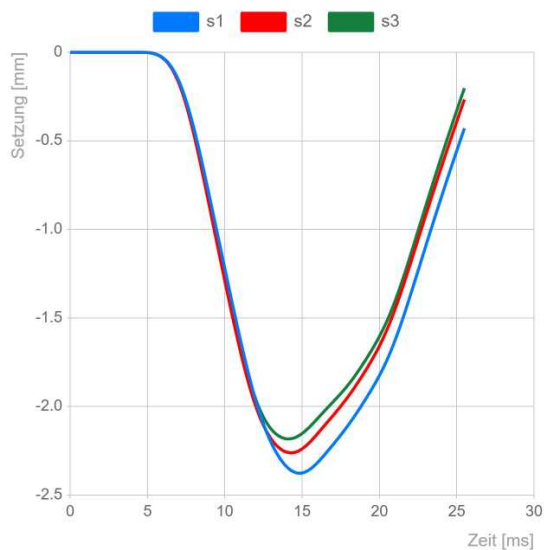
Client
Love Padel Ltd

Number LKC251563
Eton Hill Road, Radcliffe

Record no.
134
Test date
10/17/2025 02:18 PM
Device no.
LFG 12568
Tester
Alexander John Evans

Test surface / layer
MADE GROUND
Temperature / Weather
Overcast
Soil type / class
CLAY
Plate base
300

s/t-diagram



Measuring point
WS109 0.6

Comments

Impact	s [mm]	v [mm/s]
1	2,377	406,28
2	2,262	420,88
3	2,183	418,94
Ø	2,274	415,37

s/v 5,47 ms
Ev2 19,78 MPa

Evd 9,89 MPa

Greater Manchester
11/14/2025

Alex Evans

Place, Date

Name

Signature / Stamp



LK Group Ltd
Unit 29, Eton Business Park Eton Hill Rd,
Radcliffe
M26 2ZS Greater Manchester
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Dynamic Plate Load Test according to TP BF-StB B 8.3

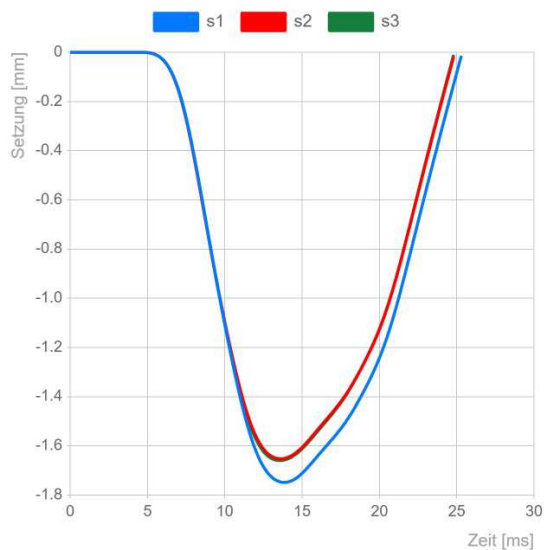
Client
Love Padel Ltd

Number LKC251563
Eton Hill Road, Radcliffe

Record no.
133
Test date
10/17/2025 02:12 PM
Device no.
LFG 12568
Tester
Alexander John Evans

Test surface / layer
MADE GROUND
Temperature / Weather
Overcast
Soil type / class
SILT
Plate base
300

s/t-diagram



Comments

Impact	s [mm]	v [mm/s]
1	1,749	351,76
2	1,653	347,48
3	1,660	354,21
Ø	1,687	351,15

s/v 4,81 ms
Ev2 26,68 MPa

Evd 13,33 MPa

Greater Manchester
11/14/2025

Alex Evans

Place, Date

Name

Signature / Stamp



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M26 2ZS Greater Manchester
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Contact person
Angela G
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Dynamic Plate Load Test according to TP BF-StB B 8.3

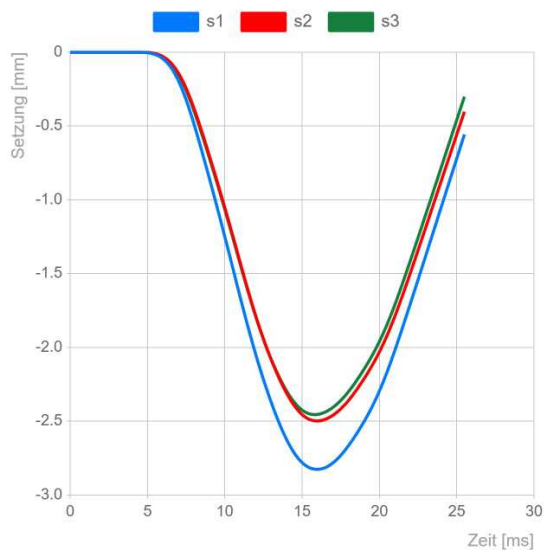
Client
Love Padel Ltd

Number LKC251563
Eton Hill Road, Radcliffe

Record no.
132
Test date
10/17/2025 01:55 PM
Device no.
LFG 12568
Tester
Alexander John Evans

Test surface / layer
MADE GROUND
Temperature / Weather
Overcast
Soil type / class
SILT
Plate base
300

s/t-diagram



Measuring point
WS110 0.6

Comments

Impact	s [mm]	v [mm/s]
1	2,826	410,99
2	2,498	374,88
3	2,455	372,36
Ø	2,593	386,08

s/v 6,72 ms
Ev2 17,36 MPa

Evd **8,68 MPa**

Greater Manchester
11/14/2025

Alex Evans

Place, Date

Name

Signature / Stamp



LK Group Ltd
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Contact person
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Dynamic Plate Load Test according to TP BF-StB B 8.3

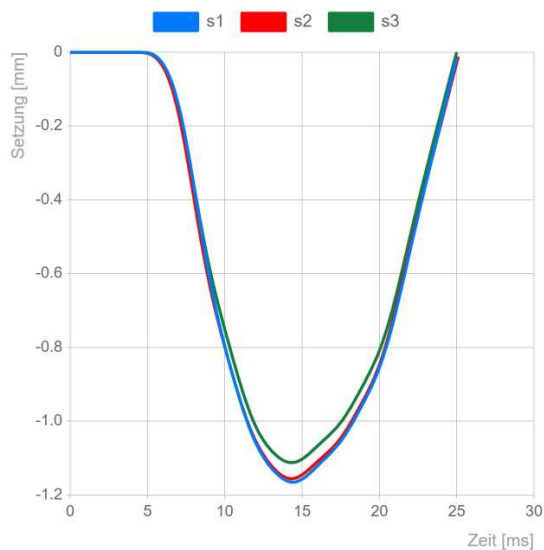
Client
Love Padel Ltd

Number LKC251563
Eton Hill Road, Radcliffe

Record no.
131
Test date
10/17/2025 01:45 PM
Device no.
LFG 12568
Tester
Alexander John Evans

Test surface / layer
MADE GROUND
Temperature / Weather
Overcast
Soil type / class
SAND
Plate base
300

s/t-diagram



Measuring point
WS110 0.30

Comments

Impact	s [mm]	v [mm/s]
1	1,165	253,73
2	1,156	248,17
3	1,112	231,85
Ø	1,144	244,58

s/v 4,68 ms
Ev2 39,34 MPa

Evd 19,66 MPa

Greater Manchester
11/14/2025

Alex Evans

Place, Date

Name

Signature / Stamp



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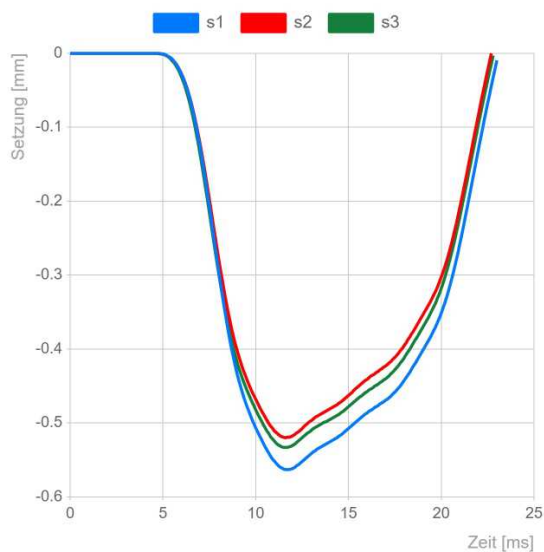
Client
Love Padel Ltd

Number LKC251563
Eton Hill Road, Radcliffe

Record no.
130
Test date
10/17/2025 01:26 PM
Device no.
LFG 12568
Tester
Alexander John Evans

Test surface / layer
MADE GROUND
Temperature / Weather
Overcast
Soil type / class
SAND
Plate base
300

s/t-diagram



Measuring point
WS104 GL

Comments

Impact	s [mm]	v [mm/s]
1	0,563	168,22
2	0,520	154,35
3	0,533	158,89
Ø	0,539	160,49

s/v 3,36 ms
Ev2 83,54 MPa

Evd 41,77 MPa

Greater Manchester
11/14/2025

Alex Evans

Place, Date

Name

Signature / Stamp



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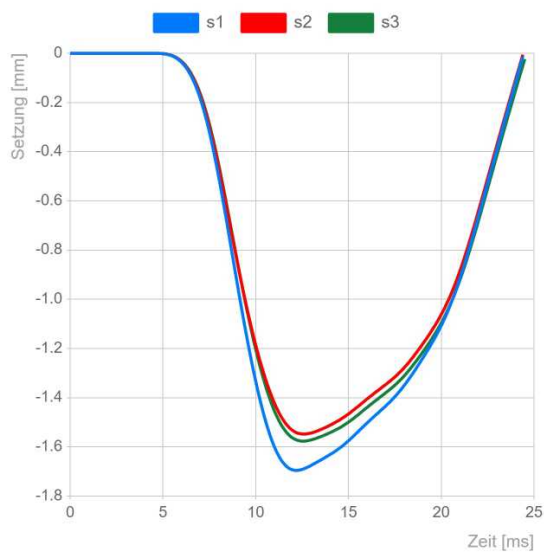
Client
Love Padel Ltd

Number LKC251563
Eton Hill Road, Radcliffe

Record no.
129
Test date
10/17/2025 01:24 PM
Device no.
LFG 12568
Tester
Alexander John Evans

Test surface / layer
MADE GROUND
Temperature / Weather
Overcast
Soil type / class
GRAVEL
Plate base
300

s/t-diagram



Measuring point
WS107 GL

Comments

Impact	s [mm]	v [mm/s]
1	1,696	439,21
2	1,548	386,06
3	1,577	397,20
Ø	1,607	407,49

s/v 3,94 ms
Ev2 28,00 MPa

Evd **14,00 MPa**

Greater Manchester
11/14/2025

Alex Evans

Place, Date

Name

Signature / Stamp



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Dynamic Plate Load Test according to TP BF-StB B 8.3

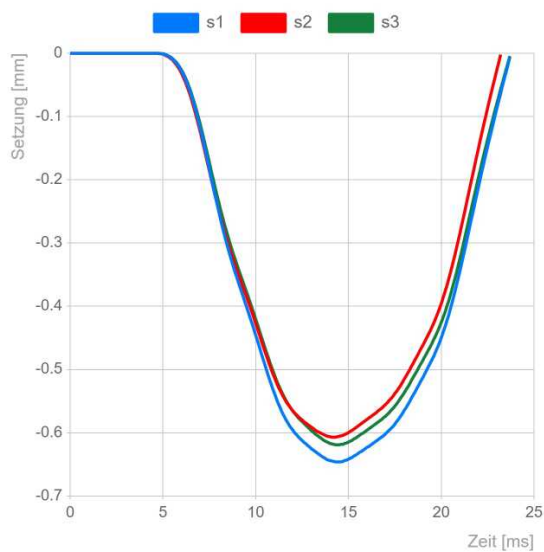
Client
Love Padel Ltd

Number LKC251563
Eton Hill Road, Radcliffe

Record no.
128
Test date
10/17/2025 01:20 PM
Device no.
LFG 12568
Tester
Alexander John Evans

Test surface / layer
MADE GROUND
Temperature / Weather
Overcast
Soil type / class
SAND
Plate base
300

s/t-diagram



Measuring point
WS109 GL

Comments

Impact	s [mm]	v [mm/s]
1	0,646	130,87
2	0,607	122,94
3	0,619	122,43
Ø	0,624	125,41

s/v 4,98 ms
Ev2 72,12 MPa

Evd **36,06 MPa**

Greater Manchester
11/14/2025

Alex Evans

Place, Date

Name

Signature / Stamp



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Dynamic Plate Load Test according to TP BF-StB B 8.3

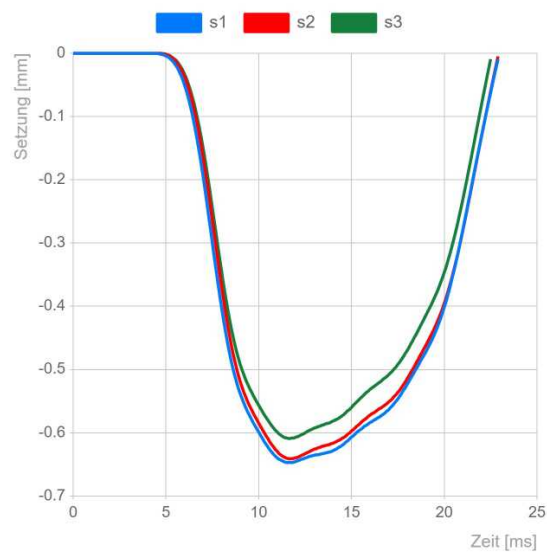
Client
Love Padel Ltd

Number LKC251563
Eton Hill Road, Radcliffe

Record no.
127
Test date
10/17/2025 01:18 PM
Device no.
LFG 12568
Tester
Alexander John Evans

Test surface / layer
MADE GROUND
Temperature / Weather
Overcast
Soil type / class
GRAVEL
Plate base
300

s/t-diagram



Measuring point
WS108 GL

Comments

Impact	s [mm]	v [mm/s]
1	0,647	208,04
2	0,641	206,46
3	0,609	197,27
Ø	0,632	203,92

s/v 3,10 ms
Ev2 71,16 MPa

Evd 35,58 MPa

Greater Manchester
11/14/2025

Alex Evans

Place, Date

Name

Signature / Stamp



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Dynamic Plate Load Test according to TP BF-StB B 8.3

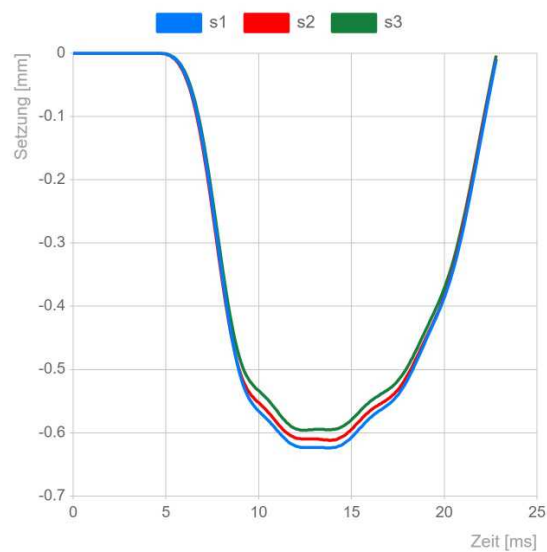
Client
Love Padel Ltd

Number LKC251563
Eton Hill Road, Radcliffe

Record no.
126
Test date
10/17/2025 01:15 PM
Device no.
LFG 12568
Tester
Alexander John Evans

Test surface / layer
MADE GROUND
Temperature / Weather
Overcast
Soil type / class
SAND
Plate base
300

s/t-diagram



Comments

Impact	s [mm]	v [mm/s]
1	0,624	205,34
2	0,612	203,11
3	0,596	198,30
Ø	0,611	202,25

s/v 3,02 ms
Ev2 73,68 MPa

Evd **36,84 MPa**

Greater Manchester
11/14/2025

Alex Evans

Place, Date

Name

Signature / Stamp



LK Group Ltd
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Appendix D – Certificates of Analysis (Soil)

Colin Crompton
LK Consult Limited
Unit 29 Eton Business Park
Eton Hill Road
Manchester
M26 2ZS

Normec DETS Limited
Unit 1
Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Kent
ME17 2JN
t: 01622 850410

DETS Report No: 25-09067

Site Reference: Eton Hill Road, Radcliffe

Project / Job Ref: LKC251563

Order No: PO-C002006

Sample Receipt Date: 23/10/2025

Sample Scheduled Date: 23/10/2025

Report Issue Number: 1

Reporting Date: 31/10/2025

Authorised by:



Steve Knight
Customer Support Manager

Dates of laboratory activities for each tested analyte are available upon request.

Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

For Topsoil and WAC analysis the expanded uncertainty measurement should be considered while evaluating results against compliance values.

Soil Analysis Certificate						
DETS Report No: 25-09067	~Date Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
LK Consult Limited	~Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
~Site Reference: Eton Hill Road, Radcliffe	~TP / BH No	WS105	WS101	WS108	FP102	WS107
~Project / Job Ref: LKC251563	~Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
~Order No: PO-C002006	~Depth (m)	0.30-0.80	0.10-0.50	0.00-0.50	0.30-0.80	0.00-0.50
Reporting Date: 31/10/2025	DETS Sample No	794027	794028	794029	794030	794031

Determinand	Unit	RL	Accreditation	(n)	(n)	(n)	(n)	(n)
Asbestos Screen ^(S)	N/a	N/a	ISO17025	Not Detected	Not Detected	Detected	Detected	Detected
Sample Matrix ^(S)	Material Type	N/a	NONE			Bundles of Amosite fibres	Bundles of Amosite fibres	Bundles of Amosite fibres
Asbestos Type ^(S)	PLM Result	N/a	ISO17025			Amosite	Amosite	Amosite
Asbestos Quantification ^(S)	%	< 0.001	ISO17025			< 0.001	< 0.001	0.001
pH	pH Units	N/a	MCERTS	8.3	7.6	7.7	8.2	5.4
Total Cyanide	mg/kg	< 1	NONE	< 1			< 1	< 1
Free Cyanide	mg/kg	< 1	NONE	< 1			< 1	< 1
W/S Sulphate as SO ₄ (2:1)	mg/l	< 10	MCERTS	169			11	121
W/S Sulphate as SO ₄ (2:1)	g/l	< 0.01	MCERTS	0.17			0.01	0.12
Organic Matter (SOM)	%	< 0.1	MCERTS	18.4			29.3	16.3
W/S Chloride (2:1)	mg/kg	< 1	MCERTS					
W/S Chloride (2:1)	mg/l	< 0.5	MCERTS					
Water Soluble Nitrate (2:1) as NO ₃	mg/kg	< 3	MCERTS					
Water Soluble Nitrate (2:1) as NO ₃	mg/l	< 1.5	MCERTS					
Antimony (Sb)	mg/kg	< 1	NONE		4.6	3.5		
Arsenic (As)	mg/kg	< 2	MCERTS	44	30	12	19	18
Barium (Ba)	mg/kg	< 2.5	MCERTS		149.0	350.4		
W/S Boron	mg/kg	< 1	NONE	< 1			< 1	< 1
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	0.4	1.2	1.4	0.6	0.8
Chromium (Cr)	mg/kg	< 2	MCERTS	17	34	25	19	22
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2
Copper (Cu)	mg/kg	< 4	MCERTS	55	91	74	76	77
Lead (Pb)	mg/kg	< 3	MCERTS	66	135	52	105	71
W/S Magnesium	mg/l	< 0.1	NONE					
Mercury (Hg)	mg/kg	< 1	MCERTS	< 1	< 1	< 1	< 1	< 1
Nickel (Ni)	mg/kg	< 3	MCERTS	25	25	38	34	28
Selenium (Se)	mg/kg	< 2	MCERTS	6.4	< 2	< 2	< 2	< 2
Vanadium (V)	mg/kg	< 1	MCERTS	41			54	
Zinc (Zn)	mg/kg	< 3	MCERTS	100	217	140	316	130
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2			< 2	< 2
TPH - Aromatic >C35 - C40 : EH CU 1D AR	mg/kg	< 10	NONE		< 10	< 10		
Tentative Petroleum Type : EH_1D	N/a	N/a	NONE		Typical of PAHs	No distinct fuel type detected		

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion
Analysis carried out on the dried sample is corrected for the stone content

Soil Analysis Certificate

DETS Report No: 25-09067	~Date Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
LK Consult Limited	~Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
~Site Reference: Eton Hill Road, Radcliffe	~TP / BH No	WS104	WS102	WS109	WS103	WS110
~Project / Job Ref: LKC251563	~Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
~Order No: PO-C002006	~Depth (m)	0.00-0.50	0.07-0.50	0.50-1.00	0.00-0.50	0.80-1.30
Reporting Date: 31/10/2025	DETS Sample No	794032	794033	794034	794035	794036

Determinand	Unit	RL	Accreditation	(n)	(n)	(n)	(n)	(n)
Asbestos Screen ^(S)	N/a	N/a	ISO17025	Not Detected	Detected	Not Detected	Not Detected	Not Detected
Sample Matrix ^(S)	Material Type	N/a	NONE		Bundles of Amosite fibres			
Asbestos Type ^(S)	PLM Result	N/a	ISO17025		Amosite			
Asbestos Quantification ^(S)	%	< 0.001	ISO17025		< 0.001			
pH	pH Units	N/a	MCERTS	8.7	8.7	7.4	8.1	7.1
Total Cyanide	mg/kg	< 1	NONE					
Free Cyanide	mg/kg	< 1	NONE					
W/S Sulphate as SO ₄ (2:1)	mg/l	< 10	MCERTS	14	30	23	72	161
W/S Sulphate as SO ₄ (2:1)	g/l	< 0.01	MCERTS	0.01	0.03	0.02	0.07	0.16
Organic Matter (SOM)	%	< 0.1	MCERTS	2.5	3	2.5	4.3	8.4
W/S Chloride (2:1)	mg/kg	< 1	MCERTS					
W/S Chloride (2:1)	mg/l	< 0.5	MCERTS					
Water Soluble Nitrate (2:1) as NO ₃	mg/kg	< 3	MCERTS					
Water Soluble Nitrate (2:1) as NO ₃	mg/l	< 1.5	MCERTS					
Antimony (Sb)	mg/kg	< 1	NONE					
Arsenic (As)	mg/kg	< 2	MCERTS	4	5	7	9	23
Barium (Ba)	mg/kg	< 2.5	MCERTS					
W/S Boron	mg/kg	< 1	NONE					
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	0.5	< 0.2	0.2	0.3	1.4
Chromium (Cr)	mg/kg	< 2	MCERTS	11	64	10	49	26
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2
Copper (Cu)	mg/kg	< 4	MCERTS	11	13	27	58	90
Lead (Pb)	mg/kg	< 3	MCERTS	43	21	29	50	123
W/S Magnesium	mg/l	< 0.1	NONE					
Mercury (Hg)	mg/kg	< 1	MCERTS	< 1	< 1	< 1	< 1	< 1
Nickel (Ni)	mg/kg	< 3	MCERTS	11	22	9	15	22
Selenium (Se)	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Vanadium (V)	mg/kg	< 1	MCERTS	15	13	13	58	34
Zinc (Zn)	mg/kg	< 3	MCERTS	73	47	45	198	246
Total Phenols (monohydric)	mg/kg	< 2	NONE					
TPH - Aromatic >C35 - C40 : EH CU 1D AR	mg/kg	< 10	NONE					
Tentative Petroleum Type : EH_1D	N/a	N/a	NONE					

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion
Analysis carried out on the dried sample is corrected for the stone content

Soil Analysis Certificate

DETS Report No: 25-09067	~Date Sampled	None Supplied	None Supplied	None Supplied		
LK Consult Limited	~Time Sampled	None Supplied	None Supplied	None Supplied		
~Site Reference: Eton Hill Road, Radcliffe	~TP / BH No	WS105	WS107	HD101		
~Project / Job Ref: LKC251563	~Additional Refs	None Supplied	None Supplied	None Supplied		
~Order No: PO-C002006	~Depth (m)	1.20-1.50	1.50-2.50	0.00-0.50		
Reporting Date: 31/10/2025	DETS Sample No	794037	794038	794039		

Determinand	Unit	RL	Accreditation	(n)	(n)	(n)		
Asbestos Screen ^(S)	N/a	N/a	ISO17025			Detected		
Sample Matrix ^(S)	Material Type	N/a	NONE			Bundles of		
Asbestos Type ^(S)	PLM Result	N/a	ISO17025			Chrysotile fibres		
Asbestos Quantification ^(S)	%	< 0.001	ISO17025			Chrysotile		
pH	pH Units	N/a	MCERTS	7.4	7.0	0.001		
Total Cyanide	mg/kg	< 1	NONE					
Free Cyanide	mg/kg	< 1	NONE					
W/S Sulphate as SO ₄ (2:1)	mg/l	< 10	MCERTS	13	19	34		
W/S Sulphate as SO ₄ (2:1)	g/l	< 0.01	MCERTS	0.01	0.02	0.03		
Organic Matter (SOM)	%	< 0.1	MCERTS			10.8		
W/S Chloride (2:1)	mg/kg	< 1	MCERTS	7	7			
W/S Chloride (2:1)	mg/l	< 0.5	MCERTS	3.6	3.4			
Water Soluble Nitrate (2:1) as NO ₃	mg/kg	< 3	MCERTS	< 3	6			
Water Soluble Nitrate (2:1) as NO ₃	mg/l	< 1.5	MCERTS	< 1.5	3			
Antimony (Sb)	mg/kg	< 1	NONE					
Arsenic (As)	mg/kg	< 2	MCERTS			15		
Barium (Ba)	mg/kg	< 2.5	MCERTS					
W/S Boron	mg/kg	< 1	NONE					
Cadmium (Cd)	mg/kg	< 0.2	MCERTS			1.1		
Chromium (Cr)	mg/kg	< 2	MCERTS			21		
Chromium (hexavalent)	mg/kg	< 2	NONE			< 2		
Copper (Cu)	mg/kg	< 4	MCERTS			65		
Lead (Pb)	mg/kg	< 3	MCERTS			121		
W/S Magnesium	mg/l	< 0.1	NONE	1.6	1.1			
Mercury (Hg)	mg/kg	< 1	MCERTS			< 1		
Nickel (Ni)	mg/kg	< 3	MCERTS			22		
Selenium (Se)	mg/kg	< 2	MCERTS			< 2		
Vanadium (V)	mg/kg	< 1	MCERTS			27		
Zinc (Zn)	mg/kg	< 3	MCERTS			176		
Total Phenols (monohydric)	mg/kg	< 2	NONE					
TPH - Aromatic >C35 - C40 :								
EH CU 1D AR	mg/kg	< 10	NONE					
Tentative Petroleum Type : EH_1D	N/a	N/a	NONE					

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion
Analysis carried out on the dried sample is corrected for the stone content

Soil Analysis Certificate - Speciated PAHs						
DETS Report No: 25-09067	~Date Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
LK Consult Limited	~Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
~Site Reference: Eton Hill Road, Radcliffe	~TP / BH No	WS105	WS101	WS108	FP102	WS107
~Project / Job Ref: LKC251563	~Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
~Order No: PO-C002006	~Depth (m)	0.30-0.80	0.10-0.50	0.00-0.50	0.30-0.80	0.00-0.50
Reporting Date: 31/10/2025	DETS Sample No	794027	794028	794029	794030	794031

Determinand	Unit	RL	Accreditation	(n)	(n)	(n)	(n)	(n)
Naphthalene	mg/kg	< 0.1	MCERTS	1.55	< 0.1	0.18	0.96	< 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	0.17	< 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	0.52	1.13	< 0.1	0.42	< 0.1
Anthracene	mg/kg	< 0.1	MCERTS	< 0.1	0.20	< 0.1	< 0.1	< 0.1
Fluoranthene	mg/kg	< 0.1	MCERTS	0.14	1.52	< 0.1	0.22	< 0.1
Pyrene	mg/kg	< 0.1	MCERTS	0.13	1.36	< 0.1	0.18	< 0.1
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	0.67	< 0.1	< 0.1	< 0.1
Chrysene	mg/kg	< 0.1	MCERTS	< 0.1	0.68	< 0.1	< 0.1	< 0.1
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	0.64	< 0.1	< 0.1	< 0.1
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	0.23	< 0.1	< 0.1	< 0.1
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	0.56	< 0.1	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	0.31	< 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	0.27	< 0.1	< 0.1	< 0.1
**Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	2.3	7.7	< 1.6	1.8	< 1.6

Soil Analysis Certificate - Speciated PAHs

DETS Report No: 25-09067	~Date Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
LK Consult Limited	~Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
~Site Reference: Eton Hill Road, Radcliffe	~TP / BH No	WS104	WS102	WS109	WS103	WS110
~Project / Job Ref: LKC251563	~Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
~Order No: PO-C002006	~Depth (m)	0.00-0.50	0.07-0.50	0.50-1.00	0.00-0.50	0.80-1.30
Reporting Date: 31/10/2025	DETS Sample No	794032	794033	794034	794035	794036

Determinand	Unit	RL	Accreditation	(n)	(n)	(n)	(n)	(n)
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.17	< 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	0.22	< 0.1	< 0.1
Fluorene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.14	< 0.1	< 0.1
Phenanthrene	mg/kg	< 0.1	MCERTS	< 0.1	0.43	1.30	< 0.1	0.31
Anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.23	< 0.1	< 0.1
Fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	0.42	1.80	< 0.1	0.43
Pyrene	mg/kg	< 0.1	MCERTS	< 0.1	0.37	1.58	< 0.1	0.39
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	0.19	0.74	< 0.1	0.20
Chrysene	mg/kg	< 0.1	MCERTS	< 0.1	0.19	0.78	< 0.1	0.18
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	0.16	0.74	< 0.1	0.16
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.24	< 0.1	< 0.1
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	0.14	0.58	< 0.1	0.14
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.29	< 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	0.25	< 0.1	< 0.1
**Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	< 1.6	1.9	9.1	< 1.6	1.8

Soil Analysis Certificate - Speciated PAHs

DETS Report No: 25-09067	~Date Sampled	None Supplied				
LK Consult Limited	~Time Sampled	None Supplied				
~Site Reference: Eton Hill Road, Radcliffe	~TP / BH No	HD101				
~Project / Job Ref: LKC251563	~Additional Refs	None Supplied				
~Order No: PO-C002006	~Depth (m)	0.00-0.50				
Reporting Date: 31/10/2025	DETS Sample No	794039				

Determinand	Unit	RL	Accreditation	(n)				
Naphthalene	mg/kg	< 0.1	MCERTS	0.25				
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	0.22				
Anthracene	mg/kg	< 0.1	MCERTS	< 0.1				
Fluoranthene	mg/kg	< 0.1	MCERTS	0.22				
Pyrene	mg/kg	< 0.1	MCERTS	0.21				
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	0.15				
Chrysene	mg/kg	< 0.1	MCERTS	0.14				
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	0.14				
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1				
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	0.12				
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				

Soil Analysis Certificate - TPH CWG Banded

DETS Report No: 25-09067	~Date Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
LK Consult Limited	~Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
~Site Reference: Eton Hill Road, Radcliffe	~TP / BH No	WS105	WS101	WS108	FP102	WS107
~Project / Job Ref: LKC251563	~Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
~Order No: PO-C002006	~Depth (m)	0.30-0.80	0.10-0.50	0.00-0.50	0.30-0.80	0.00-0.50
Reporting Date: 31/10/2025	DETS Sample No	794027	794028	794029	794030	794031

Determinand	Unit	RL	Accreditation	(n)	(n)	(n)	(n)	(n)
Aliphatic >C5 - C6 : HS 1D MS AL	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C6 - C8 : HS 1D MS AL	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic >C8 - C10 : EH CU 1D AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C10 - C12 : EH CU 1D AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C12 - C16 : EH CU 1D AL	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C16 - C21 : EH CU 1D AL	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C21 - C34 : EH CU 1D AL	mg/kg	< 10	MCERTS	< 10	< 10	< 10	< 10	< 10
Aliphatic >C34 - C40 : EH CU 1D AL	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aliphatic (C5 - C34) : HS 1D MS+EH CU 1D AL	mg/kg	< 21	NONE				< 21	
Aliphatic (C5 - C40) : HS 1D MS+EH CU 1D AL	mg/kg	< 21	NONE		< 21	< 21		
Aliphatic (C5 - C44) : HS 1D MS+EH CU 1D AL	mg/kg	< 21	NONE	< 21			< 21	< 21
Aromatic >C5 - C7 : HS 1D MS AR	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8 : HS 1D MS AR	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10 : EH CU 1D AR	mg/kg	< 2	MCERTS	6	< 2	< 2	5	< 2
Aromatic >C10 - C12 : EH CU 1D AR	mg/kg	< 2	MCERTS	2	< 2	< 2	3	< 2
Aromatic >C12 - C16 : EH CU 1D AR	mg/kg	< 2	MCERTS	11	4	< 2	9	< 2
Aromatic >C16 - C21 : EH CU 1D AR	mg/kg	< 3	MCERTS	7	10	< 3	9	< 3
Aromatic >C21 - C35 : EH CU 1D AR	mg/kg	< 10	MCERTS	< 10	< 10	< 10	< 10	< 10
Aromatic >C35 - C44 : EH CU 1D AR	mg/kg	< 10	NONE	< 10			< 10	< 10
Aromatic (C5 - C35) : HS 1D MS+EH CU 1D AR	mg/kg	< 21	NONE				27	
Aromatic (C5 - C40) : HS 1D MS+EH CU 1D AR	mg/kg	< 21	NONE		< 21	< 21		
Aromatic (C5 - C44) : HS 1D MS+EH CU 1D AR	mg/kg	< 21	NONE	26			27	< 21
Total >C5 - C40 : HS 1D MS+EH CU 1D Tot al	mg/kg	< 42	NONE		< 42	< 42		
Total >C5 - C44 : HS 1D MS+EH CU 1D Tot al	mg/kg	< 42	NONE	< 42			< 42	< 42
Total >C5 - C35 : HS 1D MS+EH CU 1D Tot al	mg/kg	< 42	NONE				< 42	

Soil Analysis Certificate - BTEX / MTBE

DETS Report No: 25-09067	~Date Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
LK Consult Limited	~Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
~Site Reference: Eton Hill Road, Radcliffe	~TP / BH No	WS105	WS101	WS108	FP102	WS107
~Project / Job Ref: LKC251563	~Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
~Order No: PO-C002006	~Depth (m)	0.30-0.80	0.10-0.50	0.00-0.50	0.30-0.80	0.00-0.50
Reporting Date: 31/10/2025	DETS Sample No	794027	794028	794029	794030	794031

Determinand	Unit	RL	Accreditation	(n)	(n)	(n)	(n)	(n)
Benzene : HS 1D MS	µg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Toluene : HS 1D MS	µg/kg	< 5	MCERTS	< 5	< 5	11	< 5	< 5
Ethylbenzene : HS 1D MS	µg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
p & m-xylene : HS 1D MS	µg/kg	< 2	MCERTS	< 2	< 2	7	< 2	< 2
o-xylene : HS 1D MS	µg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
MTBE : HS 1D MS	µg/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5

Soil Analysis Certificate - Volatile Organic Compounds (VOC)

DETS Report No: 25-09067	~Date Sampled	None Supplied	None Supplied			
LK Consult Limited	~Time Sampled	None Supplied	None Supplied			
~Site Reference: Eton Hill Road, Radcliffe	~TP / BH No	FP102	WS107			
~Project / Job Ref: LKC251563	~Additional Refs	None Supplied	None Supplied			
~Order No: PO-C002006	~Depth (m)	0.30-0.80	0.00-0.50			
Reporting Date: 31/10/2025	DETS Sample No	794030	794031			

Determinand	Unit	RL	Accreditation	(n)	(n)			
Dichlorodifluoromethane	µg/kg	< 5	MCERTS	< 5	< 5			
Vinyl Chloride	µg/kg	< 5	MCERTS	< 5	< 5			
Chloromethane	µg/kg	< 10	MCERTS	< 10	< 10			
Chloroethane	µg/kg	< 5	MCERTS	< 5	< 5			
Bromomethane	µg/kg	< 10	MCERTS	< 10	< 10			
Trichlorofluoromethane	µg/kg	< 5	MCERTS	< 5	< 5			
1,1-Dichloroethene	µg/kg	< 5	MCERTS	< 5	< 5			
MTBE	µg/kg	< 5	MCERTS	< 5	< 5			
trans-1,2-Dichloroethene	µg/kg	< 5	MCERTS	< 5	< 5			
1,1-Dichloroethane	µg/kg	< 5	MCERTS	< 5	< 5			
cis-1,2-Dichloroethene	µg/kg	< 5	MCERTS	< 5	< 5			
2,2-Dichloropropane	µg/kg	< 5	MCERTS	< 5	< 5			
Chloroform	µg/kg	< 5	MCERTS	< 5	< 5			
Bromochloromethane	µg/kg	< 5	MCERTS	< 5	< 5			
1,1,1-Trichloroethane	µg/kg	< 5	MCERTS	< 5	< 5			
1,1-Dichloropropene	µg/kg	< 10	MCERTS	< 10	< 10			
Carbon Tetrachloride	µg/kg	< 5	MCERTS	< 5	< 5			
1,2-Dichloroethane	µg/kg	< 5	MCERTS	< 5	< 5			
Benzene	µg/kg	< 2	MCERTS	< 2	< 2			
1,2-Dichloropropane	µg/kg	< 5	MCERTS	< 5	< 5			
Trichloroethene	µg/kg	< 5	MCERTS	< 5	< 5			
Bromodichloromethane	µg/kg	< 5	MCERTS	< 5	< 5			
Dibromomethane	µg/kg	< 5	MCERTS	< 5	< 5			
TAME	µg/kg	< 5	MCERTS	< 5	< 5			
cis-1,3-Dichloropropene	µg/kg	< 5	MCERTS	< 5	< 5			
Toluene	µg/kg	< 5	MCERTS	< 5	< 5			
trans-1,3-Dichloropropene	µg/kg	< 5	MCERTS	< 5	< 5			
1,1,2-Trichloroethane	µg/kg	< 10	MCERTS	< 10	< 10			
1,3-Dichloropropane	µg/kg	< 5	MCERTS	< 5	< 5			
Tetrachloroethene	µg/kg	< 5	MCERTS	< 5	< 5			
Dibromochloromethane	µg/kg	< 5	MCERTS	< 5	< 5			
1,2-Dibromoethane	µg/kg	< 5	MCERTS	< 5	< 5			
Chlorobenzene	µg/kg	< 5	MCERTS	< 5	< 5			
1,1,1,2-Tetrachloroethane	µg/kg	< 5	MCERTS	< 5	< 5			
Ethyl Benzene	µg/kg	< 2	MCERTS	< 2	< 2			
m,p-Xylene	µg/kg	< 2	MCERTS	< 2	< 2			
o-Xylene	µg/kg	< 2	MCERTS	< 2	< 2			
Styrene	µg/kg	< 5	MCERTS	< 5	< 5			
Bromoform	µg/kg	< 10	MCERTS	< 10	< 10			
Isopropylbenzene	µg/kg	< 5	MCERTS	< 5	< 5			
1,1,2,2-Tetrachloroethane	µg/kg	< 5	MCERTS	< 5	< 5			
1,2,3-Trichloropropane	µg/kg	< 5	MCERTS	< 5	< 5			
n-Propylbenzene	µg/kg	< 5	MCERTS	< 5	< 5			
Bromobenzene	µg/kg	< 5	MCERTS	< 5	< 5			
2-Chlorotoluene	µg/kg	< 5	MCERTS	< 5	< 5			
1,3,5-Trimethylbenzene	µg/kg	< 5	MCERTS	< 5	< 5			
4-Chlorotoluene	µg/kg	< 5	MCERTS	< 5	< 5			
tert-Butylbenzene	µg/kg	< 5	MCERTS	< 5	< 5			
1,2,4-Trimethylbenzene	µg/kg	< 5	MCERTS	< 5	< 5			
sec-Butylbenzene	µg/kg	< 5	MCERTS	< 5	< 5			
p-Isopropyltoluene	µg/kg	< 5	MCERTS	< 5	< 5			
1,3-Dichlorobenzene	µg/kg	< 5	MCERTS	< 5	< 5			
1,4-Dichlorobenzene	µg/kg	< 5	MCERTS	< 5	< 5			
n-Butylbenzene	µg/kg	< 5	MCERTS	< 5	< 5			
1,2-Dichlorobenzene	µg/kg	< 5	MCERTS	< 5	< 5			
1,2-Dibromo-3-chloropropane	µg/kg	< 10	MCERTS	< 10	< 10			
Hexachlorobutadiene	µg/kg	< 5	MCERTS	< 5	< 5			

Soil Analysis Certificate - Semi Volatile Organic Compounds (SVOC)					
DETS Report No: 25-09067	~Date Sampled	None Supplied	None Supplied		
LK Consult Limited	~Time Sampled	None Supplied	None Supplied		
~Site Reference: Eton Hill Road, Radcliffe	~TP / BH No	FP102	WS107		
~Project / Job Ref: LKC251563	~Additional Refs	None Supplied	None Supplied		
~Order No: PO-C002006	~Depth (m)	0.30-0.80	0.00-0.50		
Reporting Date: 31/10/2025	DETS Sample No	794030	794031		

Determinand	Unit	RL	Accreditation	(n)	(n)		
Phenol	mg/kg	< 0.1	NONE	< 0.1	< 0.1		
1,2,4-Trichlorobenzene	mg/kg	< 0.1	ISO17025	< 0.1	< 0.1		
2-Nitrophenol	mg/kg	< 0.1	NONE	< 0.1	< 0.1		
Nitrobenzene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1		
0-Cresol	mg/kg	< 0.1	NONE	< 0.1	< 0.1		
bis(2-chloroethoxy)methane	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1		
bis(2-chloroethyl)ether	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1		
2,4-Dichlorophenol	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1		
2-Chlorophenol	mg/kg	< 0.1	ISO17025	< 0.1	< 0.1		
1,3-Dichlorobenzene	mg/kg	< 0.1	ISO17025	< 0.1	< 0.1		
1,4-Dichlorobenzene	mg/kg	< 0.1	ISO17025	< 0.1	< 0.1		
1,2-Dichlorobenzene	mg/kg	< 0.1	ISO17025	< 0.1	< 0.1		
2,4-Dimethylphenol	mg/kg	< 0.15	ISO17025	< 0.15	< 0.15		
Isophorone	mg/kg	< 0.1	NONE	< 0.1	< 0.1		
Hexachloroethane	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1		
p-Cresol	mg/kg	< 0.15	MCERTS	< 0.15	< 0.15		
2,4,6-Trichlorophenol	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1		
2,4,5-Trichlorophenol	mg/kg	< 0.15	MCERTS	< 0.15	< 0.15		
2-Nitroaniline	mg/kg	< 0.1	NONE	< 0.1	< 0.1		
4-Chloro-3-methylphenol	mg/kg	< 0.1	NONE	< 0.1	< 0.1		
2-Methylnaphthalene	mg/kg	< 0.1	MCERTS	0.2	0.2		
Hexachlorocyclopentadiene	mg/kg	< 0.1	NONE	< 0.1	< 0.1		
Hexachlorobutadiene	mg/kg	< 0.1	ISO17025	< 0.1	< 0.1		
2,6-Dinitrotoluene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1		
Dimethyl phthalate	mg/kg	< 0.1	NONE	< 0.1	< 0.1		
2-Chloronaphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1		
4-Chloroaniline	mg/kg	< 0.15	NONE	< 0.15	< 0.15		
4-Nitrophenol	mg/kg	< 0.1	NONE	< 0.1	< 0.1		
4-Chlorophenyl phenyl ether	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1		
3-Nitroaniline	mg/kg	< 0.1	NONE	< 0.1	< 0.1		
4-Nitroaniline	mg/kg	< 0.1	NONE	< 0.1	< 0.1		
4-Bromophenyl phenyl ether	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1		
Hexachlorobenzene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1		
2,4-Dinitrotoluene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1		
Diethyl phthalate	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1		
Dibenzofuran	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1		
Azobenzene	mg/kg	< 0.1	NONE	< 0.1	< 0.1		
Dibutyl phthalate	mg/kg	< 0.1	ISO17025	< 0.1	0.1		
Carbazole	mg/kg	< 0.1	ISO17025	< 0.1	< 0.1		
bis(2-ethylhexyl)phthalate	mg/kg	< 0.15	ISO17025	< 0.15	< 0.15		
Benzyl butyl phthalate	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1		
Di-n-octyl phthalate	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1		

Soil Analysis Certificate - PCB (7 Congeners)						
DETS Report No: 25-09067	~Date Sampled	None Supplied				
LK Consult Limited	~Time Sampled	None Supplied				
~Site Reference: Eton Hill Road, Radcliffe	~TP / BH No	WS107				
~Project / Job Ref: LKC251563	~Additional Refs	None Supplied				
~Order No: PO-C002006	~Depth (m)	0.00-0.50				
Reporting Date: 31/10/2025	DETS Sample No	794031				

Determinand	Unit	RL	Accreditation	(n)				
PCB Congener 28	mg/kg	0.008	NONE	< 0.008				
PCB Congener 52	mg/kg	0.008	NONE	< 0.008				
PCB Congener 101	mg/kg	0.008	NONE	< 0.008				
PCB Congener 118	mg/kg	0.008	NONE	< 0.008				
PCB Congener 138	mg/kg	0.008	NONE	< 0.008				
PCB Congener 153	mg/kg	0.008	NONE	< 0.008				
PCB Congener 180	mg/kg	0.008	NONE	< 0.008				
Total PCB (7 Congeners)	mg/kg	< 0.1	NONE	< 0.1				

Waste Acceptance Criteria Analytical Certificate																																							
DETS Report No: 25-09067		~Date Sampled	None Supplied		<table border="1"> <thead> <tr> <th colspan="3">Landfill Waste Acceptance Criteria Limits</th> </tr> <tr> <th>Inert Waste Landfill</th> <th>Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill</th> <th>Hazardous Waste Landfill</th> </tr> </thead> <tbody> <tr> <td>3%</td> <td>5%</td> <td>6%</td> </tr> <tr> <td>--</td> <td>--</td> <td>10%</td> </tr> <tr> <td>6</td> <td>--</td> <td>--</td> </tr> <tr> <td>1</td> <td>--</td> <td>--</td> </tr> <tr> <td>500</td> <td>--</td> <td>--</td> </tr> <tr> <td>100</td> <td>--</td> <td>--</td> </tr> <tr> <td>--</td> <td>>6</td> <td>--</td> </tr> <tr> <td>--</td> <td>To be evaluated</td> <td>To be evaluated</td> </tr> </tbody> </table>					Landfill Waste Acceptance Criteria Limits			Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill	3%	5%	6%	--	--	10%	6	--	--	1	--	--	500	--	--	100	--	--	--	>6	--	--	To be evaluated	To be evaluated
Landfill Waste Acceptance Criteria Limits																																							
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6	--	--																																					
1	--	--																																					
500	--	--																																					
100	--	--																																					
--	>6	--																																					
--	To be evaluated	To be evaluated																																					
LK Consult Limited		~Time Sampled	None Supplied																																				
~Site Reference: Eton Hill Road, Radcliffe		~TP / BH No	WS101																																				
~Project / Job Ref: LKC251563		~Additional Refs	None Supplied																																				
~Order No: PO-C002006		~Depth (m)	0.10-0.50																																				
Reporting Date: 31/10/2025		DETS Sample No	794028																																				
Determinand	Unit	MDL																																					
TOC ^{MU}	%	< 0.1	5.6																																				
Loss on Ignition ^{MU}	%	< 0.01	5.59																																				
BTEX ^{MU}	mg/kg	< 0.05	< 0.05																																				
Sum of PCBs	mg/kg	< 0.1	< 0.1																																				
Mineral Oil ^{MU}	mg/kg	< 10	< 10																																				
Total PAH ^{MU}	mg/kg	< 1.7	7.9																																				
pH ^{MU}	pH Units	N/A	7.6																																				
Acid Neutralisation Capacity	mol/kg (+/-)	< 1	< 1																																				
Eluate Analysis			10:1			Cumulative 10:1 *	Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg																																
			mg/l			mg/kg	(mg/kg)																																
Arsenic			0.0022			0.022	0.5	2	25																														
Barium			0.0206			0.206	20	100	300																														
Cadmium			< 0.0002			< 0.002	0.04	1	5																														
Chromium			0.0008			0.008	0.5	10	70																														
Copper			0.0041			0.041	2	50	100																														
Mercury			< 0.00004			< 0.0004	0.01	0.2	2																														
Molybdenum			0.0022			0.022	0.5	10	30																														
Nickel			0.0005			0.005	0.4	10	40																														
Lead			0.0005			0.005	0.5	10	50																														
Antimony			< 0.0002			< 0.002	0.06	0.7	5																														
Selenium			0.0003			0.003	0.1	0.5	7																														
Zinc			0.007			0.07	4	50	200																														
Chloride			4.1			41	800	15000	25000																														
Fluoride			< 0.5			< 5	10	150	500																														
Sulphate			2.6			26	1000	20000	50000																														
TDS			76			760	4000	60000	100000																														
Phenol Index			< 0.01			< 0.1	1	-	-																														
DOC			9.1			90.8	500	800	1000																														
Leach Test Information																																							
Sample Mass (kg)			0.10																																				
Dry Matter (%)			86																																				
Moisture (%)			16.4																																				
Stage 1																																							
Volume Eluate L10 (litres)			0.88																																				
Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Samples Descriptions page describes if the test is performed on the dried or as-received portion Stated limits are for guidance only and Normec DETS Limited cannot be held responsible for any discrepancies with current legislation																																							

Waste Acceptance Criteria Analytical Certificate

DETS Report No: 25-09067		~Date Sampled	None Supplied			Landfill Waste Acceptance Criteria Limits																											
LK Consult Limited		~Time Sampled	None Supplied			<table border="1"> <tr> <th>Inert Waste Landfill</th> <th>Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill</th> <th>Hazardous Waste Landfill</th> </tr> <tr> <td>3%</td> <td>5%</td> <td>6%</td> </tr> <tr> <td>--</td> <td>--</td> <td>10%</td> </tr> <tr> <td>6</td> <td>--</td> <td>--</td> </tr> <tr> <td>1</td> <td>--</td> <td>--</td> </tr> <tr> <td>500</td> <td>--</td> <td>--</td> </tr> <tr> <td>100</td> <td>--</td> <td>--</td> </tr> <tr> <td>--</td> <td>>6</td> <td>--</td> </tr> <tr> <td>--</td> <td>To be evaluated</td> <td>To be evaluated</td> </tr> </table>	Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill	3%	5%	6%	--	--	10%	6	--	--	1	--	--	500	--	--	100	--	--	--	>6	--	--	To be evaluated	To be evaluated
Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill																															
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500	--	--																															
100	--	--																															
--	>6	--																															
--	To be evaluated	To be evaluated																															
~Site Reference: Eton Hill Road, Radcliffe		~TP / BH No	WS108																														
~Project / Job Ref: LKC251563		~Additional Refs	None Supplied																														
~Order No: PO-C002006		~Depth (m)	0.00-0.50																														
Reporting Date: 31/10/2025		DETS Sample No	794029																														
Determinand	Unit	MDL																															
TOC ^{MU}	%	< 0.1	12.9																														
Loss on Ignition ^{MU}	%	< 0.01	34.20																														
BTEX ^{MU}	mg/kg	< 0.05	< 0.05																														
Sum of PCBs	mg/kg	< 0.1	< 0.1																														
Mineral Oil ^{MU}	mg/kg	< 10	< 10																														
Total PAH ^{MU}	mg/kg	< 1.7	< 1.7																														
pH ^{MU}	pH Units	N/A	7.7																														
Acid Neutralisation Capacity	mol/kg (+/-)	< 1	1.1																														
Eluate Analysis			10:1			Cumulative 10:1 *	Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg																										
		mg/l			mg/kg																												
Arsenic		0.0012			0.012	0.5	2	25																									
Barium		0.0744			0.745	20	100	300																									
Cadmium		< 0.0002			< 0.002	0.04	1	5																									
Chromium		0.0003			0.003	0.5	10	70																									
Copper		0.0055			0.055	2	50	100																									
Mercury		< 0.00004			< 0.0004	0.01	0.2	2																									
Molybdenum		0.0106			0.106	0.5	10	30																									
Nickel		0.0009			0.009	0.4	10	40																									
Lead		< 0.0002			< 0.002	0.5	10	50																									
Antimony		< 0.0002			< 0.002	0.06	0.7	5																									
Selenium		0.0012			0.012	0.1	0.5	7																									
Zinc		0.015			0.15	4	50	200																									
Chloride		2.6			26	800	15000	25000																									
Fluoride		< 0.5			< 5	10	150	500																									
Sulphate		31.5			315	1000	20000	50000																									
TDS		99			991	4000	60000	100000																									
Phenol Index		< 0.01			< 0.1	1	-	-																									
DOC		5.8			58.2	500	800	1000																									
Leach Test Information																																	
Sample Mass (kg)			0.11																														
Dry Matter (%)			81.4																														
Moisture (%)			22.8																														
Stage 1																																	
Volume Eluate L10 (litres)			0.88																														

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Samples Descriptions page describes if the test is performed on the dried or as-received portion
 Stated limits are for guidance only and Normec DETS Limited cannot be held responsible for any discrepancies with current legislation

Soil Analysis Certificate - Sample Descriptions

DETS Report No: 25-09067	
LK Consult Limited	
~Site Reference: Eton Hill Road, Radcliffe	
~Project / Job Ref: LKC251563	
~Order No: PO-C002006	
Reporting Date: 31/10/2025	

DETS Sample No	~TP / BH No	~Additional Refs	~Depth (m)	Moisture Content (%)	Sample Matrix Description
^ 794027	WS105	None Supplied	0.30-0.80	14	Black sandy gravel with stones
^ 794028	WS101	None Supplied	0.10-0.50	11.8	Brown sandy gravel with stones
^ 794029	WS108	None Supplied	0.00-0.50	18.5	Brown sandy gravel with stones and brick
^ 794030	FP102	None Supplied	0.30-0.80	22.2	Black sandy gravel with stones
^ 794031	WS107	None Supplied	0.00-0.50	19.5	Brown sandy gravel with stones
^ 794032	WS104	None Supplied	0.00-0.50	6.5	Light brown sandy gravel with stones and brick
^ 794033	WS102	None Supplied	0.07-0.50	8.8	Brown sandy gravel with stones
^ 794034	WS109	None Supplied	0.50-1.00	11.9	Brown sandy clay with stones
^ 794035	WS103	None Supplied	0.00-0.50	16.9	Brown sandy gravel with stones and brick
^ 794036	WS110	None Supplied	0.80-1.30	23.8	Black loamy clay with stones
^ 794037	WS105	None Supplied	1.20-1.50	8.4	Light brown sandy gravel with stones
^ 794038	WS107	None Supplied	1.50-2.50	5.8	Light brown sandy gravel with stones
^ 794039	HD101	None Supplied	0.00-0.50	13.4	Brown sandy gravel with stones and vegetation

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

Soil Analysis Certificate - Methodology & Miscellaneous Information
DETS Report No: 25-09067
LK Consult Limited
~Site Reference: Eton Hill Road, Radcliffe
~Project / Job Ref: LKC251563
~Order No: PO-C002006
Reporting Date: 31/10/2025

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Soil	DS	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	DS	Cations	Determination of cations in soil by aqua-regia digestion followed by ICP-OES	E002
Soil	DS	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	DS	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	DS	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	DS	Fluoride - Water Soluble	Determination of Fluoride by extraction with water & analysed by ion chromatography	E009
Soil	DS	Fraction Organic Carbon (FOC)	Determination of TOC by combustion analyser.	E027
Soil	DS	Organic Matter (SOM)	Determination of TOC by combustion analyser.	E027
Soil	DS	TOC (Total Organic Carbon)	Determination of TOC by combustion analyser.	E027
Soil	AR	Exchangeable Ammonium	Determination of ammonium by discrete analyser.	E029
Soil	DS	FOC (Fraction Organic Carbon)	Determination of fraction of organic carbon by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	DS	Loss on Ignition @ 450oC	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	E019
Soil	DS	Magnesium - Water Soluble	Determination of water soluble magnesium by extraction with water followed by ICP-OES	E025
Soil	DS	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	DS	Nitrate - Water Soluble (2:1)	Determination of nitrate by extraction with water & analysed by ion chromatography	E009
Soil	DS	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	DS	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	DS	Phosphate - Water Soluble (2:1)	Determination of phosphate by extraction with water & analysed by ion chromatography	E009
Soil	DS	Sulphate (as SO4) - Total	Determination of total sulphate by extraction with 10% HCl followed by ICP-OES	E013
Soil	DS	Sulphate (as SO4) - Water Soluble (2:1)	Determination of sulphate by extraction with water & analysed by ion chromatography	E009
Soil	DS	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	DS	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	DS	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 (all: 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 (all: 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

Water Analysis Certificate - Methodology & Miscellaneous Information

DETS Report No: 25-09067

LK Consult Limited

~Site Reference: Eton Hill Road, Radcliffe

~Project / Job Ref: LKC251563

~Order No: PO-C002006

Reporting Date: 31/10/2025

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Water	UF	Alkalinity	Determination of alkalinity by titration against hydrochloric acid using bromocresol green as the end point	E103
Water	F	Ammoniacal Nitrogen	Determination of ammoniacal nitrogen by discrete analyser.	E126
Water	UF	BTEX	Determination of BTEX by headspace GC-MS	E101
Water	F	Cations	Determination of cations by filtration followed by ICP-MS	E102
Water	F	Chemical Oxygen Demand (COD)	Determination using a COD reactor followed by colorimetry	E112
Water	UF	Biological Oxygen Demand (BOD)	Determination using BOD sensors measuring the change of pressure	E133
Water	F	Chloride	Determination of chloride by filtration & analysed by ion chromatography	E109
Water	F	Chromium - Hexavalent	Determination of hexavalent chromium by acidification, addition of 1,5 diphenylcarbazide followed by	E116
Water	F	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E115
Water	F	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E115
Water	F	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E115
Water	UF	Cyclohexane Extractable Matter (CEM)	Gravimetrically determined through liquid:liquid extraction with cyclohexane	E111
Water	F	Diesel Range Organics (C10 - C24)	Determination of liquid:liquid extraction with hexane followed by GC-FID	E104
Water	F	Dissolved Organic Content (DOC)	Determination of DOC by filtration followed by low heat with persulphate addition followed by IR dete	E110
Water	UF	Electrical Conductivity	Determination of electrical conductivity by electrometric measurement	E123
Water	F	EPH (C10 - C40)	Determination of liquid:liquid extraction with hexane followed by GC-FID	E104
Water	F	EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)	Determination of liquid:liquid extraction with hexane followed by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS	E104
Water	F	Fluoride	Determination of Fluoride by filtration & analysed by ion chromatography	E109
Water	F	Hardness	Determination of Ca and Mg by ICP-MS followed by calculation	E102
Leachate	F	Leachate Preparation - NRA	Based on National Rivers Authority leaching test 1994	E301
Leachate	F	Leachate Preparation - WAC	Based on BS EN 12457 Pt1, 2, 3	E302
Water	F	Metals	Determination of metals by filtration followed by ICP-MS	E102
Water	F	Mineral Oil (C10 - C40)	Determination of liquid:liquid extraction with hexane followed by GI-FID	E104
Water	F	Nitrate	Determination of nitrate by filtration & analysed by ion chromatography	E109
Water	F	Monohydric Phenol	Determination of phenols by distillation followed by colorimetry	E115
Water	F	PAH - Speciated (EPA 16)	Determination of PAH compounds by concentration through SPE cartridge, collection in dichloromethane followed by GC-MS	E105
Water	F	PCB - 7 Congeners	Determination of PCB compounds by concentration through SPE cartridge, collection in dichloromethane	E108
Water	UF	Petroleum Ether Extract (PEE)	Gravimetrically determined through liquid:liquid extraction with petroleum ether	E111
Water	UF	pH	Determination of pH by electrometric measurement	E107
Water	F	Phosphate	Determination of phosphate by filtration & analysed by ion chromatography	E109
Water	UF	Redox Potential	Determination of redox potential by electrometric measurement	E113
Water	F	Sulphate (as SO4)	Determination of sulphate by filtration & analysed by ion chromatography	E109
Water	UF	Sulphide	Determination of sulphide by distillation followed by colorimetry	E118
Water	F	SVOC	Determination of semi-volatile organic compounds by concentration through SPE cartridge, collection in dichloromethane followed by GC-MS	E106
Water	UF	Toluene Extractable Matter (TEM)	Gravimetrically determined through liquid:liquid extraction with toluene	E111
Water	UF	Total Organic Carbon (TOC)	Acidification, followed by high-temperature oxidation and IR detection.	E110
Water	F	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 liquid:liquid extraction with hexane, fractionating with SPE followed by GC-FID for C8 to C35. C5 to C8 by headspace GC-MS	E104
Water	F	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 liquid:liquid extraction with hexane, fractionating with SPE followed by GC-FID for C8 to C44. C5 to C8 by headspace GC-MS	E104
Water	UF	VOCs	Determination of volatile organic compounds by headspace GC-MS	E101
Water	UF	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E101

List of HWOL Acronyms and Operators
DETS Report No: 25-09067
LK Consult Limited
~Site Reference: Eton Hill Road, Radcliffe
~Project / Job Ref: LKC251563
~Order No: PO-C002006
Reporting Date: 31/10/2025

Acronym	Description
HS	Headspace analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
2D	GC-GC - Double coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative eg. EH+HS_Total or EH_CU+HS_Total
~	Sample details provided by customer and can affect the validity of results

Benzene - HS_1D_MS
Ethylbenzene - HS_1D_MS
MTBE - HS_1D_MS
Mineral Oil (C10 - C40) (BS EN 12457-2) - EH_CU_1D_AL
TPH - Aliphatic >C34 - C44 - raw data - EH_CU_1D_AL
TPH CWG - Aliphatic >C10 - C12 - EH_CU_1D_AL
TPH CWG - Aliphatic >C12 - C16 - EH_CU_1D_AL
TPH CWG - Aliphatic >C16 - C21 - EH_CU_1D_AL
TPH CWG - Aliphatic >C21 - C34 - EH_CU_1D_AL
TPH CWG - Aliphatic >C34 - C44 - EH_CU_1D_AL
TPH CWG - Aliphatic >C5 - C40 - HS_1D_MS+EH_CU_1D_AL
TPH CWG - Aliphatic >C5 - C44 - HS_1D_MS+EH_CU_1D_AL
TPH CWG - Aliphatic >C5 - C6 - HS_1D_MS_AL
TPH CWG - Aliphatic >C6 - C8 - HS_1D_MS_AL
TPH CWG - Aliphatic >C8 - C10 - EH_CU_1D_AL
TPH CWG - Aliphatic C5 - C34 - HS_1D_MS+EH_CU_1D_AL
TPH CWG - Aromatic >C10 - C12 - EH_CU_1D_AR
TPH CWG - Aromatic >C12 - C16 - EH_CU_1D_AR
TPH CWG - Aromatic >C16 - C21 - EH_CU_1D_AR
TPH CWG - Aromatic >C21 - C35 - EH_CU_1D_AR
TPH CWG - Aromatic >C35 - C40 - EH_CU_1D_AR
TPH CWG - Aromatic >C35 - C44 - EH_CU_1D_AR
TPH CWG - Aromatic >C5 - C35 - HS_1D_MS+EH_CU_1D_AR
TPH CWG - Aromatic >C5 - C40 - HS_1D_MS+EH_CU_1D_AR
TPH CWG - Aromatic >C5 - C44 - HS_1D_MS+EH_CU_1D_AR
TPH CWG - Aromatic >C5 - C7 - HS_1D_MS_AR
TPH CWG - Aromatic >C7 - C8 - HS_1D_MS_AR
TPH CWG - Aromatic >C8 - C10 - EH_CU_1D_AR
TPH CWG - Total >C5 - C35 - HS_1D_MS+EH_CU_1D_Total
TPH CWG - Total >C5 - C40 - HS_1D_MS+EH_CU_1D_Total
TPH CWG - Total >C5 - C44 - HS_1D_MS+EH_CU_1D_Total
Tentative Petroleum Type - EH_1D
Toluene - HS_1D_MS
Total BTEX (BS EN 12457-2) - HS_1D_MS_Total
m & p-xylene - HS_1D_MS
o-Xylene - HS_1D_MS

Parameter	Matrix Type	Expanded Uncertainty Measurement	Unit
TOC	Soil	11	%
Loss on Ignition	Soil	24	%
BTEX	Soil	11	%
Sum of PCBs	Soil	30	%
Mineral Oil	Soil	9	%
Total PAH	Soil	17	%
pH	Soil	0.2	Units
Acid Neutralisation Capacity	Soil	18	%
Clay Content	Soil	15	%
Silt Content	Soil	14	%
Sand Content	Soil	13	%
Loss on Ignition	Soil	24	%
pH	Soil	0.2	Units
Carbonate	Soil	12	%
Total Nitrogen	Soil	12	%
Phosphorus (Extractable)	Soil	24	%
Potassium (Extractable)	Soil	20	%
Magnesium (Extractable)	Soil	26	%
Zinc	Soil	26	%
Copper	Soil	24	%
Nickel	Soil	29	%
Available Sodium	Soil	23	%
Available Calcium	Soil	23	%
Electrical Conductivity	Soil	10	%

Normec DETS Limited
Unit 1, Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Maidstone
Kent ME17 2JN
Tel : 01622 850410

Certificate Key

Symbol	Description
F	Filtered sample
UF	Unfiltered sample
D	Dried sample
AR	As received sample
RL	Reporting limit
~	Sample details provided by customer and can affect the validity of results
M/S	Missing Sample
*	The Dutch 10 PAH compounds consist of Naphthalene, Anthracene, Phenanthrene, Fluoranthene, Benz(a)anthracene, Chrysene, Benzo(k)fluoranthene, Benzo(a)pyrene, Benzo(g,h,i)perylene, and Indeno(1,2,3-cd)pyrene
**	Total EPA-16 PAHs consist of the following polycyclic aromatic hydrocarbons: Naphthalene, Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)anthracene, and Benzo(ghi)perylene.
***	Total WAC-17 PAHs consist of the following polycyclic aromatic hydrocarbons: Naphthalene, Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)anthracene, Benzo(ghi)perylene and Coronene.
^	No sampling date provided; unable to confirm if samples are within acceptable holding times
\$	Samples exceeded their recommended holding times
C	Deviation due to exceeded time between Sampling and Receipt
n	Please note that we are MCERTS soil accredited (UK soils only) for sand, loam, and clay, and UKAS accredited for groundwater, tap water, surface water, and generated leachates. Other matrices are outside our scope of accreditation.
S	Subcontracted analysis
M	MCERTS accredited test
U	UKAS accredited test

Appendix E – Certificates of Analysis (Geotechnical)

TEST REPORT

Client LK Consult Ltd

Address Unit 29 Eton Business Park
Eton Hill Road
Radcliffe
Greater Manchester
M26 2ZS

Contract LKC 25 1563 -
Eton Hill Road

Job Number MRN 25007/128
Date of Issue 10 November 2025
Page 1 of 5

Approved Signatories

S J Hutchings, O P Davies

Notes

- 1 All remaining samples and remnants from this contract will be disposed 28 days from the date of this report unless you notify us to the contrary.
- 2 Result certificates, in this report, not bearing a UKAS mark, are not included in our UKAS accreditation schedule.
- 3 Opinions and interpretations expressed herein are outside the scope of our UKAS accreditation.
- 4 Certified that the samples have been examined and tested in accordance with the terms of the contract/order and unless otherwise stated conform to the standards/specifications quoted.
- 5 The results included within the report are representative of the samples submitted for analysis.
- 6 This certificate should not be reproduced, except in full, without the express permission of the laboratory.



Andrew House, Hadfield Street, Dukinfield, Cheshire SK16 4QX Tel: 0161 475 0870
Email: enquiries@murrayrix.com Website: www.murrayrix.com

Also at: London: 020 8523 1999

Murray Rix is the trading name of Murray Rix (Northern) Limited. Registered in England 2878361

TEST CERTIFICATE
PARTICLE SIZE DISTRIBUTION

BS EN ISO 17892-4:2016

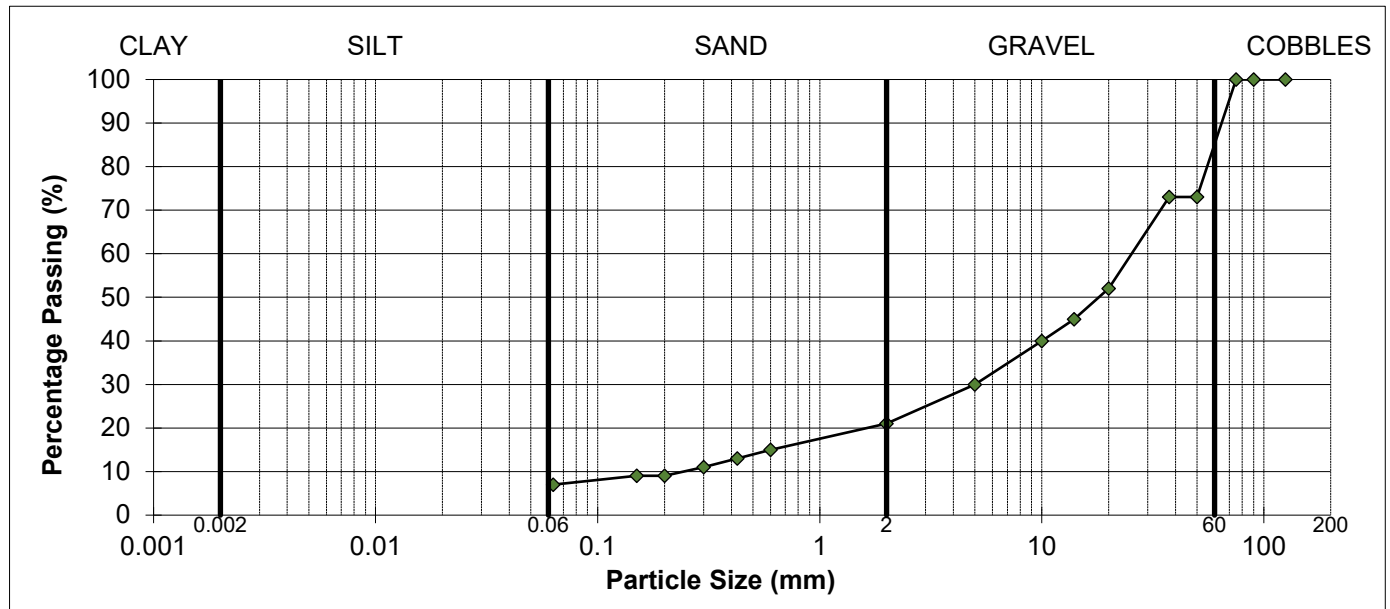
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	LK Consult Ltd
SITE	LKC 25 1563 - Eton Hill Road
JOB NUMBER	MRN 25007/128

SAMPLE LABEL	WS105 1.2-1.5m D	DATE SAMPLED	Not advised
LAB SAMPLE No	5208501	DATE RECEIVED	24-Oct-25
DATE TESTED	28-Oct-25	SAMPLED BY	Client

MATERIAL	Brown silty sandy GRAVEL
ADVISED SOURCE	Site Investigation Sample

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100		5	30	
90	100		2	21	
75	100		0.6	15	
50	73		0.425	13	
37.5	73		0.3	11	
20	52		0.2	9	
14	45		0.15	9	
10	40		0.063	7	



SOIL FRACTIONS			
COBBLES	14%	SAND	14%
GRAVEL	66%	SILT / CLAY	7%
As received water content		5.1%	

REMARKS

SIGNED



NAME

O.P. Davies BA (Hons)
(Director / Head of Laboratory)

DATE

10-Nov-25

TEST CERTIFICATE
PARTICLE SIZE DISTRIBUTION

BS EN ISO 17892-4:2016

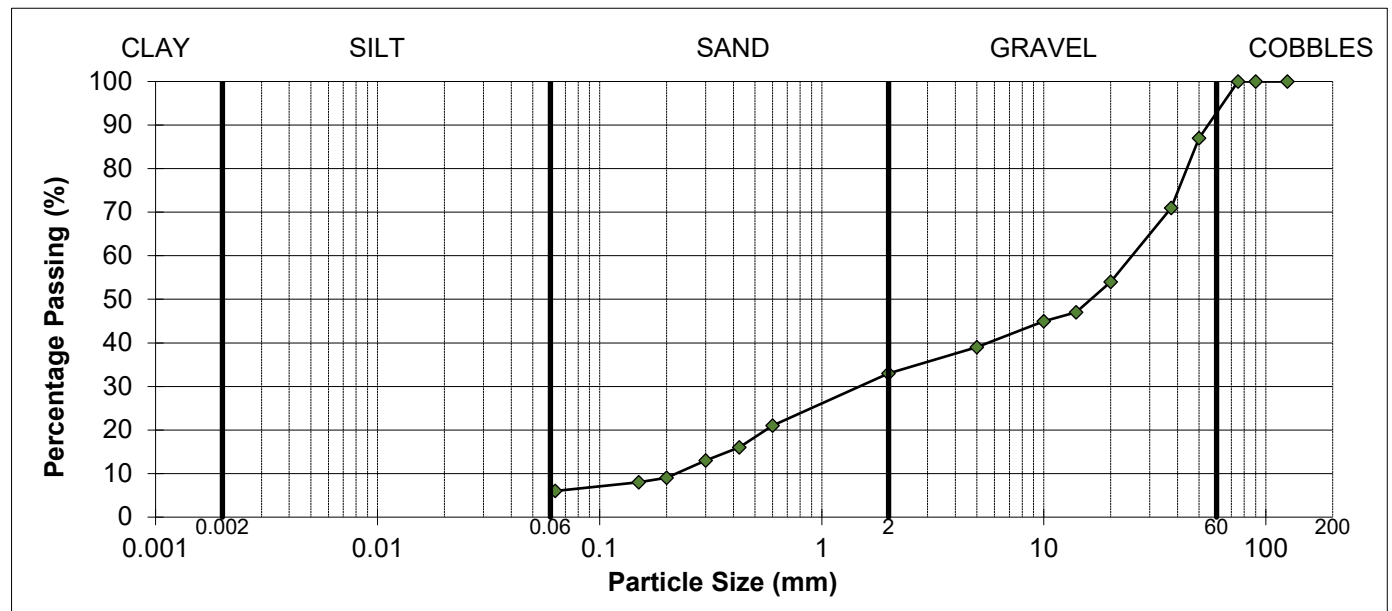
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	LK Consult Ltd
SITE	LKC 25 1563 - Eton Hill Road
JOB NUMBER	MRN 25007/128

SAMPLE LABEL	WS105 2.0-3.0m D	DATE SAMPLED	Not advised
LAB SAMPLE No	5208502	DATE RECEIVED	24-Oct-25
DATE TESTED	28-Oct-25	SAMPLED BY	Client

MATERIAL	Brown silty very sandy GRAVEL
ADVISED SOURCE	Site Investigation Sample

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100		5	39	
90	100		2	33	
75	100		0.6	21	
50	87		0.425	16	
37.5	71		0.3	13	
20	54		0.2	9	
14	47		0.15	8	
10	45		0.063	6	



SOIL FRACTIONS			
COBBLES	7%	SAND	27%
GRAVEL	61%	SILT / CLAY	6%
As received water content		10.5%	

REMARKS

SIGNED



NAME

O.P. Davies BA (Hons)
(Director / Head of Laboratory)

DATE

10-Nov-25

MURRAY RIX

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870



TEST CERTIFICATE

LIQUID LIMIT BS EN ISO 17892-12:2018+A2:2022 Clause 5.3 (30° FALL CONE) 1 POINT METHOD

PLASTIC LIMIT BS EN ISO 17892-12:2018+A2:2022 Clause 5.5

WATER CONTENT METHOD BS EN ISO 17892-1:2014+A1:2022

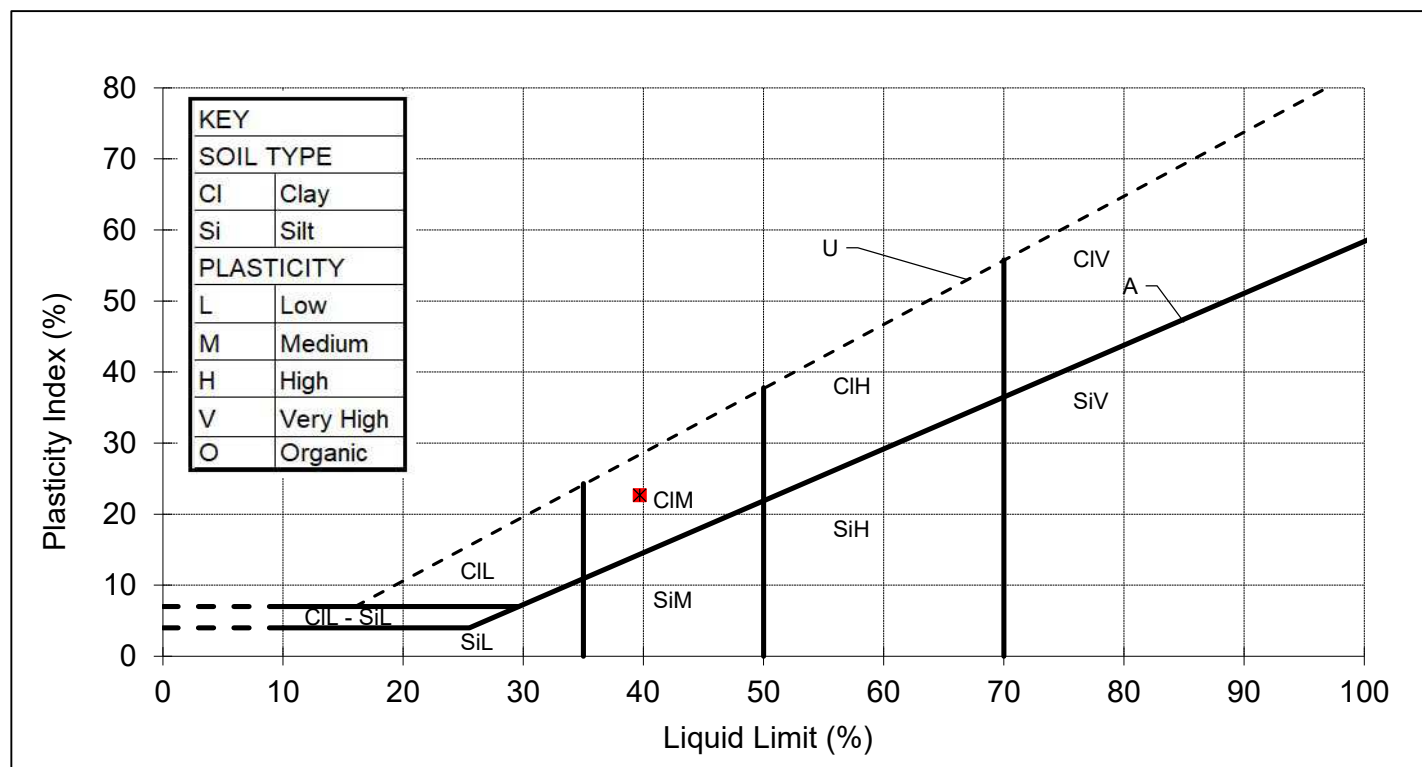
CLIENT	LK Consult Ltd
SITE	LKC 25 1563 - Eton Hill Road
JOB NUMBER	MRN 25007/128

SAMPLE LABEL	WS103 1.0-2.0m D	DATE SAMPLED	Not advised
SAMPLE No.	5208503	DATE RECEIVED	24-Oct-25
DATE TESTED	28-Oct-25	SAMPLED BY	Client

MATERIAL	Brown silty slightly sandy slightly gravelly CLAY		
ADVISED SOURCE	Site Investigation Sample	WATER CONTENT	Increasing
SAMPLE HISTORY	Natural State	% RET. 425um BY	Wet Sieved

Test Readings mm (average)		Water Content %	Correction Factor	Correction factor from Clayton and Jukes 1978
Determination 1 (avg)	18.5	38.6	1.029	
Determination 2 (avg)	18.3	38.5		

Natural Water Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Passing 425 micron (%)
28.2	40	17	23	81



REMARKS

SIGNED

NAME

S.J. Hutchings
(Director)

DATE

10-Nov-25

MURRAY RIX

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870



TEST CERTIFICATE

LIQUID LIMIT BS EN ISO 17892-12:2018+A2:2022 Clause 5.3 (30° FALL CONE) 1 POINT METHOD

PLASTIC LIMIT BS EN ISO 17892-12:2018+A2:2022 Clause 5.5

WATER CONTENT METHOD BS EN ISO 17892-1:2014+A1:2022

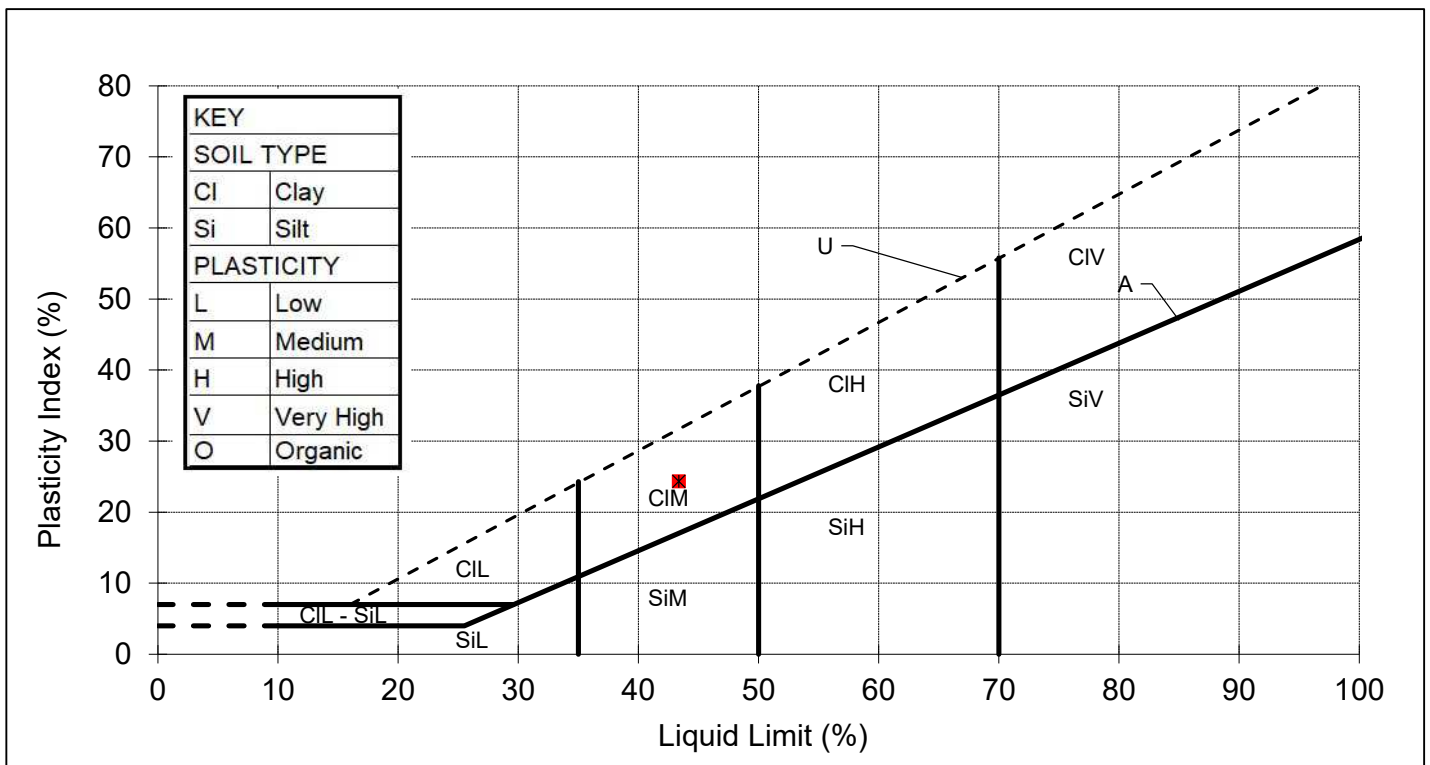
CLIENT	LK Consult Ltd
SITE	LKC 25 1563 - Eton Hill Road
JOB NUMBER	MRN 25007/128

SAMPLE LABEL	WS110 2.5-2.9m D	DATE SAMPLED	Not advised
SAMPLE No.	5208504	DATE RECEIVED	24-Oct-25
DATE TESTED	28-Oct-25	SAMPLED BY	Client

MATERIAL	Brown silty slightly sandy slightly gravelly CLAY		
ADVISED SOURCE	Site Investigation Sample	WATER CONTENT	Increasing
SAMPLE HISTORY	Natural State	% RET. 425um BY	Wet Sieved

Test Readings mm (average)		Water Content %	Correction Factor	Correction factor from Clayton and Jukes 1978
Determination 1 (avg)	19.8	43.2	1.005	
Determination 2 (avg)	19.7	43.1		

Natural Water Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Passing 425 micron (%)
34.2	43	19	24	90



REMARKS

SIGNED

NAME

S.J. Hutchings
(Director)

DATE

10-Nov-25

Appendix F – Generic Assessment Criteria Values

Generic Assessment Criteria Values

Contaminant		SOM	Res +	Res -	Allot.	Comm.	POS _{resi}	POS _{park}	Source
Metals	Inorganic Arsenic	N/A	37	40	49	640	79	168	DEFRA C4SL
	Beryllium	N/A	1.7	1.7	35	12	2.2	63	LQM S4UL
	Boron	N/A	290	11,000	45	240,000	21,000	46,000	LQM S4UL
	Cadmium	N/A	26	149	4.9	410	220	880	DEFRA C4SL
	Chromium (III)	N/A	910	910	18,000	8,600	1,500	33,000	LQM S4UL
	Chromium (VI)	N/A	21.0	21.0	170.0	49	23.0	250	DEFRA C4SL
	Copper	N/A	2,400	7,100	520	68,000	12,000	44,000	LQM S4UL
	Lead	N/A	200	310	80	2,330	630	1,300	DEFRA C4SL
	Elemental Mercury	N/A	1.2	1.2	21	58 (25.8) ^{vap}	16	30 (25.8) ^{vap}	LQM S4UL
	Inorganic Mercury	N/A	40	56	19	1,100	120	240	LQM S4UL
	Methylmercury	N/A	11	15	6.0	320	40	68	LQM S4UL
	Nickel	N/A	130	180	53	980	230	800	LQM S4UL
	Selenium	N/A	250	430	88	12,000	1,100	1,800	LQM S4UL
Polycyclic Aromatic Hydrocarbons (PAHs)	Vanadium	N/A	410	1,200	91	9,000	2,000	5,000	LQM S4UL
	Zinc	N/A	3,700	40,000	620	730,000	81,000	170,000	LQM S4UL
	Acenaphthene	1%	210	3,000 (57.1) ^{sol}	34	84,000 (57.0) ^{sol}	15,000	29,000	LQM S4UL
		2.5%	510	4,700 (141) ^{sol}	85	97,000 (141) ^{sol}	15,000	30,000	LQM S4UL
		6%	1,100	6,000 (336) ^{sol}	200	100,000	15,000	30,000	LQM S4UL
	Acenaphthylene	1%	170	2,900 (86.1) ^{sol}	28	83,000 (86.1) ^{sol}	15,000	29,000	LQM S4UL
		2.5%	420	4,600 (212) ^{sol}	69	97,000 (212) ^{sol}	15,000	30,000	LQM S4UL
		6%	920	6,000 (506) ^{sol}	160	100,000	15,000	30,000	LQM S4UL
	Anthracene	1%	2,400	31,000 (1.17) ^{vap}	380	520,000	74,000	150,000	LQM S4UL
		2.5%	5,400	35,000	950	540,000	74,000	150,000	LQM S4UL
		6%	11,000	37,000	2,200	540,000	74,000	150,000	LQM S4UL
	Benz(a)anthracene	1%	7.2	11	2.9	170	29	49	LQM S4UL
		2.5%	11	14	6.5	170	29	56	LQM S4UL
		6%	13	15	13	180	29	62	LQM S4UL
	Benzo(a)pyrene (only)	1%	5.0	5.3	5.70	77	10.0	21	DEFRA C4SL
		2.5%	5.0	5.3	5.70	77	10.0	21	DEFRA C4SL
		6%	5.0	5.3	5.70	77	10.0	21	DEFRA C4SL
	Benzo(a)pyrene (surrogate marker Coal Tar)	1%	0.8	1.2	0.32	15	2.2	4	LQM S4UL
		2.5%	1.0	1.2	0.67	15	2.2	5	LQM S4UL
		6%	1.1	1.2	1.20	15	2.2	5	LQM S4UL
	Benzo(b)fluoranthene	1%	2.6	3.9	0.99	44	7.1	13	LQM S4UL
		2.5%	3.3	4.0	2.1	44	7.2	15	LQM S4UL
		6%	3.7	4.0	3.9	45	7.2	16	LQM S4UL
	Benzo(ghi)perylene	1%	320	360	290	3,900	640	1,400	LQM S4UL
		2.5%	340	360	470	4,000	640	1,500	LQM S4UL
		6%	350	360	640	4,000	640	1,600	LQM S4UL
	Benzo(k)fluoranthene	1%	77	110	37	1,200	190	370	LQM S4UL
		2.5%	93	110	75	1,200	190	410	LQM S4UL
		6%	100	110	130	1,200	190	440	LQM S4UL
	Chrysene	1%	15	30	4.1	350	57	93	LQM S4UL
		2.5%	22	31	9.4	350	57	110	LQM S4UL
		6%	27	32	19	350	57	120	LQM S4UL
	Dibenzo(ah)anthracene	1%	0.24	0.31	0.14	3.5	0.57	1.1	LQM S4UL
		2.5%	0.28	0.32	0.27	3.6	0.58	1.3	LQM S4UL
		6%	0.3	0.32	0.43	3.6	0.58	1.4	LQM S4UL
	Fluoranthene	1%	280	1,500	52	23,000	3,100	6,300	LQM S4UL
		2.5%	560	1,600	130	23,000	3,100	6,300	LQM S4UL
		6%	890	1,600	290	23,000	3,100	6,400	LQM S4UL
	Fluorene	1%	170	2,800 (36.0) ^{sol}	27	63,000 (30.9) ^{sol}	9,900	20,000	LQM S4UL
		2.5%	400	3,800 (76.5) ^{sol}	67	68,000	9,900	20,000	LQM S4UL
		6%	860	4,500 (183) ^{sol}	160	71,000	9,900	20,000	LQM S4UL
	Indeno(123-cd)pyrene	1%	27	45	9.5	500	82	150	LQM S4UL
		2.5%	36	46	21	510	82	170	LQM S4UL
		6%	41	46	39	510	82	180	LQM S4UL
	Naphthalene	1%	15	15	65	1600 f	11000 f	800 f	C4SL
		2.5%	36	36	130	3700 f	15000 f	1200 f	C4SL
		6%	85	85	200	8400 f	17000 f	1900 f	C4SL
	Phenanthrene	1%	95	1,300 (36.0) ^{sol}	15	22,000	3,100	6,200	LQM S4UL
		2.5%	220	1,500	38	22,000	3,100	6,200	LQM S4UL
		6%	440	1,500	90	22,000	3,100	6,300	LQM S4UL
	Pyrene	1%	620	3,700	110	54,000	7,400	15,000	LQM S4UL
		2.5%	1,200	3,800	270	54,000	7,400	15,000	LQM S4UL
		6%	2,000	3,800	620	54,000	7,400	15,000	LQM S4UL
	Coal Tar (B(a)P as surrogate marker)	1%	0.79	1.2	0.32	15	2.2	4.4	LQM S4UL
		2.5%	0.98	1.2	0.67	15	2.2	4.7	LQM S4UL
		6%	1.1	1.2	1.2	15	2.2	4.8	LQM S4UL

Generic Assessment Criteria Values

Contaminant		SOM	Res +	Res -	Allot.	Comm.	POS _{resi}	POS _{park}	Source
BTEx Compounds	Benzene	1%	0.087	0.38	0.017	27	72	90	LQM S4UL
		2.5%	0.17	0.70	0.034	47	72	100	LQM S4UL
		6%	0.37	1.4	0.075	90	73	110	LQM S4UL
		6%	0.87	3.3	0.180	98	140	230	C4SL
	Toluene	1%	130	880 (869) ^{vap}	22	56,000 (869) ^{vap}	56,000	87,000 (869) ^{vap}	LQM S4UL
		2.5%	290	1,900	51	110,000 (1,920) ^{vap}	56,000	95,000 (1,920) ^{vap}	LQM S4UL
		6%	660	3,900	120	180,000 (4,360) ^{vap}	56,000	100,000 (4,360) ^{vap}	LQM S4UL
	Ethylbenzene	1%	47	83	16	5,700 (518) ^{vap}	24,000	17,000 (518) ^{vap}	LQM S4UL
		2.5%	110	190	39	13,000 (1,220) ^{vap}	24,000	22,000 (1,220) ^{vap}	LQM S4UL
		6%	260	440	91	27,000 (2,840) ^{vap}	25,000	27,000 (2,840) ^{vap}	LQM S4UL
	o-xylene	1%	60	88	28	6,600 (478) ^{sol}	41,000	17,000 (478) ^{sol}	LQM S4UL
		2.5%	140	210	67	15,000 (1,120) ^{sol}	42,000	24,000 (1,120) ^{sol}	LQM S4UL
		6%	330	480	160	33,000 (2,620) ^{sol}	43,000	33,000 (2,620) ^{sol}	LQM S4UL
	m-xylene	1%	59	82	31	6,200 (625) ^{vap}	41,000	17,000 (625) ^{vap}	LQM S4UL
		2.5%	140	190	74	14,000 (1,470) ^{vap}	42,000	24,000 (1,470) ^{vap}	LQM S4UL
		6%	320	450	170	31,000 (3,460) ^{vap}	43,000	32,000 (3,460) ^{vap}	LQM S4UL
	p-xylene	1%	56	79	29	5,900 (576) ^{sol}	41,000	17,000 (576) ^{sol}	LQM S4UL
		2.5%	130	180	69	14,000 (1,350) ^{sol}	42,000	23,000 (1,350) ^{sol}	LQM S4UL
		6%	310	430	160	30,000 (3,170) ^{sol}	43,000	31,000 (3,170) ^{sol}	LQM S4UL
Petroleum Hydrocarbons	Aliphatic								
	EC 5-6	1%	42	42	730	3,200 (304) ^{sol}	570,000(304) ^{sol}	95,000 (304) ^{sol}	LQM S4UL
	EC>6-8	1%	100	100	2,300	7,800 (144) ^{sol}	600,000	150,000 (144) ^{sol}	LQM S4UL
	EC>8-10	1%	27	27	320	2,000 (78) ^{sol}	13,000	14,000 (78) ^{vap}	LQM S4UL
	EC>10-12	1%	130 (48) ^{vap}	130 (48) ^{vap}	2,200	9,700 (48) ^{sol}	13,000	21,000 (48) ^{vap}	LQM S4UL
	EC>12-16	1%	1,100 (24) ^{sol}	1,100 (24) ^{sol}	11,000	59,000 (24) ^{sol}	13,000	25,000 (24) ^{sol}	LQM S4UL
	EC>16-35	1%	65,000 (8.48)	65,000 (8.48) ^{f, sol}	260,000 ^f	160,000 ^f	250,000 ^f	450,000 ^f	LQM S4UL
	EC>35-44	1%	65,000 (8.48)	65,000 (8.48) ^{f, sol}	260,000 ^f	160,000 ^f	250,000 ^f	450,000 ^f	LQM S4UL
	Aliphatic								
	EC 5-6	2.5%	78	78	1,700	5,900 (558) ^{sol}	590,000	130,000 (558) ^{sol}	LQM S4UL
	EC>6-8	2.5%	230	230	5,600	17,000 (322) ^{sol}	610,000	220,000 (322) ^{sol}	LQM S4UL
	EC>8-10	2.5%	65	65	770	4,800 (190) ^{vap}	13,000	18,000 (190) ^{vap}	LQM S4UL
	EC>10-12	2.5%	330 (118) ^{vap}	330 (118) ^{vap}	4,400	23,000 (118) ^{vap}	13,000	23,000 (118) ^{vap}	LQM S4UL
	EC>12-16	2.5%	2,400 (59) ^{sol}	2,400 (59) ^{sol}	13,000	82,000 (59) ^{sol}	13,000	25,000 (59) ^{sol}	LQM S4UL
	EC>16-35	2.5%	92,000 (21)	92,000 (21) ^{f, sol}	270,000 ^f	1,700,000 ^f	250,000 ^f	480,000 ^f	LQM S4UL
	EC>35-44	2.5%	92,000 (21)	92,000 (21) ^{f, sol}	270,000 ^f	1,700,000 ^f	250,000 ^f	480,000 ^f	LQM S4UL
	Aliphatic								
	EC 5-6	6%	160	160	3,900	12,000 (1,150) ^{sol}	600,000	180,000 (1,150) ^{sol}	LQM S4UL
	EC>6-8	6%	530	530	13,000	40,000 (736) ^{sol}	620,000	320,000 (736) ^{sol}	LQM S4UL
	EC>8-10	6%	150	150	1,700	11,000 (451) ^{vap}	13,000	21,000 (451) ^{vap}	LQM S4UL
	EC>10-12	6%	760 (283) ^{vap}	760 (283) ^{vap}	7,300	47,000 (283) ^{vap}	13,000	24,000 (283) ^{vap}	LQM S4UL
	EC>12-16	6%	4,300 (142) ^{sol}	4,400 (142) ^{sol}	13,000	90,000 (142) ^{sol}	13,000	26,000 (142) ^{sol}	LQM S4UL
	EC>16-35	6%	110,000 ^f	110,000 ^f	270,000 ^f	1,800,000 ^f	250,000 ^f	490,000 ^f	LQM S4UL
	EC>35-44	6%	110,000 ^f	110,000 ^f	270,000 ^f	1,800,000 ^f	250,000 ^f	490,000 ^f	LQM S4UL
	Aromatic								
	EC5-7(benzene as non-	1%	70	370	13	26,000 (1,220) ^{sol}	56,000	76,000 (1,220) ^{sol}	LQM S4UL
	EC>7-8(toluene)	1%	130	860	22	56,000 (869) ^{vap}	56,000	87,000 (869) ^{vap}	LQM S4UL
	EC>8-10	1%	34	47	8.6	3,500 (613) ^{vap}	5,000	7,200 (613) ^{vap}	LQM S4UL
	EC>10-12	1%	74	250	13	16,000 (364) ^{sol}	5,000	9,200 (364) ^{sol}	LQM S4UL
	EC>12-16	1%	140	1,800	23	36,000 (169) ^{sol}	5,100	10,000	LQM S4UL
	EC>16-21	1%	260 ^f	1,900 ^f	46 ^f	28,000 ^f	3,800 ^f	7,600 ^f	LQM S4UL
	EC>21-35	1%	1,100 ^f	1,900 ^f	370 ^f	28,000 ^f	3,800 ^f	7,800 ^f	LQM S4UL
	EC>35-44	1%	1,100 ^f	1,900 ^f	370 ^f	28,000 ^f	3,800 ^f	7,800 ^f	LQM S4UL
	Aromatic								
	EC5-7(benzene as non-	2.5%	140	690	27	46,000 (2,260) ^{sol}	56,000	84,000 (2,260) ^{sol}	LQM S4UL
	EC>7-8(toluene)	2.5%	290	1,800	51	110,000 (1,920) ^{sol}	56,000	95,000 (1,920) ^{sol}	LQM S4UL
	EC>8-10	2.5%	83	110	21	8,100 (1,500) ^{vap}	5,000	8,500 (1,500) ^{vap}	LQM S4UL
	EC>10-12	2.5%	180	590	31	28,000 (899) ^{sol}	5,000	9,700 (899) ^{sol}	LQM S4UL
	EC>12-16	2.5%	330	2,300 (419) ^{sol}	57	37,000	5,100	10,000	LQM S4UL
	EC>16-21	2.5%	540 ^f	1,900 ^f	110 ^f	28,000 ^f	3,800 ^f	7,700 ^f	LQM S4UL
	EC>21-35	2.5%	1,500 ^f	1,900 ^f	820 ^f	28,000 ^f	3,800 ^f	7,800 ^f	LQM S4UL
	EC>35-44	2.5%	1,500 ^f	1,900 ^f	820 ^f	28,000 ^f	3,800 ^f	7,800 ^f	LQM S4UL
	Aromatic								
	EC5-7(benzene as non-	6%	300	1,400	57	86,000 (4,710) ^{sol}	56,000	92,000 (4,710) ^{sol}	LQM S4UL
	EC>7-8(toluene)	6%	660	3,900	120	180,000 (4,360) ^{vap}	56,000	100,000 (4,360) ^{vap}	LQM S4UL
	EC>8-10	6%	190	270	51	17,000 (3,580) ^{vap}	5,000	9,300 (3,580) ^{vap}	LQM S4UL
	EC>10-12	6%	380	1,200	4	34,000 (2,150) ^{sol}	5,000	10,000	LQM S4UL
	EC>12-16	6%	660	2,500	130	38,000	5,100	10,000	LQM S4UL
	EC>16-21	6%	930 ^f	1,900 ^f	260 ^f	28,000 ^f	3,800 ^f	7,800 ^f	LQM S4UL
	EC>21-35	6%	1,700 ^f	1,900 ^f	1,600 ^f	28,000 ^f	3,800 ^f	7,900 ^f	LQM S4UL
	EC>35-44	6%	1,700 ^f	1,900 ^f	1,600 ^f	28,000 ^f	3,800 ^f	7,900 ^f	LQM S4UL
	Aliphatic +Aromatic >EC44	1%	1,600 ^f	1,900 ^f	1,200 ^f	28,000 ^f	3,800 ^f	7,800 ^f	LQM S4UL
		2.5%	1,800 ^f	1,900 ^f	2,100 ^f	28,000 ^f	3,800 ^f	7,800 ^f	LQM S4UL
		6%	1,900 ^f	1,900 ^f	3,000 ^f	28,000 ^f	3,800 ^f	7,900 ^f	LQM S4UL

Generic Assessment Criteria Values

Contaminant		SOM	Res +	Res -	Allot.	Comm.	POS _{resi}	POS _{park}	Source
Chloalkanes and Alkenes & Explosives	1,2 Dichloroethane (DCA)	1%	0.11	0.16	0.05	12.0	300	300	DEFRA C4SL
		2.5%	0.18	0.24	0.10	17.0	310	330	DEFRA C4SL
		6%	0.31	0.41	0.19	29.0	310	330	DEFRA C4SL
	1,1,1 Trichloroethane (TCA)	1%	8.8	9.0	48	660	140,000	57,000 (1,425) ^{vap}	LQM S4UL
		2.5%	18	18	110	1,300	140,000	76,000 (2,915) ^{vap}	LQM S4UL
		6%	39	40	240	3,000	140,000	100,000 (6,392)	LQM S4UL
	1,1,2,2-Tetrachloroethanes (PCA)	1%	1.6	3.9	0.41	270	1,400	1,800	LQM S4UL
		2.5%	3.4	8.0	0.89	550	1,400	2,100	LQM S4UL
		6%	7.5	17	2.0	1,100	1,400	2,300	LQM S4UL
	1,1,1,2-Tetrachloroethanes (PCA)	1%	1.2	1.5	0.79	110	1,400	1,500	LQM S4UL
		2.5%	2.8	3.5	1.9	250	1,400	1,800	LQM S4UL
		6%	6.4	8.2	4.4	560	1,400	2,100	LQM S4UL
	Tetrachloroethene (PCE)	1%	0.31	0.32	2.00	24	3,200	1400	DEFRA C4SL
		2.5%	0.70	0.71	4.8	55	3,300	1900	DEFRA C4SL
		6%	1.60	1.60	11.0	130	3,400	2,500	DEFRA C4SL
	Tetrachloromethane (carbon tetrachloride)	1%	0.03	0.03	0.45	2.9	890	190	LQM S4UL
		2.5%	0.06	0.06	1.0	6.3	920	270	LQM S4UL
		6%	0.13	0.13	2.4	14	950	400	LQM S4UL
	Trichloroethene (TCE)	1%	0.009	0.010	0.032	0.7	76.0	41.0	DEFRA C4SL
		2.5%	0.020	0.020	0.072	1.5	78.0	51.0	DEFRA C4SL
		6%	0.043	0.045	0.160	3.4	79.0	69.0	DEFRA C4SL
	cis 1,2-dichloroethene	1%	0.46	0.50	0.890	38	3,800	2,000	DEFRA C4SL
		2.5%	0.78	0.84	1.70	64	3,800	2,400	DEFRA C4SL
		6%	1.50	1.60	3.60	120	3,900	3,100	DEFRA C4SL
	Trichloromethane (chloroform)	1%	0.91	1.2	0.42	99	2,500	2,600	LQM S4UL
		2.5%	1.7	2.1	0.83	170	2,500	2,800	LQM S4UL
		6%	3.4	4.2	1.7	350	2,500	3,100	LQM S4UL
	Trans-1,2 Dichloroethene	1%	0.9	0.9	3.7	69	13,000	5,600	DEFRA C4SL
		2.5%	1.6	1.7	7.5	120	13,000	7,000	DEFRA C4SL
		6%	3.3	3.4	16.0	260	13,000	9,100	DEFRA C4SL
	Chloroethene (vinyl chloride)	1%	0.006	0.015	0.0017	1.1E+00	7.8	18.0	DEFRA C4SL
		2.5%	0.010	0.019	0.0031	1.4E+00	7.8	19.0	DEFRA C4SL
		6%	0.017	0.029	0.0058	2.20	7.8	19.0	DEFRA C4SL
	2,4,6-Trinitrotoluene (TNT)	1%	1.6	65	0.24	1,000	130	260	LQM S4UL
		2.5%	3.7	66	0.58	1,000	130	270	LQM S4UL
		6%	8.1	66	1.4	1,000	130	270	LQM S4UL
	RDX	1%	120	13,000	17	210,000	26,000	49,000 (18.7) ^{sol}	LQM S4UL
		2.5%	250	13,000	38	210,000	26,000	51,000	LQM S4UL
		6%	540	13,000	85	210,000	27,000	53,000	LQM S4UL
	HMX	1%	5.7	6,700	0.86	110,000	13,000	23,000 (0.35) ^{vap}	LQM S4UL
		2.5%	13	6,700	1.9	110,000	13,000	23,000 (0.39) ^{vap}	LQM S4UL
		6%	26	6,700	3.9	110,000	13,000	24,000 (0.48) ^{vap}	LQM S4UL
Pesticides	Aldrin	1%	5.7	7.3	3.2	170	18	30	LQM S4UL
		2.5%	6.6	7.4	6.1	170	18	31	LQM S4UL
		6%	7.1	7.5	9.8	170	18	31	LQM S4UL
	Dieldrin	1%	0.97	7.0	0.17	170	18	30	LQM S4UL
		2.5%	2.0	7.3	0.41	170	18	30	LQM S4UL
		6%	3.5	7.4	0.96	170	18	31	LQM S4UL
	Atrazine	1%	3.3	610	0.5	9,300	1,200	2,300	LQM S4UL
		2.5%	7.8	620	1.2	9,400	1,200	2,400	LQM S4UL
		6%	17.4	620	2.7	9,400	1,200	2,400	LQM S4UL
	Dichlorvos	1%	3.2E-02	6.4	4.9E-03	140	16	26	LQM S4UL
		2.5%	6.6E-02	6.5	1.0E-02	140	16	26	LQM S4UL
		6%	0.14	6.6	2.2E-02	140	16	27	LQM S4UL
	Endosulfanns (2 isomers)	1%	7.4	160 (3.0E-03) ^{vap}	1.2	5,600 (3.0E-03) ^{vap}	1,200	2,300	LQM S4UL
		2.5%	18	280 (7.0E-03) ^{vap}	2.9	7,400 (7.0E-03) ^{vap}	1,200	2,400	LQM S4UL
		6%	41	410 (1.6E-02) ^{vap}	6.8	8,400 (1.6E-02) ^{vap}	1,200	2,500	LQM S4UL
	Hexachlorocyclohexane (3 isomers), inc Lindane	1%	8.5E-02	3.7	1.3E-02	65	8.1	15	LQM S4UL
		2.5%	0.2	3.8	3.2E-02	65	8.1	15	LQM S4UL
		6%	0.46	3.8	7.7E-02	65	8.1	16	LQM S4UL
Chlorobenzenes	Chlorobenzene	1%	0.46	0.46	5.9	56	11,000	1,300 (675) ^{sol}	LQM S4UL
		2.5%	1.0	1.0	14	130	13,000	2,000 (1,520) ^{sol}	LQM S4UL
		6%	2.4	2.4	32	290	14,000	2,900	LQM S4UL
	Dichlorobenzenes (3 isomers)	1%	23	24	94	2,000 (571) ^{sol}	90,000	24,000 (571) ^{sol}	LQM S4UL
		2.5%	55	57	230	4,800 (1,370) ^{sol}	95,000	36,000 (1,370) ^{sol}	LQM S4UL
		6%	130	130	540	11,000 (3,240) ^{sol}	98,000	51,000 (3,270) ^{sol}	LQM S4UL
	Trichlorobenzenes (3 isomers)	1%	2.6	2.6	55	220	15,000	1,700 (318) ^{vap}	LQM S4UL
		2.5%	6.4	6.4	140	530	17,000	2,600 (786) ^{vap}	LQM S4UL
		6%	15	15	320	1,300	19,000	4,000 (1,880) ^{vap}	LQM S4UL
	Tetrachlorobenzenes (3 isomers)	1%	0.66	0.75	0.38	49 (39.4) ^{vap}	78	110 (39) ^{vap}	LQM S4UL
		2.5%	1.6	1.9	0.90	120 (98.1) ^{vap}	79	120	LQM S4UL
		6%	3.7	4.3	2.2	240 (235) ^{vap}	79	130	LQM S4UL
	Pentachlorobenzene	1%	5.8	19	1.2	640 (43.0) ^{sol}	100	190	LQM S4UL
		2.5%	12	30	3.1	770 (107) ^{sol}	100	190	LQM S4UL
		6%	22	38	7.0	830	100	190	LQM S4UL
	Hexachlorobenzene	1%	1.8 (0.20) ^{vap}	4.1 (0.20) ^{vap}	0.47	110 (0.20) ^{vap}	16	30	LQM S4UL
		2.5%	3.3 (0.50) ^{vap}	5.7 (0.50) ^{vap}	1.1	120	16	30	LQM S4UL
		6%	4.9	6.7 (1.2) ^{vap}	2.5	120	16	30	LQM S4UL

Generic Assessment Criteria Values

Contaminant		SOM	Res +	Res -	Allot.	Comm.	POS _{resi}	POS _{park}	Source
Chlorophenol	Chlorophenols (4 congeners)	1%	0.87 ^g	94	0.13 ^g	3,500	620	1,100	LQM S4UL
		2.5%	2.0	150	0.30	4,000	620	1,100	LQM S4UL
		6%	4.5	210	0.70	4,300	620	1,100	LQM S4UL
	Pentachlorophenol	1%	0.22	27 (16.4) ^{vap}	3.0E-02	400	60	110	LQM S4UL
		2.5%	0.52	29	8.0E-02	400	60	120	LQM S4UL
		6%	1.2	31	0.19	400	60	120	LQM S4UL
Others	Carbon Disulphide	1%	0.14	0.14	4.8	11	11,000	1,300	LQM S4UL
		2.5%	0.29	0.29	10	22	11,000	1,900	LQM S4UL
		6%	0.62	0.62	23	47	11,000	2,700	LQM S4UL
	Hexachlorobutadiene	1%	0.29	0.32	0.25	31	25	48	LQM S4UL
		2.5%	0.7	0.78	0.61	66	25	50	LQM S4UL
		6%	1.6	1.8	1.4	120	25	51	LQM S4UL
	Phenol	1%	120	440 (460)	23	440 ^{dir} (26,000)	440 ^{dir} (10,000)	440 ^{dir} (7,600)	LQM S4UL
		2.5%	200	690	42	690 ^{dir} (30,000)	690 ^{dir} (10,000)	690 ^{dir} (8,300)	LQM S4UL
		6%	380	1,200	83	1,300 ^{dir} (34,000)	1,300 ^{dir} (10,000)	1,300 ^{dir} (9,300)	LQM S4UL

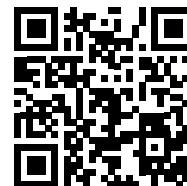
sol/vap = solubility/vapour limit (potentially use if free product identified, although highly conservative)
f=naphthalene is based on comparison of inhalation exposure with TDI(inhal) for localised effect
f = oral, dermal and inhalation exposures compared to oral HCV
dir = S4ULs based on threshold protective of direct skin contact with phenol)brackets long term exposure for illustration purposes)
g = derived based on 2,3,4-tetrachlorophenol

Appendix G – HazWasteOnline™ Output Sheets

Waste Classification Report

HazWasteOnline™ classifies waste as either **hazardous** or **non-hazardous** based on its chemical composition, related legislation and the rules and data defined in the current UK or EU technical guidance (Appendix C) (note that HP 9 Infectious is not assessed). It is the responsibility of the classifier named below to:

- understand the origin of the waste
- select the correct List of Waste code(s)
- confirm that the list of determinands, results and sampling plan are fit for purpose
- select and justify the chosen metal species (Appendix B)
- correctly apply moisture correction and other available corrections
- add the meta data for their user-defined substances (Appendix A)
- check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)



JMIPP-US0IM-T6SAU

To aid the reviewer, the laboratory results, assumptions and justifications managed by the classifier are highlighted in pale yellow.

Report is invalid if pages are removed.

Job name

LKC251563

Description/Comments

Project

LKC251563

Site

Eton Hill Road, Radcliffe

Classified by

Name: **Colin Crompton**
Date: **20 Nov 2025 15:28 GMT**
Telephone: **0161 763 7200**
Company: **LK Group**
Unit 29, Eton Business Park
Eton Hill Rd, Radcliffe
Greater Manchester
M26 2ZS

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

HazWasteOnline™ Certification:

CERTIFIED

Course

Hazardous Waste Classification
Most recent 3 year Refresher

Date

08 Oct 2020
05 Dec 2023

Next 3 year Refresher due by Dec 2026

Purpose of classification

2 - Material Characterisation

Address of the waste

Eton Hill Road, Radcliffe

Post Code **M26 2ZT**

SIC for the process giving rise to the waste

41201 Construction of commercial buildings

Description of industry/producer giving rise to the waste

Redevelopment of site for leisure use

Description of the specific process, sub-process and/or activity that created the waste

Waste created during enabling and development works

Description of the waste

Made ground including demolition materials and ash and clinker

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS105-0.30-0.80-	0.30-0.80	Non Hazardous		3
2	WS101-0.10-0.50-	0.10-0.50	Non Hazardous		6
3	WS108-0.00-0.50-	0.00-0.50	Non Hazardous		9
4	FP102-0.30-0.80-	0.30-0.80	Non Hazardous		12
5	WS107-0.00-0.50-	0.00-0.50	Non Hazardous		18
6	WS104-0.00-0.50-	0.00-0.50	Non Hazardous		24
7	WS102-0.07-0.50-	0.07-0.50	Non Hazardous		26
8	WS109-0.50-1.00-	0.50-1.00	Non Hazardous		28
9	WS103-0.00-0.50-	0.00-0.50	Non Hazardous		30
10	WS110-0.80-1.30-	0.80-1.30	Non Hazardous		32
11	WS105-1.20-1.50-	1.20-1.50	Non Hazardous		34
12	WS107-1.50-2.50-	1.50-2.50	Non Hazardous		35
13	HD101-0.00-0.50-	0.00-0.50	Non Hazardous		36

Related documents

#	Name	Description
1	25-09067.1.hwol	DETS South .hwol file used to populate the Job

Report

Created by: Colin Crompton

Created date: 20 Nov 2025 15:28 GMT

Appendices

	Page
Appendix A: Classifier defined and non GB MCL determinands	38
Appendix B: Rationale for selection of metal species	42
Appendix C: Version	43

Classification of sample: WS105-0.30-0.80-

 **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
WS105-0.30-0.80-	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.30-0.80 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
14%	
(wet weight correction)	

Hazard properties

None identified

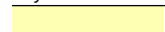
Determinands

Moisture content: 14% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH				8.3 pH		8.3 pH	8.3 pH		
2	chromium in Cr(VI) compounds { chromium(VI) oxide }				<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
3	monohydric phenols				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
			P1186							
4	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
5	boron { diboron trioxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
6	toluene				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
7	ethylbenzene				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
8	benzene				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
9	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
10	chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
11	benzo[b]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
12	benzo[k]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
13	benzo[a]pyrene; benzo[def]chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
14	indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5							
15	dibenz[a,h]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-041-00-2	200-181-8	53-70-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
16	benzo[ghi]perylene	205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
17	acenaphthylene	205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
18	acenaphthene	201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
19	fluorene	201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
20	phenanthrene	201-581-5	85-01-8		0.52 mg/kg		0.447 mg/kg	0.0000447 %	✓		
21	anthracene	204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
22	fluoranthene	205-912-4	206-44-0		0.14 mg/kg		0.12 mg/kg	0.000012 %	✓		
23	pyrene	204-927-3	129-00-0		0.13 mg/kg		0.112 mg/kg	0.0000112 %	✓		
24	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
25	naphthalene	601-052-00-2	202-049-5	91-20-3	1.55 mg/kg		1.333 mg/kg	0.000133 %	✓		
26	arsenic { arsenic compounds, with the exception of those specified elsewhere in this Annex }	033-002-00-5			44 mg/kg		37.84 mg/kg	0.00378 %	✓		
27	cadmium (non-pyrophoric); [1] cadmium oxide (non-pyrophoric) [2]	048-002-00-0	231-152-8 [1] 215-146-2 [2]	7440-43-9 [1] 1306-19-0 [2]	0.4 mg/kg		0.344 mg/kg	0.0000344 %	✓		
28	dicopper oxide; copper (I) oxide	029-002-00-X	215-270-7	1317-39-1	55 mg/kg		47.3 mg/kg	0.00473 %	✓		
29	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			66 mg/kg		56.76 mg/kg	0.00568 %	✓		
30	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
31	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]	25 mg/kg	1.273	27.361 mg/kg	0.00274 %	✓		
32	selenium { selenium compounds with the exception of cadmium selenosulfide and those specified elsewhere in this Annex }	034-002-00-8			6.4 mg/kg	1.405	7.733 mg/kg	0.000773 %	✓		
33	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2	100 mg/kg	1.245	107.045 mg/kg	0.0107 %	✓		
34	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1	41 mg/kg	1.785	62.946 mg/kg	0.00629 %	✓		
35	TPH (C6 to C40) petroleum group		TPH		<42 mg/kg		<42 mg/kg	<0.0042 %			<LOD
36	o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]	<4 µg/kg		<0.004 mg/kg	<0.0000004 %			<LOD
37	chromium in Cr(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9	17 mg/kg	1.462	21.368 mg/kg	0.00214 %	✓		
Total:									0.0371 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS101-0.10-0.50-

 **Non Hazardous Waste**
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample name:	LoW Code:
WS101-0.10-0.50-	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.10-0.50 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
11.8%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 11.8% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH		PH		7.6 pH		7.6 pH	7.6 pH		
2	chromium in Cr(VI) compounds { chromium(VI) oxide }				<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
3	toluene				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
4	ethylbenzene				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
5	benzene				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
6	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
7	chrysene				0.68 mg/kg		0.6 mg/kg	0.00006 %	✓	
	601-048-00-0	205-923-4	218-01-9							
8	benzo[b]fluoranthene				0.64 mg/kg		0.564 mg/kg	0.0000564 %	✓	
	601-034-00-4	205-911-9	205-99-2							
9	benzo[k]fluoranthene				0.23 mg/kg		0.203 mg/kg	0.0000203 %	✓	
	601-036-00-5	205-916-6	207-08-9							
10	benzo[a]pyrene; benzo[def]chrysene				0.56 mg/kg		0.494 mg/kg	0.0000494 %	✓	
	601-032-00-3	200-028-5	50-32-8							
11	indeno[123-cd]pyrene				0.31 mg/kg		0.273 mg/kg	0.0000273 %	✓	
		205-893-2	193-39-5							
12	dibenz[a,h]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
13	benzo[ghi]perylene				0.27 mg/kg		0.238 mg/kg	0.0000238 %	✓	
		205-883-8	191-24-2							
14	acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8							
15	acenaphthene				0.17 mg/kg		0.15 mg/kg	0.000015 %	✓	
		201-469-6	83-32-9							
16	fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	phenanthrene	201-581-5	85-01-8		1.13 mg/kg		0.997 mg/kg	0.0000997 %	✓	
18	anthracene	204-371-1	120-12-7		0.2 mg/kg		0.176 mg/kg	0.0000176 %	✓	
19	fluoranthene	205-912-4	206-44-0		1.52 mg/kg		1.341 mg/kg	0.000134 %	✓	
20	pyrene	204-927-3	129-00-0		1.36 mg/kg		1.2 mg/kg	0.00012 %	✓	
21	benzo[a]anthracene	601-033-00-9	200-280-6		0.67 mg/kg		0.591 mg/kg	0.0000591 %	✓	
22	naphthalene	601-052-00-2	202-049-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	arsenic { arsenic compounds, with the exception of those specified elsewhere in this Annex }	033-002-00-5		1	30 mg/kg		26.46 mg/kg	0.00265 %	✓	
24	cadmium (non-pyrophoric); [1] cadmium oxide (non-pyrophoric) [2]	048-002-00-0	231-152-8 [1] 215-146-2 [2]		1.2 mg/kg		1.058 mg/kg	0.000106 %	✓	
25	dicopper oxide; copper (I) oxide	029-002-00-X	215-270-7		91 mg/kg		80.262 mg/kg	0.00803 %	✓	
26	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6		1	135 mg/kg		119.07 mg/kg	0.0119 %	✓	
27	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6		1	<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
28	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]		25 mg/kg	1.273	28.061 mg/kg	0.00281 %	✓	
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8			<2 mg/kg	1.405	<2.81 mg/kg	<0.000281 %		<LOD
30	zinc { zinc oxide }	030-013-00-7	215-222-5		217 mg/kg	1.245	238.231 mg/kg	0.0238 %	✓	
31	TPH (C6 to C40) petroleum group		TPH		14 mg/kg		12.348 mg/kg	0.00123 %	✓	
32	antimony { antimony trioxide }	051-005-00-X	215-175-0		4.6 mg/kg	1.197	4.857 mg/kg	0.000486 %	✓	
33	barium { barium oxide }		215-127-9		149 mg/kg	1.117	146.729 mg/kg	0.0147 %	✓	
34	o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
35	chromium in Cr(III) compounds { chromium(III) oxide }		215-160-9		34 mg/kg	1.462	43.829 mg/kg	0.00438 %	✓	
Total:								0.0708 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and ≤ 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Concentrations at less than 1.0% are "unlikely to be flammable". Flammability of soils is unlikely to result in a hazardous classification in soils (AGS Waste Classification – A Practitioner's Guide).

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00123%)

Classification of sample: WS108-0.00-0.50-

 **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
WS108-0.00-0.50-	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.00-0.50 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
18.5%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 18.5% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH				7.7 pH		7.7 pH	7.7 pH		
2	chromium in Cr(VI) compounds { chromium(VI) oxide }				<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
3	toluene				11 µg/kg		0.0089 mg/kg	0.000000897 %	✓	
	601-021-00-3	203-625-9	108-88-3							
4	ethylbenzene				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
5	benzene				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
6	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
7	chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
8	benzo[b]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
9	benzo[k]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
10	benzo[a]pyrene; benzo[def]chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
11	indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5							
12	dibenz[a,h]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
13	benzo[ghi]perylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-883-8	191-24-2							
14	acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8							
15	acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9							
16	fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
17	phenanthrene	201-581-5	85-01-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
18	anthracene	204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
19	fluoranthene	205-912-4	206-44-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
20	pyrene	204-927-3	129-00-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
21	benzo[a]anthracene	601-033-00-9	200-280-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
22	naphthalene	601-052-00-2	202-049-5		0.18 mg/kg		0.147 mg/kg	0.0000147 %		✓	
23	arsenic { arsenic compounds, with the exception of those specified elsewhere in this Annex }	033-002-00-5		1	12 mg/kg		9.78 mg/kg	0.000978 %		✓	
24	cadmium (non-pyrophoric); [1] cadmium oxide (non-pyrophoric) [2]	048-002-00-0	231-152-8 [1] 215-146-2 [2]		1.4 mg/kg		1.141 mg/kg	0.000114 %		✓	
25	dicopper oxide; copper (I) oxide	029-002-00-X	215-270-7		74 mg/kg		60.31 mg/kg	0.00603 %		✓	
26	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6		1	52 mg/kg		42.38 mg/kg	0.00424 %		✓	
27	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6		1	<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
28	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]		38 mg/kg	1.273	39.412 mg/kg	0.00394 %		✓	
29	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }	034-002-00-8			<2 mg/kg	1.405	<2.81 mg/kg	<0.000281 %			<LOD
30	zinc { zinc oxide }	030-013-00-7	215-222-5		140 mg/kg	1.245	142.022 mg/kg	0.0142 %		✓	
31	TPH (C6 to C40) petroleum group		TPH		<29.06 mg/kg		<29.06 mg/kg	<0.00291 %			<LOD
32	antimony { antimony trioxide }	051-005-00-X	215-175-0		3.5 mg/kg	1.197	3.415 mg/kg	0.000341 %		✓	
33	barium { barium oxide }		215-127-9		350.4 mg/kg	1.117	318.847 mg/kg	0.0319 %		✓	
34	asbestos	650-013-00-6	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		<0.001 %		<0.001 %	<0.001 %			<LOD
35	o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]		7 µg/kg		0.0057 mg/kg	0.00000571 %		✓	
36	chromium in Cr(III) compounds { chromium(III) oxide }		215-160-9		25 mg/kg	1.462	29.779 mg/kg	0.00298 %		✓	
Total:									0.0647 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
■	Determinand defined or amended by HazWasteOnline (see Appendix A)
■	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Concentrations at less than 1.0% are "unlikely to be flammable". Flammability of soils is unlikely to result in a hazardous classification in soils (AGS Waste Classification – A Practitioner's Guide).

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 8.97e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4] (conc.: 5.71e-07%)

Classification of sample: FP102-0.30-0.80-

 **Non Hazardous Waste**
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample name:	LoW Code:
FP102-0.30-0.80-	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.30-0.80 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
22.2%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 22.2% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH		PH		8.2 pH		8.2 pH	8.2 pH		
2	chromium in Cr(VI) compounds { chromium(VI) oxide }				<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
3	monohydric phenols		P1186		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
4	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
5	boron { diboron trioxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
6	toluene				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
7	ethylbenzene				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
8	benzene				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
9	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
10	chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
11	benzo[b]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
12	benzo[k]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
13	benzo[a]pyrene; benzo[def]chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
14	indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5							
15	dibenz[a,h]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-041-00-2	200-181-8	53-70-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	benzo[ghi]perylene	205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
17	acenaphthylene	205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
18	acenaphthene	201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
19	fluorene	201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	phenanthrene	201-581-5	85-01-8		0.42 mg/kg		0.327 mg/kg	0.0000327 %	✓	
21	anthracene	204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	fluoranthene	205-912-4	206-44-0		0.22 mg/kg		0.171 mg/kg	0.0000171 %	✓	
23	pyrene	204-927-3	129-00-0		0.18 mg/kg		0.14 mg/kg	0.000014 %	✓	
24	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	naphthalene	601-052-00-2	202-049-5	91-20-3	0.96 mg/kg		0.747 mg/kg	0.0000747 %	✓	
26	arsenic { arsenic compounds, with the exception of those specified elsewhere in this Annex }	033-002-00-5			19 mg/kg		14.782 mg/kg	0.00148 %	✓	
27	cadmium (non-pyrophoric); [1] cadmium oxide (non-pyrophoric) [2]	048-002-00-0	231-152-8 [1] 215-146-2 [2]	7440-43-9 [1] 1306-19-0 [2]	0.6 mg/kg		0.467 mg/kg	0.0000467 %	✓	
28	dicopper oxide; copper (I) oxide	029-002-00-X	215-270-7	1317-39-1	76 mg/kg		59.128 mg/kg	0.00591 %	✓	
29	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			105 mg/kg		81.69 mg/kg	0.00817 %	✓	
30	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
31	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]	34 mg/kg	1.273	33.663 mg/kg	0.00337 %	✓	
32	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8			<2 mg/kg	1.405	<2.81 mg/kg	<0.000281 %		<LOD
33	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2	316 mg/kg	1.245	306.01 mg/kg	0.0306 %	✓	
34	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1	54 mg/kg	1.785	74.999 mg/kg	0.0075 %	✓	
35	TPH (C6 to C40) petroleum group		TPH		<42 mg/kg		<42 mg/kg	<0.0042 %		<LOD
36	asbestos	650-013-00-6	-----	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5	<0.001 %		<0.001 %	<0.001 %		<LOD
37	dichlorodifluoromethane	200-893-9	75-71-8		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
38	vinyl chloride; chloroethylene 602-023-00-7	200-831-0	75-01-4		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
39	chloromethane; methyl chloride 602-001-00-7	200-817-4	74-87-3		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<LOD
40	chloroethane 602-009-00-0	200-830-5	75-00-3		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
41	bromomethane; methylbromide 602-002-00-2	200-813-2	74-83-9		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<LOD
42	trichlorofluoromethane 200-892-3	75-69-4			<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
43	1,1-dichloroethylene; vinylidene chloride 602-025-00-8	200-864-0	75-35-4		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
44	1,1-dichloroethane 602-011-00-1	200-863-5	75-34-3		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
45	2,2-dichloropropane 209-832-0	594-20-7			<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
46	chloroform; trichloromethane 602-006-00-4	200-663-8	67-66-3		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
47	bromochloromethane 200-826-3	74-97-5			<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
48	1,1,1-trichloroethane; methyl chloroform 602-013-00-2	200-756-3	71-55-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
49	1,1-dichloropropene 602-031-00-0	209-253-3	563-58-6		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<LOD
50	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
51	1,2-dichloroethane; ethylene dichloride 602-012-00-7	203-458-1	107-06-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
52	1,2-dichloropropane; propylene dichloride 602-020-00-0	201-152-2	78-87-5		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
53	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
54	bromodichloromethane 200-856-7	75-27-4			<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
55	dibromomethane 602-003-00-8	200-824-2	74-95-3		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
56	2-methoxy-2-methylbutane; tert-amyl methyl ether 603-213-00-2	213-611-4	994-05-8		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
57	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2] 602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
58	trans-1,3-dichloropropene 431-460-4	10061-02-6			<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
59	1,1,2-trichloroethane 602-014-00-8	201-166-9	79-00-5		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<LOD
60	1,3-dichloropropane 205-531-3	142-28-9			<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
61	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
62	dibromochloromethane 204-704-0	124-48-1			<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
63	1,2-dibromoethane 602-010-00-6	203-444-5	106-93-4		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
64	chlorobenzene 602-033-00-1	203-628-5	108-90-7		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
65	1,1,1,2-tetrachloroethane 211-135-1	630-20-6			<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
66	styrene 601-026-00-0	202-851-5	100-42-5		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
67	bromoform; tribromomethane				<10 µg/kg		<0.01 mg/kg		<0.000001 %		<LOD
	602-007-00-X	200-854-6	75-25-2								
68	cumene				<5 µg/kg		<0.005 mg/kg		<0.0000005 %		<LOD
	601-024-00-X	202-704-5	98-82-8								
69	1,1,2,2-tetrachloroethane				<5 µg/kg		<0.005 mg/kg		<0.0000005 %		<LOD
	602-015-00-3	201-197-8	79-34-5								
70	1,2,3-trichloropropane				<5 µg/kg		<0.005 mg/kg		<0.0000005 %		<LOD
	602-062-00-X	202-486-1	96-18-4								
71	propylbenzene				<5 µg/kg		<0.005 mg/kg		<0.0000005 %		<LOD
	601-097-00-8	203-132-9	103-65-1								
72	bromobenzene				<5 µg/kg		<0.005 mg/kg		<0.0000005 %		<LOD
	602-060-00-9	203-623-8	108-86-1								
73	mesitylene; 1,3,5-trimethylbenzene				<5 µg/kg		<0.005 mg/kg		<0.0000005 %		<LOD
	601-025-00-5	203-604-4	108-67-8								
74	tert-butylbenzene				<5 µg/kg		<0.005 mg/kg		<0.0000005 %		<LOD
		202-632-4	98-06-6								
75	1,2,4-trimethylbenzene				<5 µg/kg		<0.005 mg/kg		<0.0000005 %		<LOD
	601-043-00-3	202-436-9	95-63-6								
76	sec-butylbenzene				<5 µg/kg		<0.005 mg/kg		<0.0000005 %		<LOD
		205-227-0	135-98-8								
77	1-isopropyl-4-methylbenzene; p-cymene				<5 µg/kg		<0.005 mg/kg		<0.0000005 %		<LOD
	601-094-00-1	202-796-7	99-87-6								
78	1,3-dichlorobenzene				<0.005 mg/kg		<0.005 mg/kg		<0.0000005 %		<LOD
	602-067-00-7	208-792-1	541-73-1								
79	1,4-dichlorobenzene; p-dichlorobenzene				<0.005 mg/kg		<0.005 mg/kg		<0.0000005 %		<LOD
	602-035-00-2	203-400-5	106-46-7								
80	n-butylbenzene				<5 µg/kg		<0.005 mg/kg		<0.0000005 %		<LOD
		203-209-7	104-51-8								
81	1,2-dichlorobenzene; o-dichlorobenzene				<0.005 mg/kg		<0.005 mg/kg		<0.0000005 %		<LOD
	602-034-00-7	202-425-9	95-50-1								
82	1,2-dibromo-3-chloropropane				<10 µg/kg		<0.01 mg/kg		<0.000001 %		<LOD
	602-021-00-6	202-479-3	96-12-8								
83	hexachlorobutadiene				<0.005 mg/kg		<0.005 mg/kg		<0.0000005 %		<LOD
		201-765-5	87-68-3								
84	phenol				<0.1 mg/kg		<0.1 mg/kg		<0.00001 %		<LOD
	604-001-00-2	203-632-7	108-95-2								
85	1,2,4-trichlorobenzene				<0.1 mg/kg		<0.1 mg/kg		<0.00001 %		<LOD
	602-087-00-6	204-428-0	120-82-1								
86	2-nitrophenol				<0.1 mg/kg		<0.1 mg/kg		<0.00001 %		<LOD
		201-857-5	88-75-5								
87	nitrobenzene				<0.1 mg/kg		<0.1 mg/kg		<0.00001 %		<LOD
	609-003-00-7	202-716-0	98-95-3								
88	bis(2-chloroethoxy)methane				<0.1 mg/kg		<0.1 mg/kg		<0.00001 %		<LOD
		203-920-2	111-91-1								
89	bis(2-chloroethyl) ether				<0.1 mg/kg		<0.1 mg/kg		<0.00001 %		<LOD
	603-029-00-2	203-870-1	111-44-4								
90	2,4-dichlorophenol				<0.1 mg/kg		<0.1 mg/kg		<0.00001 %		<LOD
	604-011-00-7	204-429-6	120-83-2								
91	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1 mg/kg		<0.1 mg/kg		<0.00001 %		<LOD
	604-008-00-0	202-433-2 [1]	95-57-8 [1]								
		203-402-6 [2]	106-48-9 [2]								
		203-582-6 [3]	108-43-0 [3]								
		246-691-4 [4]	25167-80-0 [4]								
92	3,4-xylene; [1] 2,5-xylene; [2] 2,4-xylene; [3] 2,3-xylene; [4] 2,6-xylene; [5] xylene; [6] 2,4(or 2,5)-xylene [7]				<0.15 mg/kg		<0.15 mg/kg		<0.000015 %		<LOD
	604-006-00-X	202-439-5 [1]	95-65-8 [1]								
		202-461-5 [2]	95-87-4 [2]								
		203-321-6 [3]	105-67-9 [3]								
		208-395-3 [4]	526-75-0 [4]								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
		209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]							
93	3,5,5-trimethylcyclohex-2-enone; isophorone	606-012-00-8	201-126-0	78-59-1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
94	hexachloroethane	200-666-4	67-72-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
95	2,4,6-trichlorophenol	604-018-00-5	201-795-9	88-06-2	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
96	2,4,5-trichlorophenol	604-017-00-X	202-467-8	95-95-4	<0.15 mg/kg		<0.15 mg/kg	<0.000015 %		<LOD
97	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol	604-014-00-3	200-431-6	59-50-7	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
98	2-methyl naphthalene	202-078-3	91-57-6		0.2 mg/kg		0.156 mg/kg	0.0000156 %	✓	
99	hexachlorocyclopentadiene	602-078-00-7	201-029-3	77-47-4	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
100	2,6-dinitrotoluene	609-049-00-8	210-106-0	606-20-2	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
101	dimethyl phthalate	205-011-6	131-11-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
102	2-chloronaphthalene	202-079-9	91-58-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
103	4-chloroaniline	612-137-00-9	203-401-0	106-47-8	<0.15 mg/kg		<0.15 mg/kg	<0.000015 %		<LOD
104	4-nitrophenol; p-nitrophenol	609-015-00-2	202-811-7	100-02-7	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
105	4-chlorophenylphenylether	230-281-7	7005-72-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
106	4-bromophenylphenylether	202-952-4	101-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
107	hexachlorobenzene	602-065-00-6	204-273-9	118-74-1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
108	2,4-dinitrotoluene; [1] dinitrotoluene [2]	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
109	diethyl phthalate	201-550-6	84-66-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
110	dibenzofuran	205-071-3	132-64-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
111	azobenzene	611-001-00-6	203-102-5	103-33-3	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
112	dibutyl phthalate; DBP	607-318-00-4	201-557-4	84-74-2	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
113	carbazole	201-696-0	86-74-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
114	bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP	607-317-00-9	204-211-0	117-81-7	<0.15 mg/kg		<0.15 mg/kg	<0.000015 %		<LOD
115	BBP; benzyl butyl phthalate	607-430-00-3	201-622-7	85-68-7	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
116	di-n-octyl phthalate	204-214-7	117-84-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
117	o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]	<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used		
		EU CLP index number	EC Number	CAS Number									
118		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<10 µg/kg		<0.01 mg/kg	<0.000001 %		<LOD		
		602-026-00-3	208-750-2 [1]	540-59-0 [1]									
			205-859-7 [2]	156-59-2 [2]									
			205-860-2 [3]	156-60-5 [3]									
119		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<10 µg/kg		<0.01 mg/kg	<0.000001 %		<LOD		
		602-040-00-X	202-424-3 [1]	95-49-8 [1]									
			203-580-5 [2]	108-41-8 [2]									
			203-397-0 [3]	106-43-4 [3]									
		246-698-2 [4]	25168-05-2 [4]										
120		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.25 mg/kg		<0.25 mg/kg	<0.000025 %		<LOD		
		604-004-00-9	203-577-9 [1]	108-39-4 [1]									
			202-423-8 [2]	95-48-7 [2]									
			203-398-6 [3]	106-44-5 [3]									
		215-293-2 [4]	1319-77-3 [4]										
121		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD		
		612-012-00-9	201-855-4 [1]	88-74-4 [1]									
			202-729-1 [2]	99-09-2 [2]									
			202-810-1 [3]	100-01-6 [3]									
122		chromium in Cr(III) compounds { chromium(III) oxide }				19 mg/kg	1.462	21.605 mg/kg	0.00216 %	✓			
			215-160-9	1308-38-9									
Total:												0.0594 %	

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS107-0.00-0.50-

 **Non Hazardous Waste**
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample name:	LoW Code:
WS107-0.00-0.50-	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.00-0.50 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
19.5%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 19.5% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH		PH		5.4 pH		5.4 pH	5.4 pH		
2	chromium in Cr(VI) compounds { chromium(VI) oxide }				<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
3	monohydric phenols		P1186		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
4	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
5	boron { diboron trioxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
6	toluene				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
7	ethylbenzene				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
8	benzene				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
9	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
10	chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
11	benzo[b]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
12	benzo[k]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
13	benzo[a]pyrene; benzo[def]chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
14	indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5							
15	dibenz[a,h]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-041-00-2	200-181-8	53-70-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
16	benzo[ghi]perylene	205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
17	acenaphthylene	205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
18	acenaphthene	201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
19	fluorene	201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
20	phenanthrene	201-581-5	85-01-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
21	anthracene	204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
22	fluoranthene	205-912-4	206-44-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
23	pyrene	204-927-3	129-00-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
24	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
25	naphthalene	601-052-00-2	202-049-5	91-20-3	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
26	arsenic { arsenic compounds, with the exception of those specified elsewhere in this Annex }	033-002-00-5			18 mg/kg		14.49 mg/kg	0.00145 %	✓		
27	cadmium (non-pyrophoric); [1] cadmium oxide (non-pyrophoric) [2]	048-002-00-0	231-152-8 [1] 215-146-2 [2]	7440-43-9 [1] 1306-19-0 [2]	0.8 mg/kg		0.644 mg/kg	0.0000644 %	✓		
28	dicopper oxide; copper (I) oxide	029-002-00-X	215-270-7	1317-39-1	77 mg/kg		61.985 mg/kg	0.0062 %	✓		
29	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			71 mg/kg		57.155 mg/kg	0.00572 %	✓		
30	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
31	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]	28 mg/kg	1.273	28.684 mg/kg	0.00287 %	✓		
32	selenium { selenium compounds with the exception of cadmium selenoselenide and those specified elsewhere in this Annex }	034-002-00-8			<2 mg/kg	1.405	<2.81 mg/kg	<0.000281 %			<LOD
33	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2	130 mg/kg	1.245	130.259 mg/kg	0.013 %	✓		
34	TPH (C6 to C40) petroleum group		TPH		<42 mg/kg		<42 mg/kg	<0.0042 %			<LOD
35	asbestos	650-013-00-6	-----	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5	0.001 %		0.001 %	0.001 %			
36	dichlorodifluoromethane	200-893-9	75-71-8		<5 µg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
37	vinyl chloride; chloroethylene	602-023-00-7	200-831-0	75-01-4	<5 µg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
38	chloromethane; methyl chloride	602-001-00-7	200-817-4	74-87-3	<10 µg/kg		<0.01 mg/kg	<0.0000001 %			<LOD

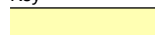
#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
39	chloroethane 602-009-00-0	200-830-5	75-00-3		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
40	bromomethane; methylbromide 602-002-00-2	200-813-2	74-83-9		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<LOD
41	trichlorofluoromethane 200-892-3	75-69-4			<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
42	1,1-dichloroethylene; vinylidene chloride 602-025-00-8	200-864-0	75-35-4		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
43	1,1-dichloroethane 602-011-00-1	200-863-5	75-34-3		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
44	2,2-dichloropropane 209-832-0	594-20-7			<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
45	chloroform; trichloromethane 602-006-00-4	200-663-8	67-66-3		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
46	bromochloromethane 200-826-3	74-97-5			<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
47	1,1,1-trichloroethane; methyl chloroform 602-013-00-2	200-756-3	71-55-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
48	1,1-dichloropropene 602-031-00-0	209-253-3	563-58-6		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<LOD
49	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
50	1,2-dichloroethane; ethylene dichloride 602-012-00-7	203-458-1	107-06-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
51	1,2-dichloropropane; propylene dichloride 602-020-00-0	201-152-2	78-87-5		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
52	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
53	bromodichloromethane 200-856-7	75-27-4			<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
54	dibromomethane 602-003-00-8	200-824-2	74-95-3		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
55	2-methoxy-2-methylbutane; tert-amyl methyl ether 603-213-00-2	213-611-4	994-05-8		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
56	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2] 602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
57	trans-1,3-dichloropropene 431-460-4	10061-02-6			<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
58	1,1,2-trichloroethane 602-014-00-8	201-166-9	79-00-5		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<LOD
59	1,3-dichloropropane 205-531-3	142-28-9			<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
60	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
61	dibromochloromethane 204-704-0	124-48-1			<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
62	1,2-dibromoethane 602-010-00-6	203-444-5	106-93-4		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
63	chlorobenzene 602-033-00-1	203-628-5	108-90-7		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
64	1,1,1,2-tetrachloroethane 211-135-1	630-20-6			<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
65	styrene 601-026-00-0	202-851-5	100-42-5		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
66	bromoform; tribromomethane 602-007-00-X	200-854-6	75-25-2		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<LOD
67	cumene 601-024-00-X	202-704-5	98-82-8		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
68	1,1,2,2-tetrachloroethane				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-015-00-3	201-197-8	79-34-5							
69	1,2,3-trichloropropane				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-062-00-X	202-486-1	96-18-4							
70	propylbenzene				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-097-00-8	203-132-9	103-65-1							
71	bromobenzene				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-060-00-9	203-623-8	108-86-1							
72	mesitylene; 1,3,5-trimethylbenzene				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
73	tert-butylbenzene				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		202-632-4	98-06-6							
74	1,2,4-trimethylbenzene				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
75	sec-butylbenzene				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		205-227-0	135-98-8							
76	1-isopropyl-4-methylbenzene; p-cymene				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-094-00-1	202-796-7	99-87-6							
77	1,3-dichlorobenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-067-00-7	208-792-1	541-73-1							
78	1,4-dichlorobenzene; p-dichlorobenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-035-00-2	203-400-5	106-46-7							
79	n-butylbenzene				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		203-209-7	104-51-8							
80	1,2-dichlorobenzene; o-dichlorobenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-034-00-7	202-425-9	95-50-1							
81	1,2-dibromo-3-chloropropane				<10 µg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
82	hexachlorobutadiene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		201-765-5	87-68-3							
83	phenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
84	1,2,4-trichlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-087-00-6	204-428-0	120-82-1							
85	2-nitrophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-857-5	88-75-5							
86	nitrobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	609-003-00-7	202-716-0	98-95-3							
87	bis(2-chloroethoxy)methane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		203-920-2	111-91-1							
88	bis(2-chloroethyl) ether				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	603-029-00-2	203-870-1	111-44-4							
89	2,4-dichlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	604-011-00-7	204-429-6	120-83-2							
90	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]							
91	3,4-xylene; [1] 2,5-xylene; [2] 2,4-xylene; [3] 2,3-xylene; [4] 2,6-xylene; [5] xylene; [6] 2,4(or 2,5)-xylene [7]				<0.15 mg/kg		<0.15 mg/kg	<0.000015 %		<LOD
	604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]							
92	3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	606-012-00-8	201-126-0	78-59-1							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
93	hexachloroethane	200-666-4	67-72-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
94	2,4,6-trichlorophenol	604-018-00-5	201-795-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
95	2,4,5-trichlorophenol	604-017-00-X	202-467-8		<0.15 mg/kg		<0.15 mg/kg	<0.000015 %		<LOD
96	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol	604-014-00-3	200-431-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
97	2-methyl naphthalene	202-078-3	91-57-6		0.2 mg/kg		0.161 mg/kg	0.0000161 %	✓	
98	hexachlorocyclopentadiene	602-078-00-7	201-029-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
99	2,6-dinitrotoluene	609-049-00-8	210-106-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
100	dimethyl phthalate	205-011-6	131-11-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
101	2-chloronaphthalene	202-079-9	91-58-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
102	4-chloroaniline	612-137-00-9	203-401-0		<0.15 mg/kg		<0.15 mg/kg	<0.000015 %		<LOD
103	4-nitrophenol; p-nitrophenol	609-015-00-2	202-811-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
104	4-chlorophenylphenylether	230-281-7	7005-72-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
105	4-bromophenylphenylether	202-952-4	101-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
106	hexachlorobenzene	602-065-00-6	204-273-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
107	2,4-dinitrotoluene; [1] dinitrotoluene [2]	609-007-00-9	204-450-0 [1] 246-836-1 [2]		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
108	diethyl phthalate	201-550-6	84-66-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
109	dibenzofuran	205-071-3	132-64-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
110	azobenzene	611-001-00-6	203-102-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
111	dibutyl phthalate; DBP	607-318-00-4	201-557-4		0.1 mg/kg		0.0805 mg/kg	0.00000805 %	✓	
112	carbazole	201-696-0	86-74-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
113	bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP	607-317-00-9	204-211-0		<0.15 mg/kg		<0.15 mg/kg	<0.000015 %		<LOD
114	BBP; benzyl butyl phthalate	607-430-00-3	201-622-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
115	di-n-octyl phthalate	204-214-7	117-84-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
116	polychlorobiphenyls; PCB	602-039-00-4	215-648-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
117	o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
118	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
119		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4] 602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]	<10 µg/kg		<0.01 mg/kg	<0.000001 %		<LOD	
120		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4] 604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]	<0.25 mg/kg		<0.25 mg/kg	<0.000025 %		<LOD	
121		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3] 612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]	<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD	
122		chromium in Cr(III) compounds {  chromium(III) oxide }			22 mg/kg	1.462	25.884 mg/kg	0.00259 %	✓		
			215-160-9	1308-38-9							
Total:									0.0329 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS104-0.00-0.50-

 **Non Hazardous Waste**
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample name:	LoW Code:	
WS104-0.00-0.50-	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.00-0.50 m		
Moisture content:		
6.5%		
(wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 6.5% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH		PH		8.7 pH		8.7 pH	8.7 pH		
2	chromium in Cr(VI) compounds { chromium(VI) oxide }				<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
3	chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
4	benzo[b]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
5	benzo[k]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
6	benzo[a]pyrene; benzo[def]chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
7	indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5							
8	dibenz[a,h]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
9	benzo[ghi]perylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-883-8	191-24-2							
10	acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8							
11	acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9							
12	fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7							
13	phenanthrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-581-5	85-01-8							
14	anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		204-371-1	120-12-7							
15	fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-912-4	206-44-0							
16	pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		204-927-3	129-00-0							
17	benzo[a]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-033-00-9	200-280-6	56-55-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
18	naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
19	arsenic { arsenic compounds, with the exception of those specified elsewhere in this Annex }			1	4 mg/kg		3.74 mg/kg	0.000374 %	✓	
	033-002-00-5									
20	cadmium (non-pyrophoric); [1] cadmium oxide (non-pyrophoric) [2]				0.5 mg/kg		0.468 mg/kg	0.0000468 %	✓	
	048-002-00-0	231-152-8 [1] 215-146-2 [2]	7440-43-9 [1] 1306-19-0 [2]							
21	dicopper oxide; copper (I) oxide				11 mg/kg		10.285 mg/kg	0.00103 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
22	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	43 mg/kg		40.205 mg/kg	0.00402 %	✓	
	082-001-00-6									
23	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	080-002-00-6									
24	nickel { nickel(II) oxide (nickel monoxide) }				11 mg/kg	1.273	13.089 mg/kg	0.00131 %	✓	
	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]							
25	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2 mg/kg	1.405	<2.81 mg/kg	<0.000281 %		<LOD
	034-002-00-8									
26	zinc { zinc oxide }				73 mg/kg	1.245	84.958 mg/kg	0.0085 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
27	vanadium { divanadium pentaoxide; vanadium pentoxide }				15 mg/kg	1.785	25.037 mg/kg	0.0025 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
28	chromium in Cr(III) compounds { chromium(III) oxide }				11 mg/kg	1.462	15.032 mg/kg	0.0015 %	✓	
		215-160-9	1308-38-9							
Total:								0.0193 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS102-0.07-0.50-

 **Non Hazardous Waste**
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample name:	LoW Code:
WS102-0.07-0.50-	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.07-0.50 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
8.8%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 8.8% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH		PH		8.7 pH		8.7 pH	8.7 pH		
2	chromium in Cr(VI) compounds { chromium(VI) oxide }				<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
3	chrysene				0.19 mg/kg		0.173 mg/kg	0.0000173 %	✓	
	601-048-00-0	205-923-4	218-01-9							
4	benzo[b]fluoranthene				0.16 mg/kg		0.146 mg/kg	0.0000146 %	✓	
	601-034-00-4	205-911-9	205-99-2							
5	benzo[k]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
6	benzo[a]pyrene; benzo[def]chrysene				0.14 mg/kg		0.128 mg/kg	0.0000128 %	✓	
	601-032-00-3	200-028-5	50-32-8							
7	indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5							
8	dibenz[a,h]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
9	benzo[ghi]perylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-883-8	191-24-2							
10	acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8							
11	acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9							
12	fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7							
13	phenanthrene				0.43 mg/kg		0.392 mg/kg	0.0000392 %	✓	
		201-581-5	85-01-8							
14	anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		204-371-1	120-12-7							
15	fluoranthene				0.42 mg/kg		0.383 mg/kg	0.0000383 %	✓	
		205-912-4	206-44-0							
16	pyrene				0.37 mg/kg		0.337 mg/kg	0.0000337 %	✓	
		204-927-3	129-00-0							
17	benzo[a]anthracene				0.19 mg/kg		0.173 mg/kg	0.0000173 %	✓	
	601-033-00-9	200-280-6	56-55-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
18	naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
19	arsenic { arsenic compounds, with the exception of those specified elsewhere in this Annex }			1	5 mg/kg		4.56 mg/kg	0.000456 %	✓	
	033-002-00-5									
20	cadmium (non-pyrophoric); [1] cadmium oxide (non-pyrophoric) [2]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
	048-002-00-0	231-152-8 [1] 215-146-2 [2]	7440-43-9 [1] 1306-19-0 [2]							
21	dicopper oxide; copper (I) oxide				13 mg/kg		11.856 mg/kg	0.00119 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
22	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	21 mg/kg		19.152 mg/kg	0.00192 %	✓	
	082-001-00-6									
23	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	080-002-00-6									
24	nickel { nickel(II) oxide (nickel monoxide) }				22 mg/kg	1.273	25.533 mg/kg	0.00255 %	✓	
	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]							
25	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2 mg/kg	1.405	<2.81 mg/kg	<0.000281 %		<LOD
	034-002-00-8									
26	zinc { zinc oxide }				47 mg/kg	1.245	53.353 mg/kg	0.00534 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
27	vanadium { divanadium pentaoxide; vanadium pentoxide }				13 mg/kg	1.785	21.165 mg/kg	0.00212 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
28	asbestos				<0.001 %		<0.001 %	<0.001 %		<LOD
	650-013-00-6	-----	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5							
29	chromium in Cr(III) compounds { chromium(III) oxide }				64 mg/kg	1.462	85.308 mg/kg	0.00853 %	✓	
		215-160-9	1308-38-9							
Total:								0.0223 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS109-0.50-1.00-

 **Non Hazardous Waste**
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample name:	LoW Code:
WS109-0.50-1.00-	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.50-1.00 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
11.9%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 11.9% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH		PH		7.4 pH		7.4 pH	7.4 pH		
2	chromium in Cr(VI) compounds { chromium(VI) oxide }				<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
3	chrysene				0.78 mg/kg		0.687 mg/kg	0.0000687 %	✓	
	601-048-00-0	205-923-4	218-01-9							
4	benzo[b]fluoranthene				0.74 mg/kg		0.652 mg/kg	0.0000652 %	✓	
	601-034-00-4	205-911-9	205-99-2							
5	benzo[k]fluoranthene				0.24 mg/kg		0.211 mg/kg	0.0000211 %	✓	
	601-036-00-5	205-916-6	207-08-9							
6	benzo[a]pyrene; benzo[def]chrysene				0.58 mg/kg		0.511 mg/kg	0.0000511 %	✓	
	601-032-00-3	200-028-5	50-32-8							
7	indeno[123-cd]pyrene				0.29 mg/kg		0.255 mg/kg	0.0000255 %	✓	
		205-893-2	193-39-5							
8	dibenz[a,h]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
9	benzo[ghi]perylene				0.25 mg/kg		0.22 mg/kg	0.000022 %	✓	
		205-883-8	191-24-2							
10	acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8							
11	acenaphthene				0.22 mg/kg		0.194 mg/kg	0.0000194 %	✓	
		201-469-6	83-32-9							
12	fluorene				0.14 mg/kg		0.123 mg/kg	0.0000123 %	✓	
		201-695-5	86-73-7							
13	phenanthrene				1.3 mg/kg		1.145 mg/kg	0.000115 %	✓	
		201-581-5	85-01-8							
14	anthracene				0.23 mg/kg		0.203 mg/kg	0.0000203 %	✓	
		204-371-1	120-12-7							
15	fluoranthene				1.8 mg/kg		1.586 mg/kg	0.000159 %	✓	
		205-912-4	206-44-0							
16	pyrene				1.58 mg/kg		1.392 mg/kg	0.000139 %	✓	
		204-927-3	129-00-0							
17	benzo[a]anthracene				0.74 mg/kg		0.652 mg/kg	0.0000652 %	✓	
	601-033-00-9	200-280-6	56-55-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
18	naphthalene				0.17 mg/kg		0.15 mg/kg	0.000015 %	✓	
	601-052-00-2	202-049-5	91-20-3							
19	arsenic { arsenic compounds, with the exception of those specified elsewhere in this Annex }			1	7 mg/kg		6.167 mg/kg	0.000617 %	✓	
	033-002-00-5									
20	cadmium (non-pyrophoric); [1] cadmium oxide (non-pyrophoric) [2]				0.2 mg/kg		0.176 mg/kg	0.0000176 %	✓	
	048-002-00-0	231-152-8 [1] 215-146-2 [2]	7440-43-9 [1] 1306-19-0 [2]							
21	dicopper oxide; copper (I) oxide				27 mg/kg		23.787 mg/kg	0.00238 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
22	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	29 mg/kg		25.549 mg/kg	0.00255 %	✓	
	082-001-00-6									
23	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	080-002-00-6									
24	nickel { nickel(II) oxide (nickel monoxide) }				9 mg/kg	1.273	10.09 mg/kg	0.00101 %	✓	
	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]							
25	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2 mg/kg	1.405	<2.81 mg/kg	<0.000281 %		<LOD
	034-002-00-8									
26	zinc { zinc oxide }				45 mg/kg	1.245	49.347 mg/kg	0.00493 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
27	vanadium { divanadium pentaoxide; vanadium pentoxide }				13 mg/kg	1.785	20.446 mg/kg	0.00204 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
28	chromium in Cr(III) compounds { chromium(III) oxide }				10 mg/kg	1.462	12.876 mg/kg	0.00129 %	✓	
		215-160-9	1308-38-9							
Total:								0.0156 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS103-0.00-0.50-

 **Non Hazardous Waste**
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample name:	LoW Code:
WS103-0.00-0.50-	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.00-0.50 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
16.9%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 16.9% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH		PH		8.1 pH		8.1 pH	8.1 pH		
2	chromium in Cr(VI) compounds { chromium(VI) oxide }				<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
3	chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
4	benzo[b]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
5	benzo[k]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
6	benzo[a]pyrene; benzo[def]chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
7	indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5							
8	dibenz[a,h]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
9	benzo[ghi]perylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-883-8	191-24-2							
10	acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8							
11	acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9							
12	fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7							
13	phenanthrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-581-5	85-01-8							
14	anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		204-371-1	120-12-7							
15	fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-912-4	206-44-0							
16	pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		204-927-3	129-00-0							
17	benzo[a]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-033-00-9	200-280-6	56-55-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
18	naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
19	arsenic { arsenic compounds, with the exception of those specified elsewhere in this Annex }			1	9 mg/kg		7.479 mg/kg	0.000748 %	✓	
	033-002-00-5									
20	cadmium (non-pyrophoric); [1] cadmium oxide (non-pyrophoric) [2]				0.3 mg/kg		0.249 mg/kg	0.0000249 %	✓	
	048-002-00-0	231-152-8 [1] 215-146-2 [2]	7440-43-9 [1] 1306-19-0 [2]							
21	dicopper oxide; copper (I) oxide				58 mg/kg		48.198 mg/kg	0.00482 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
22	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	50 mg/kg		41.55 mg/kg	0.00416 %	✓	
	082-001-00-6									
23	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	080-002-00-6									
24	nickel { nickel(II) oxide (nickel monoxide) }				15 mg/kg	1.273	15.863 mg/kg	0.00159 %	✓	
	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]							
25	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				<2 mg/kg	1.405	<2.81 mg/kg	<0.000281 %		<LOD
	034-002-00-8									
26	zinc { zinc oxide }				198 mg/kg	1.245	204.803 mg/kg	0.0205 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
27	vanadium { divanadium pentaoxide; vanadium pentoxide }				58 mg/kg	1.785	86.042 mg/kg	0.0086 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
28	chromium in Cr(III) compounds { chromium(III) oxide }				49 mg/kg	1.462	59.513 mg/kg	0.00595 %	✓	
		215-160-9	1308-38-9							
Total:								0.0464 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS110-0.80-1.30-

 **Non Hazardous Waste**
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample name:	LoW Code:
WS110-0.80-1.30-	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.80-1.30 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
23.8%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 23.8% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH		PH		7.1 pH		7.1 pH	7.1 pH		
2	chromium in Cr(VI) compounds { chromium(VI) oxide }				<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
3	chrysene				0.18 mg/kg		0.137 mg/kg	0.0000137 %	✓	
	601-048-00-0	205-923-4	218-01-9							
4	benzo[b]fluoranthene				0.16 mg/kg		0.122 mg/kg	0.0000122 %	✓	
	601-034-00-4	205-911-9	205-99-2							
5	benzo[k]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
6	benzo[a]pyrene; benzo[def]chrysene				0.14 mg/kg		0.107 mg/kg	0.0000107 %	✓	
	601-032-00-3	200-028-5	50-32-8							
7	indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5							
8	dibenz[a,h]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
9	benzo[ghi]perylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-883-8	191-24-2							
10	acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8							
11	acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9							
12	fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7							
13	phenanthrene				0.31 mg/kg		0.236 mg/kg	0.0000236 %	✓	
		201-581-5	85-01-8							
14	anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		204-371-1	120-12-7							
15	fluoranthene				0.43 mg/kg		0.328 mg/kg	0.0000328 %	✓	
		205-912-4	206-44-0							
16	pyrene				0.39 mg/kg		0.297 mg/kg	0.0000297 %	✓	
		204-927-3	129-00-0							
17	benzo[a]anthracene				0.2 mg/kg		0.152 mg/kg	0.0000152 %	✓	
	601-033-00-9	200-280-6	56-55-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
18	naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
19	arsenic { arsenic compounds, with the exception of those specified elsewhere in this Annex }			1	23 mg/kg		17.526 mg/kg	0.00175 %	✓	
	033-002-00-5									
20	cadmium (non-pyrophoric); [1] cadmium oxide (non-pyrophoric) [2]				1.4 mg/kg		1.067 mg/kg	0.000107 %	✓	
	048-002-00-0	231-152-8 [1] 215-146-2 [2]	7440-43-9 [1] 1306-19-0 [2]							
21	dicopper oxide; copper (I) oxide				90 mg/kg		68.58 mg/kg	0.00686 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
22	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	123 mg/kg		93.726 mg/kg	0.00937 %	✓	
	082-001-00-6									
23	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	080-002-00-6									
24	nickel { nickel(II) oxide (nickel monoxide) }				22 mg/kg	1.273	21.334 mg/kg	0.00213 %	✓	
	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]							
25	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2 mg/kg	1.405	<2.81 mg/kg	<0.000281 %		<LOD
	034-002-00-8									
26	zinc { zinc oxide }				246 mg/kg	1.245	233.324 mg/kg	0.0233 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
27	vanadium { divanadium pentaoxide; vanadium pentoxide }				34 mg/kg	1.785	46.251 mg/kg	0.00463 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
28	chromium in Cr(III) compounds { chromium(III) oxide }				26 mg/kg	1.462	28.956 mg/kg	0.0029 %	✓	
		215-160-9	1308-38-9							
Total:								0.0512 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS105-1.20-1.50-


Non Hazardous Waste

 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample name:	LoW Code:	
WS105-1.20-1.50-	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
1.20-1.50 m		
Moisture content:		
8.4%		
(wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 8.4% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH PH				7.4 pH		7.4 pH	7.4 pH		
Total:								0%		

Key

	User supplied data
●	Determinand defined or amended by HazWasteOnline (see Appendix A)

Classification of sample: WS107-1.50-2.50-

 **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
WS107-1.50-2.50-	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
1.50-2.50 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
5.8%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 5.8% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	 pH		PH		7 pH		7 pH	7pH		
Total:								0%		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)

Classification of sample: HD101-0.00-0.50-

 **Non Hazardous Waste**
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample name:	LoW Code:	
HD101-0.00-0.50-	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.00-0.50 m		
Moisture content:		
13.4%		
(wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 13.4% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH		PH		7.8 pH		7.8 pH	7.8 pH		
2	chromium in Cr(VI) compounds { chromium(VI) oxide }				<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
3	chrysene				0.14 mg/kg		0.121 mg/kg	0.0000121 %	✓	
	601-048-00-0	205-923-4	218-01-9							
4	benzo[b]fluoranthene				0.14 mg/kg		0.121 mg/kg	0.0000121 %	✓	
	601-034-00-4	205-911-9	205-99-2							
5	benzo[k]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
6	benzo[a]pyrene; benzo[def]chrysene				0.12 mg/kg		0.104 mg/kg	0.0000104 %	✓	
	601-032-00-3	200-028-5	50-32-8							
7	indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5							
8	dibenz[a,h]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
9	benzo[ghi]perylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-883-8	191-24-2							
10	acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8							
11	acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9							
12	fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7							
13	phenanthrene				0.22 mg/kg		0.191 mg/kg	0.0000191 %	✓	
		201-581-5	85-01-8							
14	anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		204-371-1	120-12-7							
15	fluoranthene				0.22 mg/kg		0.191 mg/kg	0.0000191 %	✓	
		205-912-4	206-44-0							
16	pyrene				0.21 mg/kg		0.182 mg/kg	0.0000182 %	✓	
		204-927-3	129-00-0							
17	benzo[a]anthracene				0.15 mg/kg		0.13 mg/kg	0.000013 %	✓	
	601-033-00-9	200-280-6	56-55-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
18	naphthalene				0.25 mg/kg		0.217 mg/kg	0.0000217 %	✓	
	601-052-00-2	202-049-5	91-20-3							
19	arsenic { arsenic compounds, with the exception of those specified elsewhere in this Annex }			1	15 mg/kg		12.99 mg/kg	0.0013 %	✓	
	033-002-00-5									
20	cadmium (non-pyrophoric); [1] cadmium oxide (non-pyrophoric) [2]				1.1 mg/kg		0.953 mg/kg	0.0000953 %	✓	
	048-002-00-0	231-152-8 [1] 215-146-2 [2]	7440-43-9 [1] 1306-19-0 [2]							
21	dicopper oxide; copper (I) oxide				65 mg/kg		56.29 mg/kg	0.00563 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
22	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	121 mg/kg		104.786 mg/kg	0.0105 %	✓	
	082-001-00-6									
23	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	080-002-00-6									
24	nickel { nickel(II) oxide (nickel monoxide) }				22 mg/kg	1.273	24.245 mg/kg	0.00242 %	✓	
	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]							
25	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2 mg/kg	1.405	<2.81 mg/kg	<0.000281 %		<LOD
	034-002-00-8									
26	zinc { zinc oxide }				176 mg/kg	1.245	189.714 mg/kg	0.019 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
27	vanadium { divanadium pentaoxide; vanadium pentoxide }				27 mg/kg	1.785	41.741 mg/kg	0.00417 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
28	asbestos				0.001 %		0.001 %	0.001 %		
	650-013-00-6	-----	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5							
29	chromium in Cr(III) compounds { chromium(III) oxide }				21 mg/kg	1.462	26.58 mg/kg	0.00266 %	✓	
		215-160-9	1308-38-9							
Total:								0.0469 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Appendix A: Classifier defined and non GB MCL determinands

■ pH (CAS Number: PH)

Description/Comments: Appendix C4
 Data source: WM3 1st Edition 2015
 Data source date: 25 May 2015
 Hazard Statements: None.

■ monohydric phenols (CAS Number: P1186)

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)
 Data source: CLP combined data
 Data source date: 26 Mar 2019
 Hazard Statements: Muta. 2; H341 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , Acute Tox. 3; H301 , STOT RE 2; H373 , Skin Corr. 1B; H314 , Skin Corr. 1B; H314 >= 3 % , Skin Irrit. 2; H315 1 <= conc. < 3 % , Eye Irrit. 2; H319 1 <= conc. < 3 % , Aquatic Chronic 2; H411

■ salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex

GB MCL index number: 006-007-00-5
 Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
 Additional Hazard Statement(s): EUH032 >= 0.2 %
 Reason for additional Hazards Statement(s):
 20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

■ ethylbenzene (EC Number: 202-849-4, CAS Number: 100-41-4)

GB MCL index number: 601-023-00-4
 Description/Comments:
 Additional Hazard Statement(s): Carc. 2; H351
 Reason for additional Hazards Statement(s):
 20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2B (77) 2000

■ indeno[123-cd]pyrene (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from C&L Inventory Database
 Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
 Data source date: 06 Aug 2015
 Hazard Statements: Carc. 2; H351

■ benzo[ghi]perylene (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015
 Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
 Data source date: 23 Jul 2015
 Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

■ acenaphthylene (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from C&L Inventory Database
 Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
 Data source date: 17 Jul 2015
 Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

■ acenaphthene (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from C&L Inventory Database
 Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
 Data source date: 17 Jul 2015
 Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

■ fluorene (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from C&L Inventory Database
 Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
 Data source date: 06 Aug 2015
 Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

■ phenanthrene (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from C&L Inventory Database
 Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
 Data source date: 06 Aug 2015
 Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

• **anthracene** (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• **fluoranthene** (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 21 Aug 2015

Hazard Statements: Acute Tox. 4; H302 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• **pyrene** (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 21 Aug 2015

Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• **arsenic compounds, with the exception of those specified elsewhere in this Annex**

GB MCL index number: 033-002-00-5

Description/Comments: Worst Case: IARC considers arsenic compounds Group 1; Carcinogenic to humans

Additional Hazard Statement(s): Carc. 1A; H350

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

• **lead compounds with the exception of those specified elsewhere in this Annex**

GB MCL index number: 082-001-00-6

Description/Comments: Least-worst case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers many simple lead compounds to be Carcinogenic category 2

Additional Hazard Statement(s): Carc. 2; H351

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium

www.reach-lead.eu/substanceinformation.html. Review date 29/09/2015

• **TPH (C6 to C40) petroleum group** (CAS Number: TPH)

Description/Comments: Unknown Oil

Hazard statements taken from WM3 1st Edition 2015

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , STOT RE 2; H373 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 2; H361d , Aquatic Chronic 2; H411

• **chromium(III) oxide** (EC Number: 215-160-9, CAS Number: 1308-38-9)

Description/Comments: Data from ECHA's C&L inventory database

Data source: <https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806>

Data source date: 30 Apr 2020

Hazard Statements: Acute Tox. 4; H302 , Skin Sens. 1; H317 , Eye Irrit. 2; H319

• **barium oxide** (EC Number: 215-127-9, CAS Number: 1304-28-5)

Description/Comments: Data from ECHA's C&L Inventory Database, Sigma Aldrich SDS dated 6/2/20

Data source: <https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/88825>

Data source date: 02 Apr 2020

Hazard Statements: Acute Tox. 3; H301 , Skin Corr. 1B; H314 , Eye Dam. 1; H318 , Acute Tox. 1; H332

• **dichlorodifluoromethane** (EC Number: 200-893-9, CAS Number: 75-71-8)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Aquatic Chronic 3; H412 , Ozone 1; H420 , Press. Gas; H280

• **trichlorofluoromethane** (EC Number: 200-892-3, CAS Number: 75-69-4)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H312 , Ozone 1; H420

■ **2,2-dichloropropane** (EC Number: 209-832-0, CAS Number: 594-20-7)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H332 , Flam. Liq. 2; H225 , Acute Tox. 4; H302 , Acute Tox. 4; H312 , Eye Irrit. 2; H319

■ **bromochloromethane** (EC Number: 200-826-3, CAS Number: 74-97-5)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H312 , Skin Corr. 1B; H314 , Eye Dam. 1; H318 , Acute Tox. 4; H332 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Ozone 1; H420

■ **bromodichloromethane** (EC Number: 200-856-7, CAS Number: 75-27-4)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 1A; H360

■ **trans-1,3-dichloropropene** (EC Number: 431-460-4, CAS Number: 10061-02-6)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Flam. Liq. 3; H226 , Acute Tox. 3; H301 , Asp. Tox. 1; H304 , Acute Tox. 3; H311 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , Aquatic Chronic 1; H410

■ **1,3-dichloropropane** (EC Number: 205-531-3, CAS Number: 142-28-9)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H332 , Flam. Liq. 2; H225 , Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335

■ **dibromochloromethane** (EC Number: 204-704-0, CAS Number: 124-48-1)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 3;

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , STOT SE 3; H336 , Muta. 2; H341 , Aquatic Chronic 2; H411

■ **1,1,1,2-tetrachloroethane** (EC Number: 211-135-1, CAS Number: 630-20-6)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , Eye Dam. 1; H318 , Acute Tox. 4; H332 , Carc. 2; H351 , Acute Tox. 4; H312 , Aquatic Chronic 3; H412 , Skin Irrit. 2; H315

■ **tert-butylbenzene** (EC Number: 202-632-4, CAS Number: 98-06-6)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , Acute Tox. 4; H332 , STOT SE 3; H335 , Asp. Tox. 1; H304 , Aquatic Chronic 2; H411

■ **sec-butylbenzene** (EC Number: 205-227-0, CAS Number: 135-98-8)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Aquatic Chronic 2; H411

■ **n-butylbenzene** (EC Number: 203-209-7, CAS Number: 104-51-8)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

▪ **hexachlorobutadiene** (EC Number: 201-765-5, CAS Number: 87-68-3)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 3;

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 2; H310 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Irrit. 2; H319 , Acute Tox. 2; H330 , Carc. 2; H351 , Repr. 2; H361 , STOT SE 2; H371 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

▪ **2-nitrophenol** (EC Number: 201-857-5, CAS Number: 88-75-5)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , STOT RE 2; H373 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

▪ **bis(2-chloroethoxy)methane** (EC Number: 203-920-2, CAS Number: 111-91-1)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 4; H312 , Acute Tox. 1; H330 , Acute Tox. 2; H330 , STOT SE 1; H370 , STOT RE 2; H373

▪ **hexachloroethane** (EC Number: 200-666-4, CAS Number: 67-72-1)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , STOT RE 2; H373

▪ **2-methyl naphthalene** (EC Number: 202-078-3, CAS Number: 91-57-6)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , STOT SE 3; H336 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

▪ **dimethyl phthalate** (EC Number: 205-011-6, CAS Number: 131-11-3)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , STOT SE 3; H335 , STOT SE 3; H336 , Repr. 2; H361 , Aquatic Chronic 3; H412

▪ **2-chloronaphthalene** (EC Number: 202-079-9, CAS Number: 91-58-7)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

▪ **4-chlorophenylphenylether** (EC Number: 230-281-7, CAS Number: 7005-72-3)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

▪ **4-bromophenylphenylether** (EC Number: 202-952-4, CAS Number: 101-55-3)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

▪ **diethyl phthalate** (EC Number: 201-550-6, CAS Number: 84-66-2)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Skin Irrit. 2; H315 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , STOT SE 3; H335 , STOT RE 2; H373 , Repr. 2; H361 , Acute Tox. 4; H302 , STOT SE 3; H336 , Skin Sens. 1; H317 , Aquatic Chronic 1; H410

• **dibenzofuran** (EC Number: 205-071-3, CAS Number: 132-64-9)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Acute Tox. 4; H332 , Aquatic Chronic 2; H411

• **carbazole** (EC Number: 201-696-0, CAS Number: 86-74-8)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Acute SE 3; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Muta. 2; H341 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , Acute Tox. 3; H301

• **di-n-octyl phthalate** (EC Number: 204-214-7, CAS Number: 117-84-0)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Repr. 2; H361 , Skin Sens. 1; H317 , Resp. Sens. 1; H334 , Eye Irrit. 2; H319 , Aquatic Chronic 4; H413

• **polychlorobiphenyls; PCB** (EC Number: 215-648-1, CAS Number: 1336-36-3)

GB MCL index number: 602-039-00-4

Description/Comments: Worst Case: IARC considers PCB Group 1; Carcinogenic to humans;

POP specific threshold from ATP1 (Regulation 756/2010/EU) to POPs Regulation (Regulation 850/2004/EC). Where applicable, the calculation method laid down in European standards EN 12766-1 and EN 12766-2 shall be applied.

Additional Hazard Statement(s): Carc. 1A; H350

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

Appendix B: Rationale for selection of metal species

chromium in Cr(VI) compounds {chromium(VI) oxide}

Oxide form most likely in soils

cyanides {salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex}

most likely species in soil environment

boron {diboron trioxide}

oxide of metals most likely species in soil environment

arsenic {arsenic compounds, with the exception of those specified elsewhere in this Annex}

metal oxide most likely form in soils environment

lead {lead compounds with the exception of those specified elsewhere in this Annex}

metal oxide most likely form in soils environment

mercury {inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex}

metal oxide most likely form in soils environment

nickel {nickel(II) oxide (nickel monoxide)}

metal oxide most likely form in soils environment

selenium {selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex}

metal oxide most likely form in soils environment

zinc {zinc oxide}

metal oxide most likely form in soils environment

vanadium {divanadium pentaoxide; vanadium pentoxide}

most conservative

chromium in Cr(III) compounds {chromium(III) oxide}

metal oxide most likely form in soils environment

antimony {antimony trioxide}

oxide of metals most likely form

barium {barium oxide}

oxide of metals most likely form in soils

Appendix C: Version

HazWasteOnline Classification Engine: **WM3 1st Edition v1.2.GB - Oct 2021**

HazWasteOnline Classification Engine Version: 2025.322.6869.12419 (18 Nov 2025)

HazWasteOnline Database: 2025.321.6868.12417 (17 Nov 2025)

This classification utilises the following guidance and legislation:

WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021

CLP Regulation - Regulation 1272/2008/EC of 16 December 2008

1st ATP - Regulation 790/2009/EC of 10 August 2009

2nd ATP - Regulation 286/2011/EC of 10 March 2011

3rd ATP - Regulation 618/2012/EU of 10 July 2012

4th ATP - Regulation 487/2013/EU of 8 May 2013

Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013

5th ATP - Regulation 944/2013/EU of 2 October 2013

6th ATP - Regulation 605/2014/EU of 5 June 2014

WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014

Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014

7th ATP - Regulation 2015/1221/EU of 24 July 2015

8th ATP - Regulation (EU) 2016/918 of 19 May 2016

9th ATP - Regulation (EU) 2016/1179 of 19 July 2016

10th ATP - Regulation (EU) 2017/776 of 4 May 2017

HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017

13th ATP - Regulation (EU) 2018/1480 of 4 October 2018

14th ATP - Regulation (EU) 2020/217 of 4 October 2019

15th ATP - Regulation (EU) 2020/1182 of 19 May 2020

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit)

Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020

The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020

GB MCL List - version 1.1 of 09 June 2021

GB MCL List v2.0 - version 2.0 of 20th October 2023

GB MCL List v3.0 - version 3.0 of 11th January 2024

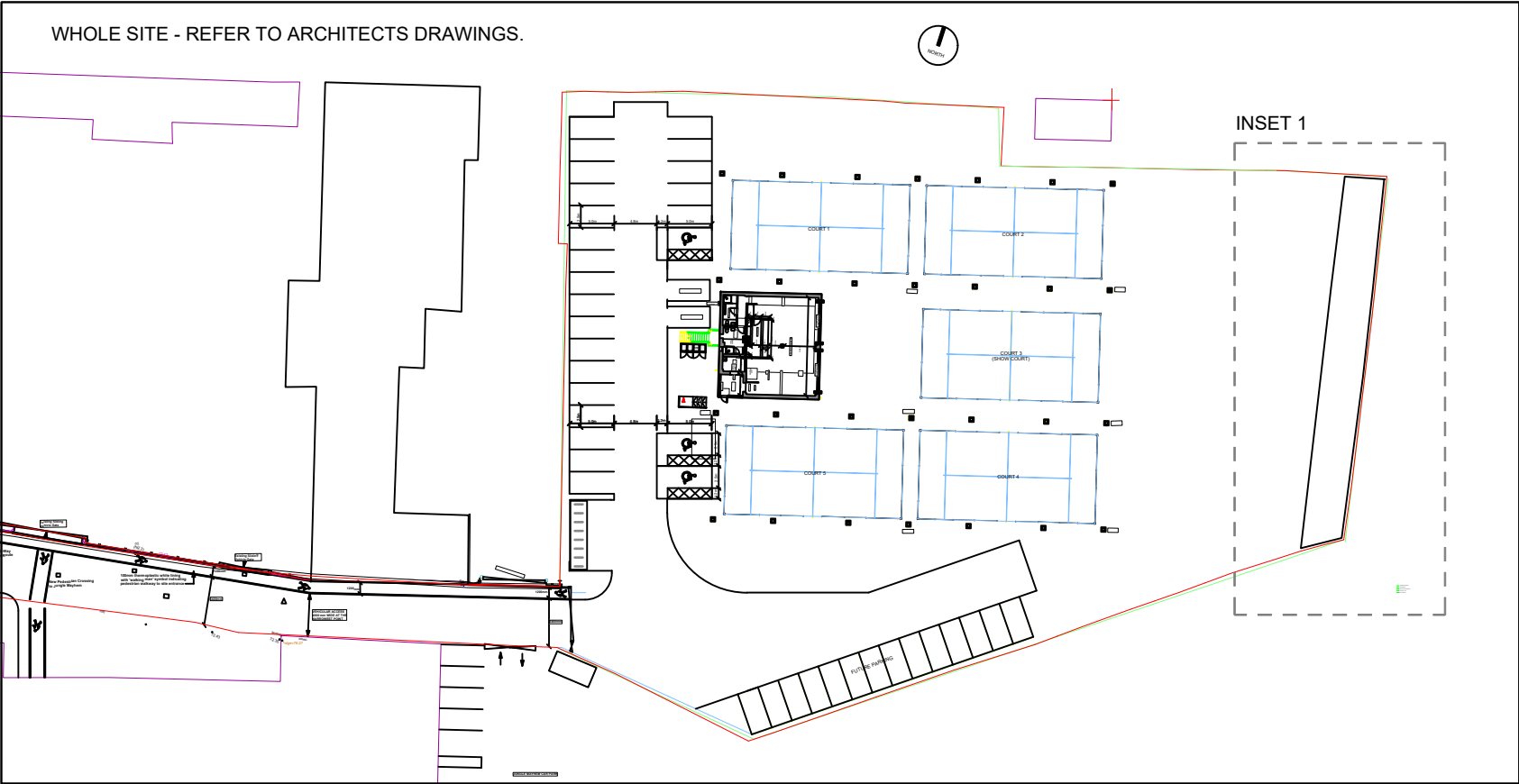
GB MCL List v4.0 - version 4.0 of 2nd March 2024

GB MCL List v5.0 - version 5.0 of 26th June 2024

GB MCL List v6.0 - version 6.0 of 15th February 2025

GB MCL List v7.0 - version 7.0 of 23rd September 2025

Appendix H – Landscaping Plan



PLANT SCHEDULE					
TREES					
QTY	CODE	PLANT NAME	STOCK	FORM	GIRTH/HEIGHT
3No.	BET PEN s	Betula pendula	C 25L	STD	8-10cm
AMENITY GRASS					
24 m2	A19 (All Purpose Landscaping) Germinal Holdings Ltd (formally British Seed Houses Ltd)				
WILDFLOWER MEADOW					
161m2	EM3 General Wildflower Meadow, by Emorsgate Seeds.				
NOTES AND ABBREVIATIONS:					
C = Container (or pot) grown, followed by size of the container (or pot). FORM = Shape of tree as supplied by the nursery. QTY = Quantity STD = (clear stem) Standard. STOCK = Root condition/protection method eg Bare root.					
- Refer to specification for further information. - All plants to be completely hardened off - Substitutions to be agreed with Landscape Architect.					
PLANTING NOTES:					
All work to be carried out to the satisfaction of the Landscape Architect. No planting position or species shall be altered without the approval of the Landscape Architect. Detailed foundation and drainage designs were not available when planting proposals were produced. All topsoil and subsoil is to be analysed by a qualified soil scientist and the findings supplied in report form including recommendations to bringing soils up to specification. The soil survey shall include analysis of representative topsoil and subsoil samples (sample numbers to be determined by the soil scientist).					

Landscape areas shall be excavated to the following minimum depths:
Amenity Grass -150mm, in areas where land is flat, mounding as shown on drawing.

Back fill landscape areas with multi-purpose topsoil to BS 3882: 2015 to a maximum depth of 150mm for grass areas and 300mm for shrub areas with free draining subsoil below, if required soil to be de-compacted to allow good drainage. All areas where soil is to be incorporated over formerly hard areas or compacted ground, these are to be excavated a further 300mm and backfilled to below topsoil level with free draining subsoil to match PH of topsoil used on site. Following settlement of topsoil, top up areas and cultivate to depth of topsoil.

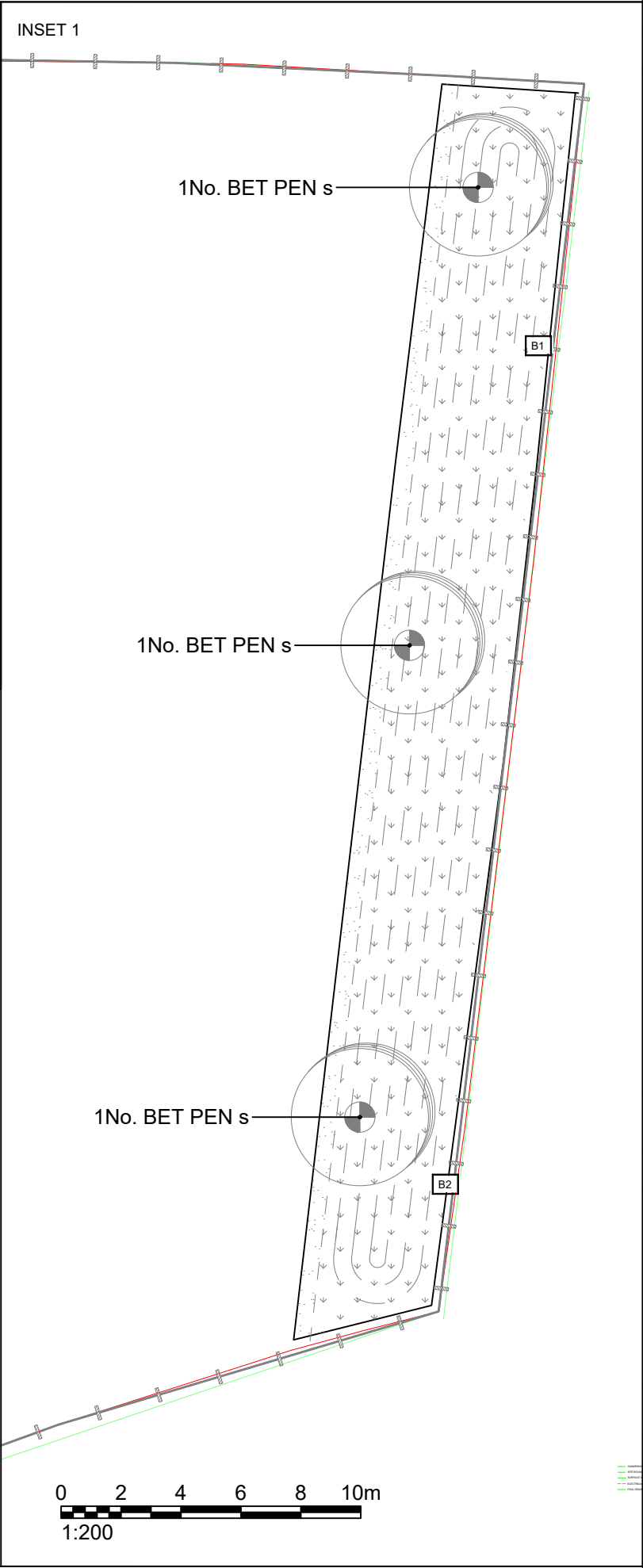
Contractors to ensure all tree pits are free draining.
Trees to be selected and planted in accordance with BS 8545:2014.
Tree pits to be square and 150mm wider than the rootball on all sides. The planting pit should be no deeper than the existing rootball or container depth.

The base of the tree pit should remain undisturbed, unless additional measures are specified, to avoid sinking of the rootball. The rootflare should be proud of the soil and easily visible after planting. Tree stock should be supplied with nursery line marked on tree if available from nursery and line planted flush with ground level.

All preparations, both hard and soft under/around trees to be retained must be carried out by hand to protect roots

All plant material procedures are to conform to the relevant British Standards (3936/4428) codes of practice. Unless otherwise specified planting is to conform to National Planting Specification..

Planting will commence during the first planting season (mid Nov-mid March) after substantial completion of the site. Should planting commence outside the dormant period allow for all bare root stock to be supplied container grown.



NJ LANDSCAPE DESIGN REF:

0502-PP-01

This drawing is subject to copyright.
Do not scale from this drawing

Based on drawing by Corstorphine and Wright Architects, Design Drawing number 240956-CWA-SS-00-DR-A-0301

KEY

- Proposed native tree
- Wildflower meadow on bund 600mm high
- Amenity Grass
- Existing fencing to be retained.

ECOLOGICAL ENHANCEMENTS

- Bat Roosting Box
Habitat Triple Chambered Bat Box
- Bird Boxes
Habitat Timber Nest Box 1

NOTES:

- Bin stores to be detailed by architect.
- Build ups to be detailed by project engineer.
- Any boundary treatment/wall over 1.1m to be reviewed by structural engineer.
- Any wall above 600mm would need to be reviewed for a safety restraint.
- EV charging points to be specified by others.

PLANNING ONLY

NOT FOR TENDER OR CONSTRUCTION

P1 27.10.25 Minor amends to text. NP

REV: DATE: DESCRIPTION: DRW CHK APP

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CLIENT:
Love to Padel Ltd.

PROJECT:
Padel Tennis Facility, Radcliffe

DRAWING TITLE: Planting Plan for Landscape Buffer ONLY DRAWING NO: 0502-PP-01

DRAWING SCALE: 1/200 @ A3 DRAWING DATE: 21/10/2025 DWG REV: P1 DRAWN BY: NP CHECKED BY: NP APPROVED BY: NP

Appendix I – References

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