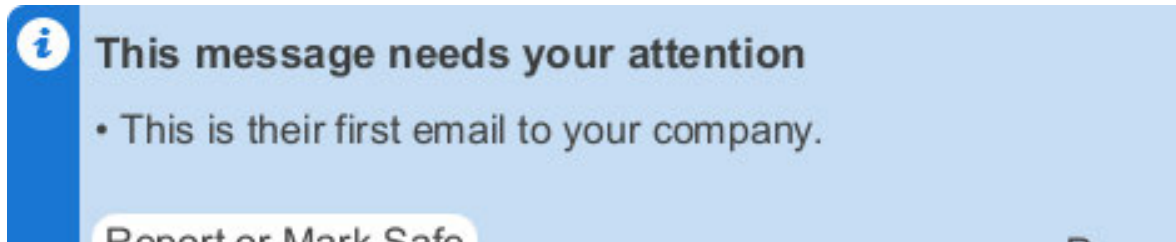


From: Alex Smith [REDACTED]
Sent: 07 August 2026 15:22
To: Sam.Whitehouse
Cc: [REDACTED]
Subject: DISC/26/0217 - Former Fire Station, Hurst Road, Horsham - Conditions 5 & 6
Attachments: C-36677 The Old Fire Station RH12 2ND Asbestos Demolition Report.pdf; 253128B Final Phase 2 Investigation Report.pdf



Hi Sam,

We've been instructed to assist with discharging the planning conditions for the former fire station site in Horsham. Upon review, we're aware that application reference DISC/26/0217 has been submitted to the Council for the discharge of condition 5 (contaminated land) and condition 6 (borehole investigation scheme). Having looked at the file, I believe that the following attached documents should have been submitted with the application:

- Phase 2 Ground Investigation and Contamination Assessment – Report No: 253128B – September 2025; and
- Asbestos Demolition Report – Reference C-36677

The Phase 1 report on file concludes that on-site testing was required. This has been completed by the applicant and the results are in the attached Phase 2 report. This concludes the only issues at the site is asbestos and the attached report identifies where this is within the building.

Apologies these weren't submitted with the original application, but please could these be added to the application file and sent to your environmental health team to review?

Kind regards

Alex

Alex Smith
Director



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[REDACTED]

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Asbestos Demolition Report

The Old Fire Station
Hurst Road
Horsham
RH12 2ND

On behalf of

LPS Construction Consultants

Reference: C-36677



CONTENTS

1.0	SITE INFORMATION	3
2.0	EXECUTIVE SUMMARY.....	4
2.1	Summary of Asbestos Locations:.....	4
2.2	No Access Areas:.....	5
3.0	SURVEY RESULTS	6
4.0	INTRODUCTION	8
5.0	INVESTIGATIONS	9
6.0	LIMITATIONS	11
7.0	CAVEATS	14
8.0	REFERENCES	15
9.0	SAMPLE SHEETS	16
10.0	ASBESTOS REGISTER	63
11.0	NON-ASBESTOS REGISTER	66
12.0	NON-SUSPECT REGISTER.....	69
13.0	CERTIFICATES OF ANALYSIS	91
14.0	DRAWINGS.....	94

1.0 SITE INFORMATION

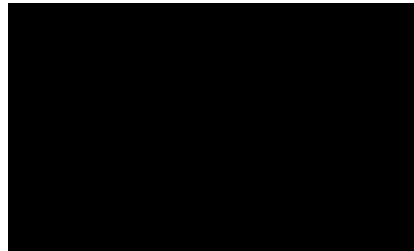
Report Reference: C-36677
Survey Type: Asbestos Demolition Report
Site Address: The Old Fire Station
Hurst Road
Horsham
RH12 2ND
Client Name and Address: LPS Construction Consultants
13 St Pauls Square
Birmingham
B3 1RB
Client Contact: Manny Aparicio
Survey Date(s): 17/03/2026 to 20/03/2026
Report Issue Date: 26/03/2026

Name of Surveyor(s):

Lewis Hanley

Report Authorised By:

Domanic Calleja



Scope of Works: To carry out an asbestos demolition survey to Horsham Fire Station. All works to conform with the HSG264 and internal company procedures.

Excluded Areas: N/A

Building Usage: Commercial

Age of Building: 1900's

2.0 EXECUTIVE SUMMARY

A Demolition Survey was carried out at The Old Fire Station, Hurst Road, Horsham on 17/03/2026 to 20/03/2026.

2.1 Summary of Asbestos Locations:

The Old Fire Station						
Floor	Area / Room	Material Description	Substrate	Sample No.	Material Score	Recommended action
1st Floor	003 - Ladies changing room	Floor tiles - Thermoplastic Floor Tile	Bonded to concrete	S018	2 - Very Low	Remove - NON-Licensed Material
1st Floor	006 - Commanders office	Floor tiles - Vinyl Floor Tile	Bonded to concrete	X017	2 - Very Low	Remove - NON-Licensed Material
1st Floor	058 - Cupboard	Floortiles - Vinyl Floor Tile	Bonded to concrete	S017	3 - Very Low	Remove - NON-Licensed Material
Ground Floor	028 - Room 5	Floortiles and bitumen adhesive - Floor tiles & Bitumen	Bonded to concrete	S004	2 - Very Low	Remove - NON-Licensed Material
Ground Floor	029 - Cupboard	Floortiles and bitumen adhesive - Floor tiles & Bitumen	Bonded to concrete	X004	2 - Very Low	Remove - NON-Licensed Material
Ground Floor	030 - Room 6	Floortiles and bitumen adhesive - Floor tiles & Bitumen	Bonded to concrete	X004	2 - Very Low	Remove - NON-Licensed Material
Ground Floor	031 - Room 7	Floortiles and bitumen adhesive - Floor tiles & Bitumen	Bonded to concrete	X004	2 - Very Low	Remove - NON-Licensed Material
Ground Floor	032 - Stair Lobby	Aib lined wall - Insulating Board	Lined in void	S019	9 - Medium	Remove - Licensed Material
Ground Floor	032 - Stair Lobby	Door panel - Insulating Board	Screwed to timber	S013	5 - Low	Remove - Licensed Material
Ground Floor	036 - Cupboard	Floortiles and bitumen adhesive - Floor tiles & Bitumen	Bonded to concrete	X004	2 - Very Low	Remove - NON-Licensed Material
Ground Floor	040 - Gas room	Electrical box - Gaskets (compressed)	Enclosed within	P	5 - Low	Inaccessible Items / Strongly Presumed
Ground Floor	041 - Room 8	Aib lined wall - Insulating Board	Nailed to timber	X019	9 - Medium	Remove - Licensed Material
Ground Floor	041 - Room 8	Floortiles - Thermoplastic Floor Tile	Bonded to concrete	S015	3 - Very Low	Remove - NON-Licensed Material
Ground Floor	042 - Lobby	Boxing - Insulating Board	Nailed to timber	S026	6 - Low	Remove - Licensed Material
Ground Floor	042 - Lobby	Panel - Cement Product	Nailed to timber	S016	4 - Very Low	Remove - NON-Licensed Material

The Old Fire Station						
Floor	Area / Room	Material Description	Substrate	Sample No.	Material Score	Recommended action
Ground Floor	045 - Store room	Bitumen felt - Bituminous Product	Bonded to brick	S007	3 - Very Low	Remove - NON-Licensed Material
Ground Floor	049 - Lobby	Floortiles - Vinyl Floor Tile	Bonded to concrete	S008	3 - Very Low	Remove - NON-Licensed Material
External	060 - Roof	Damp proof coursing - Bituminous Product	Bonded to brick	S022	3 - Very Low	Remove - NON-Licensed Material
External	060 - Roof	Mastic to skylights - Mastic	Bonded to metal	S020	3 - Very Low	Remove - NON-Licensed Material
External	061 - Externals	AIB within timber canopy - Insulating Board	Nailed to timber	S025	8 - Medium	Remove - Licensed Material
External	061 - Externals	Soil pipes - Cement Product	Bonded to brick	S024	3 - Very Low	Remove - NON-Licensed Material

2.2 No Access Areas:

All areas within the scope of the survey were accessed.

3.0 SURVEY RESULTS

Material Assessment Score

Each of the parameters given below are assessed during material risk assessment.

Sample Variable	Score	Examples
Product type (or debris from product)	1 (Low)	Composites (plastics, resins, mastics, roofing felts, vinyl floor tiles, paints, decorative finishes, cement etc.)
	2 (Medium)	AIB, textiles, gaskets, ropes, paper etc.
	3 (High)	Lagging, spray coatings, loose asbestos etc.
Surface Treatment	0 (None)	Non-friable composite asbestos/encapsulated cement.
	1 (Low)	Enclosed sprays/lagging/board or bare cement.
	2 (Medium)	Bare AIB or encapsulated lagging/spray.
	3 (High)	Unsealed lagging/spray/loose asbestos.
Extent of damage	0 (None)	No visible damage.
	1 (Low)	Few scratches/marks, broken edges etc.
	2 (Medium)	Significant breakage of non-friable materials or several areas of damage to friable material.
	3 (High)	High damage/visible debris.
Asbestos Type	0	No asbestos detected.
	1	Chrysotile.
	2	Amphibole asbestos excluding Crocidolite.
	3	Crocidolite.

The Material Assessment score is calculated by adding the parameters above. The potential for releasing fibres is detailed below.

Material Assessment Score	Fibre Release Potential
10 or higher	High
7 – 9	Medium
5 – 6	Low
4 or lower	Very Low

Material Assessment Score - *Applicable to Positive Asbestos Samples only*

The Material Assessment Score is derived by adding together the above classification numbers together and assigning the scores High, Medium and Low as follows;

High Material with an Assessment Score of > 9:

The asbestos-containing material is in a condition or in a location that requires urgent attention. It should either be removed or treated as soon as possible. All fallen asbestos debris and loose surface material is assigned a high risk rating, because any disturbance of materials is likely to release airborne respirable asbestos fibres and may spread contamination throughout the building.

Medium Material with an Assessment Score of between 7 and 9:

The asbestos-containing material is in a location or in a condition that requires remedial action. The action may entail minor repairs to damaged surfaces or encapsulation of exposed asbestos surfaces. Following the remedial measures, the Assessment Score may be reduced to Low. However, in the long term it is recommended that all materials in this risk category should be removed as soon as possible.

Low Material with an Assessment Score of between 5 and 6:

The asbestos-containing material is in a condition or in a location that does not create a significant health risk, provided that it remains undisturbed. A Low Material Assessment Score applies only if there is little or no risk of disturbance. However, changes in work methods, or building use could change this assessment. The Assessment Score could increase to High if it were decided to carry out building works that would disturb the material.

Very Low Material with an Assessment Score of < 5 or less:

The asbestos-containing material is in a condition or form that represents a very low risk to health, provided that it remains undisturbed. Examples include composite resin products where the asbestos fibres are securely bound into the product.

4.0 INTRODUCTION

Scope and Purpose

4.1 LPS Construction Consultants has commissioned **Crucial Environmental Ltd** to undertake an Asbestos Demolition Survey of The Old Fire Station. The aim of the survey was to locate and identify the presence of ACM's or suspected ACM's. This report provides a record and assessment of the extent and characteristics of ACM's and is based on information made available on 17/03/2026 to 20/03/2026.

Refurbishment/Demolition Survey

A Refurbishment/Demolition Survey extends the 'Management Survey', to include investigations into all reasonably accessible sealed voids and the fabric of the building. This survey includes breaking through partition walls, ceilings etc. to confirm the presence or absence of asbestos and, normally, this is carried out prior to demolition or refurbishment works where significant damage to the building will not be a problem. This will result in damage to stud partition walls, plasterboard ceilings, wood riser covers, doors, computer floors, carpets, kitchens, bathrooms etc. The damage caused by this type of survey is kept to a minimum, but in some cases requires reinstatement, which is not included in the survey unless pre-arranged.

A Refurbishment/Demolition Survey shall only be carried out if safe to do so - for example if there are live services inside a building, access may not be possible to certain areas and may require a further visit in the future.

This survey type shall result in a more accurate survey, but will again take more time and hence entail a greater cost. In addition, an asbestos register is not included in this type of survey, as it is presumed that all asbestos materials identified are to be removed to facilitate the refurbishment or demolition works.

4.2 This particular survey comprised a Demolition survey carried out in accordance with the Health and Safety Executive's guidance document HSG 264.

This means that:

- As far as reasonably practicable, locate and describe all ACM's in all reasonably accessible areas of the building.
- A sampling programme is undertaken to identify possible ACM's and estimates of the volumes and the surface areas of ACM made.
- A record of the condition of the ACM's or where additional asbestos debris may be expected to be present is produced.

4.3 The purpose of the report is to:

- Enable the client to take appropriate precautions so that people who work at The Old Fire Station are not exposed to asbestos-related health risks.
- Provide information to assist the client in developing and implementing an action plan for the further investigation, treatment, removal and/or monitoring of ACMs.

4.4 The findings of this report will need to be revised and updated periodically to reflect the progress made in the action plan.

5.0 INVESTIGATIONS

Baseline Information

5.1 There is no baseline information concerning the presence of asbestos at The Old Fire Station. It appears that no previous work has been carried out to identify, remove or repair any asbestos-containing materials at the site.

Inspection, Sampling and Analysis

Typical sources considered

5.2 The inspection work undertaken by **Crucial Environmental Ltd** has taken account of the typical sources of asbestos found in other similar buildings, of a similar age.

5.3 Asbestos has been added to many different building materials over the past century to improve their thermal, insulation and strength properties. The commercial use of asbestos began in the late nineteenth century and increased steadily until the 1940s. After World War II, asbestos was used extensively in buildings, particularly during the 1950s, 1960s and 1970s.

5.4 In 1999 the Government banned the import, supplies and use of all forms of materials containing asbestos.

5.5 The site drawing and sample sheets may show that some rooms contain no entry of samples taken. This means that from past history of ACM's and the experience of the surveyor it is deemed that no visual ACM's were found in that room. It will be accepted that all rooms will have been examined for ACM's during this survey unless they are identified as excluded from the survey.

Sampling and Analysis

5.7 Sampling was carried out on **17/03/2026 to 20/03/2026** in accordance with the method specified in HSG264, published by the Health & Safety Executive.

5.8 Access to the buildings was arranged by **LPS Construction Consultants**, and photographs were taken to provide a record of all of the locations and materials examined. A photographic record of the inspection is incorporated in the sample sheets.

5.9 Analysis of the recovered samples was carried out by **Crucial Environmental.Ltd** in accordance with the procedure specified in HSG248, Asbestos: The Analysts Guide, published by the Health & Safety Executive. **Crucial Environmental Ltd** are accredited by the United Kingdom Accreditation Service (UKAS) for the identification of asbestos in bulk samples.

Control of Asbestos Regulations 2012

5.10 The Control of Asbestos Regulations 2012 (CAR) apply to most work situations involving risk of exposure to asbestos. From May 2004 the Duty to Manage asbestos in non-domestic premises requires that employers:

- Take all reasonable steps to identify the locations of materials likely to contain asbestos.
- Assume that the identified materials contain asbestos, unless there is evidence to the contrary.
- Keep an up to date written record (an **Asbestos Register**) of the location of asbestos-containing materials.
- Monitor the condition of asbestos-containing materials.
- Make a written assessment of the risk of exposure from asbestos.
- Prepare and implement a **management plan** to control asbestos-related health risks, including measures to ensure that:
 - material known or presumed to create a risk of exposure to asbestos is repaired or, if necessary, removed.
 - material known or presumed to contain asbestos, but which does not pose a risk of exposure, is maintained in a good state of repair.
 - information about the location and condition of material known or presumed to contain asbestos is given to anyone who is likely to disturb it.

Other Health & Safety Regulations

5.11 Under Section 2 of the Health and Safety at Work etc. Act 1974 (HSWA), employers have a duty of care for the health, safety and welfare of their employees whilst at work.

In addition, employers that are in control of premises have a duty of care, under Section 4 of the HSWA, towards all other people (non-employees) who use or work at their premises.

5.12 Other regulations embodied in the HSWA require employers to ensure that:

- Immediate steps are taken to reduce exposure to asbestos, in situations where the control level or action level is exceeded.
- Risk assessments are carried out and are used to prepare method statements for any work that is likely to involve exposure to asbestos.
- The number of workers exposed to asbestos is kept to a minimum.
- Information on the location of asbestos is made available to any person likely to be exposed to ACMs.
- Training is given to anyone liable to be exposed to asbestos.

6.0 LIMITATIONS

Introduction

6.1 The recommendations provided in this Section identify the main elements of the Action Plans that need to be developed and implemented by **LPS Construction Consultants or the contractual 'Duty Holder'** in order to address the asbestos management issues that affect The Old Fire Station.

6.2 We recommend that further inspection, sampling and testing is carried out if the scope of works changes from this survey.

All areas were inspected as far as is reasonably practicable as per HSG264 & internal company procedures.

Programme for Removal or Treatment of Asbestos Materials

6.3 A programme for the removal, encapsulation or monitoring of asbestos materials should be identified in the Asbestos Management Plan. This work is beyond the scope of our current commission, though technical assistance can be provided to assist clients if required.

6.4 The management plan for the removal, encapsulation and/or monitoring of ACM's, requires a priority assessment to be completed, this looks at the likelihood of someone disturbing the ACM, and takes account of:

- The Material and Priority Assessment Scores for the materials in question.
- The Disturbance Potential for the materials in question.
- Areas where planned future works or maintenance activities entail contact with materials that are known to contain asbestos.
- The occupant activities undertaken in the area concerned.
- The human exposure potential.

Materials with a High Assessment Score - Applicable to Positive Asbestos Samples only.

6.5 Suspected *high-risk* asbestos-containing materials. It may be more economical to remove *high-risk* asbestos materials than to attempt to carry out in-situ remediation (e.g. by encapsulation and periodic monitoring). Licensed contractors should always be used to remove these materials.

6.6 Loose materials and debris, which can have a medium or low Assessment Score should also be removed as they may have a high potential for disturbance and therefore a risk of contamination spread.

Materials with a medium or Low Assessment Score - Applicable to Positive Asbestos Samples only.

6.7 The recommended approach for dealing with the *medium-risk and low-risk* asbestos containing materials identified. For these materials, the decision to remove the materials should be based on the priority assessment of whether the risk associated with removal would be less than the risk associated with in-situ management. In some circumstances, managing the risk with routine inspections may be more appropriate in the short to medium term, particularly where the material is in good condition, the location is 'remote' and it is considered feasible to provide adequate safeguards against inadvertent contact or exposure.

Areas affected by Planned Future Works

6.8 Where asbestos is present in areas where future work is planned or contemplated, special consideration must be given to the health and safety risks associated with the work, irrespective of the Material Assessment Score assigned to the material.

6.9 Employers have a duty of care under the Control of Asbestos at Work Regulations 2012 to any person or organisation that may work at their premises. Information must therefore be provided to any contractor or employee that may come into contact with ACM's. The information provided should include but need not be limited to the details provided in this report. Information concerning the presence of asbestos should not only be given to contractors, but also to Designers, Planning

Supervisors, and Principal Designer (within the meaning of the CDM Regulations) so that suitable risk assessments can be carried out and used to develop the Health & Safety Plan and safe systems of work.

6.10 Planning for individual projects that involve dealing with specific asbestos management issues should also consider the wider context, including opportunities for the cost-effective treatment or removal of asbestos materials.

Management Responsibility

6.11 Responsibility should be allocated to a specific individual to provide a source of information, advice and authority for situations where decisions relating to asbestos are needed. The nominated individual should also be responsible for:

- Communicating information about asbestos,
- Controlling the Asbestos Register,
- Liaising with specialist asbestos consultants and contractors,
- Monitoring the action plan.

7.0 CAVEATS

7.1 All reasonable steps have been taken to ensure that the contents and findings of this report are true and accurate. Though as stated below, further undetected ACM's may still be present within the premises. The client should therefore be aware of his responsibilities for identifying, locating, removing and/or managing all ACM's within the premises, and for notifying the appropriate authorities where necessary. All dimensions and areas given are approximate and should be used for guidance purposes only.

Refurbishment and Demolition Surveys

7.2 This type of survey employs the use of destructive sampling techniques of an unfamiliar site. Although every effort is made to locate all asbestos containing materials, it is impossible to rule out the possibility that undiscovered asbestos materials may be present. If the building is to undergo major refurbishment or demolition, it is recommended that the persons carrying out the work are made aware of this and take sufficient precautions, as may be appropriate, to ensure the health and safety of their own employees and any other parties who may be affected by the works.

8.0 REFERENCES

HSG264 Asbestos: The Survey Guide. *HSE Books*

HSG248 Asbestos: Asbestos: The analysts' guide for sampling, analysis and clearance procedures, *HSE Books*

A Comprehensive Guide to Managing Asbestos in Premises HSG 227, *HSE Books*

The Management of Asbestos in Non-Domestic Premises, Regulation 4 of The Control of Asbestos Regulations 2012 *Approved Code of Practice (L143 Second edition) HSE Books 2013.*

The Control of Asbestos Regulations 2012 *The Stationary Office*

Asbestos Essentials. Task Manual for building, maintenance and allied trades on non-licensed asbestos work *HSG210, HSE Books*

9.0 SAMPLE SHEETS

Building:	The Old Fire Station	Floor	1st Floor		
Location ID	001	Location	Bar		
Sample Number	S001	Extent	10 m ²		
Item / Position	Floortiles and bitumen adhesive	Material	Floor tiles & Bitumen		
Product Type		Scores	-		
Condition			-		
Surface Treatment			-		
Asbestos Type	No asbestos detected		-		
Material Assessment	N/A				
Substrate	Bonded to concrete	Accessibility	-		
Main Photo		Close Up Photo			
					
Recommendation	No action required				
Comments	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls with a woodchip covering, concrete floor with floortiles. Timber door and frame. Unlagged copper and plastic pipework. Steel and timber beams within ceiling void. Bonded to concrete				

SAMPLE SHEETS

Client: LPS Construction Consultants
 Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	1st Floor		
Location ID	001	Location	Bar		
Sample Number	S002	Extent	1 no		
Item / Position	Sink pad	Material	Bituminous Product		
Product Type		Scores	-		
Condition			-		
Surface Treatment			-		
Asbestos Type	No asbestos detected		-		
Material Assessment	N/A				
Substrate	Bonded to metal	Accessibility	-		
Main Photo		Close Up Photo			
					
Recommendation	No action required				
Comments	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls with a woodchip covering, concrete floor with floortiles. Timber door and frame. Unlagged copper and plastic pipework. Bonded to metal				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

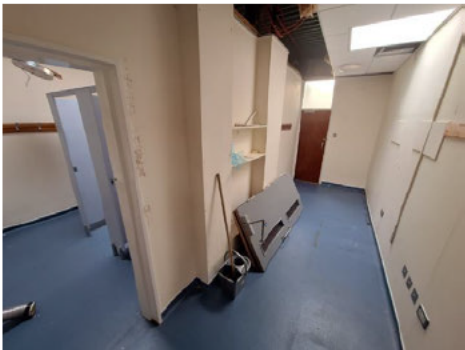
Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	1st Floor		
Location ID	002	Location	Common room		
Sample Number	X012	Extent	25 m ²		
Item / Position	Sarking felt	Material	Bituminous Product		
Product Type		Scores	-		
Condition			-		
Surface Treatment			-		
Asbestos Type	No asbestos detected		-		
Material Assessment	N/A				
Substrate	Nailed to timber	Accessibility	-		
Main Photo		Close Up Photo			
					
Recommendation	No action required				
Comments	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls with a woodchip covering, concrete floor with carpet. Concrete beams. Timber doors and frames. Foamlagged copper pipework. Plasterboard door header panels. Bagged MMMF and cotton insulation within ceiling void. Nailed to timber				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	1st Floor		
Location ID	003	Location	Ladies changing room		
Sample Number	X012	Extent	9 m ²		
Item / Position	Sarking felt	Material	Bituminous Product		
Product Type		Scores	-		
Condition			-		
Surface Treatment			-		
Asbestos Type	No asbestos detected		-		
Material Assessment	N/A				
Substrate	Nailed to timber	Accessibility	-		
Main Photo		Close Up Photo			
					
Recommendation	No action required				
Comments	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls with a woodchip covering, concrete floor with linoleum. Steel frame. Timber doors and frames. Plastic lagged copper pipework. Timber door header panels. Timber boxing. MMMF insulation within ceiling void. Nailed to timber				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	1st Floor
Location ID	003	Location	Ladies changing room
Sample Number	S018	Extent	12 m ²
Item / Position	Floor tiles	Material	Thermoplastic Floor Tile
Product Type	Asbestos reinforced composites etc.	Scores	1
Condition	Good Condition		0
Surface Treatment	Self Sealed		0
Asbestos Type	Chrysotile		1
Material Assessment	Very Low		2
Substrate	Bonded to concrete	Accessibility	High
Main Photo		Close Up Photo	
			
Recommendation	Remove - NON-Licensed Material Removal by an asbestos contractor. This material is not licensed however may still be notifiable to the HSE prior to removal works taking place. All works must conform to the Control of Asbestos Regulations 2012.		
Comments	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls with a woodchip covering, concrete floor with linoleum. Steel frame. Timber doors and frames. Plastic lagged copper pipework. Timber door header panels. Timber boxing. MMMF insulation within ceiling void. Bonded to concrete		

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

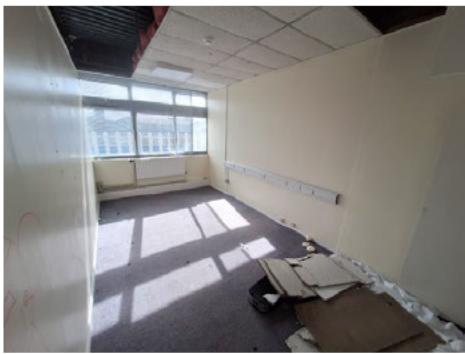
Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	1st Floor		
Location ID	004	Location	Ladies toilets		
Sample Number	X012	Extent	9 m ²		
Item / Position	Sarking felt	Material	Bituminous Product		
Product Type		Scores	-		
Condition			-		
Surface Treatment			-		
Asbestos Type	No asbestos detected		-		
Material Assessment	N/A				
Substrate	Nailed to timber	Accessibility	-		
Main Photo		Close Up Photo			
					
Recommendation	No action required				
Comments	Metal roof, suspended ceiling had been removed, plasterboard walls, concrete floor with linoleum. Timber doors and frames. Plastic lagged copper pipework. Ceramic toilet cisterns with plastic soil pipes. Timber boxing. Nailed to timber				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

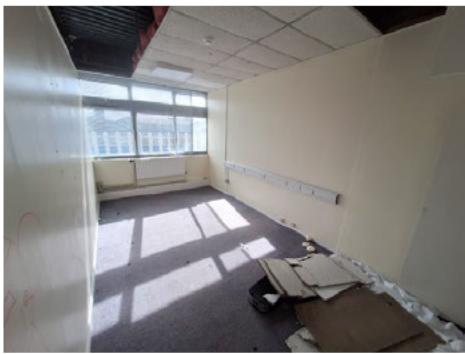
Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	1st Floor		
Location ID	006	Location	Commanders office		
Sample Number	X012	Extent	3 m ²		
Item / Position	Sarking felt	Material	Bituminous Product		
Product Type		Scores	-		
Condition			-		
Surface Treatment			-		
Asbestos Type	No asbestos detected		-		
Material Assessment	N/A				
Substrate	Nailed to timber	Accessibility	-		
Main Photo		Close Up Photo			
					
Recommendation	No action required				
Comments	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls, concrete floor with carpet. Timber door and frame. Plastic lagged copper pipework. Plasterboard door header panel. Bagged MMMF and cotton insulation within ceiling void. Nailed to timber				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	1st Floor		
Location ID	006	Location	Commanders office		
Sample Number	X017	Extent	20 m ²		
Item / Position	Floor tiles	Material	Vinyl Floor Tile		
Product Type	Asbestos reinforced composites etc.	Scores	1		
Condition	Good Condition		0		
Surface Treatment	Self Sealed		0		
Asbestos Type	Chrysotile		1		
Material Assessment	Very Low		2		
Substrate	Bonded to concrete	Accessibility	Medium		
Main Photo		Close Up Photo			
					
Recommendation	Remove - NON-Licensed Material Removal by an asbestos contractor. This material is not licensed however may still be notifiable to the HSE prior to removal works taking place. All works must conform to the Control of Asbestos Regulations 2012.				
Comments	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls, concrete floor with carpet. Timber door and frame. Plastic lagged copper pipework. Plasterboard door header panel. Bagged MMMF and cotton insulation within ceiling void. Bonded to concrete				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	1st Floor		
Location ID	007	Location	Training room		
Sample Number	X012	Extent	10 m ²		
Item / Position	Sarking felt	Material	Bituminous Product		
Product Type		Scores	-		
Condition			-		
Surface Treatment			-		
Asbestos Type	No asbestos detected		-		
Material Assessment	N/A		-		
Substrate	Nailed to timber	Accessibility	-		
Main Photo		Close Up Photo			
					
Recommendation	No action required				
Comments	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls, concrete floor with carpet. Timber door and frame. Plastic lagged copper pipework. Plasterboard door header panel. Bagged MMMF and cotton insulation within ceiling void. Nailed to timber				

SAMPLE SHEETS

Client: LPS Construction Consultants
 Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	1st Floor		
Location ID	008	Location	Room 1		
Sample Number	X012	Extent	10 m ²		
Item / Position	Sarking felt	Material	Bituminous Product		
Product Type		Scores	-		
Condition			-		
Surface Treatment			-		
Asbestos Type	No asbestos detected		-		
Material Assessment	N/A				
Substrate	Nailed to timber	Accessibility	-		
Main Photo		Close Up Photo			
					
Recommendation	No action required				
Comments	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls, concrete floor with carpet. Timber door and frame. Plastic lagged copper pipework. Plasterboard door header panel. Bagged MMMF and cotton insulation within ceiling void. Nailed to timber				

SAMPLE SHEETS

Client: LPS Construction Consultants
 Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	1st Floor		
Location ID	009	Location	Fire safety room		
Sample Number	X012	Extent	32 m ²		
Item / Position	Sarking felt	Material	Bituminous Product		
Product Type		Scores	-		
Condition			-		
Surface Treatment			-		
Asbestos Type	No asbestos detected		-		
Material Assessment	N/A				
Substrate	Nailed to timber	Accessibility	-		
Main Photo		Close Up Photo			
					
Recommendation	No action required				
Comments	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls, concrete floor with carpet. Timber door and frame. Plastic lagged copper pipework. Timber door header panel. Bagged MMMF and cotton insulation within ceiling void. Bitumen felt and polystyrene within wall cavities. Plastic flue pipe within plasterboard boxing. Nailed to timber				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	1st Floor		
Location ID	010	Location	Fire safety room 2		
Sample Number	S012	Extent	20 m ²		
Item / Position	Sarking felt	Material	Bituminous Product		
Product Type		Scores	-		
Condition			-		
Surface Treatment			-		
Asbestos Type	No asbestos detected		-		
Material Assessment	N/A				
Substrate	Nailed to timber	Accessibility	-		
Main Photo		Close Up Photo			
					
Recommendation	No action required				
Comments	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls, concrete floor with carpet. Timber door and frame. Plastic lagged copper pipework. Timber door header panel. Bagged MMMF and cotton insulation within ceiling void. Metal ducting. Bitumen felt and polystyrene within wall cavities. Nailed to timber				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

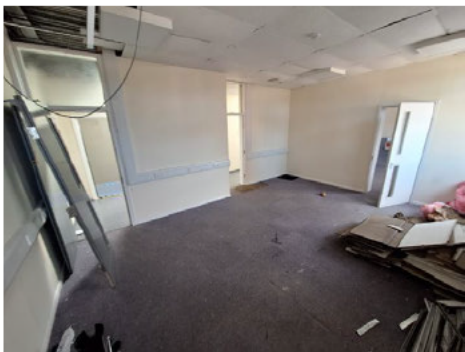
Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	1st Floor		
Location ID	011	Location	Room 2		
Sample Number	X012	Extent	9 m ²		
Item / Position	Sarking felt	Material	Bituminous Product		
Product Type		Scores	-		
Condition			-		
Surface Treatment			-		
Asbestos Type	No asbestos detected		-		
Material Assessment	N/A				
Substrate	Nailed to timber	Accessibility	-		
Main Photo		Close Up Photo			
					
Recommendation	No action required				
Comments	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls, concrete floor with carpet. Timber door and frame. Plastic lagged copper pipework. Timber door header panel. Bagged MMMF and cotton insulation within ceiling void. Metal ducting Nailed to timber				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	1st Floor		
Location ID	012	Location	Room 3		
Sample Number	X012	Extent	9 m ²		
Item / Position	Sarking felt	Material	Bituminous Product		
Product Type		Scores	-		
Condition			-		
Surface Treatment			-		
Asbestos Type	No asbestos detected		-		
Material Assessment	N/A				
Substrate	Nailed to timber	Accessibility	-		
Main Photo		Close Up Photo			
					
Recommendation	No action required				
Comments	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls, concrete floor with carpet. Timber door and frame. Plastic lagged copper pipework. Glass door header panel. Bagged MMMF and cotton insulation within ceiling void. Metal ducting Nailed to timber				

SAMPLE SHEETS

Client: LPS Construction Consultants
 Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	1st Floor		
Location ID	019	Location	Kitchen		
Sample Number	S003	Extent	1 no		
Item / Position	Supalux panel	Material	Insulating Board		
Product Type		Scores	-		
Condition			-		
Surface Treatment			-		
Asbestos Type	No asbestos detected		-		
Material Assessment	N/A				
Substrate	Nailed to timber	Accessibility	-		
Main Photo		Close Up Photo			
					
Recommendation	No action required				
Comments	Metal roof, suspended ceiling has been removed, plasterboard walls with a ceramic covering, concrete floor with linoleum. Timber doors and frames. Unlagged copper pipework. Steel frame. Nailed to timber				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	1st Floor		
Location ID	019	Location	Kitchen		
Sample Number	X012	Extent	12 m ²		
Item / Position	Sarking felt	Material	Bituminous Product		
Product Type		Scores	-		
Condition			-		
Surface Treatment			-		
Asbestos Type	No asbestos detected		-		
Material Assessment	N/A				
Substrate	Nailed to timber	Accessibility	-		
Main Photo		Close Up Photo			
					
Recommendation	No action required				
Comments	Metal roof, suspended ceiling has been removed, plasterboard walls with a ceramic covering, concrete floor with linoleum. Timber doors and frames. Unlagged copper pipework. Steel frame. Nailed to timber				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	1st Floor		
Location ID	020	Location	Room 4		
Sample Number	X012	Extent	12 m ²		
Item / Position	Sarking felt	Material	Bituminous Product		
Product Type		Scores	-		
Condition			-		
Surface Treatment			-		
Asbestos Type	No asbestos detected		-		
Material Assessment	N/A				
Substrate	Nailed to timber	Accessibility	-		
Main Photo		Close Up Photo			
					
Recommendation	No action required				
Comments	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls with a woodchip covering, concrete floor with linoleum Timber door and frame. Plastic lagged copper pipework. Door header panels have been removed. Bagged MMMF and cotton insulation within ceiling void. Metal ducting Nailed to timber				

SAMPLE SHEETS

Client: LPS Construction Consultants
 Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	1st Floor		
Location ID	023	Location	Store cupboard		
Sample Number	X001	Extent	2 m ²		
Item / Position	Floortiles and bitumen adhesive	Material	Floor tiles & Bitumen		
Product Type		Scores	-		
Condition			-		
Surface Treatment			-		
Asbestos Type	No asbestos detected		-		
Material Assessment	N/A				
Substrate	Bonded to concrete	Accessibility	-		
Main Photo		Close Up Photo			
					
Recommendation	No action required				
Comments	Metal sheeted roof, timber tiled suspended ceiling, plasterboard walls, concrete floor with vinyl floortiles. Timber door and frame. Plastic flue pipes. Bonded to concrete				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	1st Floor		
Location ID	058	Location	Cupboard		
Sample Number	S017	Extent	2 m ²		
Item / Position	Floortiles	Material	Vinyl Floor Tile		
Product Type	Asbestos reinforced composites etc.	Scores	1		
Condition	Low Damage		1		
Surface Treatment	Self Sealed		0		
Asbestos Type	Chrysotile		1		
Material Assessment	Very Low		3		
Substrate	Bonded to concrete	Accessibility	Medium		
Main Photo		Close Up Photo			
					
Recommendation	Remove - NON-Licensed Material Removal by an asbestos contractor. This material is not licensed however may still be notifiable to the HSE prior to removal works taking place. All works must conform to the Control of Asbestos Regulations 2012.				
Comments	Bonded to concrete				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

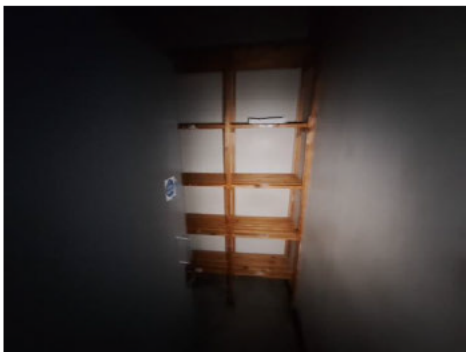
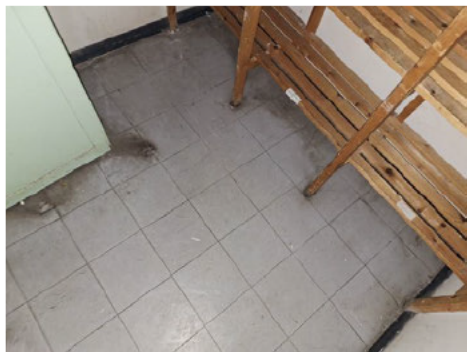
Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	Ground Floor		
Location ID	028	Location	Room 5		
Sample Number	S004	Extent	36 m ²		
Item / Position	Floortiles and bitumen adhesive	Material	Floor tiles & Bitumen		
Product Type	Asbestos reinforced composites etc.	Scores	1		
Condition	Good Condition		0		
Surface Treatment	Self Sealed		0		
Asbestos Type	Chrysotile		1		
Material Assessment	Very Low		2		
Substrate	Bonded to concrete	Accessibility	Low		
Main Photo		Close Up Photo			
					
Recommendation	Remove - NON-Licensed Material Removal by an asbestos contractor. This material is not licensed however may still be notifiable to the HSE prior to removal works taking place. All works must conform to the Control of Asbestos Regulations 2012.				
Comments	Cellulose tiled suspended ceiling, plasterboard walls, concrete floor with vinyl floortiles beneath linoleum beneath carpet. Timber door and frame. Timber window sill. Plastic lagged metal pipework. Metal ducting. Bonded to concrete				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

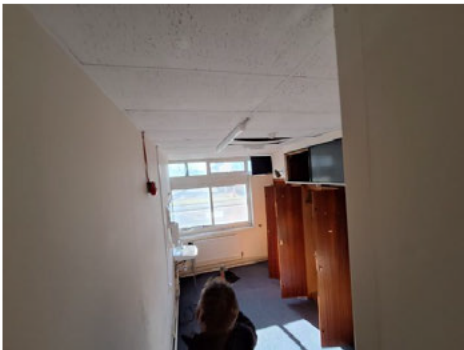
Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	Ground Floor		
Location ID	029	Location	Cupboard		
Sample Number	X004	Extent	36 m ²		
Item / Position	Floortiles and bitumen adhesive	Material	Floor tiles & Bitumen		
Product Type	Asbestos reinforced composites etc.	Scores	1		
Condition	Good Condition		0		
Surface Treatment	Self Sealed		0		
Asbestos Type	Chrysotile		1		
Material Assessment	Very Low		2		
Substrate	Bonded to concrete	Accessibility	High		
Main Photo		Close Up Photo			
					
Recommendation	Remove - NON-Licensed Material Removal by an asbestos contractor. This material is not licensed however may still be notifiable to the HSE prior to removal works taking place. All works must conform to the Control of Asbestos Regulations 2012.				
Comments	Cellulose tiled suspended ceiling, plasterboard walls, concrete floor with vinyl floortiles. Timber door and frame. Timber door header panel. Bonded to concrete				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

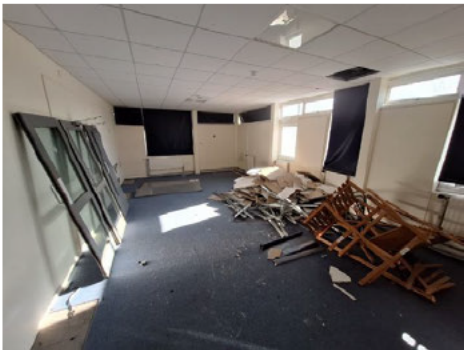
Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	Ground Floor		
Location ID	030	Location	Room 6		
Sample Number	X004	Extent	14 m ²		
Item / Position	Floortiles and bitumen adhesive	Material	Floor tiles & Bitumen		
Product Type	Asbestos reinforced composites etc.	Scores	1		
Condition	Good Condition		0		
Surface Treatment	Self Sealed		0		
Asbestos Type	Chrysotile		1		
Material Assessment	Very Low		2		
Substrate	Bonded to concrete	Accessibility	Low		
Main Photo		Close Up Photo			
					
Recommendation	Remove - NON-Licensed Material Removal by an asbestos contractor. This material is not licensed however may still be notifiable to the HSE prior to removal works taking place. All works must conform to the Control of Asbestos Regulations 2012.				
Comments	Cellulose tiled suspended ceiling, plasterboard walls, concrete floor with vinyl floortiles beneath carpet. Timber door and frame. Timber window sill. Plastic lagged metal pipework. Metal ducting. Bonded to concrete				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	Ground Floor		
Location ID	031	Location	Room 7		
Sample Number	X004	Extent	45 m ²		
Item / Position	Floortiles and bitumen adhesive	Material	Floor tiles & Bitumen		
Product Type	Asbestos reinforced composites etc.	Scores	1		
Condition	Good Condition		0		
Surface Treatment	Self Sealed		0		
Asbestos Type	Chrysotile		1		
Material Assessment	Very Low		2		
Substrate	Bonded to concrete	Accessibility	High		
Main Photo		Close Up Photo			
					
Recommendation	Remove - NON-Licensed Material Removal by an asbestos contractor. This material is not licensed however may still be notifiable to the HSE prior to removal works taking place. All works must conform to the Control of Asbestos Regulations 2012.				
Comments	Cellulose tiled suspended ceiling, plasterboard walls, concrete floor with vinyl floortiles beneath carpet. Timber door and frame. Timber window sill. Timber door header panel. Plastic lagged metal pipework. Metal ducting. Bonded to concrete				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

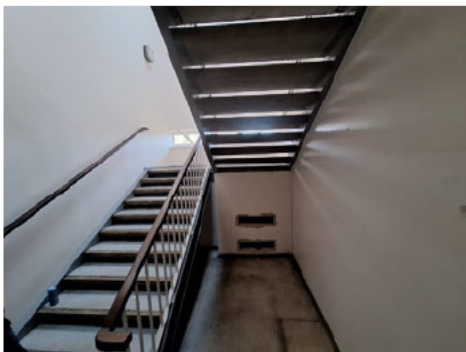
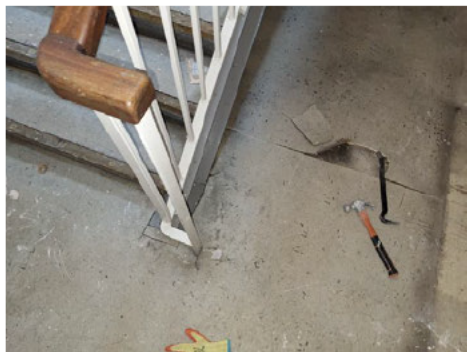
Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	Ground Floor		
Location ID	032	Location	Stair Lobby		
Sample Number	S013	Extent	1 no		
Item / Position	Door panel	Material	Insulating Board		
Product Type	Asbestos insulating board, millboards, gaskets & ropes etc.	Scores	2		
Condition	Good Condition		0		
Surface Treatment	Sealed		1		
Asbestos Type	Amosite		2		
Material Assessment	Low		5		
Substrate	Screwed to timber	Accessibility	High		
Main Photo		Close Up Photo			
					
Recommendation	Remove - Licensed Material Removal by a licensed asbestos contractor. This material is licensed therefore is subject to a 14 notification to the HSE prior to removal works taking place. All works must conform to the Control of Asbestos Regulations 2012.				
Comments	Cellulose tiled suspended ceiling, plasterboard walls, concrete floor with vinyl. Timber doors and frames. Steel beams. Concrete stairs. Screwed to timber				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	Ground Floor		
Location ID	032	Location	Stair Lobby		
Sample Number	S014	Extent	20 m ²		
Item / Position	Hessian backed vinyl	Material	Vinyl Products		
Product Type		Scores	-		
Condition			-		
Surface Treatment			-		
Asbestos Type	No asbestos detected		-		
Material Assessment	N/A				
Substrate	Bonded to concrete	Accessibility	-		
Main Photo		Close Up Photo			
					
Recommendation	No action required				
Comments	Cellulose tiled suspended ceiling, plasterboard walls, concrete floor with vinyl. Timber doors and frames. Steel beams. Concrete stairs. Bonded to concrete				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	Ground Floor		
Location ID	032	Location	Stair Lobby		
Sample Number	S019	Extent	50 m ²		
Item / Position	Aib lined wall	Material	Insulating Board		
Product Type	Asbestos insulating board, millboards, gaskets & ropes etc.	Scores	2		
Condition	High Damage		3		
Surface Treatment	Partially Unsealed		2		
Asbestos Type	Amosite		2		
Material Assessment	Medium		9		
Substrate	Lined in void	Accessibility	High		
Main Photo		Close Up Photo			
					
Recommendation	Remove - Licensed Material Removal by a licensed asbestos contractor. This material is licensed therefore is subject to a 14 notification to the HSE prior to removal works taking place. All works must conform to the Control of Asbestos Regulations 2012.				
Comments	Cellulose tiled suspended ceiling, plasterboard walls, concrete floor with vinyl. Timber doors and frames. Steel beams. Concrete stairs. Lined in void				

SAMPLE SHEETS

Client: LPS Construction Consultants
 Site: The Old Fire Station

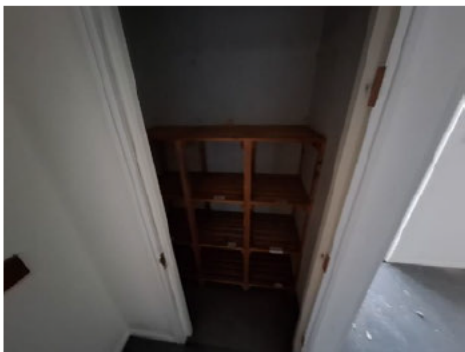
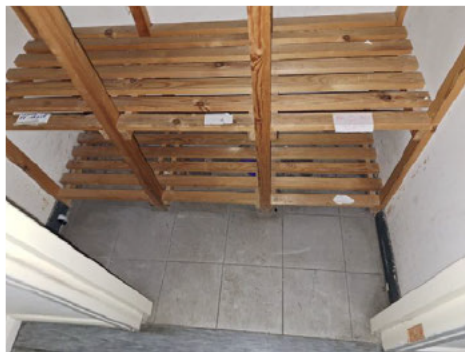
Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	Ground Floor		
Location ID	034	Location	Electrical cupboard		
Sample Number	S005	Extent	1 no		
Item / Position	Panel	Material	Insulating Board		
Product Type		Scores	-		
Condition			-		
Surface Treatment			-		
Asbestos Type	No asbestos detected		-		
Material Assessment	N/A				
Substrate	Bonded to frame	Accessibility	-		
Main Photo		Close Up Photo			
					
Recommendation	No action required				
Comments	Cellulose tiled, plasterboard and supalux suspended ceiling, brick walls, concrete floor with timber. Timber door and frame. Modern electrical units. Metal ducting. Bonded to frame				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	Ground Floor		
Location ID	036	Location	Cupboard		
Sample Number	X004	Extent	2 m ²		
Item / Position	Floortiles and bitumen adhesive	Material	Floor tiles & Bitumen		
Product Type	Asbestos reinforced composites etc.	Scores	1		
Condition	Good Condition		0		
Surface Treatment	Self Sealed		0		
Asbestos Type	Chrysotile		1		
Material Assessment	Very Low		2		
Substrate	Bonded to concrete	Accessibility	High		
Main Photo		Close Up Photo			
					
Recommendation	Remove - NON-Licensed Material Removal by an asbestos contractor. This material is not licensed however may still be notifiable to the HSE prior to removal works taking place. All works must conform to the Control of Asbestos Regulations 2012.				
Comments	Cellulose tiled suspended ceiling, plasterboard walls, concrete floor with vinyl floortiles. Timber door and frame. Timber door header panel. Bonded to concrete				

SAMPLE SHEETS

Client: LPS Construction Consultants
 Site: The Old Fire Station

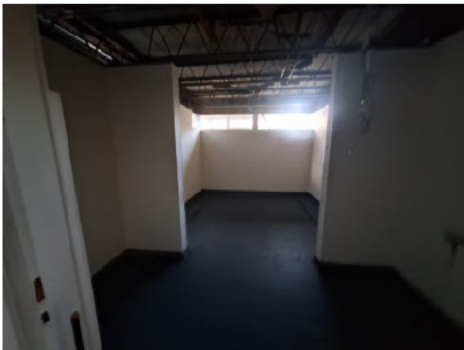
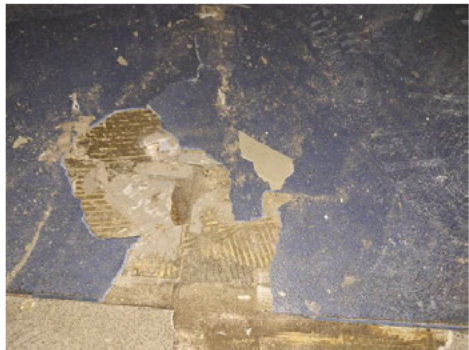
Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	Ground Floor		
Location ID	040	Location	Gas room		
Sample Number	P	Extent	1 no		
Item / Position	Electrical box	Material	Gaskets (compressed)		
Product Type	Asbestos insulating board, millboards, gaskets & ropes etc.	Scores	2		
Condition	Good Condition		0		
Surface Treatment	Partially Unsealed		2		
Asbestos Type	Presumed Chrysotile		1		
Material Assessment	Low		5		
Substrate	Enclosed within	Accessibility	Low		
Main Photo		Close Up Photo			
					
Recommendation	Inaccessible Items / Strongly Presumed Inaccessible item. Isolation, access and sampling will be required prior to any works which may disturb the presumed item.				
Comments	Steel beams, brick walls, concrete floor. Ceiling has been removed. Enclosed within				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	Ground Floor		
Location ID	041	Location	Room 8		
Sample Number	S015	Extent	25 m ²		
Item / Position	Floortiles	Material	Thermoplastic Floor Tile		
Product Type	Asbestos reinforced composites etc.	Scores	1		
Condition	Low Damage		1		
Surface Treatment	Self Sealed		0		
Asbestos Type	Chrysotile		1		
Material Assessment	Very Low		3		
Substrate	Bonded to concrete	Accessibility	Medium		
Main Photo		Close Up Photo			
					
Recommendation	Remove - NON-Licensed Material Removal by an asbestos contractor. This material is not licensed however may still be notifiable to the HSE prior to removal works taking place. All works must conform to the Control of Asbestos Regulations 2012.				
Comments	Steel beams, ceiling tiles have been removed, plasterboard walls, concrete floor with linoleum. Timber door frame. Plasterboard beam cladding. MMMF lagged copper pipework within ceiling void. Bonded to concrete				

SAMPLE SHEETS

Client: LPS Construction Consultants
 Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	Ground Floor		
Location ID	041	Location	Room 8		
Sample Number	X019	Extent	50 m ²		
Item / Position	Aib lined wall	Material	Insulating Board		
Product Type	Asbestos insulating board, millboards, gaskets & ropes etc.	Scores	2		
Condition	High Damage		3		
Surface Treatment	Partially Unsealed		2		
Asbestos Type	Amosite		2		
Material Assessment	Medium		9		
Substrate	Nailed to timber	Accessibility	High		
Main Photo		Close Up Photo			
					
Recommendation	Remove - Licensed Material Removal by a licensed asbestos contractor. This material is licensed therefore is subject to a 14 notification to the HSE prior to removal works taking place. All works must conform to the Control of Asbestos Regulations 2012.				
Comments	Steel beams, ceiling tiles have been removed, plasterboard walls, concrete floor with linoleum. Timber door frame. Plasterboard beam cladding. MMMF lagged copper pipework within ceiling void. Nailed to timber				

SAMPLE SHEETS

Client: LPS Construction Consultants
 Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	Ground Floor		
Location ID	042	Location	Lobby		
Sample Number	S016	Extent	1 no		
Item / Position	Panel	Material	Cement Product		
Product Type	Asbestos reinforced composites etc.	Scores	1		
Condition	Low Damage		1		
Surface Treatment	Sealed		1		
Asbestos Type	Chrysotile		1		
Material Assessment	Very Low		4		
Substrate	Nailed to timber	Accessibility	High		
Main Photo		Close Up Photo			
					
Recommendation	Remove - NON-Licensed Material Removal by an asbestos contractor. This material is not licensed however may still be notifiable to the HSE prior to removal works taking place. All works must conform to the Control of Asbestos Regulations 2012.				
Comments	Metal roof, steel beams, ceiling tiles have been removed, plasterboard walls, concrete floor with linoleum. Timber door frame. Plasterboard beam cladding. MMMF lagged copper pipework within ceiling void. Metal ducting Insulating board within timber boxing. Nailed to timber				

SAMPLE SHEETS

Client: LPS Construction Consultants
 Site: The Old Fire Station

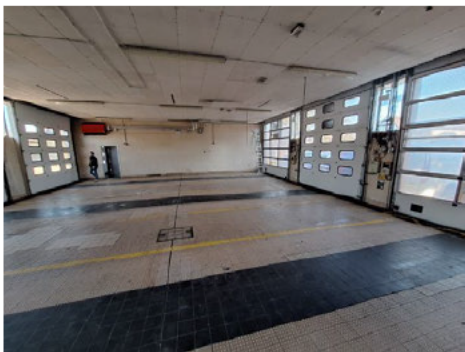
Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	Ground Floor		
Location ID	042	Location	Lobby		
Sample Number	S026	Extent	2 lin m		
Item / Position	Boxing	Material	Insulating Board		
Product Type	Asbestos insulating board, millboards, gaskets & ropes etc.	Scores	2		
Condition	Good Condition		0		
Surface Treatment	Partially Unsealed		2		
Asbestos Type	Amosite		2		
Material Assessment	Low		6		
Substrate	Nailed to timber	Accessibility	Medium		
Main Photo		Close Up Photo			
					
Recommendation	Remove - Licensed Material Removal by a licensed asbestos contractor. This material is licensed therefore is subject to a 14 notification to the HSE prior to removal works taking place. All works must conform to the Control of Asbestos Regulations 2012.				
Comments	Metal roof, steel beams, ceiling tiles have been removed, plasterboard walls, concrete floor with linoleum. Timber door frame. Plasterboard beam cladding. MMMF lagged copper pipework within ceiling void. Metal ducting Insulating board within timber boxing. Nailed to timber				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	Ground Floor		
Location ID	043	Location	Truck store		
Sample Number	S006	Extent	180 m ²		
Item / Position	Ceiling tiles	Material	Insulating Board		
Product Type		Scores	-		
Condition			-		
Surface Treatment			-		
Asbestos Type	No asbestos detected		-		
Material Assessment	N/A				
Substrate	Screwed to timber	Accessibility	-		
Main Photo		Close Up Photo			
					
Recommendation	No action required				
Comments	Metal sheeted roof, supalux suspended ceiling, solid plastered brick, concrete floor with ceramic tiles. Metal roll down doors. Heaters. Modern electrics. MMMF lagged copper pipework. Screwed to timber				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	Ground Floor		
Location ID	045	Location	Store room		
Sample Number	S007	Extent	3 m ²		
Item / Position	Bitumen felt	Material	Bituminous Product		
Product Type	Asbestos reinforced composites etc.	Scores	1		
Condition	Low Damage		1		
Surface Treatment	Self Sealed		0		
Asbestos Type	Chrysotile		1		
Material Assessment	Very Low		3		
Substrate	Bonded to brick	Accessibility	Medium		
Main Photo		Close Up Photo			
					
Recommendation	Remove - NON-Licensed Material Removal by an asbestos contractor. This material is not licensed however may still be notifiable to the HSE prior to removal works taking place. All works must conform to the Control of Asbestos Regulations 2012.				
Comments	Concrete ceiling with a cellulose tiled suspended ceiling, brick walls, concrete floor. Timber doors and frames. Metal ducting. Steel beams. Plastic and MMMF lagged copper pipework. Bonded to brick				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

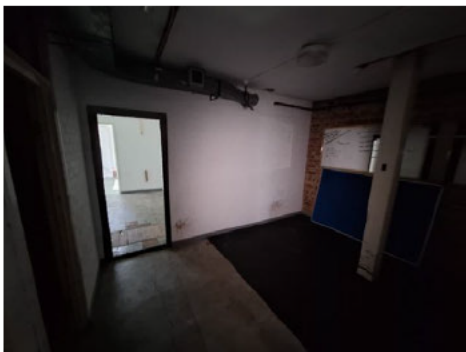
Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	Ground Floor		
Location ID	049	Location	Lobby		
Sample Number	S008	Extent	9 m ²		
Item / Position	Floortiles	Material	Vinyl Floor Tile		
Product Type	Asbestos reinforced composites etc.	Scores	1		
Condition	Low Damage		1		
Surface Treatment	Self Sealed		0		
Asbestos Type	Chrysotile		1		
Material Assessment	Very Low		3		
Substrate	Bonded to concrete	Accessibility	High		
Main Photo		Close Up Photo			
					
Recommendation	Remove - NON-Licensed Material Removal by an asbestos contractor. This material is not licensed however may still be notifiable to the HSE prior to removal works taking place. All works must conform to the Control of Asbestos Regulations 2012.				
Comments	Concrete ceiling, brick walls, concrete floor with thermoplastic floortiles Metal doors and frames. Unlagged copper pipework. Bonded to concrete				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	Ground Floor		
Location ID	050	Location	Gym room 2		
Sample Number	S009	Extent	1 m ²		
Item / Position	Mastic to ducting	Material	Mastic		
Product Type		Scores	-		
Condition			-		
Surface Treatment			-		
Asbestos Type	No asbestos detected		-		
Material Assessment	N/A				
Substrate	Bonded to metal	Accessibility	-		
Main Photo		Close Up Photo			
					
Recommendation	No action required				
Comments	Concrete ceiling, brick walls, concrete floor. Metal door and frame. Metal beam. Metal ducting. Unlagged copper pipework. Bonded to metal				

SAMPLE SHEETS

Client: LPS Construction Consultants
 Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	Ground Floor		
Location ID	051	Location	Utility room		
Sample Number	S010	Extent	1 no		
Item / Position	Door	Material	Insulation		
Product Type		Scores	-		
Condition			-		
Surface Treatment			-		
Asbestos Type	No asbestos detected		-		
Material Assessment	N/A				
Substrate	Within timber door	Accessibility	-		
Main Photo		Close Up Photo			
					
Recommendation	No action required				
Comments	Concrete ceiling, brick walls, concrete floor. Timber door frame. Unlagged copper pipework. Within timber door				

SAMPLE SHEETS

Client: LPS Construction Consultants
 Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	Ground Floor		
Location ID	054	Location	Store room 3		
Sample Number	S011	Extent	1 no		
Item / Position	Door	Material	Insulation		
Product Type		Scores	-		
Condition			-		
Surface Treatment			-		
Asbestos Type	No asbestos detected		-		
Material Assessment	N/A				
Substrate	Within timber door	Accessibility	-		
Main Photo		Close Up Photo			
					
Recommendation	No action required				
Comments	Concrete ceiling, brick walls, concrete floor. Timber door and frame. Timber door header panel. Unlagged copper pipework. Within timber door				

SAMPLE SHEETS

Client: LPS Construction Consultants
 Site: The Old Fire Station

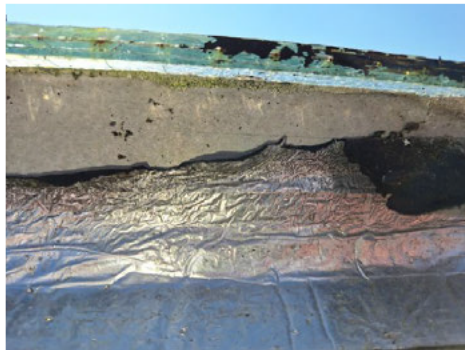
Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	Ground Floor		
Location ID	055	Location	Gym room 4 including cupboards		
Sample Number	X009	Extent	1 m ²		
Item / Position	Mastic to ducting	Material	Mastic		
Product Type		Scores	-		
Condition			-		
Surface Treatment			-		
Asbestos Type	No asbestos detected		-		
Material Assessment	N/A				
Substrate	Bonded to metal	Accessibility	-		
Main Photo		Close Up Photo			
					
Recommendation	No action required				
Comments	Concrete ceiling, brick walls, concrete floor. Timber doors and frames. Metal beam. Metal ducting. Unlagged copper pipework. Bonded to metal				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	External		
Location ID	060	Location	Roof		
Sample Number	S020	Extent	30 m ²		
Item / Position	Mastic to skylights	Material	Mastic		
Product Type	Asbestos reinforced composites etc.	Scores	1		
Condition	Good Condition		0		
Surface Treatment	Sealed		1		
Asbestos Type	Chrysotile		1		
Material Assessment	Very Low		3		
Substrate	Bonded to metal	Accessibility	Low		
Main Photo		Close Up Photo			
					
Recommendation	Remove - NON-Licensed Material Removal by an asbestos contractor. This material is not licensed however may still be notifiable to the HSE prior to removal works taking place. All works must conform to the Control of Asbestos Regulations 2012.				
Comments	Bitumen flat roof, brick walls, skylights, plastic flue pipes, lead flashing. Bonded to metal				

SAMPLE SHEETS

Client: LPS Construction Consultants
 Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	External		
Location ID	060	Location	Roof		
Sample Number	S021	Extent	m ²		
Item / Position	Roofing felt	Material	Bituminous Product		
Product Type		Scores	-		
Condition			-		
Surface Treatment			-		
Asbestos Type	No asbestos detected		-		
Material Assessment	N/A				
Substrate	Bonded to timber	Accessibility	-		
Main Photo		Close Up Photo			
					
Recommendation	No action required				
Comments	Bitumen flat roof, brick walls, skylights, plastic flue pipes, lead flashing. Bonded to timber				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	External		
Location ID	060	Location	Roof		
Sample Number	S022	Extent	2 m ²		
Item / Position	Damp proof coursing	Material	Bituminous Product		
Product Type	Asbestos reinforced composites etc.	Scores	1		
Condition	Low Damage		1		
Surface Treatment	Self Sealed		0		
Asbestos Type	Chrysotile		1		
Material Assessment	Very Low		3		
Substrate	Bonded to brick	Accessibility	Low		
Main Photo		Close Up Photo			
					
Recommendation	Remove - NON-Licensed Material Removal by an asbestos contractor. This material is not licensed however may still be notifiable to the HSE prior to removal works taking place. All works must conform to the Control of Asbestos Regulations 2012.				
Comments	Bonded to brick				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	External		
Location ID	061	Location	Externals		
Sample Number	X012	Extent	100 m ²		
Item / Position	Sarking felt	Material	Bituminous Product		
Product Type		Scores	-		
Condition			-		
Surface Treatment			-		
Asbestos Type	No asbestos detected		-		
Material Assessment	N/A		-		
Substrate	Nailed to timber	Accessibility	-		
Main Photo		Close Up Photo			
					
Recommendation	No action required				
Comments	Flat roof, brick walls with upvc and clay tiled cladding, concrete floor. Steel and timber beams. Metal and timber doors and frames. Upvc and timber window frames. Timber cladding. Metal ducting. Metal roll down doors. Lead flashing Metal sheets covering doors. Nailed to timber				

SAMPLE SHEETS

Client: LPS Construction Consultants
 Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	External		
Location ID	061	Location	Externals		
Sample Number	S023	Extent	100 m ²		
Item / Position	Packing above cladding	Material	Cement Product		
Product Type		Scores	-		
Condition			-		
Surface Treatment			-		
Asbestos Type	No asbestos detected		-		
Material Assessment	N/A				
Substrate	Screwed to timber	Accessibility	-		
Main Photo		Close Up Photo			
					
Recommendation	No action required				
Comments	Flat roof, brick walls with upvc and clay tiled cladding, concrete floor. Steel and timber beams. Metal and timber doors and frames. Upvc and timber window frames. Timber cladding. Metal ducting. Screwed to timber				

SAMPLE SHEETS

Client: LPS Construction Consultants
Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	External		
Location ID	061	Location	Externals		
Sample Number	S024	Extent	5 no		
Item / Position	Soil pipes	Material	Cement Product		
Product Type	Asbestos reinforced composites etc.	Scores	1		
Condition	Good Condition		0		
Surface Treatment	Sealed		1		
Asbestos Type	Chrysotile		1		
Material Assessment	Very Low		3		
Substrate	Bonded to brick	Accessibility	High		
Main Photo		Close Up Photo			
					
Recommendation	Remove - NON-Licensed Material Removal by an asbestos contractor. This material is not licensed however may still be notifiable to the HSE prior to removal works taking place. All works must conform to the Control of Asbestos Regulations 2012.				
Comments	Flat roof, brick walls with upvc and clay tiled cladding, concrete floor. Steel and timber beams. Metal and timber doors and frames. Upvc and timber window frames. Timber cladding. Metal ducting. Metal roll down doors. Lead flashing Metal sheets covering doors. Bonded to brick				

SAMPLE SHEETS

Client: LPS Construction Consultants
 Site: The Old Fire Station

Date Surveyed: 17/03/2026 to 20/03/2026

Building:	The Old Fire Station	Floor	External		
Location ID	061	Location	Externals		
Sample Number	S025	Extent	5 no		
Item / Position	AIB within timber canopy	Material	Insulating Board		
Product Type	Asbestos insulating board, millboards, gaskets & ropes etc.	Scores	2		
Condition	Medium Damage		2		
Surface Treatment	Partially Unsealed		2		
Asbestos Type	Amosite		2		
Material Assessment	Medium		8		
Substrate	Nailed to timber	Accessibility	High		
Main Photo		Close Up Photo			
					
Recommendation	Remove - Licensed Material Removal by a licensed asbestos contractor. This material is licensed therefore is subject to a 14 notification to the HSE prior to removal works taking place. All works must conform to the Control of Asbestos Regulations 2012.				
Comments	Flat roof, brick walls with upvc and clay tiled cladding, concrete floor. Steel and timber beams. Metal and timber doors and frames. Upvc and timber window frames. Timber cladding. Metal ducting. Metal roll down doors. Lead flashing Metal sheets covering doors. Nailed to timber				

10.0 ASBESTOS REGISTER

The Old Fire Station												
Floor	Area / Room	Accessibility	Material	Substrate	Extent	Product Type	Condition	Surface Treatment	Sample Number	Asbestos Type	Material Score	Recommended Action
1st Floor	003 - Ladies changing room	High	Floor tiles Thermoplastic Floor Tile	Bonded to concrete	12 m ²	1	0	0	S018	1 (Chrysotile)	2 - Very Low	Remove - NON-Licensed Material
1st Floor	006 - Commanders office	Medium	Floor tiles Vinyl Floor Tile	Bonded to concrete	20 m ²	1	0	0	X017	1 (Chrysotile)	2 - Very Low	Remove - NON-Licensed Material
1st Floor	058 - Cupboard	Medium	Floortiles Vinyl Floor Tile	Bonded to concrete	2 m ²	1	1	0	S017	1 (Chrysotile)	3 - Very Low	Remove - NON-Licensed Material
Ground Floor	028 - Room 5	Low	Floortiles and bitumen adhesive Floor tiles & Bitumen	Bonded to concrete	36 m ²	1	0	0	S004	1 (Chrysotile)	2 - Very Low	Remove - NON-Licensed Material
Ground Floor	029 - Cupboard	High	Floortiles and bitumen adhesive Floor tiles & Bitumen	Bonded to concrete	36 m ²	1	0	0	X004	1 (Chrysotile)	2 - Very Low	Remove - NON-Licensed Material
Ground Floor	030 - Room 6	Low	Floortiles and bitumen adhesive Floor tiles & Bitumen	Bonded to concrete	14 m ²	1	0	0	X004	1 (Chrysotile)	2 - Very Low	Remove - NON-Licensed Material
Ground Floor	031 - Room 7	High	Floortiles and bitumen adhesive Floor tiles & Bitumen	Bonded to concrete	45 m ²	1	0	0	X004	1 (Chrysotile)	2 - Very Low	Remove - NON-Licensed Material
Ground Floor	032 - Stair Lobby	High	Door panel Insulating Board	Screwed to timber	1 no	2	0	1	S013	2 (Amosite)	5 - Low	Remove - Licensed Material

ASBESTOS REGISTER

Client: LPS Construction Consultants

Date Surveyed: 17/03/2026 to 20/03/2026

Site: The Old Fire Station

The Old Fire Station												
Floor	Area / Room	Accessibility	Material	Substrate	Extent	Product Type	Condition	Surface Treatment	Sample Number	Asbestos Type	Material Score	Recommended Action
Ground Floor	032 - Stair Lobby	High	Aib lined wall Insulating Board	Lined in void	50 m ²	2	3	2	S019	2 (Amosite)	9 - Medium	Remove - Licensed Material
Ground Floor	036 - Cupboard	High	Floortiles and bitumen adhesive Floor tiles & Bitumen	Bonded to concrete	2 m ²	1	0	0	X004	1 (Chrysotile)	2 - Very Low	Remove - NON-Licensed Material
Ground Floor	040 - Gas room	Low	Electrical box Gaskets (compressed)	Enclosed within	1 no	2	0	2	P	1 (Chrysotile)	5 - Low	Inaccessible Items / Strongly Presumed
Ground Floor	041 - Room 8	Medium	Floortiles Thermoplastic Floor Tile	Bonded to concrete	25 m ²	1	1	0	S015	1 (Chrysotile)	3 - Very Low	Remove - NON-Licensed Material
Ground Floor	041 - Room 8	High	Aib lined wall Insulating Board	Nailed to timber	50 m ²	2	3	2	X019	2 (Amosite)	9 - Medium	Remove - Licensed Material
Ground Floor	042 - Lobby	High	Panel Cement Product	Nailed to timber	1 no	1	1	1	S016	1 (Chrysotile)	4 - Very Low	Remove - NON-Licensed Material
Ground Floor	042 - Lobby	Medium	Boxing Insulating Board	Nailed to timber	2 lin m	2	0	2	S026	2 (Amosite)	6 - Low	Remove - Licensed Material
Ground Floor	045 - Store room	Medium	Bitumen felt Bituminous Product	Bonded to brick	3 m ²	1	1	0	S007	1 (Chrysotile)	3 - Very Low	Remove - NON-Licensed Material
Ground Floor	049 - Lobby	High	Floortiles Vinyl Floor Tile	Bonded to concrete	9 m ²	1	1	0	S008	1 (Chrysotile)	3 - Very Low	Remove - NON-Licensed Material
External	060 - Roof	Low	Mastic to skylights Mastic	Bonded to metal	30 m ²	1	0	1	S020	1 (Chrysotile)	3 - Very Low	Remove - NON-Licensed Material

ASBESTOS REGISTER

Client: LPS Construction Consultants

Date Surveyed: 17/03/2026 to 20/03/2026

Site: The Old Fire Station

The Old Fire Station												
Floor	Area / Room	Accessibility	Material	Substrate	Extent	Product Type	Condition	Surface Treatment	Sample Number	Asbestos Type	Material Score	Recommended Action
External	060 - Roof	Low	Damp proof coursing Bituminous Product	Bonded to brick	2 m ²	1	1	0	S022	1 (Chrysotile)	3 - Very Low	Remove - NON-Licensed Material
External	061 - Externals	High	Soil pipes Cement Product	Bonded to brick	5 no	1	0	1	S024	1 (Chrysotile)	3 - Very Low	Remove - NON-Licensed Material
External	061 - Externals	High	AIB within timber canopy Insulating Board	Nailed to timber	5 no	2	2	2	S025	2 (Amosite)	8 - Medium	Remove - Licensed Material

NON-ASBESTOS REGISTER

Client: LPS Construction Consultants

Date Surveyed: 17/03/2026 to 20/03/2026

Site: The Old Fire Station

11.0 NON-ASBESTOS REGISTER

The Old Fire Station												
Floor	Area / Room	Accessibility	Material	Substrate	Extent	Product Type	Condition	Surface Treatment	Sample Number	Asbestos Type	Material Score	Recommended Action
1st Floor	001 - Bar	High	Floortiles and bitumen adhesive Floor tiles & Bitumen	Bonded to concrete	10 m ²	-	-	-	S001	0 (NAD)	0	No action required
1st Floor	001 - Bar	High	Sink pad Bituminous Product	Bonded to metal	1 no	-	-	-	S002	0 (NAD)	0	No action required
1st Floor	002 - Common room	Medium	Sarking felt Bituminous Product	Nailed to timber	25 m ²	-	-	-	X012	0 (NAD)	0	No action required
1st Floor	003 - Ladies changing room	High	Sarking felt Bituminous Product	Nailed to timber	9 m ²	-	-	-	X012	0 (NAD)	0	No action required
1st Floor	004 - Ladies toilets	Low	Sarking felt Bituminous Product	Nailed to timber	9 m ²	-	-	-	X012	0 (NAD)	0	No action required
1st Floor	006 - Commanders office	Low	Sarking felt Bituminous Product	Nailed to timber	3 m ²	-	-	-	X012	0 (NAD)	0	No action required
1st Floor	007 - Training room	Medium	Sarking felt Bituminous Product	Nailed to timber	10 m ²	-	-	-	X012	0 (NAD)	0	No action required
1st Floor	008 - Room 1	Medium	Sarking felt Bituminous Product	Nailed to timber	10 m ²	-	-	-	X012	0 (NAD)	0	No action required

NON-ASBESTOS REGISTER

Client: LPS Construction Consultants

Date Surveyed: 17/03/2026 to 20/03/2026

Site: The Old Fire Station

The Old Fire Station												
Floor	Area / Room	Accessibility	Material	Substrate	Extent	Product Type	Condition	Surface Treatment	Sample Number	Asbestos Type	Material Score	Recommended Action
1st Floor	009 - Fire safety room	Medium	Sarking felt Bituminous Product	Nailed to timber	32 m ²	-	-	-	X012	0 (NAD)	0	No action required
1st Floor	010 - Fire safety room 2	Medium	Sarking felt Bituminous Product	Nailed to timber	20 m ²	-	-	-	S012	0 (NAD)	0	No action required
1st Floor	011 - Room 2	Medium	Sarking felt Bituminous Product	Nailed to timber	9 m ²	-	-	-	X012	0 (NAD)	0	No action required
1st Floor	012 - Room 3	Low	Sarking felt Bituminous Product	Nailed to timber	9 m ²	-	-	-	X012	0 (NAD)	0	No action required
1st Floor	019 - Kitchen	High	Supalux panel Insulating Board	Nailed to timber	1 no	-	-	-	S003	0 (NAD)	0	No action required
1st Floor	019 - Kitchen	Low	Sarking felt Bituminous Product	Nailed to timber	12 m ²	-	-	-	X012	0 (NAD)	0	No action required
1st Floor	020 - Room 4	Low	Sarking felt Bituminous Product	Nailed to timber	12 m ²	-	-	-	X012	0 (NAD)	0	No action required
1st Floor	023 - Store cupboard	High	Floortiles and bitumen adhesive Floor tiles & Bitumen	Bonded to concrete	2 m ²	-	-	-	X001	0 (NAD)	0	No action required
Ground Floor	032 - Stair Lobby	High	Hessian backed vinyl Vinyl Products	Bonded to concrete	20 m ²	-	-	-	S014	0 (NAD)	0	No action required

NON-ASBESTOS REGISTER

Client: LPS Construction Consultants

Date Surveyed: 17/03/2026 to 20/03/2026

Site: The Old Fire Station

The Old Fire Station												
Floor	Area / Room	Accessibility	Material	Substrate	Extent	Product Type	Condition	Surface Treatment	Sample Number	Asbestos Type	Material Score	Recommended Action
Ground Floor	034 - Electrical cupboard	Medium	Panel Insulating Board	Bonded to frame	1 no	-	-	-	S005	0 (NAD)	0	No action required
Ground Floor	043 - Truck store	Low	Ceiling tiles Insulating Board	Screwed to timber	180 m ²	-	-	-	S006	0 (NAD)	0	No action required
Ground Floor	050 - Gym room 2	High	Mastic to ducting Mastic	Bonded to metal	1 m ²	-	-	-	S009	0 (NAD)	0	No action required
Ground Floor	051 - Utility room	Medium	Door Insulation	Within timber door	1 no	-	-	-	S010	0 (NAD)	0	No action required
Ground Floor	054 - Store room 3	High	Door Insulation	Within timber door	1 no	-	-	-	S011	0 (NAD)	0	No action required
Ground Floor	055 - Gym room 4 including cupboards	High	Mastic to ducting Mastic	Bonded to metal	1 m ²	-	-	-	X009	0 (NAD)	0	No action required
External	060 - Roof	Low	Roofing felt Bituminous Product	Bonded to timber	m ²	-	-	-	S021	0 (NAD)	0	No action required
External	061 - Externals	Low	Sarking felt Bituminous Product	Nailed to timber	100 m ²	-	-	-	X012	0 (NAD)	0	No action required
External	061 - Externals	Medium	Packing above cladding Cement Product	Screwed to timber	100 m ²	-	-	-	S023	0 (NAD)	0	No action required

NON-SUSPECT REGISTER

Client: LPS Construction Consultants

Date Surveyed: 17/03/2026 to 20/03/2026

Site: The Old Fire Station

12.0 NON-SUSPECT REGISTER

Building	Floor	Location Name and Description	Items	Notes	Main Photo	Close Up Photo
The Old Fire Station	1st Floor	001 - Bar	Floor : Concrete Floor covering : Vinyl Floor Covering Floortiles and bitumen adhesive: Floor tiles & Bitumen Roof : Profiled metal sheeting Sink pad: Bituminous Product Suspended ceiling : Vegetable Fibre Board Walls: Plaster Board	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls with a woodchip covering, concrete floor with floortiles. Timber door and frame. Unlagged copper and plastic pipework.		
The Old Fire Station	1st Floor	001 - Bar	Floor : Concrete Floor covering : Vinyl Floor Covering Floortiles and bitumen adhesive: Floor tiles & Bitumen Roof : Profiled metal sheeting Sink pad: Bituminous Product Suspended ceiling : Vegetable Fibre Board Walls: Plaster Board	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls with a woodchip covering, concrete floor with floortiles. Timber door and frame. Unlagged copper and plastic pipework. Steel and timber beams within ceiling void.		

NON-SUSPECT REGISTER

Client: LPS Construction Consultants

Date Surveyed: 17/03/2026 to 20/03/2026

Site: The Old Fire Station

Building	Floor	Location Name and Description	Items	Notes	Main Photo	Close Up Photo
The Old Fire Station	1st Floor	002 - Common room	Floor : Concrete Floor covering : Carpeted / carpet tiled Roof : Profiled metal sheeting Sarking felt: Bituminous Product Suspended ceiling : Vegetable Fibre Board Walls: Plaster Board	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls with a woodchip covering, concrete floor with carpet. Concrete beams. Timber doors and frames. Foamlagged copper pipework. Plasterboard door header panels. Bagged MMMF and cotton insulation within ceiling void.		
The Old Fire Station	1st Floor	003 - Ladies changing room	Floor : Concrete Floor covering : Carpeted / carpet tiled Roof : Profiled metal sheeting Sarking felt: Bituminous Product Suspended ceiling : Vegetable Fibre Board Walls: Plaster Board	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls with a woodchip covering, concrete floor with linoleum. Steel frame. Timber doors and frames. Plastic lagged copper pipework. Timber door header panels. Timber boxing. MMMF insulation within ceiling void.		

NON-SUSPECT REGISTER

Client: LPS Construction Consultants

Date Surveyed: 17/03/2026 to 20/03/2026

Site: The Old Fire Station

Building	Floor	Location Name and Description	Items	Notes	Main Photo	Close Up Photo
The Old Fire Station	1st Floor	004 - Ladies toilets	Floor: Concrete Floor covering: Linoleum covered Roof : Profiled metal sheeting Sarking felt: Bituminous Product Walls: Plaster Board	Metal roof, suspended ceiling had been removed, plasterboard walls, concrete floor with linoleum. Timber doors and frames. Plastic lagged copper pipework. Ceramic toilet cisterns with plastic soil pipes. Timber boxing.		
The Old Fire Station	1st Floor	005 - Ladies showers	Floor: Concrete Floor covering: Linoleum covered Roof : Profiled metal sheeting Walls: Plaster Board	Metal roof, suspended ceiling had been removed, plasterboard walls, concrete floor with linoleum. Timber doors and frames. Plastic lagged copper pipework. Glass door header panels.		
The Old Fire Station	1st Floor	006 - Commanders office	Floor : Concrete Floor covering : Carpeted / carpet tiled Roof : Profiled metal sheeting Sarking felt : Bituminous Product Suspended ceiling : Vegetable Fibre Board Walls: Plaster Board	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls, concrete floor with carpet. Timber door and frame. Plastic lagged copper pipework. Plasterboard door header panel. Bagged MMMF and cotton insulation within ceiling void.		

NON-SUSPECT REGISTER

Client: LPS Construction Consultants

Date Surveyed: 17/03/2026 to 20/03/2026

Site: The Old Fire Station

Building	Floor	Location Name and Description	Items	Notes	Main Photo	Close Up Photo
The Old Fire Station	1st Floor	007 - Training room	Floor : Concrete Floor covering : Carpeted / carpet tiled Roof : Clay Tiles Sarking felt : Bituminous Product Suspended ceiling : Vegetable Fibre Board Walls: Plaster Board	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls, concrete floor with carpet. Timber door and frame. Plastic lagged copper pipework. Plasterboard door header panel. Bagged MMMF and cotton insulation within ceiling void.		
The Old Fire Station	1st Floor	008 - Room 1	Floor : Concrete Floor covering : Carpeted / carpet tiled Roof : Profiled metal sheeting Sarking felt : Bituminous Product Suspended ceiling : Vegetable Fibre Board Walls: Plaster Board	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls, concrete floor with carpet. Timber door and frame. Plastic lagged copper pipework. Plasterboard door header panel. Bagged MMMF and cotton insulation within ceiling void.		

NON-SUSPECT REGISTER

Client: LPS Construction Consultants

Date Surveyed: 17/03/2026 to 20/03/2026

Site: The Old Fire Station

Building	Floor	Location Name and Description	Items	Notes	Main Photo	Close Up Photo
The Old Fire Station	1st Floor	009 - Fire safety room	Floor : Concrete Floor covering : Carpeted / carpet tiled Roof : Profiled metal sheeting Sarking felt: Bituminous Product Suspended ceiling : Vegetable Fibre Board Walls: Plaster Board	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls, concrete floor with carpet. Timber door and frame. Plastic lagged copper pipework. Timber door header panel. Bagged MMMF and cotton insulation within ceiling void. Bitumen felt and polystyrene within wall cavities. Plastic flue pipe within plasterboard boxing.		
The Old Fire Station	1st Floor	010 - Fire safety room 2	Floor : Concrete Floor covering : Carpeted / carpet tiled Roof : Profiled metal sheeting Sarking felt: Bituminous Product Suspended ceiling : Vegetable Fibre Board Walls: Plaster Board	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls, concrete floor with carpet. Timber door and frame. Plastic lagged copper pipework. Timber door header panel. Bagged MMMF and cotton insulation within ceiling void. Metal ducting. Bitumen felt and polystyrene within wall cavities.		

NON-SUSPECT REGISTER

Client: LPS Construction Consultants

Date Surveyed: 17/03/2026 to 20/03/2026

Site: The Old Fire Station

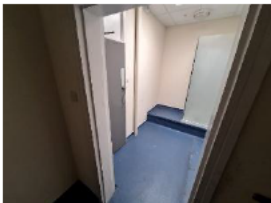
Building	Floor	Location Name and Description	Items	Notes	Main Photo	Close Up Photo
The Old Fire Station	1st Floor	011 - Room 2	Floor : Concrete Floor covering : Carpeted / carpet tiled Roof : Profiled metal sheeting Sarking felt : Bituminous Product Suspended ceiling : Vegetable Fibre Board Walls: Plaster Board	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls, concrete floor with carpet. Timber door and frame. Plastic lagged copper pipework. Timber door header panel. Bagged MMMF and cotton insulation within ceiling void. Metal ducting		
The Old Fire Station	1st Floor	012 - Room 3	Floor : Concrete Floor covering : Carpeted / carpet tiled Roof : Profiled metal sheeting Sarking felt : Bituminous Product Suspended ceiling : Vegetable Fibre Board Walls: Plaster Board	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls, concrete floor with carpet. Timber door and frame. Plastic lagged copper pipework. Glass door header panel. Bagged MMMF and cotton insulation within ceiling void. Metal ducting		

NON-SUSPECT REGISTER

Client: LPS Construction Consultants

Date Surveyed: 17/03/2026 to 20/03/2026

Site: The Old Fire Station

Building	Floor	Location Name and Description	Items	Notes	Main Photo	Close Up Photo
The Old Fire Station	1st Floor	013 - Mens toilets	Floor: Concrete Floor covering: Linoleum covered Roof : Profiled metal sheeting Walls: Plaster Board	Metal roof, suspended ceiling had been removed, plasterboard walls with a upvc cladding, concrete floor with linoleum. Timber doors and frames. Plastic lagged copper pipework. Ceramic toilet cisterns with plastic soil pipes. Timber boxing.		
The Old Fire Station	1st Floor	014 - Mens changing	Floor : Concrete Floor covering : Linoleum covered Roof : Profiled metal sheeting Suspended ceiling : Vegetable Fibre Board Walls: Plaster Board	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls, concrete floor with linoleum. Timber door and frame. Plastic lagged copper pipework. Plastic flue pipe. Glass and timber door header panels. Bagged MMMF and cotton insulation within ceiling void. Metal ducting		

NON-SUSPECT REGISTER

Client: LPS Construction Consultants

Date Surveyed: 17/03/2026 to 20/03/2026

Site: The Old Fire Station

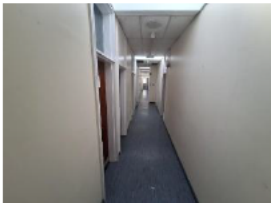
Building	Floor	Location Name and Description	Items	Notes	Main Photo	Close Up Photo
The Old Fire Station	1st Floor	015 - Lobby and stairs	Floor: Concrete Floor covering: Linoleum covered Roof : Profiled metal sheeting Walls: Plaster Board	Metal roof, suspended ceiling had been removed, plasterboard walls, concrete floor with linoleum. Timber door and frame. Stair nosing has been removed. Timber banister.		
The Old Fire Station	1st Floor	016 - Corridor	Floor : Concrete Floor covering : Vinyl Floor Covering Roof : Profiled metal sheeting Suspended ceiling : Vegetable Fibre Board Walls: Plaster Board	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls, concrete floor with carpet. Timber doors and frames. Plastic lagged copper pipework. Door header panels have been removed. Bagged MMMF and cotton insulation within ceiling void. Velux lights. Steel frame.		

NON-SUSPECT REGISTER

Client: LPS Construction Consultants

Date Surveyed: 17/03/2026 to 20/03/2026

Site: The Old Fire Station

Building	Floor	Location Name and Description	Items	Notes	Main Photo	Close Up Photo
The Old Fire Station	1st Floor	017 - Corridor including cupboard	Floor : Concrete Floor covering : Vinyl Floor Covering Roof : Profiled metal sheeting Suspended ceiling : Vegetable Fibre Board Walls: Plaster Board	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls, concrete floor with carpet. Timber doors and frames. Plastic lagged copper pipework. Glass, timber and plasterboard door header panels. Bagged MMMF and cotton insulation within ceiling void. Velux lights. Steel frame.		
The Old Fire Station	1st Floor	018 - Store	Floor: Concrete Floor covering: Linoleum covered Roof : Profiled metal sheeting Walls: Plaster Board	Metal roof, majority of suspended ceiling had been removed, plasterboard walls, concrete floor with linoleum. Cellulose tiled ceiling. Timber doors and frames. Glass door header panel. Plasterboard boxing.		

NON-SUSPECT REGISTER

Client: LPS Construction Consultants

Date Surveyed: 17/03/2026 to 20/03/2026

Site: The Old Fire Station

Building	Floor	Location Name and Description	Items	Notes	Main Photo	Close Up Photo
The Old Fire Station	1st Floor	019 - Kitchen	Floor: Concrete Floor covering: Linoleum covered Roof : Profiled metal sheeting Sarking felt : Bituminous Product Supalux panel : Insulating Board Walls: Plaster Board	Metal roof, suspended ceiling has been removed, plasterboard walls with a ceramic covering, concrete floor with linoleum. Timber doors and frames. Unlagged copper pipework. Steel frame.		
The Old Fire Station	1st Floor	020 - Room 4	Floor : Concrete Floor covering : Linoleum covered Roof : Profiled metal sheeting Sarking felt: Bituminous Product Suspended ceiling : Vegetable Fibre Board Walls: Plaster Board	Metal sheeted roof, cellulose tiled suspended ceiling, plasterboard walls with a woodchip covering, concrete floor with linoleum Timber door and frame. Plastic lagged copper pipework. Door header panels have been removed. Bagged MMMF and cotton insulation within ceiling void. Metal ducting		

NON-SUSPECT REGISTER

Client: LPS Construction Consultants

Date Surveyed: 17/03/2026 to 20/03/2026

Site: The Old Fire Station

Building	Floor	Location Name and Description	Items	Notes	Main Photo	Close Up Photo
The Old Fire Station	1st Floor	021 - Lobby and stairs	Floor: Concrete Floor covering: Linoleum covered Roof : Profiled metal sheeting Walls: Plaster Board	Metal roof, suspended ceiling had been removed, plasterboard walls, concrete floor with linoleum. Timber door and frame. Door header panel has been removed. Stair nosing has been removed. Timber banister. Lead flashing.		
The Old Fire Station	1st Floor	022 - Utility	Ceiling : Plaster Board Floor : Concrete Floor covering : Carpeted / carpet tiled Roof : Profiled metal sheeting Walls: Plaster Board	Metal sheeted roof, plasterboard ceiling with a woodchip covering has been removed, plasterboard walls with a woodchip covering, concrete floor with carpet. Timber doors and frames. Modern sink pad.		
The Old Fire Station	1st Floor	023 - Store cupboard	Ceiling : Timber Floor : Concrete Floor covering : Vinyl Floor Covering Floortiles and bitumen adhesive : Floor tiles & Bitumen Roof : Profiled metal sheeting Walls: Plaster Board	Metal sheeted roof, timber tiled suspended ceiling, plasterboard walls, concrete floor with vinyl floortiles. Timber door and frame. Plastic flue pipes.		

NON-SUSPECT REGISTER

Client: LPS Construction Consultants

Date Surveyed: 17/03/2026 to 20/03/2026

Site: The Old Fire Station

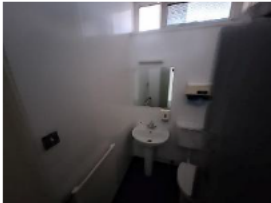
Building	Floor	Location Name and Description	Items	Notes	Main Photo	Close Up Photo
The Old Fire Station	Ground Floor	024 - Ceiling void	Ceiling: Concrete Ceiling of below : Vegetable Fibre Board Walls : Brick / Block	Concrete ceiling, brick walls with plasterboard internal walls, cellulose tiled ceiling of below. Steel frame. Foamlagged metal pipework. MMMF insulation.		
The Old Fire Station	Ground Floor	025 - Entrance hall	Floor : Concrete Floor covering : Carpeted / carpet tiled Suspended ceiling: Vegetable Fibre Board Walls : Plaster Board	Cellulose tiled suspended ceiling, plasterboard walls, concrete floor with ceramic tiles beneath carpet. Timber doors and frames. Timber cladding.		
The Old Fire Station	Ground Floor	026 - Lobby including downstairs cupboard	Floor : Concrete Floor covering : Carpeted / carpet tiled Suspended ceiling: Vegetable Fibre Board Walls : Plaster Board	Cellulose tiled suspended ceiling, plasterboard walls, concrete floor with ceramic tiles beneath carpet. Timber doors and frames. Timber cladding. Plasterboard beam cladding. Door header panel has been removed.		

NON-SUSPECT REGISTER

Client: LPS Construction Consultants

Date Surveyed: 17/03/2026 to 20/03/2026

Site: The Old Fire Station

Building	Floor	Location Name and Description	Items	Notes	Main Photo	Close Up Photo
The Old Fire Station	Ground Floor	027 - WC	Floor : Concrete Floor covering : Linoleum covered Suspended ceiling: Vegetable Fibre Board Walls : Plaster Board	Cellulose tiled suspended ceiling, plasterboard walls with a upvc cladding, concrete floor with linoleum. Timber door and frame. Ceramic toilet cistern with plastic soil pipe. Glass door header panel.		
The Old Fire Station	Ground Floor	028 - Room 5	Floor : Concrete Floor covering : Carpeted / carpet tiled Suspended ceiling: Vegetable Fibre Board Walls : Plaster Board	Cellulose tiled suspended ceiling, plasterboard walls, concrete floor with vinyl floortiles beneath linoleum beneath carpet. Timber door and frame. Timber window sill. Plastic lagged metal pipework. Metal ducting.		
The Old Fire Station	Ground Floor	029 - Cupboard	Floor : Concrete Floor covering : Vinyl Floor Covering Suspended ceiling: Vegetable Fibre Board Walls : Plaster Board	Cellulose tiled suspended ceiling, plasterboard walls, concrete floor with vinyl floortiles. Timber door and frame. Timber door header panel.		

NON-SUSPECT REGISTER

Client: LPS Construction Consultants

Date Surveyed: 17/03/2026 to 20/03/2026

Site: The Old Fire Station

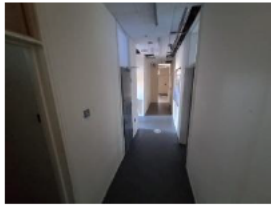
Building	Floor	Location Name and Description	Items	Notes	Main Photo	Close Up Photo
The Old Fire Station	Ground Floor	030 - Room 6	Floor : Concrete Floor covering : Carpeted / carpet tiled Suspended ceiling: Vegetable Fibre Board Walls : Plaster Board	Cellulose tiled suspended ceiling, plasterboard walls, concrete floor with vinyl floortiles beneath carpet. Timber door and frame. Timber window sill. Plastic lagged metal pipework. Metal ducting.		
The Old Fire Station	Ground Floor	031 - Room 7	Floor : Concrete Floor covering : Carpeted / carpet tiled Suspended ceiling: Vegetable Fibre Board Walls : Plaster Board	Cellulose tiled suspended ceiling, plasterboard walls, concrete floor with vinyl floortiles beneath carpet. Timber door and frame. Timber window sill. Timber door header panel. Plastic lagged metal pipework. Metal ducting.		
The Old Fire Station	Ground Floor	032 - Stair Lobby	Floor : Concrete Floor covering : Vinyl Floor Covering Hessian backed vinyl : Vinyl Products Suspended ceiling: Vegetable Fibre Board Walls : Plaster Board	Cellulose tiled suspended ceiling, plasterboard walls, concrete floor with vinyl. Timber doors and frames. Steel beams. Concrete stairs.		

NON-SUSPECT REGISTER

Client: LPS Construction Consultants

Date Surveyed: 17/03/2026 to 20/03/2026

Site: The Old Fire Station

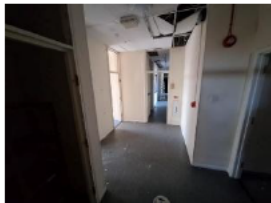
Building	Floor	Location Name and Description	Items	Notes	Main Photo	Close Up Photo
The Old Fire Station	Ground Floor	033 - Corridor	Floor : Concrete Floor covering : Vinyl Floor Covering Suspended ceiling: Vegetable Fibre Board Walls : Plaster Board	Cellulose tiled suspended ceiling, plasterboard walls, concrete floor with vinyl. Timber doors and frames. Glass, plasterboard and timber door header panels. Plastic lagged copper pipework.		
The Old Fire Station	Ground Floor	034 - Electrical cupboard	Floor : Concrete Floor covering : Timber Panel: Insulating Board Suspended ceiling: Vegetable Fibre Board Walls : Plaster Board	Cellulose tiled, plasterboard and supalux suspended ceiling, brick walls, concrete floor with timber. Timber door and frame. Modern electrical units. Metal ducting.		
The Old Fire Station	Ground Floor	035 - Ceiling void	Ceiling: Concrete Ceiling of below : Vegetable Fibre Board Walls : Brick / Block	Concrete ceiling, brick walls with plasterboard internal walls, cellulose tiled ceiling of below. Steel frame. MMMF lagged copper pipework. MMMF insulation.		
The Old Fire Station	Ground Floor	036 - Cupboard	Floor : Concrete Floor covering : Vinyl Floor Covering Suspended ceiling: Vegetable Fibre Board Walls : Plaster Board	Cellulose tiled suspended ceiling, plasterboard walls, concrete floor with vinyl floortiles. Timber door and frame. Timber door header panel.		

NON-SUSPECT REGISTER

Client: LPS Construction Consultants

Date Surveyed: 17/03/2026 to 20/03/2026

Site: The Old Fire Station

Building	Floor	Location Name and Description	Items	Notes	Main Photo	Close Up Photo
The Old Fire Station	Ground Floor	037 - Lobby	Floor : Concrete Floor covering : Vinyl Floor Covering Suspended ceiling: Vegetable Fibre Board Walls : Plaster Board	Cellulose tiled suspended ceiling, plasterboard walls, concrete floor with vinyl. Timber doors and frames. Door header panels have been removed.		
The Old Fire Station	Ground Floor	038 - Gents WC	Floor : Concrete Floor covering : Linoleum covered Suspended ceiling: Plaster Board Walls : Plaster Board	Plasterboard tiled suspended ceiling, plasterboard walls with a upvc cladding, concrete floor with linoleum. Timber doors and frames. Timber door header panel. Ceramic toilets with plastic soil pipes. Ceramic urinals.		
The Old Fire Station	Ground Floor	039 - Ceiling void	Ceiling: Concrete Ceiling of below : Plaster Board Walls : Brick / Block	Concrete ceiling, brick walls with plasterboard internal walls, plasterboard tiled ceiling of below. Steel frame. MMMFF lagged copper pipework. MMMFF insulation.		
The Old Fire Station	Ground Floor	040 - Gas room	Floor : Concrete Walls: Brick / Block	Steel beams, brick walls, concrete floor. Ceiling has been removed.		

NON-SUSPECT REGISTER

Client: LPS Construction Consultants

Date Surveyed: 17/03/2026 to 20/03/2026

Site: The Old Fire Station

Building	Floor	Location Name and Description	Items	Notes	Main Photo	Close Up Photo
The Old Fire Station	Ground Floor	041 - Room 8	Ceiling : Concrete Floor : Concrete Floor covering : Linoleum covered Walls : Plaster Board	Steel beams, ceiling tiles have been removed, plasterboard walls, concrete floor with linoleum. Timber door frame. Plasterboard beam cladding. MMMF lagged copper pipework within ceiling void.		
The Old Fire Station	Ground Floor	042 - Lobby	Floor : Concrete Floor covering : Linoleum covered Roof: Profiled metal sheeting Walls : Plaster Board	Metal roof, steel beams, ceiling tiles have been removed, plasterboard walls, concrete floor with linoleum. Timber door frame. Plasterboard beam cladding. MMMF lagged copper pipework within ceiling void. Metal ducting Insulating board within timber boxing.		

NON-SUSPECT REGISTER

Client: LPS Construction Consultants

Date Surveyed: 17/03/2026 to 20/03/2026

Site: The Old Fire Station

Building	Floor	Location Name and Description	Items	Notes	Main Photo	Close Up Photo
The Old Fire Station	Ground Floor	043 - Truck store	Ceiling tiles: Insulating Board Floor : Concrete Floor covering : Ceramic tiled brick / block / concrete Roof: Profiled metal sheeting Walls : Plastered brick / block / concrete	Metal sheeted roof, supalux suspended ceiling, solid plastered brick, concrete floor with ceramic tiles. Metal roll down doors. Heaters. Modern electrics. MMMF lagged copper pipework.		
The Old Fire Station	Ground Floor	044 - Truck store 2	Floor : Concrete Roof: Profiled metal sheeting Walls : Brick / Block	Metal sheeted roof, brick walls, concrete floor. Steel beams. Metal roll down doors with metal frames. Timber doors and frames. Timber cladding. Metal ducting. Cast iron down pipes. Heaters with MMMF lagged copper pipework. Modern and older electrics.		
The Old Fire Station	Ground Floor	045 - Store room	Floor : Concrete Suspended ceiling: Vegetable Fibre Board Walls : Brick / Block	Concrete ceiling with a cellulose tiled suspended ceiling, brick walls, concrete floor. Timber doors and frames. Metal ducting. Steel beams. Plastic and MMMF lagged copper pipework.		

NON-SUSPECT REGISTER

Client: LPS Construction Consultants

Date Surveyed: 17/03/2026 to 20/03/2026

Site: The Old Fire Station

Building	Floor	Location Name and Description	Items	Notes	Main Photo	Close Up Photo
The Old Fire Station	Ground Floor	046 - Ceiling void	Ceiling: Concrete Ceiling of below : Vegetable Fibre Board Walls : Brick / Block	Concrete ceiling, brick walls with plasterboard internal walls, plasterboard tiled ceiling of below. Steel frame. MMMFF lagged copper pipework. MMMFF insulation.		
The Old Fire Station	Ground Floor	047 - Store room 2	Ceiling: Concrete Floor : Concrete Walls : Brick / Block	Concrete ceiling, brick walls, concrete floor. Timber floor frames. Metal doors. Door header panel has been removed. Modern electrics.		
The Old Fire Station	Ground Floor	048 - Gym room 1	Ceiling: Concrete Floor : Concrete Walls : Brick / Block	Concrete ceiling, brick walls, concrete floor. Metal door and frame. Metal beam. Timber boxing.		
The Old Fire Station	Ground Floor	049 - Lobby	Ceiling: Concrete Floor : Concrete Floor covering: Vinyl Floor Covering Walls : Brick / Block	Concrete ceiling, brick walls, concrete floor with thermoplastic floortiles Metal doors and frames. Unlagged copper pipework.		

NON-SUSPECT REGISTER

Client: LPS Construction Consultants

Date Surveyed: 17/03/2026 to 20/03/2026

Site: The Old Fire Station

Building	Floor	Location Name and Description	Items	Notes	Main Photo	Close Up Photo
The Old Fire Station	Ground Floor	050 - Gym room 2	Ceiling: Concrete Floor : Concrete Mastic to ducting : Mastic Walls : Brick / Block	Concrete ceiling, brick walls, concrete floor. Metal door and frame. Metal beam. Metal ducting. Unlagged copper pipework.		
The Old Fire Station	Ground Floor	051 - Utility room	Ceiling: Concrete Door : Insulation Floor : Concrete Walls : Brick / Block	Concrete ceiling, brick walls, concrete floor. Timber door frame. Unlagged copper pipework.		
The Old Fire Station	Ground Floor	052 - WC	Ceiling: Concrete Floor : Concrete Walls : Brick / Block	Concrete ceiling, brick walls, concrete floor. Timber door frame. Timber door header panel. Unlagged copper pipework. Ceramic toilet with ceramic soil pipe. Concrete collar.		
The Old Fire Station	Ground Floor	053 - Gym room 3	Ceiling: Concrete Floor : Concrete Walls : Brick / Block	Concrete ceiling, brick walls, concrete floor. Timber door and frame. Timber door header panel. Unlagged copper pipework.		

NON-SUSPECT REGISTER

Client: LPS Construction Consultants

Date Surveyed: 17/03/2026 to 20/03/2026

Site: The Old Fire Station

Building	Floor	Location Name and Description	Items	Notes	Main Photo	Close Up Photo
The Old Fire Station	Ground Floor	054 - Store room 3	Ceiling: Concrete Door: Insulation Floor : Concrete Walls : Brick / Block	Concrete ceiling, brick walls, concrete floor. Timber door and frame. Timber door header panel. Unlagged copper pipework.		
The Old Fire Station	Ground Floor	055 - Gym room 4 including cupboards	Ceiling: Concrete Floor : Concrete Mastic to ducting : Mastic Walls : Brick / Block	Concrete ceiling, brick walls, concrete floor. Timber doors and frames. Metal beam. Metal ducting. Unlagged copper pipework.		
The Old Fire Station	Ground Floor	056 - Comms	Ceiling: Concrete Floor : Concrete Walls : Brick / Block	Concrete ceiling, brick walls, concrete floor. Timber door and frame. Door header panel has been removed. Unlagged copper pipework. Upvc trunking. Cables within floor void.		
The Old Fire Station	Ground Floor	057 - Passage	Ceiling: Concrete Floor : Concrete Walls : Brick / Block	Concrete ceiling, brick walls, concrete floor. Metal doors and frames. Glass door header panel.		
The Old Fire Station	External	060 - Roof	Roofing felt: Bituminous Product			

NON-SUSPECT REGISTER

Client: LPS Construction Consultants

Date Surveyed: 17/03/2026 to 20/03/2026

Site: The Old Fire Station

Building	Floor	Location Name and Description	Items	Notes	Main Photo	Close Up Photo
The Old Fire Station	External	061 - Externals	Floor: Concrete Packing above cladding: Cement Product Roof : Flat, bitumen felt lined. Sarking felt: Bituminous Product Walls: Brick / Block	Flat roof, brick walls with upvc and clay tiled cladding, concrete floor. Steel and timber beams. Metal and timber doors and frames. Upvc and timber window frames. Timber cladding. Metal ducting.		
The Old Fire Station	External	061 - Externals	Floor: Concrete Packing above cladding: Cement Product Roof : Flat, bitumen felt lined. Sarking felt: Bituminous Product Walls: Brick / Block	Flat roof, brick walls with upvc and clay tiled cladding, concrete floor. Steel and timber beams. Metal and timber doors and frames. Upvc and timber window frames. Timber cladding. Metal ducting. Metal roll down doors. Lead flashing Metal sheets covering doors.		

13.0 CERTIFICATES OF ANALYSIS



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Northbrook Business Park
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Worthing
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BN14 8PQ

Certificate of Bulk Analysis

Client:	LPS Construction Consultants		Certificate Number:		CL32612	
Client Address:	13 St Pauls Square, Birmingham, B3 1RB					
Site Address:	The Old Fire Station, Hurst Road, Horsham, RH12 2ND					
Sampled by:	Crucial Environmental		Samples Received:		26	
Analysis Date:	24/03/2026	Client Reference:	C-36677	Version Number:		1

Sample No	CE Ref.	Location	Description	Fibre Type Detected
001	CL32612/1	Bar	Floortiles and bitumen adhesive - Floor tiles & Bitumen	NAD
002	CL32612/2	Bar	Sink pad - Bituminous Product	NAD
003	CL32612/3	Kitchen	Supalux panel - Insulating Board	NAD
004	CL32612/4	Room 5	Floortiles and bitumen adhesive - Floor tiles & Bitumen	Chrysotile (Asbestos located within floor tile only)
005	CL32612/5	Electrical cupboard	Panel - Insulating Board	NAD
006	CL32612/6	Truck store	Ceiling tiles - Insulating Board	NAD
007	CL32612/7	Store room	Bitumen felt - Bituminous Product	Chrysotile
008	CL32612/8	Lobby	Floortiles - Vinyl Floor Tile	Chrysotile (Asbestos located within both vinyl and bitumen)
009	CL32612/9	Gym room 2	Mastic to ducting - Mastic	NAD
010	CL32612/10	Utility room	Door - Insulation	NAD
011	CL32612/11	Store room 3	Door - Insulation	NAD



Crucial Environmental Ltd
Company Registration Number: 8207845
Registered Address: Cawley Priory, South Pallant
Chichester, West Sussex, United Kingdom, PO19 1SY
Registered in England and Wales





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 Unit 17
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 Northbrook Road
 Worthing
 West Sussex
 BN14 8PQ

Sample No	CE Ref.	Location	Description	Fibre Type Detected
012	CL32612/1 2	Fire safety room 2	Sarking felt - Bituminous Product	NAD
013	CL32612/1 3	Stair Lobby	Door panel - Insulating Board	Amosite
014	CL32612/1 4	Stair Lobby	Hessian backed vinyl - Vinyl Products	NAD
015	CL32612/1 5	Room 8	Floortiles - Thermoplastic Floor Tile	Chrysotile (Asbestos located within floor tile only)
016	CL32612/1 6	Lobby	Panel - Cement Product	Chrysotile
017	CL32612/1 7	Cupboard	Floortiles - Vinyl Floor Tile	Chrysotile (Asbestos located within vinyl floor tile only)
018	CL32612/1 8	Ladies changing room	Floor tiles - Thermoplastic Floor Tile	Chrysotile (Asbestos located within floor tile only)
019	CL32612/1 9	Stair Lobby	Aib lined wall - Insulating Board	Amosite
020	CL32612/2 0	Roof	Mastic to skylights - Mastic	Chrysotile
021	CL32612/2 1	Roof	Roofing felt - Bituminous Product	NAD
022	CL32612/2 2	Roof	Damp proof coursing - Bituminous Product	Chrysotile
023	CL32612/2 3	Externals	Packing above cladding - Cement Product	NAD
024	CL32612/2 4	Externals	Soil pipes - Cement Product	Chrysotile
025	CL32612/2 5	Externals	AIB within timber canopy - Insulating Board	Amosite
026	CL32612/2 6	Lobby	Boxing - Insulating Board	Amosite

Disclaimer: Samples of material(s) have been analysed to determine the presence of asbestos fibres, using Polarised Light Microscopy together with dispersion staining in accordance with then HSE's guidance document HSG248 Ed 2 and internal company procedures. Crucial Environmental are not responsible for the accuracy or competence of the sampling by third parties and cannot be held responsible for the interpretation of the results shown. Opinions and interpretations are outside the scope of the laboratory's UKAS accreditation (Location and Description). An asterisk (*) alongside a result is to signify that the sample was identified as deviating by the laboratory and has been analysed at the risk of the client. All Samples will be retained for a minimum of six months.

Crucial Environmental Ltd
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 Chichester, West Sussex, United Kingdom, PO19 1SY
 Registered in England and Wales



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All sample analysis is carried out in the Worthing Office under controlled conditions outlined in ISO17025. This document shall not be reproduced, except in full, without written approval of Crucial Environmental.

Analysed by:

Katie Fletcher

Analyst Signature:



Certificate Issue Date:

24/03/2026

Approved by:

Katie Fletcher

Approval Signature:



Document Ref: CE106

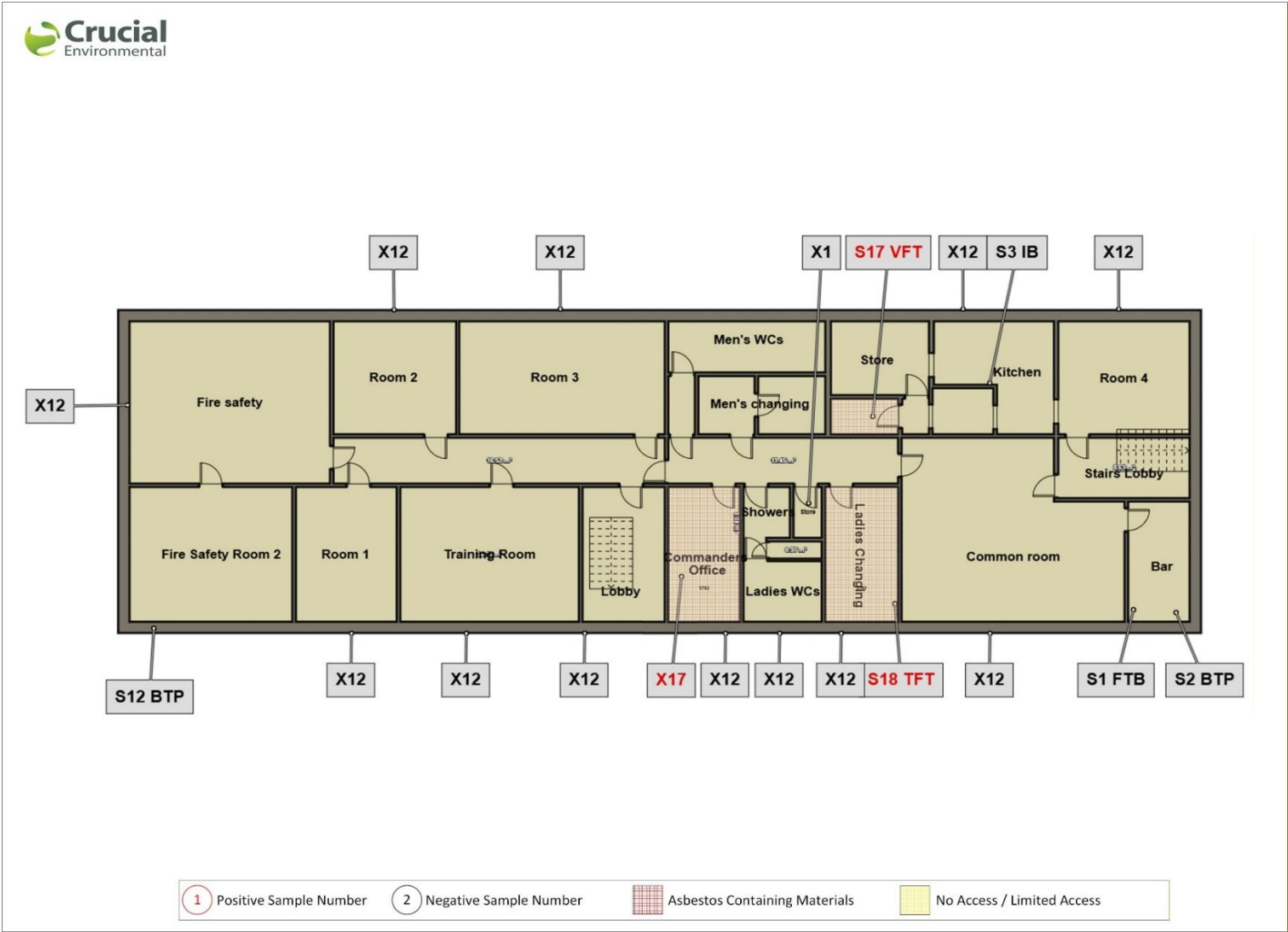
Version 1.5



Crucial Environmental Ltd
Company Registration Number: 8207845
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Chichester, West Sussex, United Kingdom, PO19 1SY
Registered in England and Wales



14.0 DRAWINGS







Compass Geotechnical

Geotechnical, Geoenvironmental and Civil Engineering Consultants

REPORT ON A PHASE 2 GROUND INVESTIGATION AND CONTAMINATION ASSESSMENT FOR A PROPOSED CARE HOME DEVELOPMENT, OLD FIRE STATION, HURST ROAD, HORSHAM, RH12 2DN

Report No: 253128B

September 2025

Compass Geotechnical Limited

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Tel: 01455 213311: Fax: 01455 213969

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www.compassgeotechnical.co.uk



Report Title: REPORT ON A PHASE 2 GROUND INVESTIGATION AND CONTAMINATION ASSESSMENT FOR A PROPOSED CARE HOME DEVELOPMENT, OLD FIRE STATION, HURST ROAD, HORSHAM, RH12 2DN

Report No: 253128B

Report Status: Final

Report Date: September 2025

Report Prepared For: EQ Care Horsham Ltd
46 Curzon Street
London
W1J 7UH

Report Prepared By: Compass Geotechnical Limited
13 Willow Park
Upton Lane
Stoke Golding
CV13 6EU

Document Production Record

Document	Name	Signature	Date	Position
Prepared by	Rachel Foord		11.09.25	Director
Reviewed by	E J Murray		16.09.25	Consultant
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**REPORT ON A PHASE 2 GROUND INVESTIGATION AND CONTAMINATION ASSESSMENT FOR
A PROPOSED CARE HOME DEVELOPMENT, OLD FIRE STATION, HURST ROAD,
HORSHAM, RH12 2DN**

Contents

- 1. Introduction and Objectives
- 2. Findings of the Desk Study
- 3. Site Reconnaissance
- 4. Site Work
- 5. Laboratory Work
- 6. Engineering Assessment and Recommendations
 - 6.1 Soil Profile
 - 6.2 Ground Contamination Observations
 - 6.3 Groundwater Conditions
 - 6.4 Excavations
 - 6.5 Structural Foundations
 - 6.6 Ground Floor Slabs
 - 6.7 Chemical Attack on Concrete
 - 6.8 Soakaways for Surface Water Disposal
- 7. Contamination Assessment
 - 7.1 Assessing Contamination
 - 7.2 Discussion of Results
 - 7.2.1 Made Ground
 - 7.2.2 Natural Soils
 - 7.3 Risk Estimation
 - 7.3.1 Human Health Risk Assessment – Made Ground
 - 7.3.2 Human Health Risk Assessment – Natural Soils
 - 7.4 Ground Gases
 - 7.5 Risk Evaluation
 - 7.6 Updated Conceptual Site Model and Conclusions
 - 7.7 Disposal of Materials Off-Site

References

Web Pages

General Notes



Appendices

- Appendix (i) Figures
- Appendix (ii) Borehole Logs
- Appendix (iii) Windowless Sample Hole Logs
- Appendix (iv) Falling Head Permeability Tests
- Appendix (v) Gas Monitoring Results
- Appendix (vi) Groundwater Monitoring Results
- Appendix (vii) Laboratory Test Results – Materials Properties
- Appendix (viii) Laboratory Test Results - Contamination
- Appendix (ix) Laboratory Test Results - WAC Test Results
- Appendix (x) ULS & SLS Calculations
- Appendix (xi) Haz Waste Classification



REPORT ON A PHASE 2 GROUND INVESTIGATION AND CONTAMINATION ASSESSMENT FOR A PROPOSED CARE HOME DEVELOPMENT, OLD FIRE STATION, HURST ROAD, HORSHAM, RH12 2DN

1. INTRODUCTION AND OBJECTIVES

- 1.1 This report has been prepared on instructions given by the Client, EQ Care Horsham Limited, (46 Curzon Street, London, W1J 7UH).
- 1.2 The site is located on the south western side of Hurst Road in the centre of Horsham, Surrey as shown on Figure 1, Appendix (i). Horsham lies to the south west of Crawley. As shown on Figure 2, Appendix (i), the site is irregular in shape and comprises the premises of a former fire station. The site is at and around National Grid Reference 517600 131300 and covers an area of around 0.43ha (Reference 1).
- 1.3 The site has been the subject of a previous desk study and other assessments as referenced below.
- Compass Geotechnical Limited Report on a Phase 1 Desk Study and Risk Assessment for a Proposed Care Home Development, Old Fire Station, Hurst Road, Horsham, RH12 2DN. Report Number 243128A dated December 2024.
 - Compass Geotechnical Limited Preliminary UXO Assessment, Old Fire Station, Hurst Road, Horsham, RH12 2DN. Letter Report Number 243128L-1 UXO dated 14th April 2025.
- 1.4 Proposals are to demolish the existing fire station buildings and redevelop the site with a new three-storey care home with parking and landscaped grounds. A plan showing the proposed layout is presented as Figure 3, Appendix (i).
- 1.5 The aims of the intrusive investigation were to:
- Investigate the ground and groundwater conditions so that suitable methods of foundation design and construction may be adopted for the development of the site with a new care home.
 - Undertake material property testing and contamination testing of samples recovered from an intrusive investigation.
 - Undertake falling head permeability tests to assess the suitability of the ground for the use of soakaways.
 - Provide comments on the suitability of soakaways for the disposal of surface water.
 - Install and monitor gas collection wells.
 - Install groundwater monitoring points and undertake monitoring on a regular basis.
 - Provide information for the assessment of contamination.
 - Assess the nature, extent and severity of any contamination at the site.
 - Undertake risk assessments.



- Appraise remedial options.
- Carry out Waste Acceptance Criteria (WAC) tests for the classification of materials for disposal off site.
- Present an interpretative report on the findings.

1.6 The investigation, assessment and reporting has been carried out in general accordance with the following:

- BS 5930:2015+A1:2020. Code of Practice for Ground Investigations.
- BS EN ISO 14688-1:2018. Geotechnical investigation and testing – Identification and classification of a soil – Part 1: Identification and description.
- BS EN ISO 14688-2:2018. Geotechnical investigation and testing – Identification and classification of a soil – Part 2: Principles for a classification.
- BS EN ISO 22476-2:2005+A1:2011. Geotechnical investigation and testing – Field testing – Part 2: Dynamic Probing.
- BS EN ISO 22476-3:2005+A1:2011. Geotechnical investigation and testing – Field testing – Part 3: Standard Penetration Test.
- BS EN ISO 14688-1:2018. Geotechnical investigation and testing – Identification and classification of soil – Part 1: Identification and description.
- BS EN ISO 14688-2:2018. Geotechnical investigation and testing – Identification and classification of soil – Part 2: Principles for a classification.
- BS EN ISO 22475-1:2021. Geotechnical investigation and testing – Sampling methods and groundwater measurements – Part 1: Technical principles for execution.
- BS 1377-9:1990. Methods for test for soils for civil engineering purposes – Part 9 In-situ tests.
- BS EN 1997-1:2004+A1:2013 Eurocode 7: Geotechnical design – Part 1: General Rules.
- NA+A2:2022 to BS EN 1997-1:2004+A1:2013. UK National Annex to Eurocode 7: Geotechnical design – Part 1: General Rules.
- BS EN 1997-2:2007. Eurocode 7: Geotechnical design – Part 2: Ground investigation and testing.
- NA to BS EN 1997-2:2007. UK National Annex to Eurocode 7: Geotechnical design – Part 2: Ground investigation and testing.
- BS 10175:2011+A2:2017. Investigation of Potentially Contaminated Sites – Code of Practice.
- BS 8576:2013 Guidance on Investigations for ground gases – Permanent gases and Volatile Organic Compounds (VOCs).
- BS 8485:2015 + A1:2109. Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings.
- Environment Agency 2021 Land Contamination Risk Management.



2. FINDINGS OF THE DESK STUDY

- 2.1 The following is based on information contained in the reports of Section 1.3.
- 2.2 The historical information obtained as part of the desk study indicates that the site had been open fields since at least 1874 until the fire station was built in the 1970s. The site has remained largely unchanged since then until the present day. Immediately to the north east on the opposite side of Hurst Road was a large brickworks with associated clay pits, clay mills and a brick kiln. The brickworks increased in size during the late 1890s and early 1900s but was disused by 1911. By the 1930s some houses had been constructed in the area of the former brickworks and latterly during the 1980s. Other land uses to the north and north east of the site included a school and a hospital whilst from 1970s onwards a police station, an ambulance station and magistrates court were noted to the south and south west.
- 2.3 Due to the location of the site and the level of bombing during WWII in and around Horsham, the Phase 1 Desk Study recommended UXO risks assessments prior to any intrusive investigation. A preliminary UXO risk assessment was undertaken which has been reported separately (see section 1.3). No significant risks were identified and no further precautions deemed necessary.
- 2.4 The walkover survey did not identify any potentially significant sources of contamination on the site.
- 2.5 Geological information (e.g. Reference 2) indicates that the site is underlain by solid deposits of the Upper Tunbridge Wells Sand with no superficial deposits in the area.
- 2.6 The desk study indicates that the Upper Tunbridge Wells Sand is classified as a Secondary A Aquifer. The site does not lie in an Environment Agency Source Protection Zone (SPZ).
- 2.7 The closest surface feature is a small pond within the hospital grounds some 128m to the north west. An inland river is present around 670m to the south east which is within the catchment of the Rivers Rother and Arun (Water Framework Directive). It is believed that a stream 250m to the north of the site shown on the historical maps has been culverted and is no longer present at surface. There is no information on the quality of surface water within the area around the site.
- 2.8 No landfill sites, waste transfer stations or similar operations are documented within influencing distance of the site. However, the former brickworks some 14m from the site on the opposite side of Hurst Road is classed as infilled ground and could be a source of ground gases depending on the nature of any backfill although it is appreciated that some of the former brickworks has been redeveloped with housing.



- 2.9 The desk study has highlighted some potential risks to end users, construction workers, buildings and services and the groundwater and the surface water environment, primarily associated with the former use of the site as a fire station including areas for vehicle storage and maintenance, interceptors and heating oil storage. Although no evidence was uncovered of significant contamination sources or occurrences at the site, the change to a more sensitive land use requires that further assessment is carried out to safeguard the health of end users and construction personnel. There are also concerns over the potential for the presence of ground gases either from any deep made ground or migrating from the backfilled former brickworks excavations a short distance to the east. An intrusive investigation was recommended.
- 2.10 The site is in an area where radon protection measures are not deemed necessary (Reference 3).

3. SITE RECONNAISSANCE

- 3.1 As shown on Figure 2, Appendix (i), the site is irregular in shape and is accessed directly from Hurst Road which forms the north eastern boundary. The existing main 'L-shaped' structure of the fire station is of two storey brick construction and extends along the north eastern and south eastern boundaries. Internal access to the buildings was not available at the time of the walkover survey however, from the property sale particulars provided by the client it is believed that the appliances were housed in the north eastern section of the main building with access directly from Hurst Road via an area of asphalt hard standing. This north eastern section of the main building also included a garage and workshop with offices, while dormitories, stores, recreation rooms, a boiler room and meeting rooms were housed in the south eastern section. Externally a car port is present in the south of the main building along with a modern internally bunded heating oil tank and a generator. To the west and north of the main building is a concrete covered yard area with a number of manhole covers and possibly interceptor covers. Toward the western corner of the site is a further structure of two storey construction with a five storey tower used for training purposes. This smaller building includes training rooms, stores, a boiler room and a training pipe (confined spaces training).

From the northern corner of the site an asphalt roadway leads south westwards to a car park at the rear of the site. A low brick retaining wall separates the roadway and car park from the lower lying land to the north and an ambulance station to the west. A set of steps leads up from the rear car park into the yard area between the training building and the main building. At the time of the walkover survey vehicle access to the site was prohibited by concrete blocks and other barriers and steel security panels were present over all doors and windows. A further roadway runs along the south eastern site boundary providing access to the rear car park and to the police station and law courts to the south and south east. Small grassed landscaped areas with



occasional trees and bushes are present along the north eastern elevation of the main building adjacent to Hurst Road.

- 3.2 The topography of the general area slopes down gently to the north west and west.

4. SITE WORK

- 4.1 Two exploratory boreholes (BHA and BHB) of 150mm diameter were drilled by a combination of dynamic sampling, rotary coring and rotary openhole techniques to depths of 12.80 and 11.40m depth respectively to provide geotechnical information. Within the boreholes, Standard Penetration Tests (SPTs) were undertaken at regular intervals. Continuous tube samples were recovered from the upper sections of the boreholes with small disturbed samples recovered from the flush returns during rotary openhole drilling and where possible rotary cores were recovered from all the strata encountered in the boreholes.
- 4.2 A further six exploratory holes (WS1 to WS6) were undertaken at the site by windowless sampling techniques to depths between 2.38 and 3.90m bgl below which depth no further progress was possible due to the strength of the strata. Continuous samples were recovered from the full depth of all the window sample holes and standard penetration tests (SPTs) were undertaken at regular intervals. The continuous samples were logged and sub-sampled by an experienced geologist.
- 4.3 The surface concrete and asphalt were cored out in all locations using a diamond core drill with water flush.
- 4.4 Gas and groundwater monitoring points were installed in BHA and BHB and groundwater monitoring points were installed in WS2, WS3 and WS5. The installations comprised a slotted pipe with pea gravel surround below 1m depth. The upper 1m of the installation comprised a plain pipe with a bentonite surround and where required a gas tight valve was fitted at the top of the pipe. A lockable cover was concreted in flush with the existing ground surface. Full details of the installations are given on the relevant exploratory logs of Appendix (ii) and Appendix (iii).
- 4.5 Samples for contamination testing from the exploratory holes were sealed into amber glass jars to prevent sample deterioration and placed in cool boxes for transport to the laboratory as quickly as possible. All contamination samples were taken in appropriately sized containers and where necessary headspace and storage times were minimized. Representative small, disturbed samples were also recovered from the strata encountered.
- 4.6 The window sample holes were drilled on 2nd June 2025 and the boreholes during the period 17th to 18th June 2025.



- 4.7 The investigation and sampling strategies were to obtain representative samples of any fill, natural deposits and groundwater, where encountered, and to recover materials for soil property and contamination analysis and appraisal. Laboratory testing was undertaken to determine levels and distribution of contaminants and material properties. The investigation was in general accordance with the documents of Section 1.6.
- 4.8 All of the samples were transported to the laboratory for detailed examination and selected samples were programmed for testing.
- 4.9 Subsequently, falling head permeability tests were carried out in WS2, WS3 and WS5 as an initial assessment of the drainage characteristics of the near-surface soils and to assess if soakaways would be viable at the site. The results of the falling head tests, carried out on 11th June 2025 are presented in Appendix (iv) and comments are made in Section 6.8.
- 4.10 Further visits were made to site on 16th July, 28th July, 5th August, 20th August, 2nd September and 10th September 2025 to record ground gases and groundwater levels. During the monitoring visits, levels of methane, carbon dioxide, oxygen, carbon monoxide and hydrogen sulphide were recorded using a GA5000 gas analyser. Measurements of gas flow rates and atmospheric pressure were also undertaken. The level of any groundwater present was also measured using a dip meter. The results of the gas monitoring are included in Appendix (v) and discussed in Section 7.4
- 4.11 Details of the strata encountered in the exploratory holes are given on the borehole logs of Appendix (ii), the windowless sample hole logs presented in Appendix (iii) and the positions of the holes are shown on Figure 2, Appendix (i).

5. LABORATORY WORK

- 5.1 Detailed below in Table 5.1 is the material property testing undertaken on the natural soils encountered as part of this investigation:

Table 5.1 Summary of Material Property Tests

Material Property Test	Number of Tests Natural Soils
Natural Moisture Contents	10
Liquid and Plastic Limits	10
Wet sieve preparation for limits	3
Soluble Sulphate Content	9
pH Value	9

- 5.2 The following testing was undertaken on samples of the made ground and natural soils encountered to determine possible contamination at the site:



Table 5.2 Summary of Laboratory Contamination Tests

Contamination Test	Number of Tests Made Ground	Number of Tests Natural Soils
Suite of Heavy Metals	1	8
pH Value	1	8
Speciated PAH	1	8
TPH Banded (C8-C40)	1	8
TPH CWG	-	1
Asbestos Screen	3	2
Waste Acceptance Criteria (WAC)	1	2

- 5.3 The material property test results are included as Appendix (vii) and the contamination and WAC test results are presented in Appendix (viii) and Appendix (ix).
- 5.4 The laboratory testing was undertaken during the period 6th June to 4th July 2025.
- 5.5 The testing was undertaken at UKAS and MCERTS accredited laboratories.

6. ENGINEERING ASSESSMENT AND RECOMMENDATIONS

6.1 Soil Profile

WS1 and WS2 were drilled in the asphalt covered car park in the south west of the site where the asphalt was around 0.13 to 0.14m thick. The remaining exploratory holes (WS3 to WS6, BHA and BHB) were carried out in the main yard area between the existing buildings where the surface comprised a reinforced concrete slab around 0.20m thick. Beneath the surface coverings a variable thickness of sub base materials were present extending to depths between 0.17 and 0.60m bgl and the sub base was generally thicker below the concrete.

Beneath the sub base materials in the car park in the south and south west of the site, made ground was present comprising brick and crushed brick extending to around 0.60 to 0.63m bgl.

Underlying the near surface construction and made ground were natural clays thought to represent a weathered stratification in the Upper Tunbridge Wells Sand. These deposits consisted of slightly silty and silty clays of generally stiff consistency which gave way to weak mudstones and siltstones at depth (below 1.54 to 2.66m bgl). The weathered clays and less weathered and unweathered strata of the Upper Tunbridge Wells Sand exhibit a typical reduction in weathering with depth. The window sample holes could not be progressed below 2.5m depth due to the hard nature of the strata, but in BHA and BHB (drilled by rotary techniques at depth) the mudstones were proved to extend to at least 12.8m bgl.



The geotechnical parameters for the Upper Tunbridge Wells Sand are summarized in Table 6.1 below.

Table 6.1 Geotechnical Parameters for Upper Tunbridge Wells Sand

Parameter (units)	Results	Classification	Comments
Undrained Shear Strength Cu (kPa) Cohesive deposits	50 – 155 (generally at shallow depth) 220 to >250 in mudstones	Medium strength to Very high strength	General increase in strength with depth
SPT N Value Cohesive deposits	10 – 31 (at shallow depth) 44 to refusal (50+) in mudstones		General increase in strength with depth
Water Content (%)	15.4 – 24.5		Lowest result in hard clay/mudstone at 3m bgl
Liquid Limit (%)	30 – 58	CL Soils Low Shrinkability and Non-Shrinkable to 1.0m bgl. CI - CH Soils Medium shrinkability >1.0m bgl	
Plastic Limit (%)	19 – 25		
Plasticity Index (%)	9 – 34		
Modified Plasticity Index (%)	n/a		
Soluble Sulphate Content SO ₄ (mg/l)	14.8 – 142	AC-2z	
pH Value	5.0 – 9.1		

6.2 Ground Contamination Observations

No visual or olfactory evidence of significant contamination was noted during the investigation.

6.3 Groundwater Conditions

Groundwater seepages were encountered during the drilling operations in the deep boreholes (BHA and BHB) at around 3.0 to 5.0m bgl. A shallowest standing water level of 2.55m bgl was recorded during the drilling operations. No groundwater seepages were noted in the shallow window sample holes.

Subsequent monitoring has recorded a shallowest standing water level of 1.63m bgl in WS5 in the centre of the site. Standing water levels of between 2.00 and 2.76m bgl were recorded in the other monitoring points (WS2 and WS3). It should be noted that the spring and summer of 2025 have been particularly dry and the highest groundwater levels recorded during the monitoring were in September following spells of rain.



It should be borne in mind that groundwater conditions can vary with seasonal and other effects and thus at times may be at variance with the conditions noted at the time of the site work.

6.4 Excavations

Random falls and collapse of vertical excavation faces can be expected in the natural materials (and any made ground if encountered) dependent on the depth of excavation, the length of time excavations stand open, and the incidence of any groundwater entries.

Consideration should be given to providing at least intermittent support in deepened vertical sided excavations where personnel are required to enter. The adequacy of all excavation support should be continually inspected by experienced personnel.

6.5 Structural Foundations

It is understood that the development is to comprise a three-storey care home of traditional construction. Foundation recommendations for buildings take account of the following:-

- Ultimate Limit State (ULS) (stability)
- Serviceability Limit State (SLS) (settlements and ground movements)

The ULS assessment of stability examines the bearing resistance of the ground. The SLS assessment limits the settlements to assessed acceptable limits. The SLS also requires that suitable foundation depths and construction are adopted to cater for the potential ground movements due to the presence of trees and other major vegetation (including future planting) in close proximity to the proposed building.

The near-surface deposits comprise cohesive deposits of the Upper Tunbridge Wells Sand which are described as firm and stiffer at around 1.0m but rapidly become less weathered and increase in strength with depth. Unweathered weak mudstones are present at around 2.5m bgl.

Strip or trench fill foundations may prove acceptable for the proposed development depending on the proposed loadings. Foundations could be taken down to bear in the firm and stiffer clays at around 1.0m depth. A characteristic undrained shear strength of 85kPa has been adopted based on the typical lower SPT values within the upper 1m. Calculations suggest that a preliminary design bearing resistance of around 150kPa would be acceptable for a strip foundation, 0.6m wide, bearing on the firm and stiffer clays at around 1.0m depth. Care should be exercised to ensure the uniformity in strength of the bearing stratum. Under these conditions the footing would have an adequate factor of safety against shear failure and settlements should be limited to less than 25mm. The ULS and SLS calculations are presented in Appendix (x). If foundations are carried down to bear in the stiff clays/weak mudstones at around 2m bgl, then an increase in design bearing resistance to around 250kPa or more is justifiable.



There are a few trees/shrubs at the site close to Hurst Road and consideration may need to be given to deepening of foundations within influencing distance of the trees in accordance with NHBC Standards (Reference 6). The laboratory testing suggests that the clays at depth (>1.0m) are of medium shrinkability whereas the upper materials are of low shrinkability. With increasing depth the less weathered materials (mudstones) are likely to be of low shrinkability or non-shrinkable.

All existing foundations, concrete and other below ground obstructions should be broken out, away from new foundations. New foundations should bear in natural undisturbed soils below any ground disturbed by foundation removal and previous construction operations.

6.6 Ground Floor Slabs

Over much of the site, other than within influencing distance of trees, ground bearing floor slabs would be considered acceptable. However, consideration may have to be given to suspended floors where the made ground is relatively thick, or the ground disturbed by foundation removal. Suspended floors over a void may be necessary in accordance with the recommendations of Reference 6 where the surrounding trees are likely to influence the ground floor slabs.

6.7 Chemical Attack on Concrete

Laboratory determinations of soluble sulphate content have been undertaken on samples of the natural soils present at the site. Reported concentrations were between 21.7 and 133mg/l SO_4 in association with acidic to alkaline pH values.

In accordance with BRE Special Digest 1 (Reference 7) the site has been classed as 'natural ground' and the groundwater regime is considered 'mobile' as groundwater was encountered within likely foundation depths.

Comparison of the characteristic sulphate contents for the soil (based on the mean of the highest two results) and pH concentrations with Table C1 of Reference 7 suggests the ACEC class for the site is AC-2z.

6.8 Soakaways for Surface Water Disposal

As discussed in Section 6.1, the deposits at the site are cohesive comprising clays near surface giving way to mudstones at depth. The groundwater monitoring to date indicates standing water levels as shallow as 1.63m bgl.

Preliminary falling head tests were conducted in the monitoring points installed in WS2, WS3 and WS5 to assess water infiltration in the upper 2m. The results of the falling head tests are presented in Appendix (iv) but the testing did not record any appreciable drop in water levels over a 5 hour period suggesting the soils are relatively impermeable. The results suggest that soakaways would not prove effective at the site and consideration should be given to an alternative method of water disposal.



7. CONTAMINATION ASSESSMENT

7.1 Assessing Contamination

The processes for assessing contamination should be based on the protection of human health, building materials and the environment using the SOURCE-PATHWAY-RECEPTOR concept. The sources, pathways and receptors relevant to the site are identified using a conceptual site model as outlined in Guidance for the Safe Development of Housing on Land Affected by Contamination (Reference 8) although it is appreciated that the end use of the site is to be a care home. Reference is also made to the procedures in the Environment Agency Land Contamination Risk Management (Reference 9), BS 10175:2011+A2:2017 (Reference 4), and the DEFRA Contaminated Land Statutory Guidance (Reference 40). Reference should be made to the original desk study report for full details of the conceptual model.

7.2 Discussion of Results

The results of the contamination testing are discussed in the following sections. Laboratory contamination testing has been carried out on samples of the made ground and natural soils encountered in the investigation as a check on conditions. The soils have been tested for a variety of contaminants and comments are made on the spatial distribution of the contaminants along with an indication of whether the results are elevated in relation to guideline values. In this instance, as an initial appraisal, the guideline values used are the critical concentrations for a residential end use with consumption of home grown vegetables. Reference should be made to Section 7.3 for a detailed explanation of critical concentrations.

7.2.1 Made Ground

The made ground appears to be present across the majority of the site but is relatively thin and associated with the construction of hard surfacing (sub base). No elevated levels of heavy metals or hydrocarbon contaminants were reported but asbestos was detected in a single sample of the sub base as summarized in Table 7.1 below.

Table 7.1 Summary of Elevated Contaminants – Made Ground

Determinand	Minimum Concentration (mg/kg)	Maximum Concentration (mg/kg)	Critical Concentration (mg/kg)	Number of Samples exceeding Critical Concentration
Asbestos	Absent	Present	Present	1/3

The full test results for the made ground are discussed and presented in section 7.3.1.

7.2.2 Natural Soils

Testing for a range of contaminants has been carried out in the natural soils at the site but no elevated contaminants were reported.

The full test results for the natural soils are discussed and presented in section 7.3.2.



7.3 Risk Estimation

Part IIa of the Environmental Protection Act 1990 provides the main regulatory regime for the identification and remediation of contaminated land. However, there is no single methodology covering all aspects of the assessment of potentially contaminated land and groundwater. Therefore, the approach adopted for this investigation is made up of a number of procedures designed to protect human health, building materials and the environment. All of the procedures are based on a risk assessment methodology centred on the identification and analysis of source-pathway-receptor linkages and take account of the procedures outlined in Guidance for the Safe Development of Housing on Land Affected by Contamination (Reference 8). Reference is also made to the procedures in Environment Agency Land Contamination Risk Management (Reference 9), and the DEFRA Contaminated Land Statutory Guidance (Reference 40). The sources-pathways and receptors relevant to the site were identified in the desk study along with details of the initial conceptual site model.

To assess potential risks, samples from the site have been analysed for a range of general contaminants based on assessed recent and previous uses. Consideration has also been given to the requirements of Reference 39 for the selection of water supply pipes. However, it should be noted that the desk study and assessments have not highlighted potential sources for some of the contaminants contained in Reference 39. Testing has been carried out on samples from natural soils. In accordance with current practice (Reference 8) where sufficient results are available they have been statistically analysed. Where only a few results are available they have been compared directly with published critical concentrations. The approach is based on the methodology set out in the CL:AIRE document Professional Guidance on Comparing Soil Contamination Data with a Critical Concentration (Reference 10). The guidance allows examination of the robustness of the data set, the identification of statistical outliers and the use of appropriate statistical techniques based on the distribution of the data set (whether normal or non-normal). The guidance can be used to determine:

- Whether land is suitable for a new use under the land use planning system (Planning Scenario).
- Or
- Whether land falls within the scope of Part 2A of the Environment Protection Act 1990 (Part 2A Scenario).

In this case the Planning Scenario is appropriate as the site is to be redeveloped.

The selection of appropriate critical concentrations of contaminants for the assessment of risks to human health is based on the CLEA guidance (References 11 to 13). This was updated in autumn 2008 and replaces all previous guidance. This most recent guidance allows derivation of Soil Guideline Values (SGVs) based on: generic assumptions about the fate and transport of chemicals in the environment; a generic conceptual model for site conditions and human behaviour to estimate exposure to soil contaminants for those living, working and/or playing on contaminated sites over



a long period of time; and Health Criteria Values that represent a tolerable or minimal risk to health from chronic exposure.

The Environment Agency published SGVs for eleven contaminants (References 14 to 35), including mercury and nickel which have now been withdrawn, and was proposing to publish further SGVs during 2010 but has not done so to date. The former guidelines (Reference 36), the recent DEFRA Category 4 Screening Levels (Reference 37) and the recent LQM/CIEH S4ULs (Reference 38) have been used as initial screening values in the following assessments where no new SGVs have been published. The LQM/CIEH Suitable for Use Levels (S4ULs) also include criteria for the eleven contaminants covered by the SGVs but take into account more recent research on contamination. Site Specific Assessment Criteria (SSAC) and Generic Assessment Criteria (GACs) for individual contaminants can be derived using CLEA v1.07.1.

The published criteria relate to standard land uses for residential end use (both with and without uptake of vegetables), allotments, commercial/industrial use, and public open space including amenity areas within residential developments and public parks. The residential end use criteria are protective of the health of young children (0 to 6 years) and assume daily exposure to contaminants over a six year period. The commercial/industrial use relates to adults and is for exposure durations based on a standard working week. The proposed development is for a residential end use (care home) with landscaped areas rather than private gardens, however as visitors to the care home may include young children the most stringent guideline values (residential end use with consumption of homegrown produce) have been used in the following assessments as a worst case scenario as they are protective of the health of children who would be the most sensitive receptors.

7.3.1 Human Health Risk Assessment – Made Ground

The assessment of possible risks to human health from the soils at the site is based on the 'suitability for use' as described in Section 7.3. Table 7.2 below summarises the outcome of the comparison of the results for heavy metals from the made ground. As only one sample has been analysed the results have been compared directly with the critical concentrations. The critical concentrations relate to a residential end use with uptake of homegrown produce.



Table 7.2 Comparison of Data for Metals – Made Ground

Determinand	Reported Concentration (mg/kg)	Critical Concentration (mg/kg)
Arsenic	19	37
Cadmium	< 0.2	11
Chromium VI	< 1.8	6
Copper	22	2400
Lead	16	200
Mercury	< 0.3	1.2
Nickel	23	180
Selenium	< 1.0	250
Zinc	29	3700
pH value	8.3	

The results do not indicate any elevated concentrations of heavy metals in the thin made ground and no risks to end users have been identified.

A single sample of the made ground was screened for PAHs and the results are summarised in Table 7.3 below.

Table 7.3 Comparison of Data for PAHs – Made Ground

Determinand	Reported Concentration (mg/kg)	Critical Concentration (mg/kg)
Naphthalene	< 0.05	2.3
Acenaphthylene	< 0.05	170
Acenaphthene	< 0.05	210
Fluorene	< 0.05	170
Phenanthrene	0.11	95
Anthracene	< 0.05	2400
Fluoranthene	0.47	280
Pyrene	0.41	620
Benzo(a)Anthracene	0.27	7.2
Chrysene	0.36	15
Benzo(b)fluoranthene	0.52	2.6
Benzo(k)fluoranthene	0.18	77
Benzo(a)Pyrene	0.33	2.2
Indeno(123-cd)Pyrene	0.24	27
Dibenzo(ah)Anthracene	0.08	0.24
Benzo(ghi)Perylene	0.28	320



The results for the PAHs indicate some very low concentrations of the individual congeners however, no risks to end users have been identified.

One sample of the made ground was screened for TPHs using banded analysis but none were detected.

Three samples of made ground were screened for asbestos and loose asbestos fibres and fragments of asbestos cement sheeting were found in the sample from WS1 0.13-0.17m bgl associated with the sub base materials.

7.3.2 Human Health Risk Assessment – Natural Soils

The assessment of possible risks to human health from the soils at the site is based on the 'suitability for use' as described in Section 7.3. Table 7.4 below summarises the outcome of the comparison of the results for heavy metals from the natural soils. The results from eight sample have been compared directly with the critical concentrations for a residential end use with uptake of homegrown produce.

Table 7.4 Comparison of Data for Metals – Natural Soils

Determinand	Minimum Concentration (mg/kg)	Maximum Concentration (mg/kg)	Critical Concentration (mg/kg)
Arsenic	6.2	12	37
Cadmium	< 0.2	0.2	11
Chromium VI	< 1.8	< 1.8	6
Copper	11	22	2400
Lead	12	68	200
Mercury	< 0.3	< 0.3	1.2
Nickel	12	24	180
Selenium	< 1.0	< 1.0	250
Zinc	35	59	3700
pH value	6.6	9.3	

The results do not indicate any elevated levels of heavy metals and do not suggest any contamination at the site.

Eight samples of the natural soils were screened for PAHs and the results are summarised in Table 7.5 below.



Table 7.5 Comparison of Data for PAHs – Natural Soils

Determinand	Minimum Concentration (mg/kg)	Maximum Concentration (mg/kg)	Critical Concentration (mg/kg)
Naphthalene	< 0.05	< 0.05	2.3
Acenaphthylene	< 0.05	0.05	170
Acenaphthene	< 0.05	< 0.05	210
Fluorene	< 0.05	< 0.05	170
Phenanthrene	< 0.05	0.29	95
Anthracene	< 0.05	0.07	2400
Fluoranthene	< 0.05	0.73	280
Pyrene	< 0.05	0.68	620
Benzo[a]anthracene	< 0.05	0.36	2.2
Chrysene	< 0.05	0.53	15
Benzo[b]fluoranthene	< 0.05	0.62	2.6
Benzo[k]fluoranthene	< 0.05	0.3	77
Benzo[a]pyrene	< 0.05	0.55	2.2
Indeno(1,2,3-c,d)Pyrene	< 0.05	0.27	27
Dibenz(a,h)Anthracene	< 0.05	0.07	0.24
Benzo[g,h,i]perylene	< 0.05	0.35	320
Total Of 16 PAH's	< 0.80	4.82	

The results for the PAHs are below or slightly above the detection limit but none indicate risks to end users.

Eight samples have been screened for TPHs using banded analysis and one sample for detailed TPH CWG testing but none were detected other than very low levels in the sample from WS6 0.50-0.60m bgl as summarized in Table 7.6 below.

Table 7.6 Summary of TPH Banded Results – Natural Soils

Determinand	WS6 0.50-0.60m mg/kg	Critical Concentration (mg/kg)
TPH (>EC8 - EC10)	< 0.02	27
TPH (>EC10 - EC12)	< 2.0	74
TPH (>EC12 - EC16)	4.9	140
TPH (>EC16 - EC21)	< 10	260
TPH (>EC21 - EC35)	19	1100
TPH (>EC35 - EC40)	< 10	1100
TPH Total >EC8 - EC40	36	-
Hazard Index	0.13	-



The results from the natural soils indicate the presence of some very low concentrations of hydrocarbons in one sample only. However, the results are not considered to present a risk as they are very low compared to the critical concentrations.

In line with good practice, consideration has been given to possible cumulative effects with calculation of the Hazard Index (HI) (Reference 41). As the HI is less than one there are no potential cumulative effects.

Two samples of the natural soils have been screened for asbestos but none was detected.

7.4 Ground Gases

Monitoring for ground gases has been undertaken on six occasions during different weather and atmospheric pressure conditions. During the monitoring period, no significant concentrations of methane were recorded in either monitoring point. In BHA in the south of the site peak concentrations of carbon dioxide were up to 2.1%. Concentrations of oxygen were generally near-normal in air, no carbon monoxide levels and no hydrogen sulphide were reported, and gas flow rates were up to 0.4l/h.

In BHB in the north of the site and closest to the former brickworks, site peak concentrations of carbon dioxide were up to 10.6% but fell quickly to around 3% on all occasions. Levels of oxygen recorded in BHB were depleted initially but rose to around 16 to 19% within a few minutes. No carbon monoxide or hydrogen sulphide were recorded and gas flow rates were around 0.2l/h.

In order to assess the ground gas regime to the site, the guidance of BS8485:2015+A1:2019 (Reference 45) has been followed which requires a robust assessment of the data, consideration of the reliability of the data and consideration of a conceptual model of the source of any ground gases and possible pathways for gas migration. The assessment of the gas regime and the need or otherwise for gas protection measures is based on the calculation of the hazardous gas flow rate (Q_{hg}) and derivation of the Gas Screening Value (GSV). As required by BS8485:2015+A1:2019, in calculating the Q_{hg} where no gas flow has been recorded the detection limit of the instrument has been used and the Q_{hg} has been calculated for each and every monitoring event.

Calculations from the data available to date suggest a Q_{hg} for methane of up to 0.0003l/hr and a Q_{hg} for carbon dioxide of up to 0.0198/hr. These indicate a very low hazard potential for the site and an initial site characteristic Gas Screening Value (GSV) of <0.07 which equates to Characteristic Gas Situation of CS1. The data has been used to derive a maximum implied Characteristic Gas Situation for both methane and carbon dioxide which also indicates a classification of CS1. A plausible worst-case condition check has been carried out which also falls within CS1.



Concentrations of carbon dioxide were elevated in BHB but readily dissipated within minutes during the monitoring. It is normal practice where carbon dioxide readings are over 5% to consider an increase in the Characteristic Gas Situation for the site. This would be applicable if the high carbon dioxide readings were sustained. However, the high levels were relatively short lived and an increase to CS₂ is not considered warranted based on the six sets of readings undertaken, subject to the agreement of the local authority. It is also noted that the clays and mudstones encountered in the investigation would be likely to restrict the migration of ground gases.

7.5 Risk Evaluation

The purpose of the risk evaluation is to assess whether there are any unacceptable risks to potential receptors from contamination at the site. The risk evaluation considers individually the receptors and pathways identified in the original conceptual model and represents a further refinement of the model. The updated conceptual model is discussed in Section 7.6. Some asbestos was identified in the near surface sub base materials associated with the car park construction in the south of the site. It is assumed that the sub base would be removed as part of the site preparatory works mitigating any risks from asbestos to end-users. The contamination testing has not indicated any other contamination in the made ground or natural soils and thus no further risks to end users have been identified.

Table 7.6 Risk Evaluation

Receptor	Risk Evaluation
Site Workers	Risks to site workers are considered to come through direct and indirect contact with contaminated soils either by direct skin contact, inhalation of dust/vapour or ingestion by hand to mouth transfer. In order to minimize risks and in accordance with good practice gloves, boots and overalls should be worn to reduce the risks of skin contact. A high standard of personal hygiene should be maintained on site to reduce risks of hand to mouth transfer. Further comments on asbestos identification and removal are made in section 7.6.
End Users	Risks to end users usually come from direct contact with the ground, ingestion or inhalation of soil particles/vapour or indirect contact such as ingestion of plants or vegetables grown in contaminated soils. Where the site is to be covered by proposed buildings and other hard cover there is not deemed to be a viable pathway by which end users could come into contact with the underlying soils. However, in garden and soft landscaping areas there is the potential for end users to come into contact with soils. No potential risks to end users have been identified at the site and no remedial measures are considered necessary provided the sub-base material containing asbestos is removed from site.



Receptor	Risk Evaluation
Building Materials	Guidance provided by Anglian Water (Reference 39) based on UKWIR 10/WM/03/21 Guidance for the Selection of Water Supply Pipes to be used in Brownfield Sites suggests extensive testing for a wide range of contaminants however, the desk study has not indicated sources for all of the contaminants. The soil testing has not found any significant concentrations of organic contaminants (PAH and TPH) at the site and barrier pipe is not considered necessary to protect water supplies. However, the results should be forwarded to the water supply company for their comment.
Local Environment	Groundwater resources and surface water can be affected by the migration of contaminants. The desk study confirmed that the Upper Tunbridge Wells Sand is classed as a Secondary A Aquifer and the site is not within a groundwater source protection zone. No significant contamination has been identified and thus risks to the Local Environment are considered minimal.

7.6 Updated Conceptual Site Model and Conclusions

The investigation carried out has not identified any significant contamination at the site. Based on the available information no remedial measures are considered necessary. However, this assumes that the sub base materials are removed as part of the site preparatory works and appropriate precautions including damping down of the materials are used during excavation and removal of the sub base. An asbestos discovery plan should be drawn up for the site.

Prior to demolition of the existing buildings on site an asbestos survey should be undertaken by an experienced contractor to identify any asbestos present and advise on its safe removal and disposal.

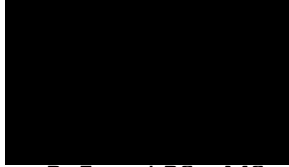
Following demolition and clearance of the site a careful inspection of the exposed soils should be undertaken by a suitably qualified and experienced geo-environmental engineer to check for any potential sources of contamination. In addition, if contamination or suspect ground is uncovered during development works this should be reported immediately so appropriate action may be taken.



7.7 Disposal of Materials Off-Site

The near surface materials have been classified as Non Hazardous Waste - code 17 05 04 in accordance with WM3 1st Edition v1.2.GB October 2021, using Hazwaste Online. The waste classification is presented in Appendix (xi).

Three WAC tests have been undertaken on samples of the made ground and natural soils and all samples fall in the inert landfill category. The results should be forwarded to the receiving landfill for their comment and classification particularly bearing in mind the identification of asbestos in some of the sub base materials.



R. Foord BSc, MSc, MCSM, CGeol, FGS



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New information, improved practices, changes in legislation, or changes in guidelines from Statutory Bodies may necessitate a re-interpretation of the report in whole or part after its original submission.

The report and/or opinion will be prepared and written for the specific purposes and/or development stated in the document and in relation to the nature and extent of proposals made available to us at the time of writing. The recommendations should not be used for other schemes on or adjacent to the site.

The report is based on the ground conditions encountered in the exploratory holes together with the results of field and laboratory testing in the context of the proposed development. Conditions between exploratory holes have been interpolated, however soil conditions are highly variable and may differ from the interpolation. There may be conditions, appertaining to the site, which may not be revealed by the investigation, and which may not be taken into account in the report.

The accuracy of the results reported will depend on the technique of measurement, investigation and test used and these values should not be regarded necessarily as characteristic of the strata as a whole. Where such measurements are critical, the technique of the investigation will need to be reviewed and supplementary investigation undertaken in accordance with the advice of the company where necessary.

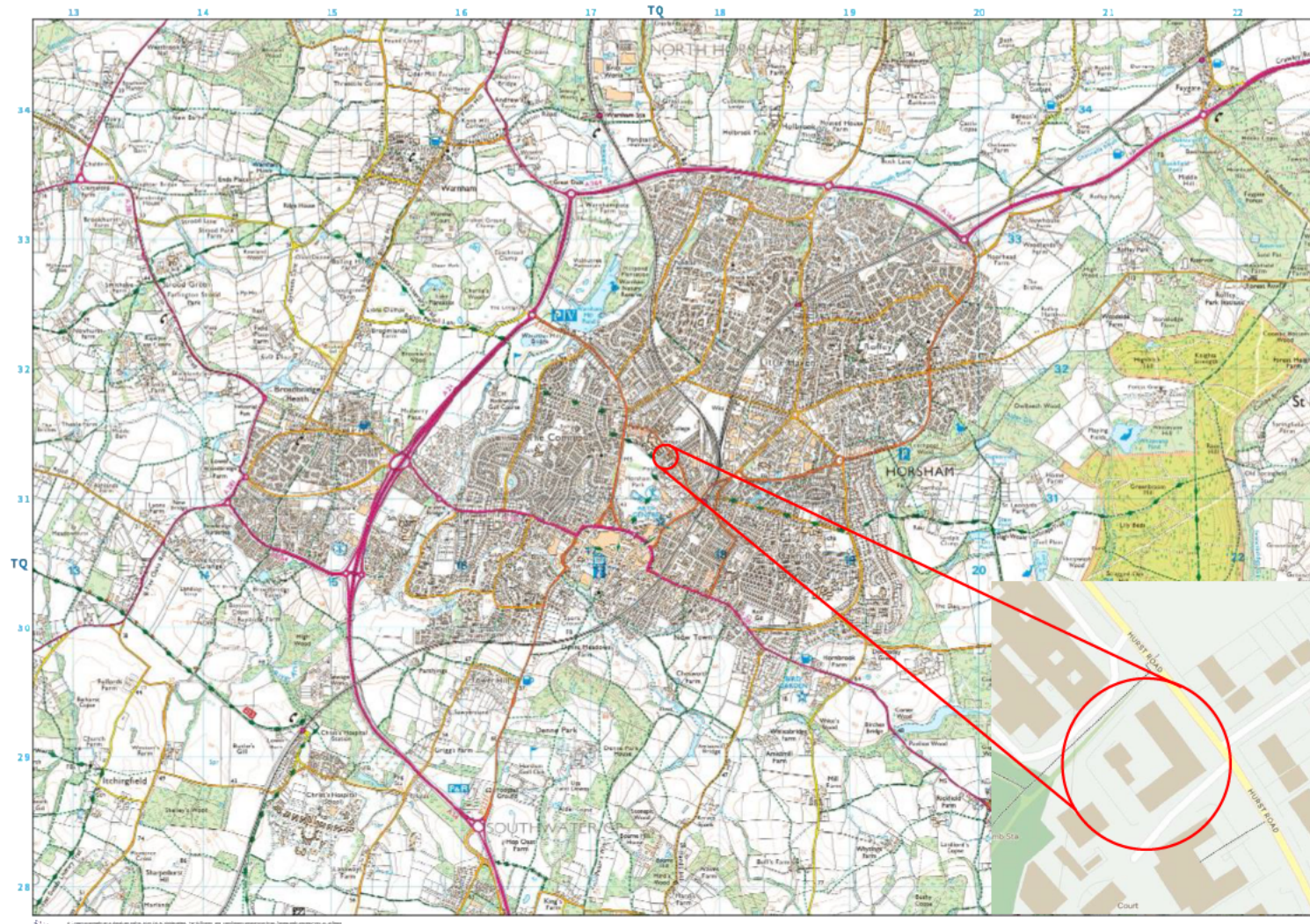
The economic viability of the proposal referred to in the report, or of the solutions put forward to any problems encountered, will depend on very many factors in addition to the geotechnical considerations hence its evaluation will be outside the scope of the report.

Where any data supplied by the Client or from other sources, including previous site investigations, have been used it has been assumed that the information is correct. No responsibility can be accepted by Compass Geotechnical Limited for inaccuracies in the data supplied by any other party.

The investigation does not include the identification of Japanese Knotweed. Any such survey should be undertaken by a specialist.



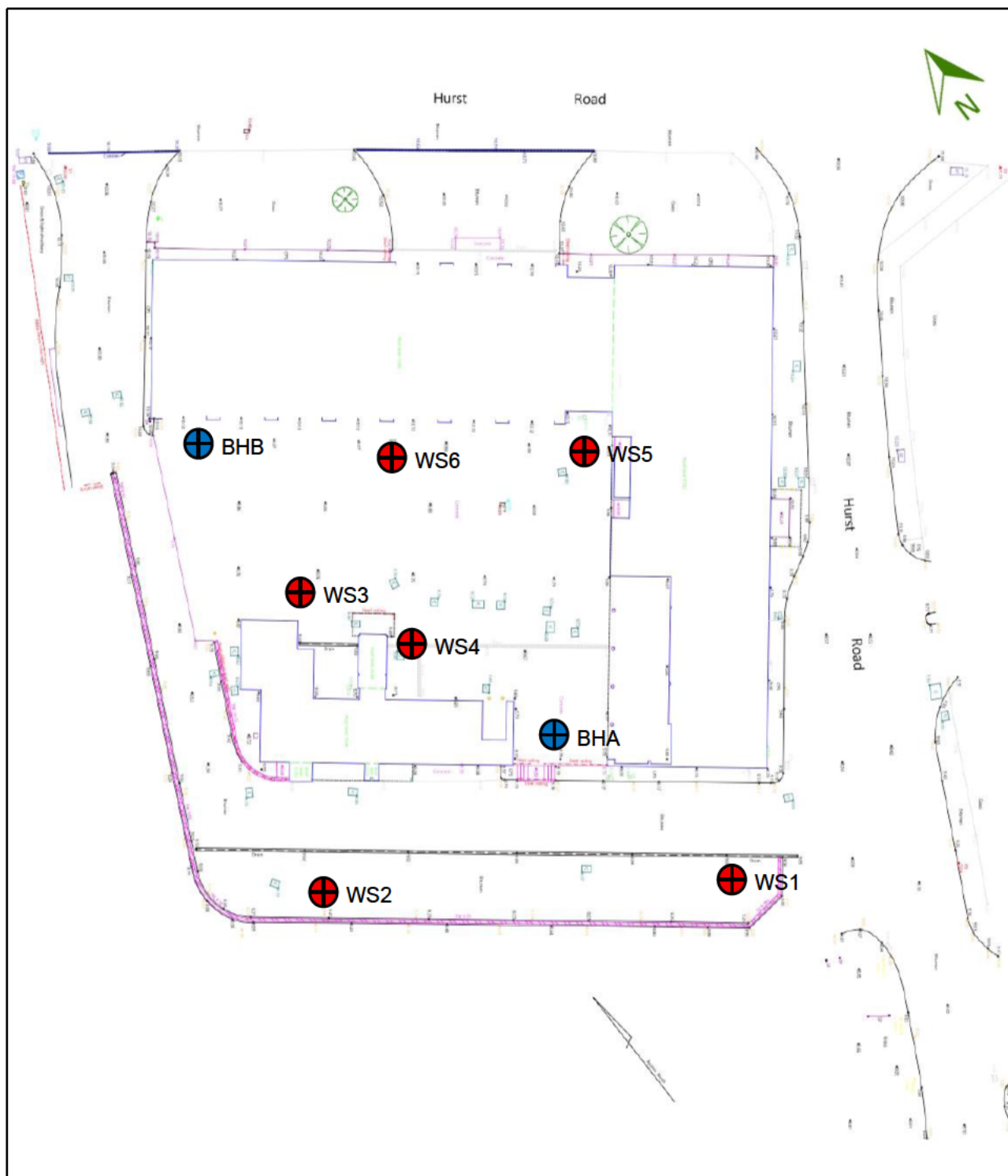
Appendix (i)
Figures



1 of 1

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Figure 1	Site Location Plan
Date	September 2025
Not to Scale	



Extract from Ridgeway Surveys Topographical Survey.
Drawing No 18024-TP-01 Dated September 2024

Figure 2

Current Site Plan

Date

September 2025

Not to Scale



Extract from AP Architecture Ltd Proposed Site Plan.
Drawing No AP20027-D01 Dated 04.10.24

Figure 3

Proposed Site Plan

Date

September 2025

Not to Scale



Appendix (ii)
Borehole Logs



Introduction

All sampling and in-situ test methods are carried out in accordance with the relevant British and European standards as referenced below.

Abbreviations Used

Exploratory hole records are presented in graphical format with the use of standard abbreviations as outlined below.

Sampling Method

BH	Borehole
TP	Trial Pit
WS	Windowless Sample Hole
CC	Concrete Cored Hole

Sample Types

D	Disturbed Sample
B	Bulk Sample
ES	Environmental Sample
PID	Sample for total VOC screen
L	Liner Tube Sample
U	Undisturbed Sample
UT	Thin Wall Undisturbed Sample
NR	No Recovery
W	Water Sample
C	Rotary Core

In-Situ Tests

DP	Dynamic Probe Test
CPT	Cone Penetrometer Test
SPT	Standard Penetrometer Test
V	Hand Shear Vane Strength Determination (kPa) – manufacturer's calibration of 1.491 applied to direct reading
V*	Hand Shear Vane Strength Determination (kPa) on excavated block of material

References

BS 5930:2015 + A1:2020 Code of Practice for Ground Investigations

BS 10175:2011+A2:2017 Investigation of Potentially Contaminated Sites – Code of Practice

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BS EN ISO 14688-2:2018 Geotechnical Investigation and Testing – Identification and Classification of Soil: Part 2 Principles of Classification.

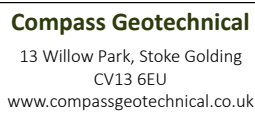
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BS EN ISO 22476-2:2005+A1:2011 Field Testing Part 2: Dynamic Probing.

BS EN ISO 22476-3:2005 + A1:2011 Geotechnical Investigation and Testing – Field Testing: Part 3: Standard Penetration Test.

EUR 26227 EN, 2013 Eurocode 7 Chapter 5 Ground Investigation and Testing.

 Compass Geotechnical 13 Willow Park, Stoke Golding CV13 6EU www.compassgeotechnical.co.uk		Borehole Log				Project ID 253128		Borehole No. BHA	
						Sheet 1 of 2			
Project Title: Old Horsham Fire Station		Location: Old Horsham Fire Station, Hurst Road, Horsham, RH12 2DN		Client: EQ Care Horsham Ltd		Scale: 1:50		Date Drilled 17/06/2025	
Easting:		Northing:		Level (mAOD):		Checked: RF		Rig Crew: BC	
Logged: TF									
Samples & In Situ Testing			Strata Details			Groundwater			
Depth (mBGL)	Sample / Test ID	Test Result	Level (mAOD)	Depth (mBGL)	Legend	Strata Description	Depth (mBGL)	Water Strike	Backfill/ Installation
0.30 - 0.40 0.30 - 1.00	ES L			0.20 0.30		Concrete slab.(0.20m)			
						Made Ground: Crushed fine to coarse angular to sub angular chert gravel infilled with grey clayey fine to coarse sand.(0.10m)			
						Very stiff (dry) light grey mottled yellowish brown CLAY [Upper Tunbridge Wells Sand].(0.97m)			
1.00 - 1.45 1.00 1.00 - 2.00	SPT(S) D L	N=19 (4/2,5,6,6)		1.27		Very stiff yellowish brown mottled light grey, pale brown and rarely orange brown CLAY with rare mudstone lithorelics of fine gravel size [Upper Tunbridge Wells Sand].(0.73m)	1		
2.00 - 2.45 2.00	SPT(S) D	N=47 (6/5,8,17,17)		2.00		Extremely weak fissured (blocky) pale brown MUDSTONE, with dark orange brown and orange brown staining on fissured surfaces [Upper Tunbridge Wells Sand].(2.14m)	2		
3.00 - 3.30 3.00	SPT(S) D	N=50 (10/17,33 for 70mm)					3		
4.00 - 4.14 4.00	SPT(S) D	N=50 (25 for 90mm/50 for 50mm)		4.14		Weak light grey and dark grey MUDSTONE with very rare lignite of fine to medium gravel size [Upper Tunbridge Wells Sand].(2.46m)	4		
5.00 - 5.19 5.00 5.00 - 6.50	SPT(S) D ES	N=23 (25 for 130mm/23 for 60mm)					5		
6.50 - 6.56 6.50	SPT(S) D	N=50 (25 for 40mm/50 for 20mm)		6.60		Weak light grey and dark grey slightly silty MUDSTONE [Upper Tunbridge Wells Sand].(2.90m)	7		
8.00 - 8.34 8.00	SPT(S) D	N=50 (26/17,21,12 for 40mm)					8		
9.50 - 9.51 9.50 9.50 - 9.80	SPT(S) D C	N=50 (25 for 5mm/50 for 5mm)		9.50		Weak light grey thinly laminated SILTSTONE. Laminae are light grey mudstone and extremely thin lignite [Upper Tunbridge Wells Sand].(3.30m)	9		
							10		
Start & End of Shift Observations			Borehole Diameter		Casing Diameter		Remarks:		
Date	Time	Depth (m)	Casing (m)	Water (m)	Depth (m)	Dia (mm)	Depth (m)	Dia (mm)	
					12.80	116	1.00	116	Dynamic Sampling GL - 2.0m; Rotary Openhole 2.0 - 9.50m,; Rotary Coring 9.50 - 9.80m and Rotary Openhole 9.50 - 12.80mbgl
Chiselling & Pits			Installation		Groundwater Observations				
From (m)	To (m)	Duration	Remarks	Top (m)	Base (m)	Type	Dia (mm)	Strike at (m)	Casing at (m)
				0.00	1.00	PLAIN	63	3.00	1.00
				1.00	10.00	SLOTTED	63		
					Sealed at (m)	Time (min)	Rose to (m)	Remarks	
						10	2.55	On completion - 4.30mbgl -	



Project ID
253128

Sheet 2 of 2

Scale:	1:50
---------------	------

Location: Old Horsham Fire Station, Hurst Road, Horsham, RH12 2DN
--

Date Drilled	17/06/2025
---------------------	------------

Rig Crew:	BC
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Logged:	TF
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Checked:	RF
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Northings:	Level (mAOD):
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Level (mAOD):

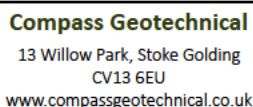
Checked:	RF
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Strata Details

Groundwater

[illegible]

Start & End of Shift Observations					Borehole Diameter		Casing Diameter		Remarks: Dynamic Sampling GL - 2.0m; Rotary Openhole 2.0 - 9.50m;; Rotary Coring 9.50 - 9.80m and Rotary Openhole 9.50 - 12.80mbgl					
Date	Time	Depth (m)	Casing (m)	Water (m)	Depth (m)	Dia (mm)	Depth (m)	Dia (mm)						
					12.80	116	1.00	116						
Chiselling & Pits					Installation				Groundwater Observations					
From (m)	To (m)	Duration	Remarks		Top (m)	Base (m)	Type	Dia (mm)	Strike at (m)	Casing at (m)	Sealed at (m)	Time (min)	Rose to (m)	Remarks
					0.00	1.00	PLAIN	63	3.00	1.00		10	2.55	On completion - 4.30mbgl -
					1.00	10.00	SLOTTED	63						



Project ID
253128

Borehole No.
BHB

Sheet 1 of 2

Scale: 1:50

Project Title:
Old Horsham Fire Station

Location:
Old Horsham Fire Station, Hurst Road, Horsham, RH12 2DN

Client:
EQ Care Horsham Ltd

Date Drilled
18/06/2025

Rig Crew: BC

Logged:	TF
---------	----

Checked:	RF
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Easting:

Northings:

Level (mAOD):

	Groundwater
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Samples & In Situ Testing

Strata Details

Groundwater

Depth (mBGL)	Sample / Test ID	Test Result	Level (mAOD)	Depth (mBGL)	Legend	Strata Description	Depth (mBGL)	Water Strike	Backfill/ Installation
0.30 - 1.00	L			0.20		Concrete slab.(0.20m)			
				0.39		Made Ground: Crushed concrete and brick of fine to coarse gravel size infilled with dark grey fine to coarse sand.(0.19m)			
						Firm locally stiff pale grey mottled yellowish brown slightly silty CLAY [Upper Tunbridge Wells Sand].(1.09m)			
1.00 - 1.45	SPT(S) D	N=10 (3/2,2,3,3)				Stiff yellowish brown mottled grey CLAY with rare mudstone lithorelics of fine to medium gravel size [Upper Tunbridge Wells Sand].(0.52m)	1		
1.00 - 2.00	L			1.48		Very stiff light grey mottled yellowish brown clay with occasional mudstone lithorelics of fine to coarse gravel size [Upper Tunbridge Wells Sand].(0.66m)	2		
2.00 - 2.45	SPT(S) D	N=18 (5/4,3,5,6)		2.00		Extremely weak pale brown mottled grey occasionally stained orange brown MUDSTONE recovered as tabular fragments of fine to coarse gravel size [Upper Tunbridge Wells Sand].(0.52m)	3		
2.00 - 3.00	L			2.66		Grey mottled yellowish brown and orange brown CLAY [Upper Tunbridge Wells Sand].(0.23m)			
2.90 - 3.35	SPT(S) D	N=39 (20/5,6,8,20)		3.18		Extremely weak thinly and extremely thinly laminated grey occasionally stained orange brown and black (ferruginous) MUDSTONE recovered as tabular fragments of fine to coarse gravel size [Upper Tunbridge Wells Sand]. (3.33m)	4		
3.00 - 3.70	L			3.41					
3.70 - 3.83	SPT(S) D	N=50 (25 for 60mm/50 for 70mm)							
3.70									
5.00 - 5.17	SPT(S) D	N=26 (25 for 100mm/26 for 70mm)					5		
5.00									
6.50 - 6.74	SPT(S) D	N=50 (23/34,16 for 20mm)		6.74		Weak light grey MUDSTONE. With rare extremely thin laminations of lignite [Upper Tunbridge Wells Sand].(3.26m)	7		
6.50									
8.00 - 8.31	SPT(S) D	N=50 (24/16,24,10 for 10mm)					8		
8.00									
8.00 - 9.50	ES						9		
9.50 - 9.53	SPT(S) D	N=50 (25 for 20mm/50 for 10mm)							
9.50									
				10.00		Continued next sheet	10		

Continued next sheet

Start & End of Shift Observations					Borehole Diameter		Casing Diameter		Remarks:					
Date	Time	Depth (m)	Casing (m)	Water (m)	Depth (m)	Dia (mm)	Depth (m)	Dia (mm)	Dynamic Sampling GL - 3.70m; Rotary Openhole 3.70 - 11.00m bgl.					
					11.40	116	1.00	116	Groundwater Observations Strike at (m) Casing at (m) Sealed at (m) Time (min) Rose to (m) Remarks					
Chiselling & Pits					Installation									
From (m)	To (m)	Duration	Remarks		Top (m)	Base (m)	Type	Dia (mm)	5.00	1.00		5	4.90	On completion - 10.80mbgl
					0.00 1.00	1.00 10.00	PLAIN SLOTTED	63 63						



Compass Geotechnical
13 Willow Park, Stoke Golding
CV13 6EU
www.compassgeotechnical.co.uk

Borehole Log

Project ID
253128

Borehole No.
BHB

Sheet 2 of 2

Scale: 1:50

Project Title:
Old Horsham Fire Station

Location:
Old Horsham Fire Station, Hurst Road,
Horsham, RH12 2DN

Client:
EQ Care Horsham Ltd

Date Drilled
18/06/2025

Rig Crew: BC

Logged: TF

Checked: RF

Samples & In Situ Testing			Strata Details				Groundwater		
Depth (mBGL)	Sample / Test ID	Test Result	Level (mAOD)	Depth (mBGL)	Legend	Strata Description	Depth (mBGL)	Water Strike	Backfill/ Installation
11.00 - 11.04 11.00	SPT(S) D	N=50 (25 for 30mm/50 for 10mm)		11.40		Light grey mottled dark grey CLAY [Upper Tunbridge Wells Sand]. (1.40m)	11		
						Borehole Completed at 11.400m	12		
							13		
							14		
							15		
							16		
							17		
							18		
							19		
							20		

Start & End of Shift Observations					Borehole Diameter		Casing Diameter		Remarks: Dynamic Sampling GL - 3.70m; Rotary Openhole 3.70 - 11.00m bgl.						
Date	Time	Depth (m)	Casing (m)	Water (m)	Depth (m)	Dia (mm)	Depth (m)	Dia (mm)							
					11.40	116	1.00	116							
										Groundwater Observations					
Chiselling & Pits					Installation				Strike at (m)	Casing at (m)	Sealed at (m)	Time (min)	Rose to (m)	Remarks	
From (m)	To (m)	Duration	Remarks		Top (m)	Base (m)	Type	Dia (mm)	5.00	1.00		5	4.90	On completion	
					0.00	1.00	PLAIN	63							
					1.00	10.00	SLOTTED	63						- 10.80mbgl	



Appendix (iii)
Windowless Sample Hole Logs



Introduction

All sampling and in-situ test methods are carried out in accordance with the relevant British and European standards as referenced below.

Abbreviations Used

Exploratory hole records are presented in graphical format with the use of standard abbreviations as outlined below.

Sampling Method

BH	Borehole
TP	Trial Pit
WS	Windowless Sample Hole
CC	Concrete Cored Hole

Sample Types

D	Disturbed Sample
B	Bulk Sample
ES	Environmental Sample
PID	Sample for total VOC screen
L	Liner Tube Sample
U	Undisturbed Sample
UT	Thin Wall Undisturbed Sample
NR	No Recovery
W	Water Sample
C	Rotary Core

In-Situ Tests

DP	Dynamic Probe Test
CPT	Cone Penetrometer Test
SPT	Standard Penetrometer Test
V	Hand Shear Vane Strength Determination (kPa) – manufacturer's calibration of 1.491 applied to direct reading
V*	Hand Shear Vane Strength Determination (kPa) on excavated block of material

References

BS 5930:2015 + A1:2020 Code of Practice for Ground Investigations

BS 10175:2011+A2:2017 Investigation of Potentially Contaminated Sites – Code of Practice

BS EN ISO 14688-1:2018 Geotechnical Investigation and Testing – Identification and Classification of Soil: Part 1 Identification and description.

BS EN ISO 14688-2:2018 Geotechnical Investigation and Testing – Identification and Classification of Soil: Part 2 Principles of Classification.

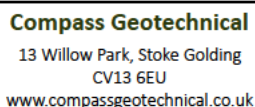
BS EN ISO 22475-1:2006 Geotechnical Investigation and Testing – Sampling Methods and Groundwater measurements: Part 1 Technical Principles for Execution.

BS EN ISO 22476-2:2005+A1:2011 Field Testing Part 2: Dynamic Probing.

BS EN ISO 22476-3:2005 + A1:2011 Geotechnical Investigation and Testing – Field Testing: Part 3: Standard Penetration Test.

EUR 26227 EN, 2013 Eurocode 7 Chapter 5 Ground Investigation and Testing.

 Compass Geotechnical 13 Willow Park, Stoke Golding CV13 6EU www.compassgeotechnical.co.uk		Windowless Sample Borehole Log				Project ID 253128		Borehole No. WS1						
Project Title: Old Horsham Fire Station		Location: Old Horsham Fire Station, Hurst Road, Horsham, RH12 2DN		Client: EQ Care Horsham Ltd		Sheet 1 of 1								
						Scale: 1:25								
						Date Drilled 02/06/2025								
Easting:		Northing:		Level (mAOD):		Rig Crew: JH								
						Logged: TF								
						Checked: RF								
Samples & In Situ Testing			Strata Details					Groundwater						
Depth (mBGL)	Sample / Test ID	Test Result	Level (mAOD)	Depth (mBGL)	Legend	Strata Description	Depth (mBGL)	Water Strike	Backfill/ Installation					
0.00 - 1.00	L	N=20 (4/4,3,5,8)		0.13		Asphalt pavement.(0.12m)	1							
0.13 - 0.17	ES			0.17		MADE GROUND: Dark grey and yellowish brown gravelly fine to coarse sand. Gravel is asphalt and red brick. MADE GROUND: Red brick - possible old foundation.(0.46m)								
0.65 - 0.70	ES			0.63		Pale grey and dark yellowish brown mottled and stained grey slightly silty CLAY. [Upper Tunbridge Wells Sand].								
0.80 - 1.00	ES			0.72		Stiff pale grey and dark yellowish brown mottled silty CLAY with occasional horizons of pale grey siltstone up to 20mm thick. Rare ancient roots. [Upper Tunbridge Wells Sand]. (0.82m)								
1.00 - 1.45	SPT(C)					Very stiff pale brown, brown and light grey CLAY/ extremely weak MUDSTONE. [Upper Tunbridge Wells Sand].(0.84m) <i>Grading to MUDSTONE stained reddish brown.</i>								
1.00 - 2.00	L													
1.30 - 1.50	D													
2.00 - 2.38	SPT(C)			N=83 (8/10,15,58,0 for 0mm)	2.38	Borehole Completed at 2.375m				2				
												3		
							4							
							5							
Borehole Diameter		Casing Diameter		Chiselling & Pits				Water Strikes		Observations				
Depth (m)	Diameter	Depth (m)	Diameter	Depth Top	To (m)	Duration	Remarks	Strike at (m)	Casing at (m)	Sealed at (m)	Time Mins	Rose to (m)	Remarks	
2.38	87	1.00	115											
Installation				Remarks:										
Top (m)	Base (m)	Type	Dia (mm)	No groundwater seepages encountered during drilling										



Project ID
253128

Borehole No.
WS2

Sheet 1 of 1

Scale: 1:25

Project Title:
Old Horsham Fire Station

Location:
Old Horsham Fire Station, Hurst Road, Horsham, RH12 2DN

Client:
EQ Care Horsham Ltd

Date Drilled

02/06/2025

Rig Crew: JH

Logged:	TF
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Checked:	RF
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Easting:

Northing:

Level (mAOD):

20-24	Checked
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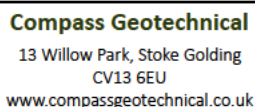
Samples & In Situ Testing

Strata Details

Groundwater

[illegible]

Borehole Diameter		Casing Diameter		Chiselling & Pits				Water Strikes			Observations		
Depth (m)	Diameter	Depth (m)	Diameter	Depth Top	To (m)	Duration	Remarks	Strike at (m)	Casing at (m)	Sealed at (m)	Time Mins	Rose to (m)	Remarks
3.85	87	1.00	115										
Installation				Remarks: No groundwater seepages encountered during drilling									
Top (m)	Base (m)	Type	Dia (mm)										
0.00	1.00	PLAIN	63										
1.00	2.88	SLOTTED	63										



Project ID
253128

Borehole No.
WS3

Sheet 1 of 1

Scale: 1:25

Project Title:
Old Horsham Fire Station

Location:
Old Horsham Fire Station, Hurst Road,
Horsham, RH12 2DN

Client:
EQ Care Horsham Ltd

Date Drilled

02/06/2025

Rig Crew: JH

Logged:	TF
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Easting:

Northing:

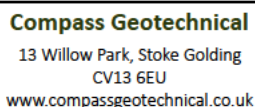
Level (mAOD):

Checked:	RM
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Samples & In Situ Testing				Strata Details				Groundwater		
Depth (mBGL)	Sample / Test ID	Test Result	Level (mAOD)	Depth (mBGL)	Legend	Strata Description	Depth (mBGL)	Water Strike	Backfill/ Installation	
0.00 - 1.00	L	N=10 (4/2,2,3,3)				Concrete Slab. Cored out prior to drilling.(0.20m)	1			
0.20 - 0.40	ES			0.20		MADE GROUND: Crushed concrete and dark yellowish brown sand with occasional black white brown fine to coarse sub rounded chert gravel.(0.21m)				
0.45 - 0.90	ES			0.41		Stiff yellowish brown, dark yellowish brown and grey silty CALY with occasional siltstone lithorelicts of fine to coarse gravel size. [Upper Tunbridge Wells Sand].(0.51m)				
0.80 - 0.90	D									
0.95 - 1.00	ES			0.92		Stiff grey and dark grey rarely mottled dark yellowish brown silty CLAY with occasional silty fine sandstone lithorelicts. Slightly organic. [Upper Tunbridge Wells Sand].(0.56m)				
1.00 - 1.45	SPT(C)									
1.00 - 2.00	L	N=20 (6/4,5,5,6)					2			
1.20 - 1.50	D									
				1.48		Weak light grey and dark grey MUDSTONE with horizons of grey clay. [Upper Tunbridge Wells Sand].(0.52m)				
2.00 - 2.45	SPT(C)	N=44 (8/6,8,13,17)		2.00		Very stiff yellowish brown mottled light grey, pale brown and rarely orange brown CLAY with rare mudstone lithorelicts of fine gravel size [Upper Tunbridge Wells Sand].(0.64m)	3			
2.00 - 3.00	L									
2.40 - 2.60	D	N=50 (50 for 50mm/50 for 5mm)					4			
				2.64		Weak light grey and dark grey MUDSTONE. [Upper Tunbridge Wells Sand].(0.96m)				
3.00 - 3.45	SPT(C)	N=50 (50 for 50mm/50 for 5mm)					5			
3.00 - 3.50	L									
3.50 - 3.56	SPT(C)			3.60		Borehole Completed at 3.600m				

Borehole Diameter		Casing Diameter		Chiselling & Pits				Water Strikes			Observations		
Depth (m)	Diameter	Depth (m)	Diameter	Depth Top	To (m)	Duration	Remarks	Strike at (m)	Casing at (m)	Sealed at (m)	Time Mins	Rose to (m)	Remarks
3.60	87	1.00	115										
Installation				Remarks: No groundwater seepages encountered during drilling									
Top (m)	Base (m)	Type	Dia (mm)										
0.00	1.00	PLAIN	63										
1.00	3.60	SLOTTED	63										

 Compass Geotechnical 13 Willow Park, Stoke Golding CV13 6EU www.compassgeotechnical.co.uk		Windowless Sample Borehole Log						Project ID 253128			Borehole No. WS4										
											Sheet 1 of 1										
		Project Title: Old Horsham Fire Station		Location: Old Horsham Fire Station, Hurst Road, Horsham, RH12 2DN						Client: EQ Care Horsham Ltd			Scale: 1:25								
Easting:		Northing:						Level (mAOD):			Date Drilled 02/06/2025										
Checked: RF		Rig Crew: JH			Logged: TF			Groundwater													
Samples & In Situ Testing		Strata Details										Groundwater									
Depth (mBGL)		Sample / Test ID		Test Result		Level (mAOD)		Depth (mBGL)		Legend		Strata Description				Depth (mBGL)		Water Strike		Backfill/ Installation	
0.00 - 1.00		L						0.20				Concrete slab - cored our prior to drilling.(0.20m)									
0.60 - 0.70		ES						0.60				MADE GROUND: Crushed Concrete.(0.40m)									
0.70 - 0.75		ES						0.60				Stiff yellowish brown, dark yellowish brown and grey slightly silty CLAY. [Upper Tunbridge Wells Sand].(0.84m)									
1.00 - 1.45		SPT(C)		N=22 (3/4,4,5,9)				1.44				Extremely weak dark grey and grey MUDSTONE recovered as fine to coarse tabular gravel. [Upper Tunbridge Wells Sand].(0.19m)									
1.00 - 2.00		L						1.63				Very stiff yellowish brown mottled light grey, pale brown and rarely orange brown CLAY with rare mudstone lithorelics of fine gravel size [Upper Tunbridge Wells Sand].(0.82m)									
1.80 - 2.00		D						2.45				Borehole Completed at 2.450m									
2.00 - 2.45		SPT(C)		N=71 (9/10,11,16,34)																	
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Project ID
253128

Borehole No.
WS5

Sheet 1 of 1

Scale: 1:25

Project Title:
Old Horsham Fire Station

Location:
Old Horsham Fire Station, Hurst Road,
Horsham, RH12 2DN

Client:
EQ Care Horsham Ltd

Date Drilled
02/06/2025

Rig Crew: JH

Logged:	TF
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Checked:	RF
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Easting:

Northings:

Level (mAOD):

		Groundwater
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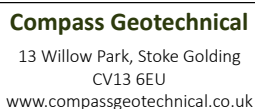
Samples & In Situ Testing

Strata Details

Groundwater

[illegible]

Borehole Diameter		Casing Diameter		Chiselling & Pits				Water Strikes			Observations		
Depth (m)	Diameter	Depth (m)	Diameter	Depth Top	To (m)	Duration	Remarks	Strike at (m)	Casing at (m)	Sealed at (m)	Time Mins	Rose to (m)	Remarks
2.92	87	1.00	115										
Installation				Remarks: No groundwater seepages encountered during drilling									
Top (m)	Base (m)	Type	Dia (mm)										
0.00	1.00	PLAIN	63										
1.00	2.92	SLOTTED	63										



Project ID
253128

Borehole No.
WS6

Sheet 1 of 1

Scale: 1:25

Project Title:
Old Horsham Fire Station

Location:
Old Horsham Fire Station, Hurst Road, Horsham, RH12 2DN

Client:	EQ Care Horsham Ltd
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Date Drilled	02/06/2025
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Rig Crew: JH

Logged:	TH
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Checked:	RM
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Easting:	
	Samples & In Situ Testing

Northing:	Level (mAOD):
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Level (mAOD):

Checked:	RM
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Samples & In Situ Testing

Strata Details

Groundwater

[illegible]

Borehole Diameter		Casing Diameter		Chiselling & Pits				Water Strikes			Observations		
Depth (m)	Diameter	Depth (m)	Diameter	Depth Top	To (m)	Duration	Remarks	Strike at (m)	Casing at (m)	Sealed at (m)	Time Mins	Rose to (m)	Remarks
3.20	87	1.00	115										
Installation				Remarks: No groundwater seepages encountered during drilling									
Top (m)	Base (m)	Type	Dia (mm)										



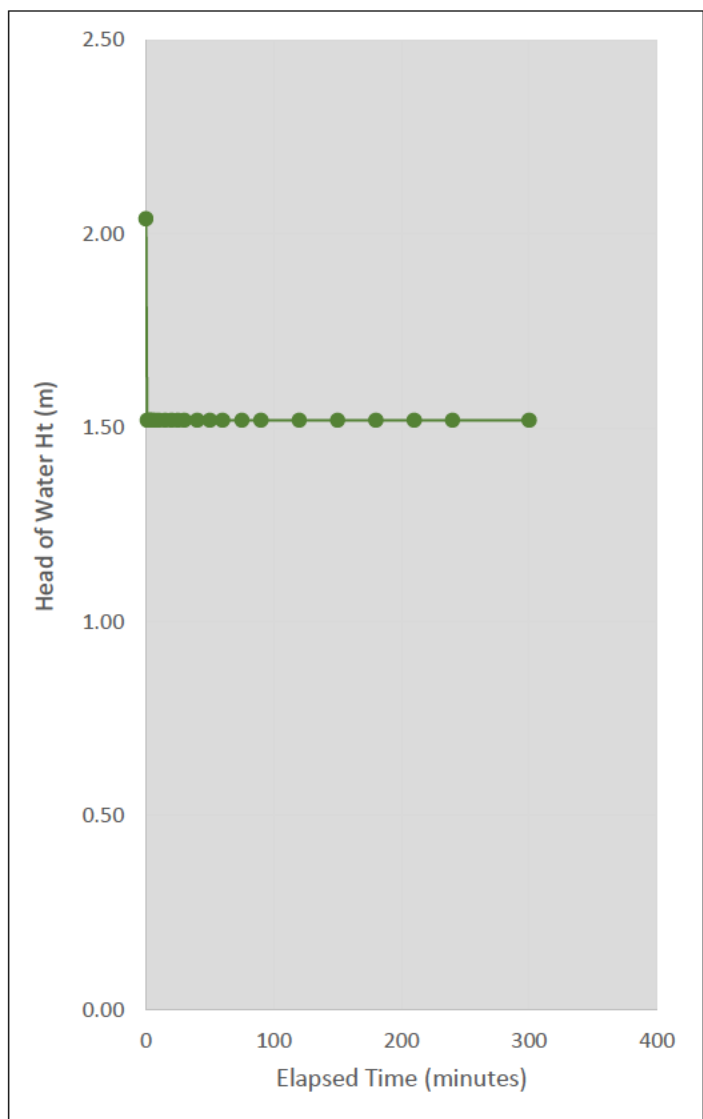
Appendix (iv)
Falling Head Permeability Test Results



Test Report of Variable Head Permeability Test in a Borehole (BS EN ISO 22282-1:2012 and BS EN ISO 22282-2:2012)

SITE	Old Fire Station Hurst Road, Horsham		
Position	WS2 Test 1	Date	11/06/2025
Total Depth of Borehole (m)	2.79	Initial Head of Water (H_0)	2.04
Borehole Diameter (m)	0.12	Final Head of Water (H_1)	1.52
Response Zone Top (m)	1.00	Time T0 at H0 (seconds)	0
Response Zone Bottom (m)	2.79	Time T1 at H1 (seconds)	18000
Diameter of Pipe (m)	0.050	Cross Section Area S (m^2)	0.00196
Standing Water Level (m)	2.04	Response Zone Length (m)	1.79

Elapsed Time (minutes)	Depth to Water (m)	Head of Water H_t (m)
0	0.00	2.04
1	0.52	1.52
2	0.52	1.52
3	0.52	1.52
4	0.52	1.52
5	0.52	1.52
7	0.52	1.52
10	0.52	1.52
15	0.52	1.52
20	0.52	1.52
25	0.52	1.52
30	0.52	1.52
40	0.52	1.52
50	0.52	1.52
60	0.52	1.52
75	0.52	1.52
90	0.52	1.52
120	0.52	1.52
150	0.52	1.52
180	0.52	1.52
210	0.52	1.52
240	0.52	1.52
300	0.52	1.52



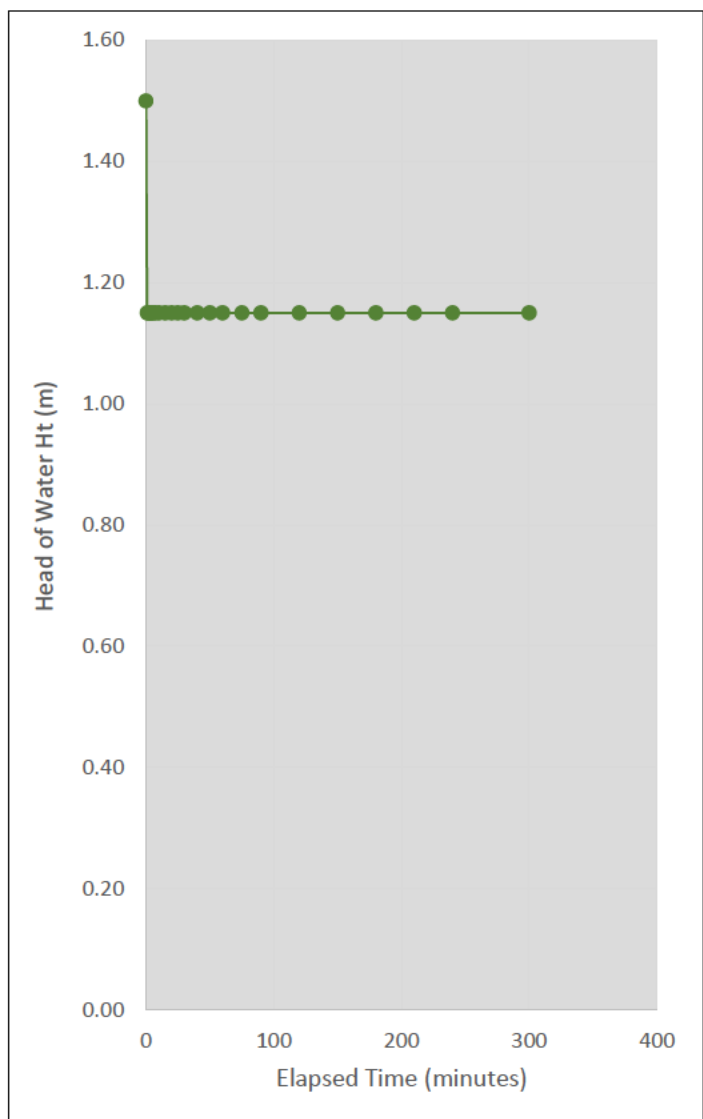
Shape Factor F (BS EN ISO 22282:1-2012)	3.27	Borehole Permeability k (m/s) $K = \frac{SLN(\frac{H_0}{H_1})}{F(T_1 - T_0)}$	9.81E-09
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Test Report of Variable Head Permeability Test in a Borehole (BS EN ISO 22282-1:2012 and BS EN ISO 22282-2:2012)

SITE	Old Fire Station Hurst Road, Horsham		
Position	WS3 Test 1	Date	11/06/2025
Total Depth of Borehole (m)	3.64	Initial Head of Water (H₀)	1.50
Borehole Diameter (m)	0.115	Final Head of Water (H₁)	1.15
Response Zone Top (m)	1.00	Time T0 at H0 (seconds)	0
Response Zone Bottom (m)	3.64	Time T1 at H1 (seconds)	18000
Diameter of Pipe (m)	0.050	Cross Section Area S (m²)	0.00196
Standing Water Level (m)	1.50	Response Zone Length (m)	2.64

Elapsed Time (minutes)	Depth to Water (m)	Head of Water H _t (m)
0	0.00	1.50
1	0.35	1.15
2	0.35	1.15
3	0.35	1.15
4	0.35	1.15
5	0.35	1.15
7	0.35	1.15
10	0.35	1.15
15	0.35	1.15
20	0.35	1.15
25	0.35	1.15
30	0.35	1.15
40	0.35	1.15
50	0.35	1.15
60	0.35	1.15
75	0.35	1.15
90	0.35	1.15
120	0.35	1.15
150	0.35	1.15
180	0.35	1.15
210	0.35	1.15
240	0.35	1.15
300	0.35	1.15



Shape Factor F (BS EN ISO 22282:1-2012)	4.34	Borehole Permeability k (m/s) $K = \frac{SLN(\frac{H_0}{H_1})}{F(T_1 - T_0)}$	6.69E-09
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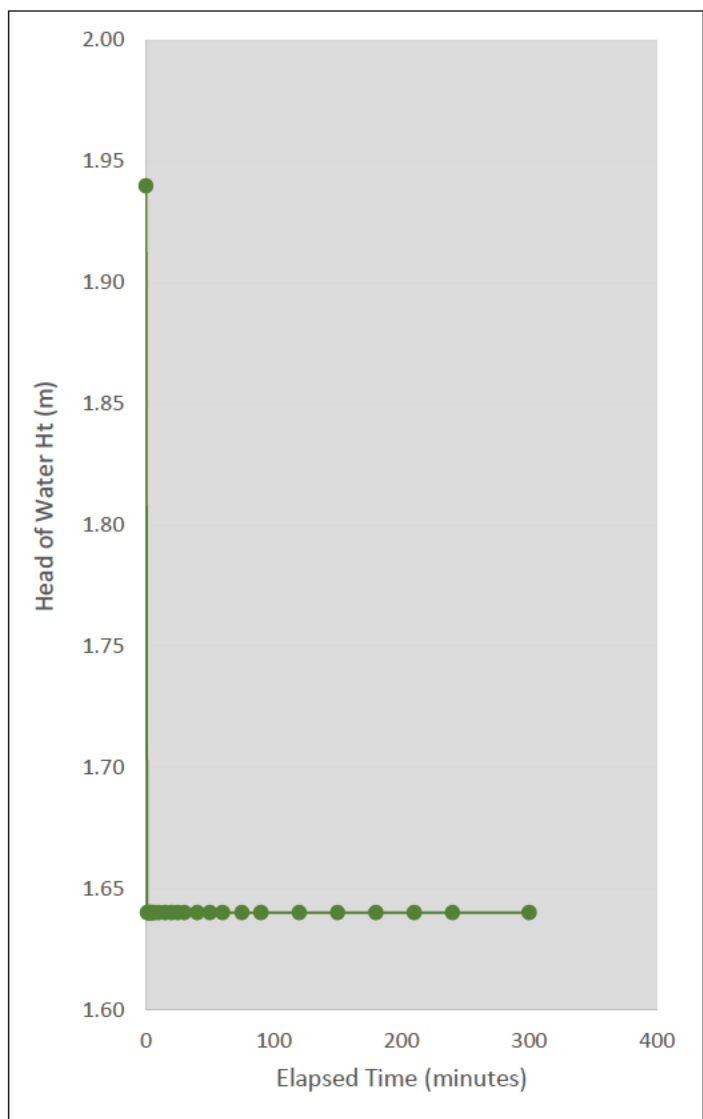
Compass Geotechnical Ltd

Geotechnical, Geoenvironmental and Civil Engineering Consultants

Test Report of Variable Head Permeability Test in a Borehole (BS EN ISO 22282-1:2012 and BS EN ISO 22282-2:2012)

SITE	Old Fire Station Hurst Road, Horsham		
Position	WS5 Test 1	Date	11/06/2025
Total Depth of Borehole (m)	2.81	Initial Head of Water (H₀)	1.94
Borehole Diameter (m)	0.115	Final Head of Water (H₁)	1.64
Response Zone Top (m)	1.00	Time T0 at H0 (seconds)	0
Response Zone Bottom (m)	2.81	Time T1 at H1 (seconds)	18000
Diameter of Pipe (m)	0.050	Cross Section Area S (m²)	0.00196
Standing Water Level (m)	1.94	Response Zone Length (m)	1.81

Elapsed Time (minutes)	Depth to Water (m)	Head of Water H _t (m)
0	0.00	1.94
1	0.30	1.64
2	0.30	1.64
3	0.30	1.64
4	0.30	1.64
5	0.30	1.64
7	0.30	1.64
10	0.30	1.64
15	0.30	1.64
20	0.30	1.64
25	0.30	1.64
30	0.30	1.64
40	0.30	1.64
50	0.30	1.64
60	0.30	1.64
75	0.30	1.64
90	0.30	1.64
120	0.30	1.64
150	0.30	1.64
180	0.30	1.64
210	0.30	1.64
240	0.30	1.64
300	0.30	1.64



Shape Factor F (BS EN ISO 22282:1-2012)	3.30	Borehole Permeability k (m/s) $K = \frac{SLN(\frac{H_0}{H_1})}{F(T_1 - T_0)}$	5.56E-09
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Appendix (v)
Gas Monitoring Results



Gas and Groundwater Monitoring Record Sheet

Site	Horsham Fire Station						Job No	253128	
Position	BHA						Technician	CT	
Response Zone	Top m bgl	1.00		Bottom m bgl	10.12		Response Zone Stratum	UTW	

Date	Depth m bgl	Methane %		Carbon Dioxide %		Oxygen %		Carbon Monoxide ppm		Hydrogen Sulphide ppm		Atmospheric Pressure mBar	Relative Pressure mBar	Gas Flow l/h		Water Level m bgl
		Peak	Steady	Peak	Steady	Low	Steady	Peak	Steady	Peak	Steady			Peak	Steady	

16.07.25	10.12	0.0	0.0	1.0	0.9	18.7	18.7	0	0	0	0	1011	0.00	0.3	0.3	2.75
Observations		Stable		Gradual rise		Gradual fall		Stable		Stable		Rising		Stable		
Ambient Conditions		0.0		0.1		21.6		0		0		1011	Weather Conditions		Sunny 15°C	

28.07.25	10.12	0.1	0.0	1.6	1.4	18.1	18.4	0	0	0	0	1017	0.02	0.2	0.2	2.41
Observations		Stable		Stable		Stable		Stable		Stable		High		Stable		
Ambient Conditions		0.0		0.1		215.0		0		0		1016	Weather Conditions		Sunny 15°C	

05.08.25	10.12	0.1	0.1	2.1	1.8	18.9	19.1	0	0	0	0	1017	0.03	0.4	0.3	2.51
Observations		Stable		Gradual fall		Stable		Stable		Stable		High		Stable		
Ambient Conditions		0.0		0.1		21.7		0		0		1016	Weather Conditions		Sunny 14°C	

20.08.25	10.12	0.1	0.0	0.9	0.9	17.9	18.2	0	0	0	0	1012	0.09	0.2	0.2	2.81
Observations		Stable		Stable		Gradual fall		Stable		Stable		Falling		Stable		
Ambient Conditions		0.1		0.1		21.4		0		0		1011	Weather Conditions		Cloudy 14°C	

02.09.25	10.12	0.1	0.1	2.1	1.5	16.1	17.7	0	0	0	0	1001	0.07	0.2	0.2	1.76
Observations		Stable		Stable		Stable		Stable		Stable		Low		Stable		
Ambient Conditions		0.0		0.1		21.7		0		0		1000	Weather Conditions		Cloudy 12°C	

10.09.25	10.12	0.1	0.1	0.9	0.8	20.3	20.3	0	0	0	0	1011	0.12	0.2	0.2	2.19
Observations		Stable		Stable		Stable		Stable		Stable		Falling		Stable		
Ambient Conditions		0.1		0.1		21.2		0		0		1000	Weather Conditions		Heavy rain 13°C	

Comments	N/R = Not Recorded															
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Gas and Groundwater Monitoring Record Sheet

Site	Horsham Fire Station						Job No	253128	
Position	BHB						Technician	CT	
Response Zone	Top m bgl	1.00		Bottom m bgl	9.80		Response Zone Stratum	UTW	

Date	Depth m bgl	Methane %		Carbon Dioxide %		Oxygen %		Carbon Monoxide ppm		Hydrogen Sulphide ppm		Atmospheric Pressure mBar	Relative Pressure mBar	Gas Flow l/h		Water Level m bgl
		Peak	Steady	Peak	Steady	Low	Steady	Peak	Steady	Peak	Steady			Peak	Steady	

16.07.25	9.80	0.1	0.0	9.9	3.1	11.2	18.0	0	0	0	0	1011	0.10	0.2	0.2	4.22
Observations		Stable		Quick fall		Gradual rise		Stable		Stable		Rising		Stable		
Ambient Conditions		0.0		0.1		20.9		0		0		1010	Weather Conditions	Sunny 15°C		

28.07.25	9.80	0.0	0.0	9.8	3.3	12.3	18.1	0	0	0	0	1016	-0.02	0.1	0.0	4.08
Observations		Stable		Quick fall		Gradual rise		Stable		Stable		High		Stable		
Ambient Conditions		0.0		0.1		20.9		0		0		1015	Weather Conditions	Sunny 15°C		

05.08.25	9.80	0.0	0.0	9.5	3.1	13.4	18.8	0	0	0	0	1017	0.05	0.1	0.0	4.05
Observations		Stable		Quick fall		Gradual rise		Stable		Stable		High		Stable		
Ambient Conditions		0.0		0.1		20.9		0		0		1016	Weather Conditions	Sunny 14°C		

20.08.25	9.8	0.1	0.0	10.6	1.7	13.3	19.6	0	0	0	0	1010	0.05	0.3	0.3	4.25
Observations		Stable		Quick fall		Gradual rise		Stable		Stable		Falling		Stable		
Ambient Conditions		0.0		0.1		20.8		0		0		1010	Weather Conditions	Cloudy 14°C		

02.09.25	4.9	0.1	0.1	9.3	2.5	13.1	18.7	0	0	0	0	1001	0.02	0.2	0.2	4.90
Observations		Stable		Quick fall		Gradual rise		Stable		Stable		Low		Stable		
Ambient Conditions		0.0		0.1		20.7		0		0		1000	Weather Conditions	Cloudy 12°C		

10.09.25	9.8	0.1	0.1	6.9	3.1	4.9	15.9	0	0	0	0	1001	0.03	0.2	0.1	5.40
Observations		Stable		Quick fall		Gradual rise		Stable		Stable		Falling		Stable		
Ambient Conditions		0.1		0.1		20.7		0		0		1000	Weather Conditions	Heavy rain 13°C		

Comments	N/R = Not Recorded															
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Summary of Gas Monitoring Results

Site		Horsham Fire Station									Job No		253128	
Date	Borehole ID	Methane %		Carbon Dioxide %		Flow L/h		Q _{hg} CH ₄ (peak)	Q _{hg} CO ₂ (peak)	Stratum Screened	Flooded Response Zone (Yes/No)	Barometric Pressure		
		Peak	Steady	Peak	Steady	Peak	Steady							
16.07.25	BHA	0.0	0.0	1.0	0.9	0.3	0.3	0.0003	0.0030	UTW	Partially	Rising		
	BHB	0.1	0.0	9.9	3.1	0.2	0.2	0.0002	0.0198	UTW	Partially			
28.07.25	BHA	0.1	0.0	1.6	1.4	0.2	0.2	0.0002	0.0032	UTW	Partially	High		
	BHB	0.0	0.0	9.8	3.3	0.1	0.0	0.0001	0.0098	UTW	Partially			
05.08.25	BHA	0.1	0.1	2.1	1.8	0.4	0.3	0.0003	0.0063	UTW	Partially	High		
	BHB	0.0	0.0	9.5	3.1	0.1	0.0	0.0001	0.0095	UTW	Partially			
20.08.25	BHA	0.1	0.0	0.9	0.9	0.2	0.2	0.0002	0.0018	UTW	Partially	Falling		
	BHB	0.1	0.0	10.6	1.7	0.3	0.3	0.0003	0.0318	UTW	Partially			
02.09.25	BHA	0.1	0.1	2.1	1.5	0.2	0.2	0.0002	0.0042	UTW	Partially	Low		
	BHB	0.1	0.1	9.3	2.5	0.2	0.2	0.0002	0.0186	UTW	Partially			
10.09.25	BHA	0.1	0.1	0.9	0.8	0.2	0.2	0.0002	0.0018	UTW	Partially	Falling		
	BHB	0.1	0.1	6.9	3.1	0.2	0.1	0.0001	0.0069	UTW	Partially			
Comments		Q _{hg} calculated using peak concentrations and steady state flow												



Characteristic Gas Situation (CS)

Site	Horsham Fire Station	Job No	253128
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Borehole ID	C _{hg} CH ₄ %	C _{hg} CO ₂ %	Flow rate (max) q L/h	Q _{hg} CH ₄ L/h	Q _{hg} CO ₂ L/h	Implied CH ₄ CS	Implied CO ₂ CS
BHA	0.1	2.1	0.3	0.0003	0.0063	CS1	CS1
BHB	0.1	10.6	0.3	0.0003	0.0318	CS1	CS1

Comments	Implied maximum CS derived from consideration of the maximum hazardous gas flow rate calculated from any single borehole standpipe during any of these subsequent monitoring results						
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Worst Case Check

Worst Case Check	C _{hg} CH ₄ %	C _{hg} CO ₂ %	Flow rate (max) q L/h	Q _{hg} CH ₄ L/h	Q _{hg} CO ₂ L/h	Implied CH ₄ CS	Implied CO ₂ CS
	0.1	10.6	0.3	0.0003	0.0318	CS1	CS1

Comments	Worst case implied CS derived by combining the maximum observed flow rate and maximum observed concentrations from different boreholes during any of these subsequent monitoring results						
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Appendix (vi)
Groundwater Monitoring Results



Groundwater Monitoring

SITE		Hurst Road, Horsham		
Date	Position	Depth to Water (m bgl)	Total Depth (m bgl)	Comments
16.07.25	WS2	2.76	2.76	
	WS3	2.50	3.53	
	WS5	2.32	2.78	
28.07.25	WS2	2.60	2.76	
	WS3	2.34	3.55	
	WS5	2.00	2.78	
05.08.25	WS2	2.52	2.76	
	WS3	2.21	3.55	
	WS5	2.04	2.78	
20.08.25	WS2	dry	2.76	
	WS3	2.50	3.55	
	WS5	2.36	2.78	
02.09.25	WS2	2.23	2.76	
	WS3	2.12	3.55	
	WS5	1.84	2.78	
10.09.25	WS2	2.21	2.76	
	WS3	2.01	3.55	
	WS5	1.63	2.78	



Appendix (vii)
Laboratory Test Results – Material Properties



TEST REPORT
ISSUED BY SOIL PROPERTY TESTING LTD
DATE ISSUED: 19/06/2025



Contract	Horsham		
Serial No.	47786_1		
Client: Compass Geotechnical Limited 13 Willow Park Upton Lane Stoke Golding Nuneaton Warwickshire CV13 6EU		<i>Soil Property Testing Ltd</i> 15, 16, 18 Halcyon Court, St Margaret's Way, Stukeley Meadows, Huntingdon, Cambridgeshire, PE29 6DG Tel: 01480 455579 Email: enquiries@soilpropertytesting.com Website: www.soilpropertytesting.com	
Samples Submitted By: Compass Geotechnical Limited Samples Labelled: Horsham		Approved Signatories: ☒ J.C. Garner B.Eng (Hons) FGS Technical Director & Quality Manager ☐ W. Johnstone Materials Lab Manager 	
Date Received: 10/06/2025		Samples Tested Between: 10/06/2025 and 19/06/2025	
Remarks: For the attention of Rachel Foord Your Order No: 253128-2			
Notes: 1 All remaining samples or remnants from this contract will be disposed of after 21 days from today, unless we are notified to the contrary. 2 Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. 3 Tests marked "NOT UKAS ACCREDITED" in this test report are not included in the UKAS Accreditation Schedule for this testing laboratory. 4 This test report may not be reproduced other than in full except with the prior written approval of the issuing laboratory. 5 The results within this report only relate to the items tested or sampled.			



TEST REPORT

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Bore Hole No.	Type	Sample Ref.	Top Depth	Water Content (BS EN) Liquid/Plastic Limits Wet Sieve Preparation																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					



TEST REPORT

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Contract		Horsham												
Serial No.		47786_1												
SUMMARY OF WATER CONTENT, LIQUID LIMIT, PLASTIC LIMIT, PLASTICITY INDEX AND LIQUIDITY INDEX														
Borehole /Pit No.	Depth (m)	Type	Ref.	Water Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasti- city Index (%)	Liquid- ity Index	Sample Preparation				Description	Class
									Method	Ret'd 0.425mm (%)	Corr'd W/C <0.425mm	Curing Time (hrs)		
WS1	0.80 - 1.00	D	-	21.4	58	24	34	-0.08	From Natural	0 (A)		27	Very stiff fissured mottled light bluish grey and orangish brown CLAY with occasional decayed root networks.	CH
WS1	1.30 - 1.50	D	-	20.8	53	22	31	-0.04	From Natural	0 (A)		28	Very stiff closely fissured mottled light bluish grey, orangish brown and olive yellow CLAY with rare decayed roots.	CH
WS2	0.80 - 1.00	D	-	15.4	30	20	10	-0.46	Wet Sieved	9 (M)	16.9*	25	Hard closely fissured mottled light bluish grey, orangish brown and olive yellow silty CLAY with occasional fine to medium angular to sub angular weak siltstones and lithorelicts	CL
WS3	1.20 - 1.50	D	-	24.5	46	24	22	0.02	From Natural	0 (A)		28	Stiff mottled light bluish grey, orangish brown and olive yellow silty CLAY.	CI
WS3	2.40 - 2.60	D	-	20.3	51	23	28	-0.10	From Natural	<1% (A)		28	Very stiff closely fissured mottled light bluish grey, orangish brown and olive yellow CLAY with rare fine weak lithorelicts.	CH
WS4	1.80 - 2.00	D	-	20.6	52	25	27	-0.16	From Natural	<1% (A)		24	Very stiff fissured mottled light bluish grey and olive yellow CLAY with rare orange straining and rare fine weak lithorelicts.	CH
WS5	0.80 - 0.90	D	-	15.6	31	20	11	-0.40	Wet Sieved	2 (M)	15.9*	25	Hard friable mottled light bluish grey and olive yellow silty CLAY with occasional orange staining with fine to medium, angular to sub angular weak lithorelicts and siltstone.	CL
WS5	2.30 - 2.50	D	-	18.0	46	19	27	-0.04	Wet Sieved	8 (M)	19.5*	25	Very stiff closely fissured mottled light bluish grey, orangish brown and olive yellow silty CLAY with occasional fine to medium, angular to sub angular weak lithorelicts and siltstones.	CI
Method Of Preparation: BS EN ISO: 17892-1: 2014+A1:2022 & BS 1377: Part 2:1990:4.2														
Method of Test: BS EN ISO: 17892-1: 2014+A1:2022 & BS 1377: Part 2:1990:3.2, 4.4, 5.3, 5.4														
Type of Sample Key: U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter														
Comments: *Corrected water content assume material greater than 0.425mm is non-porous. See BS1377: Part 2: 1990 Clause 3 Note 1.														
Table Notation: Ret'd 0.425mm: (A) = Assumed, (M) = Measured														



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Contract		Horsham												
Serial No.		47786_1												
SUMMARY OF WATER CONTENT, LIQUID LIMIT, PLASTIC LIMIT, PLASTICITY INDEX AND LIQUIDITY INDEX														
Borehole /Pit No.	Depth (m)	Type	Ref.	Water Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasti- city Index (%)	Liquid- ity Index	Sample Preparation				Description	Class
									Method	Ret'd 0.425mm (%)	Corr'd W/C <0.425mm	Curing Time (hrs)		
WS6	0.80 - 1.00	D	-	20.7	30	21	9	-0.04	From Natural	0 (A)		24	Very stiff mottled bluish grey and olive yellow silty CLAY with occasional orange staining.	CL
WS6	1.80 - 2.00	D	-	21.7	48	25	23	-0.14	From Natural	0 (A)		24	Very stiff closely fissured mottled light bluish grey and orangish brown silty CLAY.	CI
Method Of Preparation: BS EN ISO: 17892-1: 2014+A1:2022 & BS 1377: Part 2:1990:4.2														
Method of Test: BS EN ISO: 17892-1: 2014+A1:2022 & BS 1377: Part 2:1990:3.2, 4.4, 5.3, 5.4														
Type of Sample Key: U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter														
Comments:														
Table Notation: Ret'd 0.425mm: (A) = Assumed, (M) = Measured														



TEST REPORT

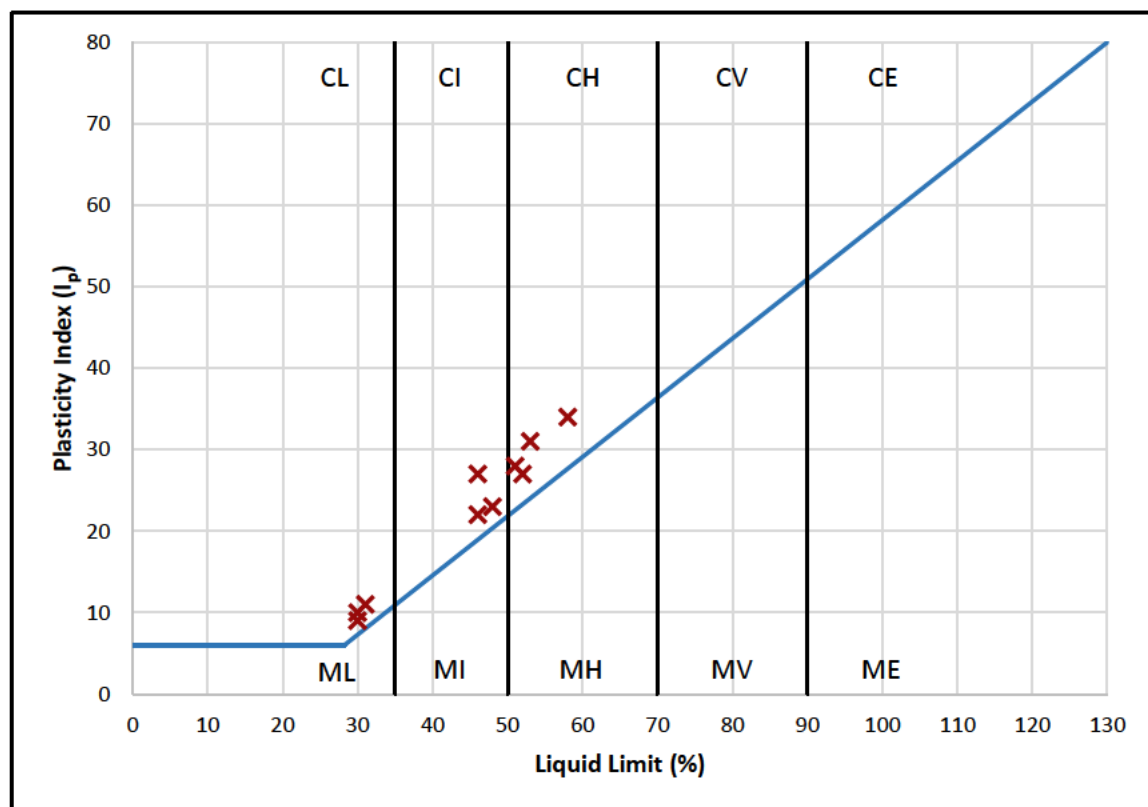
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DATE ISSUED: 19/06/2025



Contract	Horsham
Serial No.	47786_1

PLOT OF PLASTICITY INDEX AGAINST LIQUID LIMIT USING CASAGRANDE CLASSIFICATION CHART

Plasticity				
Low	Medium	High	Very High	Extremely High



Plasticity Chart BS5930: 2015: Figure 8

High	NHBC Volume Change Potential
Medium	
Low	

Method of Preparation:	BS 1377: Part 2: 1990: 4.2
Method of Test:	BS1377: Part 2: 3.2, 4.4, 5.3, 5.4
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	Volume Change Potential: NHBC Standards Chapter 4.2 Unmodified Plasticity Index



TEST REPORT

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DATE ISSUED: 19/06/2025



Contract	Horsham						
Serial No.	47786_1						
DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX							
Borehole / Pit No.	Depth m	Sample Type Reference		Water Content (W) %	Description	Remarks	
WS1	0.80 - 1.00	D	-	21.4	Very stiff fissured mottled light bluish grey and orangish brown CLAY with occasional decayed root networks.		
PREPARATION					Liquid Limit	58 %	
Method of preparation					From natural	Plastic Limit	24 %
Sample retained 0.425mm sieve (Assumed)					0 %	Plasticity Index	34 %
Corrected water content for material passing 0.425mm						Liquidity Index	-0.08
Sample retained 2mm sieve (Assumed)					0 %	NHBC Modified (I'p)	n/a
Curing time		27 hrs		Clay Content	Not analysed	Derived Activity	Not analysed
C=CLAY M=SILT Plasticity Index % (Ip) 70 60 50 40 30 20 10 0 CL CI CH CV CE ML MI MH MV ME 0 10 20 30 40 50 60 70 80 90 100 110 120 Plasticity Chart BS5930: 2015: Figure 8 High Medium Low NHBC Volume Change Potential Liquid Limit %							
Method of Preparation: BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 4.2							
Method of Test: BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 3.2, 4.4, 5.3, 5.4							
Type of Sample Key: U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter							
Comments:							



TEST REPORT

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DATE ISSUED: 19/06/2025



Contract	Horsham						
Serial No.	47786_1						
DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX							
Borehole / Pit No.	Depth m	Sample Type Reference		Water Content (W) %	Description	Remarks	
WS1	1.30 - 1.50	D	-	20.8	Very stiff closely fissured mottled light bluish grey, orangish brown and olive yellow CLAY with rare decayed roots.		
PREPARATION					Liquid Limit	53 %	
Method of preparation					From natural	Plastic Limit	22 %
Sample retained 0.425mm sieve (Assumed)					0 %	Plasticity Index	31 %
Corrected water content for material passing 0.425mm						Liquidity Index	-0.04
Sample retained 2mm sieve (Assumed)					0 %	NHBC Modified (I'p)	n/a
Curing time		28 hrs		Clay Content	Not analysed	Derived Activity	Not analysed
C=CLAY M=SILT Plasticity Index % (I_p) High Medium Low NHBC Volume Change Potential Liquid Limit %							

Plasticity Chart BS5930: 2015: Figure 8



TEST REPORT

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Contract	Horsham						
Serial No.	47786_1						
DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX							
Borehole / Pit No.	Depth m	Sample Type	Reference	Water Content (W) %	Description	Remarks	
WS2	0.80 - 1.00	D	-	15.4	Hard closely fissured mottled light bluish grey, orangish brown and olive yellow silty CLAY with occasional fine to medium angular to sub angular weak siltstones and lithorelicts		
PREPARATION					Liquid Limit	30 %	
Method of preparation					Wet sieved over 0.425mm sieve	Plastic Limit	20 %
Sample retained 0.425mm sieve (Measured)					9 %	Plasticity Index	10 %
Corrected water content for material passing 0.425mm					16.9 %	Liquidity Index	-0.46
Sample retained 2mm sieve (Measured)					8 %	NHBC Modified (I'p)	9 %
Curing time		25 hrs		Clay Content	Not analysed	Derived Activity	Not analysed
C=CLAY M=SILT Plasticity Index % (Ip) High Medium Low NHBC Volume Change Potential Liquid Limit %							

Plasticity Chart BS5930: 2015: Figure 8



TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD
DATE ISSUED: 19/06/2025



Contract	Horsham						
Serial No.	47786_1						
DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX							
Borehole / Pit No.	Depth m	Sample Type Reference		Water Content (W) %	Description	Remarks	
WS3	1.20 - 1.50	D	-	24.5	Stiff mottled light bluish grey, orangish brown and olive yellow silty CLAY.		
PREPARATION					Liquid Limit	46 %	
Method of preparation					From natural	Plastic Limit	24 %
Sample retained 0.425mm sieve (Assumed)					0 %	Plasticity Index	22 %
Corrected water content for material passing 0.425mm						Liquidity Index	0.02
Sample retained 2mm sieve (Assumed)					0 %	NHBC Modified (I'p)	n/a
Curing time		28 hrs		Clay Content	Not analysed	Derived Activity	Not analysed
C=CLAY M=SILT Plasticity Index % (Ip) High Medium Low NHBC Volume Change Potential Liquid Limit %							

Plasticity Chart BS5930: 2015: Figure 8



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Contract	Horsham					
Serial No.	47786_1					
DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX						
Borehole / Pit No.	Depth m	Sample Type Reference		Water Content (W) %	Description	Remarks
WS3	2.40 - 2.60	D	-	20.3	Very stiff closely fissured mottled light bluish grey, orangish brown and olive yellow CLAY with rare fine weak lithorelicts.	
PREPARATION					Liquid Limit	51 %
Method of preparation From natural/gravel picked out by hand					Plastic Limit	23 %
Sample retained 0.425mm sieve (Assumed) 0 %					Plasticity Index	28 %
Corrected water content for material passing 0.425mm					Liquidity Index	-0.10
Sample retained 2mm sieve (Assumed) <1 %					NHBC Modified (I'p)	n/a
Curing time 28 hrs		Clay Content Not analysed		Derived Activity		Not analysed
C=CLAY M=SILT Plasticity Index % (I_p) 70 60 50 40 30 20 10 0 CL CI CH CV CE ML MI MH MV ME 0 10 20 30 40 50 60 70 80 90 100 110 120 Plasticity Chart BS5930: 2015: Figure 8 High Medium Low NHBC Volume Change Potential Liquid Limit %						
Method of Preparation: BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 4.2						
Method of Test: BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 3.2, 4.4, 5.3, 5.4						
Type of Sample Key: U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter						
Comments:						



TEST REPORT

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Contract	Horsham					
Serial No.	47786_1					
DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX						
Borehole / Pit No.	Depth m	Sample Type Reference		Water Content (W) %	Description	Remarks
WS4	1.80 - 2.00	D	-	20.6	Very stiff fissured mottled light bluish grey and olive yellow CLAY with rare orange straining and rare fine weak lithorelicts.	
PREPARATION					Liquid Limit	52 %
Method of preparation From natural/gravel picked out by hand					Plastic Limit	25 %
Sample retained 0.425mm sieve (Assumed) 0 %					Plasticity Index	27 %
Corrected water content for material passing 0.425mm					Liquidity Index	-0.16
Sample retained 2mm sieve (Assumed) <1 %					NHBC Modified (I'p)	n/a
Curing time 24 hrs		Clay Content Not analysed		Derived Activity		Not analysed
C=CLAY M=SILT Plasticity Index % (I_p) 70 60 50 40 30 20 10 0 0 10 20 30 40 50 60 70 80 90 100 110 120 CL CI CH CV CE ML MI MH MV ME Plasticity Chart BS5930: 2015: Figure 8 High Medium Low NHBC Volume Change Potential Liquid Limit %						
Method of Preparation: BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 4.2						
Method of Test: BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 3.2, 4.4, 5.3, 5.4						
Type of Sample Key: U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter						
Comments:						



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Contract	Horsham						
Serial No.	47786_1						
DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX							
Borehole / Pit No.	Depth m	Sample Type	Reference	Water Content (W) %	Description	Remarks	
WS5	0.80 - 0.90	D	-	15.6	Hard friable mottled light bluish grey and olive yellow silty CLAY with occasional orange staining with fine to medium, angular to sub angular weak lithorelicts and siltstone.		
PREPARATION					Liquid Limit	31 %	
Method of preparation					Wet sieved over 0.425mm sieve	Plastic Limit	20 %
Sample retained 0.425mm sieve (Measured)					2 %	Plasticity Index	11 %
Corrected water content for material passing 0.425mm					15.9 %	Liquidity Index	-0.40
Sample retained 2mm sieve (Measured)					1 %	NHBC Modified (I'p)	11 %
Curing time		25 hrs		Clay Content	Not analysed	Derived Activity	Not analysed
C=CLAY M=SILT Plasticity Index % (Ip) High Medium Low NHBC Volume Change Potential Liquid Limit %						Plasticity Chart BS5930: 2015: Figure 8	
Method of Preparation:						BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 4.2	
Method of Test:						BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 3.2, 4.4, 5.3, 5.4	
Type of Sample Key:						U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter	
Comments:						Corrected water content assume material greater than 0.425mm non-porous. See BS1377: Part2: 1990 Clause 3 Note 1 Volume Change Potential: NHBC Standards Chapter 4.2 Unmodified Plasticity Index Note: Modified Plasticity Index I'p = Ip x (% less than 425microns/100)	



TEST REPORT

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Contract	Horsham						
Serial No.	47786_1						
DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX							
Borehole / Pit No.	Depth m	Sample Type	Reference	Water Content (W) %	Description	Remarks	
WS5	2.30 - 2.50	D	-	18.0	Very stiff closely fissured mottled light bluish grey, orangish brown and olive yellow silty CLAY with occasional fine to medium, angular to sub angular weak lithorelicts and siltstones.		
PREPARATION					Liquid Limit	46 %	
Method of preparation					Wet sieved over 0.425mm sieve	Plastic Limit	19 %
Sample retained 0.425mm sieve (Measured)					8 %	Plasticity Index	27 %
Corrected water content for material passing 0.425mm					19.5 %	Liquidity Index	-0.04
Sample retained 2mm sieve (Measured)					6 %	NHBC Modified (I'p)	25 %
Curing time		25 hrs		Clay Content	Not analysed	Derived Activity	Not analysed
C=CLAY M=SILT Plasticity Index % (Ip) High Medium Low NHBC Volume Change Potential Liquid Limit %							

Plasticity Chart BS5930: 2015: Figure 8



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Contract	Horsham						
Serial No.	47786_1						
DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX							
Borehole / Pit No.	Depth m	Sample Type Reference		Water Content (W) %	Description	Remarks	
WS6	0.80 - 1.00	D	-	20.7	Very stiff mottled bluish grey and olive yellow silty CLAY with occasional orange staining.		
PREPARATION					Liquid Limit	30 %	
Method of preparation					From natural	Plastic Limit	21 %
Sample retained 0.425mm sieve (Assumed)					0 %	Plasticity Index	9 %
Corrected water content for material passing 0.425mm						Liquidity Index	-0.04
Sample retained 2mm sieve (Assumed)					0 %	NHBC Modified (I'p)	n/a
Curing time		24 hrs		Clay Content	Not analysed	Derived Activity	Not analysed
C=CLAY M=SILT Plasticity Index % (I_p) 70 60 50 40 30 20 10 0 0 10 20 30 40 50 60 70 80 90 100 110 120 CL CI CH CV CE ML MI MH MV ME Plasticity Chart BS5930: 2015: Figure 8 High Medium Low NHBC Volume Change Potential Liquid Limit %							
Method of Preparation: BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 4.2							
Method of Test: BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 3.2, 4.4, 5.3, 5.4							
Type of Sample Key: U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter							
Comments:							



TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD
DATE ISSUED: 19/06/2025



Contract	Horsham						
Serial No.	47786_1						
DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX							
Borehole / Pit No.	Depth m	Sample Type Reference		Water Content (W) %	Description	Remarks	
WS6	1.80 - 2.00	D	-	21.7	Very stiff closely fissured mottled light bluish grey and orangish brown silty CLAY.		
PREPARATION					Liquid Limit	48 %	
Method of preparation					From natural	Plastic Limit	25 %
Sample retained 0.425mm sieve (Assumed)					0 %	Plasticity Index	23 %
Corrected water content for material passing 0.425mm						Liquidity Index	-0.14
Sample retained 2mm sieve (Assumed)					0 %	NHBC Modified (I'p)	n/a
Curing time		24 hrs		Clay Content	Not analysed	Derived Activity	Not analysed
C=CLAY M=SILT Plasticity Index % (I_p) 70 60 50 40 30 20 10 0 0 10 20 30 40 50 60 70 80 90 100 110 120 CL CI CH CV CE ML MI MH MV ME Plasticity Chart BS5930: 2015: Figure 8 High Medium Low NHBC Volume Change Potential Liquid Limit %							
Method of Preparation: BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 4.2							
Method of Test: BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 3.2, 4.4, 5.3, 5.4							
Type of Sample Key: U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter							
Comments:							

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Analytical Report Number : 25-031094

Project / Site name:	Horsham	Samples received on:	12/06/2025
Your job number:	253128-3	Samples instructed on/ Analysis started on:	12/06/2025
Your order number:	253128-3	Analysis completed by:	19/06/2025
Report Issue Number:	1	Report issued on:	19/06/2025
Samples Analysed:	6 soil samples		

Signed:



Dominika Liana
Junior Reporting Specialist
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 25-031094

Project / Site name: Horsham

Your Order No: 253128-3

Lab Sample Number				580629	580630	580631	580632	580633
Sample Reference				WS1	WS2	WS3	WS4	WS6
Sample Number				ES3	ES3	ES3	ES2	ES2
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.80-1.00	1.80-2.00	1.20-1.50	0.70-0.75	0.80-1.00
Date Sampled				04/06/2025	04/06/2025	04/06/2025	04/06/2025	04/06/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	17	15	18	16	16
Total mass of sample received	kg	0.1	NONE	0.5	0.5	0.5	0.5	0.5

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	5	6.9	5.8	7.5	7.3
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	270	85	73	43	87
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	133	42.3	36.4	21.7	43.7
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	20	22	67	18	4.7
Water Soluble Nitrate (2:1) as NO ₃	mg/kg	2	NONE	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Water Soluble Nitrate (2:1) as NO ₃ (leachate equivalent)	mg/l	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Heavy Metals / Metalloids

Magnesium (leachate equivalent)	mg/l	2.5	NONE	9.6	< 2.5	3.4	6.8	4.1
Magnesium (water soluble)	mg/kg	5	NONE	19	< 5.0	6.9	14	8.2

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-031094

Project / Site name: Horsham

Your Order No: 253128-3

Lab Sample Number				580634
Sample Reference				WS6
Sample Number				ES
Water Matrix				N/A
Depth (m)				1.80-2.00
Date Sampled				04/06/2025
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	

Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	17
Total mass of sample received	kg	0.1	NONE	0.5

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.3
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	170
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	82.6
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	2.4
Water Soluble Nitrate (2:1) as NO ₃	mg/kg	2	NONE	< 2.0
Water Soluble Nitrate (2:1) as NO ₃ (leachate equivalent)	mg/l	5	NONE	< 5.0

Heavy Metals / Metalloids

Magnesium (leachate equivalent)	mg/l	2.5	NONE	5.9
Magnesium (water soluble)	mg/kg	5	NONE	12

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 25-031094

Project / Site name: Horsham

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
580629	WS1	ES3	0.80-1.00	Brown clay
580630	WS2	ES3	1.80-2.00	Brown clay
580631	WS3	ES3	1.20-1.50	Brown clay
580632	WS4	ES2	0.70-0.75	Brown clay
580633	WS6	ES2	0.80-1.00	Brown clay
580634	WS6	ES	1.80-2.00	Brown clay

Analytical Report Number : 25-031094

Project / Site name: Horsham

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Magnesium, water soluble, in soil	Determination of water soluble magnesium by extraction with water followed by ICP-OES	In-house method based on TRL 447	L038B	D	NONE
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Water Soluble Nitrate (leachate equivalent)	Determination of nitrate by reaction with sodium salicylate and colorimetry	In-house method based on Examination of Water and Wastewater & Polish Standard Method PN-82/C-04579.08, 2:1 extraction	L078-PL	W	NONE
Nitrate, water soluble, in soil	Determination of nitrate by reaction with sodium salicylate and colorimetry	In-house method based on Examination of Water and Wastewater & Polish Standard Method PN-82/C-04579.08, 2:1 extraction	L078-PL	W	NONE
Chloride, water soluble, in soil	Determination of Chloride colorimetrically by discrete analyser	In-house method	L082B	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution

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Analytical Report Number : 25-032984

Project / Site name:	Horsham	Samples received on:	20/06/2025
Your job number:	253128 4	Samples instructed on/ Analysis started on:	20/06/2025
Your order number:	253128 4	Analysis completed by:	26/06/2025
Report Issue Number:	1	Report issued on:	27/06/2025
Samples Analysed:	3 soil samples		

Signed: [REDACTED]

Adam Fenwick
Customer Relationship Manager
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 25-032984

Project / Site name: Horsham

Your Order No: 253128 4

Lab Sample Number				590886	590887	590888
Sample Reference				BHA	BHB	BHB
Sample Number				ES	ES	ES
Water Matrix				N/A	N/A	N/A
Depth (m)				5.00-6.50	3.70-3.87	10
Date Sampled				19/06/2025	19/06/2025	19/06/2025
Time Taken				1545	1615	1630
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status			

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	4.3	9.2	5
Total mass of sample received	kg	0.1	NONE	0.5	0.5	0.5

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	8.7	9.1	8.9
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	200	30	280
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	98.8	14.8	142
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	8.5	7.2	7.8
Water Soluble Nitrate (2:1) as NO ₃	mg/kg	2	NONE	< 2.0	< 2.0	< 2.0
Water Soluble Nitrate (2:1) as NO ₃ (leachate equivalent)	mg/l	5	NONE	< 5.0	< 5.0	< 5.0

Heavy Metals / Metalloids

Magnesium (leachate equivalent)	mg/l	2.5	NONE	8.1	< 2.5	10
Magnesium (water soluble)	mg/kg	5	NONE	16	< 5.0	20

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 25-032984

Project / Site name: Horsham

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
590886	BHA	ES	5.00-6.50	Brown clay and sand
590887	BHB	ES	3.70-3.87	Brown clay
590888	BHB	ES	10	Brown clay

Analytical Report Number : 25-032984

Project / Site name: Horsham

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Magnesium, water soluble, in soil	Determination of water soluble magnesium by extraction with water followed by ICP-OES	In-house method based on TRL 447	L038B	D	NONE
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Water Soluble Nitrate (leachate equivalent)	Determination of nitrate by reaction with sodium salicylate and colorimetry	In-house method based on Examination of Water and Wastewater & Polish Standard Method PN-82/C-04579.08, 2:1 extraction	L078-PL	W	NONE
Nitrate, water soluble, in soil	Determination of nitrate by reaction with sodium salicylate and colorimetry	In-house method based on Examination of Water and Wastewater & Polish Standard Method PN-82/C-04579.08, 2:1 extraction	L078-PL	W	NONE
Chloride, water soluble, in soil	Determination of Chloride colorimetrically by discrete analyser	In-house method	L082B	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution



Appendix (viii)
Laboratory Test Results – Contamination

Compass Geotechnical Limited
13 Willow Park
Upton Lane
Stoke Golding
Warwickshire
CV13 6EU

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

t: [REDACTED]

t: 01923 225404
f: 01923 237404
e: reception@i2analytical.com

e: [REDACTED]

Analytical Report Number : 25-029939

Project / Site name:	Horsham	Samples received on:	06/06/2025
Your job number:	253128 1	Samples instructed on/ Analysis started on:	06/06/2025
Your order number:	253128 1	Analysis completed by:	19/06/2025
Report Issue Number:	1	Report issued on:	19/06/2025
Samples Analysed:	11 soil samples		

Signed: [REDACTED]

Anna Goc
PL Head of Reporting Team
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :	soils	- 4 weeks from reporting
	leachates	- 2 weeks from reporting
	waters	- 2 weeks from reporting
	asbestos	- 6 months from reporting
	air	- once the analysis is complete

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 25-029939
Project / Site name: Horsham
Your Order No: 253128 1

Lab Sample Number	574202	574203	574204	574205	574206
Sample Reference	WS1	WS1	WS2	WS2	WS3
Sample Number	ES1	ES2	ES1	ES2	ES1
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.13-0.17	0.65-0.70	0.15-0.60	0.60-0.70	0.20-0.40
Date Sampled	04/06/2025	04/06/2025	04/06/2025	04/06/2025	04/06/2025
Time Taken	1200	1205	1240	1245	1300
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	-	< 0.1	55.1	< 0.1	-
Moisture Content	%	0.01	NONE	-	15	16	12	-
Total mass of sample received	kg	0.1	NONE	-	0.7	2	0.8	-

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Detected	-	Not-detected	-	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	PDO	-	PDO	-	PDO
Analysis completed	N/A	N/A	N/A	19/06/2025	-	19/06/2025	-	19/06/2025
Actinolite detected	Type	N/A	ISO 17025	Not-detected	-	-	-	-
Amosite detected	Type	N/A	ISO 17025	Detected	-	-	-	-
Anthophyllite detected	Type	N/A	ISO 17025	Not-detected	-	-	-	-
Chrysotile detected	Type	N/A	ISO 17025	Detected	-	-	-	-
Crocidolite detected	Type	N/A	ISO 17025	Not-detected	-	-	-	-
Tremolite detected	Type	N/A	ISO 17025	Not-detected	-	-	-	-

Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	Loose Fibres, Asbestos Cement	-	-	-	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	-	7.7	8.8	8	-
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	-
Acenaphthene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	-
Fluorene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	-
Phenanthrene	mg/kg	0.05	MCERTS	-	0.29	-	< 0.05	-
Anthracene	mg/kg	0.05	MCERTS	-	0.07	-	< 0.05	-
Fluoranthene	mg/kg	0.05	MCERTS	-	0.69	-	< 0.05	-
Pyrene	mg/kg	0.05	MCERTS	-	0.58	-	< 0.05	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	0.32	-	< 0.05	-
Chrysene	mg/kg	0.05	MCERTS	-	0.33	-	< 0.05	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	-	0.34	-	< 0.05	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	-	0.16	-	< 0.05	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	0.29	-	< 0.05	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	0.14	-	< 0.05	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	0.14	-	< 0.05	-

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	-	3.35	-	< 0.80	-
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Analytical Report Number: 25-029939
Project / Site name: Horsham
Your Order No: 253128 1

Lab Sample Number	574202	574203	574204	574205	574206
Sample Reference	WS1	WS1	WS2	WS2	WS3
Sample Number	ES1	ES2	ES1	ES2	ES1
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.13-0.17	0.65-0.70	0.15-0.60	0.60-0.70	0.20-0.40
Date Sampled	04/06/2025	04/06/2025	04/06/2025	04/06/2025	04/06/2025
Time Taken	1200	1205	1240	1245	1300
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Heavy Metals / Metalloids

Antimony (aqua regia extractable)	mg/kg	1	ISO 17025	-	-	3.3	-	-
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	11	19	6.2	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	-	1.9	-	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-	0.2	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	< 1.8	< 1.8	< 1.8	-
Chromium (III)	mg/kg	1	NONE	-	-	25	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	23	25	20	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	22	22	13	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	24	16	12	-
Manganese (aqua regia extractable)	mg/kg	1	MCERTS	-	-	430	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	-
Molybdenum (aqua regia extractable)	mg/kg	0.25	MCERTS	-	-	2	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	17	23	16	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	52	29	49	-

Petroleum Hydrocarbons

TPH (>EC8 - EC10) _{HS_ID_TOTAL}	mg/kg	0.02	MCERTS	-	< 0.02	< 0.02	< 0.02	-
TPH (>EC10 - EC12) _{EH_CU_ID_TOTAL}	mg/kg	2	MCERTS	-	< 2.0	< 2.0	< 2.0	-
TPH (>EC12 - EC16) _{EH_CU_ID_TOTAL}	mg/kg	4	MCERTS	-	< 4.0	< 4.0	< 4.0	-
TPH (>EC16 - EC21) _{EH_CU_ID_TOTAL}	mg/kg	10	MCERTS	-	< 10	< 10	< 10	-
TPH (>EC21 - EC35) _{EH_CU_ID_TOTAL}	mg/kg	10	MCERTS	-	< 10	< 10	< 10	-
TPH (>EC35 - EC40) _{EH_CU_ID_TOTAL}	mg/kg	10	MCERTS	-	< 10	< 10	< 10	-
TPH Total >EC8 - EC40 _{EH_CU+HS_ID_TOTAL}	mg/kg	10	NONE	-	< 10	< 10	< 10	-
TPH (EC10 - EC40) _{EH_CU_ID_TOTAL}	mg/kg	10	MCERTS	-	< 10	< 10	< 10	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-029939
Project / Site name: Horsham
Your Order No: 253128 1

Lab Sample Number	574207	574208	574209	574210	574211
Sample Reference	WS3	WS3	WS4	WS5	WS5
Sample Number	ES2	ES3	ES1	ES1	ES2
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.45-0.90	0.95-1.00	0.60-0.70	0.40-0.80	0.80-0.90
Date Sampled	04/06/2025	04/06/2025	04/06/2025	04/06/2025	04/06/2025
Time Taken	1305	1310	1230	1420	1425
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	14	17	14	13	11
Total mass of sample received	kg	0.1	NONE	2	0.8	0.8	2	0.8

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	-	-	Not-detected	-
Asbestos Analyst ID	N/A	N/A	N/A	PDO	-	-	PDO	-
Analysis completed	N/A	N/A	N/A	19/06/2025	-	-	19/06/2025	-
Actinolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Amosite detected	Type	N/A	ISO 17025	-	-	-	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Tremolite detected	Type	N/A	ISO 17025	-	-	-	-	-

Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	-	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	8.6	7.4	8.3	6.6	6.9
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	-	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	-	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	-	< 0.05
Fluorene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	-	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	-	0.11	< 0.05	-	< 0.05
Anthracene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	-	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	-	0.26	< 0.05	-	< 0.05
Pyrene	mg/kg	0.05	MCERTS	-	0.23	< 0.05	-	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	0.13	< 0.05	-	< 0.05
Chrysene	mg/kg	0.05	MCERTS	-	0.18	< 0.05	-	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	-	0.24	< 0.05	-	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	-	0.12	< 0.05	-	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	0.2	< 0.05	-	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	0.09	< 0.05	-	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	-	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	0.11	< 0.05	-	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	-	1.66	< 0.80	-	< 0.80
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Analytical Report Number: 25-029939
Project / Site name: Horsham
Your Order No: 253128 1

Lab Sample Number	574207	574208	574209	574210	574211
Sample Reference	WS3	WS3	WS4	WS5	WS5
Sample Number	ES2	ES3	ES1	ES1	ES2
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.45-0.90	0.95-1.00	0.60-0.70	0.40-0.80	0.80-0.90
Date Sampled	04/06/2025	04/06/2025	04/06/2025	04/06/2025	04/06/2025
Time Taken	1305	1310	1230	1420	1425
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Heavy Metals / Metalloids

Antimony (aqua regia extractable)	mg/kg	1	ISO 17025	2.3	-	-	1.9	-
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	8.5	8.2	7.3	7	6.9
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.82	-	-	0.49	-
Boron (water soluble)	mg/kg	0.2	MCERTS	0.3	-	-	0.3	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (III)	mg/kg	1	NONE	25	-	-	21	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	25	19	22	21	22
Copper (aqua regia extractable)	mg/kg	1	MCERTS	13	11	15	13	14
Lead (aqua regia extractable)	mg/kg	1	MCERTS	16	33	13	13	12
Manganese (aqua regia extractable)	mg/kg	1	MCERTS	350	-	-	26	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Molybdenum (aqua regia extractable)	mg/kg	0.25	MCERTS	0.5	-	-	0.42	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	17	12	24	12	16
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	59	45	57	35	53

Petroleum Hydrocarbons

TPH (>EC8 - EC10) _{HS_ID_TOTAL}	mg/kg	0.02	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
TPH (>EC10 - EC12) _{EH_CU_ID_TOTAL}	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH (>EC12 - EC16) _{EH_CU_ID_TOTAL}	mg/kg	4	MCERTS	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
TPH (>EC16 - EC21) _{EH_CU_ID_TOTAL}	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH (>EC21 - EC35) _{EH_CU_ID_TOTAL}	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH (>EC35 - EC40) _{EH_CU_ID_TOTAL}	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH Total >EC8 - EC40 _{EH_CU+HS_ID_TOTAL}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH (EC10 - EC40) _{EH_CU_ID_TOTAL}	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-029939
Project / Site name: Horsham
Your Order No: 253128 1

Lab Sample Number				574212
Sample Reference				WS6
Sample Number				ES1
Water Matrix				N/A
Depth (m)				0.50-0.60
Date Sampled				04/06/2025
Time Taken				1500
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	

Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	16
Total mass of sample received	kg	0.1	NONE	0.8

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-
Asbestos Analyst ID	N/A	N/A	N/A	-
Analysis completed	N/A	N/A	N/A	-
Actinolite detected	Type	N/A	ISO 17025	-
Amosite detected	Type	N/A	ISO 17025	-
Anthophyllite detected	Type	N/A	ISO 17025	-
Chrysotile detected	Type	N/A	ISO 17025	-
Crocidolite detected	Type	N/A	ISO 17025	-
Tremolite detected	Type	N/A	ISO 17025	-

Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.5
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.25
Anthracene	mg/kg	0.05	MCERTS	0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.73
Pyrene	mg/kg	0.05	MCERTS	0.68
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.36
Chrysene	mg/kg	0.05	MCERTS	0.53
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.62
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.3
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.55
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.27
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.07
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.35

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	4.82
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Analytical Report Number: 25-029939
Project / Site name: Horsham
Your Order No: 253128 1

Lab Sample Number				574212
Sample Reference				WS6
Sample Number				ES1
Water Matrix				N/A
Depth (m)				0.50-0.60
Date Sampled				04/06/2025
Time Taken				1500
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	

Heavy Metals / Metalloids

Antimony (aqua regia extractable)	mg/kg	1	ISO 17025	-
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	12
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8
Chromium (III)	mg/kg	1	NONE	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	19
Copper (aqua regia extractable)	mg/kg	1	MCERTS	21
Lead (aqua regia extractable)	mg/kg	1	MCERTS	68
Manganese (aqua regia extractable)	mg/kg	1	MCERTS	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3
Molybdenum (aqua regia extractable)	mg/kg	0.25	MCERTS	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	15
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	58

Petroleum Hydrocarbons

TPH (>EC8 - EC10) _{HS_ID_TOTAL}	mg/kg	0.02	MCERTS	< 0.02
TPH (>EC10 - EC12) _{EH_CU_ID_TOTAL}	mg/kg	2	MCERTS	< 2.0
TPH (>EC12 - EC16) _{EH_CU_ID_TOTAL}	mg/kg	4	MCERTS	4.9
TPH (>EC16 - EC21) _{EH_CU_ID_TOTAL}	mg/kg	10	MCERTS	< 10
TPH (>EC21 - EC35) _{EH_CU_ID_TOTAL}	mg/kg	10	MCERTS	19
TPH (>EC35 - EC40) _{EH_CU_ID_TOTAL}	mg/kg	10	MCERTS	< 10
TPH Total >EC8 - EC40 _{EH_CU+HS_ID_TOTAL}	mg/kg	10	NONE	36
TPH (EC10 - EC40) _{EH_CU_ID_TOTAL}	mg/kg	10	MCERTS	36

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 25-029939

Project / Site name: Horsham

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
574203	WS1	ES2	0.65-0.70	Brown clay with gravel
574204	WS2	ES1	0.15-0.60	Brown clay and sand with brick
574205	WS2	ES2	0.60-0.70	Brown clay and sand with gravel
574207	WS3	ES2	0.45-0.90	Brown clay and sand with gravel
574208	WS3	ES3	0.95-1.00	Brown clay with gravel
574209	WS4	ES1	0.60-0.70	Brown clay and sand with gravel
574210	WS5	ES1	0.40-0.80	Brown clay and sand with gravel
574211	WS5	ES2	0.80-0.90	Brown clay and sand with gravel
574212	WS6	ES1	0.50-0.60	Brown clay and sand with gravel

Analytical Report Number : 25-029939

Project / Site name: Horsham

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS	In-house method	L076B/L088-PL	D/W	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphénylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Chromium III in soil	In-house method by calculation from total Cr and Cr VI	In-house method by calculation	L080-PL/L130B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution

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Analytical Report Number : 25-032988

Project / Site name:	Horsham	Samples received on:	20/06/2025
Your job number:	253128 5	Samples instructed on/ Analysis started on:	20/06/2025
Your order number:	253128 5	Analysis completed by:	04/07/2025
Report Issue Number:	1	Report issued on:	04/07/2025
Samples Analysed:	1 soil sample		

Signed: [REDACTED]

Anna Goc
PL Head of Reporting Team
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

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Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 25-032988
Project / Site name: Horsham
Your Order No: 253128 5

Lab Sample Number				590898
Sample Reference				BHA
Sample Number				ES
Water Matrix				N/A
Depth (m)				0.30-0.40
Date Sampled				19/06/2025
Time Taken				1530
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	

Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	15
Total mass of sample received	kg	0.1	NONE	0.6

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	< 2.0
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	< 10

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	< 0.010
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	< 0.010
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	< 0.020
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	< 1.0
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	< 2.0
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10

VOCs

MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0
p & m-Xylene	µg/kg	8	MCERTS	< 8.0
o-Xylene	µg/kg	5	MCERTS	< 5.0

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 25-032988

Project / Site name: Horsham

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
590898	BHA	ES	0.30-0.40	Brown clay and sand

Analytical Report Number : 25-032988

Project / Site name: Horsham

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic	In-house method	L076B/L088-PL	D/W	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution

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Analytical Report Number : 25-032984

Project / Site name:	Horsham	Samples received on:	20/06/2025
Your job number:	253128 4	Samples instructed on/ Analysis started on:	20/06/2025
Your order number:	253128 4	Analysis completed by:	26/06/2025
Report Issue Number:	1	Report issued on:	27/06/2025
Samples Analysed:	3 soil samples		

Signed: [REDACTED]

Adam Fenwick
Customer Relationship Manager
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

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Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 25-032984

Project / Site name: Horsham

Your Order No: 253128 4

Lab Sample Number				590886	590887	590888
Sample Reference				BHA	BHB	BHB
Sample Number				ES	ES	ES
Water Matrix				N/A	N/A	N/A
Depth (m)				5.00-6.50	3.70-3.87	10
Date Sampled				19/06/2025	19/06/2025	19/06/2025
Time Taken				1545	1615	1630
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status			

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	4.3	9.2	5
Total mass of sample received	kg	0.1	NONE	0.5	0.5	0.5

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	8.7	9.1	8.9
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	200	30	280
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	98.8	14.8	142
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	8.5	7.2	7.8
Water Soluble Nitrate (2:1) as NO ₃	mg/kg	2	NONE	< 2.0	< 2.0	< 2.0
Water Soluble Nitrate (2:1) as NO ₃ (leachate equivalent)	mg/l	5	NONE	< 5.0	< 5.0	< 5.0

Heavy Metals / Metalloids

Magnesium (leachate equivalent)	mg/l	2.5	NONE	8.1	< 2.5	10
Magnesium (water soluble)	mg/kg	5	NONE	16	< 5.0	20

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 25-032984

Project / Site name: Horsham

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
590886	BHA	ES	5.00-6.50	Brown clay and sand
590887	BHB	ES	3.70-3.87	Brown clay
590888	BHB	ES	10	Brown clay

Analytical Report Number : 25-032984

Project / Site name: Horsham

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Magnesium, water soluble, in soil	Determination of water soluble magnesium by extraction with water followed by ICP-OES	In-house method based on TRL 447	L038B	D	NONE
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Water Soluble Nitrate (leachate equivalent)	Determination of nitrate by reaction with sodium salicylate and colorimetry	In-house method based on Examination of Water and Wastewater & Polish Standard Method PN-82/C-04579.08, 2:1 extraction	L078-PL	W	NONE
Nitrate, water soluble, in soil	Determination of nitrate by reaction with sodium salicylate and colorimetry	In-house method based on Examination of Water and Wastewater & Polish Standard Method PN-82/C-04579.08, 2:1 extraction	L078-PL	W	NONE
Chloride, water soluble, in soil	Determination of Chloride colorimetrically by discrete analyser	In-house method	L082B	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution



Appendix (ix)
Laboratory Test Results – WAC Tests

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Analytical Report Number : 25-029947

Replaces Analytical Report Number: 25-029947, issue no. 3
Result correction by laboratory.
Reporting error corrected by laboratory

Project / Site name:	Horsham	Samples received on:	06/06/2025
Your job number:	253128 1	Samples instructed on/ Analysis started on:	06/06/2025
Your order number:	253128 1	Analysis completed by:	19/06/2025
Report Issue Number:	4	Report issued on:	20/06/2025
Samples Analysed:	3 soil samples - 3 2stage samples		

Signed:

Claire Bancroft
Customer Service and Accounts Support
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

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Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 25-029947

Project / Site name: Horsham

Your Order No: 253128 1

Lab Sample Number				574287	574288	574289
Sample Reference				WS2	WS3	WS5
Sample Number				ES1	ES2	ES1
Water Matrix				N/A	N/A	N/A
Depth (m)				0.15-0.60	0.45-0.90	0.40-0.80
Date Sampled				04/06/2025	04/06/2025	04/06/2025
Time Taken				1240	1305	1420
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status

Stone Content	%	0.1	NONE	55.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	16	14	13
Total mass of sample received	kg	0.1	NONE	2	2	2

General Inorganics

pH (L005B)	pH Units	N/A	MCERTS	8.3	9.3	7.7
Total Organic Carbon (TOC) – Manual	%	0.1	MCERTS	0.2	0.1	< 0.1
Loss on Ignition @ 450°C	%	0.2	MCERTS	1.9	2.1	1.7
Acid Neutralisation Capacity	mmol/kg	-9999	NONE	5.4	24	1.4

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.11	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.47	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	0.41	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.27	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.36	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.52	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.18	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.33	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.24	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.08	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.28	< 0.05	< 0.05
Coronene	mg/kg	0.05	NONE	0.08	< 0.05	< 0.05

Total PAH

Total WAC-17 PAHs	mg/kg	0.85	NONE	3.33	< 0.85	< 0.85
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Petroleum Hydrocarbons

Mineral Oil (EC10 - EC40) EH_CU_1D_AL	mg/kg	10	NONE	< 10	< 10	< 10
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VOCs

Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0

Total BTEX	µg/kg	10	MCERTS	< 10	< 10	< 10
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Analytical Report Number: 25-029947

Project / Site name: Horsham

Your Order No: 253128 1

Lab Sample Number				574287	574288	574289
Sample Reference				WS2	WS3	WS5
Sample Number				ES1	ES2	ES1
Water Matrix				N/A	N/A	N/A
Depth (m)				0.15-0.60	0.45-0.90	0.40-0.80
Date Sampled				04/06/2025	04/06/2025	04/06/2025
Time Taken				1240	1305	1420
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status			

PCBs by GC-MS

PCB Congener 28	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
PCB Congener 52	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
PCB Congener 101	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
PCB Congener 118	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
PCB Congener 138	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
PCB Congener 153	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
PCB Congener 180	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
Total PCBs	mg/kg	0.007	MCERTS	< 0.007	< 0.007	< 0.007

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



4041



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Waste Acceptance Criteria Analytical Results

Report No:	25-029947						
Location	Horsham						
Lab Reference (Sample Number)	574287						
Sampling Date	04/06/2025						
Sample ID	WS2 ES1						
Depth (m)	0.15-0.60						
Solid Waste Analysis							
TOC (%)**	0.2				3%	5%	6%
Loss on Ignition (%) **	1.9				--	--	10%
BTEX (µg/kg)**	< 10				6000	--	--
Sum of PCBs (mg/kg)**	< 0.007				1	--	--
Mineral Oil (mg/kg) EH_ID_CU_AL	< 10				500	--	--
Total PAH (WAC-17) (mg/kg)	3.33				100	--	--
pH (units)**	8.3				--	>6	--
Acid Neutralisation Capacity (mmol / kg)	5.4				--	To be evaluated	To be evaluated
Eluate Analysis	2:1	8:1		Cumulative 10:1	Limit values for compliance leaching test		
(BS EN 12457 - 3 preparation utilising end over end leaching procedure)	mg/l	mg/l		mg/kg	using BS EN 12457-3 at L/S 10 l/kg (mg/kg)		
Arsenic *	< 0.0020	0.0057		0.051	0.5	2	25
Barium *	0.013	0.018		0.17	20	100	300
Cadmium *	< 0.00010	< 0.00010		< 0.0010	0.04	1	5
Chromium *	0.0009	0.0045		0.041	0.5	10	70
Copper *	0.0047	0.0054		0.053	2	50	100
Mercury *	< 0.00070	< 0.0007		< 0.0070	0.01	0.2	2
Molybdenum *	0.0065	< 0.0014		0.02	0.5	10	30
Nickel *	0.0011	0.0051		0.046	0.4	10	40
Lead *	< 0.0017	< 0.0017		< 0.017	0.5	10	50
Antimony *	< 0.0020	< 0.0020		< 0.020	0.06	0.7	5
Selenium *	< 0.0050	< 0.0050		< 0.050	0.1	0.5	7
Zinc *	0.00092	0.0053		0.047	4	50	200
Chloride *	< 4.0	< 4.0		< 15	800	15000	25000
Fluoride*	0.56	0.24		2.8	10	150	500
Sulphate *	9.8	2.8		37	1000	20000	50000
TDS*	65	35		390	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.16	< 0.13		< 0.50	1	-	-
DOC	5.87	7.3		70.8	500	800	1000
Leach Test Information							
Stone Content (%)	55.1						
Sample Mass (kg)	2						
Dry Matter (%)	84						
Moisture (%)	16						
Stage 1							
Volume Eluate L2 (litres)	0.316						
Filtered Eluate VE1 (litres)	0.22						
Results are expressed on a dry weight basis, after correction for moisture content where applicable.				* = UKAS accredited (liquid eluate analysis only)			
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation				** = MCERTS accredited			

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3. This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.

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Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement uncertainty can be provided on request.



4041



Environmental Science

i2 Analytical

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Watford, WD18 8YS

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email:reception@i2analytical.com

Waste Acceptance Criteria Analytical Results

Report No:	25-029947						
Location	Horsham						
Lab Reference (Sample Number)	574288						
Sampling Date	04/06/2025						
Sample ID	WS3 ES2						
Depth (m)	0.45-0.90						
Solid Waste Analysis							
TOC (%)**	0.1				3%	5%	6%
Loss on Ignition (%) **	2.1				--	--	10%
BTEX (µg/kg)**	< 10				6000	--	--
Sum of PCBs (mg/kg)**	< 0.007				1	--	--
Mineral Oil (mg/kg) EH_ID_CU_AL	< 10				500	--	--
Total PAH (WAC-17) (mg/kg)	< 0.85				100	--	--
pH (units)**	9.3				--	>6	--
Acid Neutralisation Capacity (mmol / kg)	24				--	To be evaluated	To be evaluated
Eluate Analysis	2:1	8:1		Cumulative 10:1	Limit values for compliance leaching test		
(BS EN 12457 - 3 preparation utilising end over end leaching procedure)	mg/l	mg/l		mg/kg	using BS EN 12457-3 at L/S 10 l/kg (mg/kg)		
Arsenic *	< 0.0020	< 0.0020		< 0.020	0.5	2	25
Barium *	0.0048	0.011		0.1	20	100	300
Cadmium *	< 0.00010	0.00015		0.0013	0.04	1	5
Chromium *	0.0038	0.0044		0.043	0.5	10	70
Copper *	0.027	0.005		0.075	2	50	100
Mercury *	< 0.00070	< 0.0007		< 0.0070	0.01	0.2	2
Molybdenum *	< 0.0014	< 0.0014		< 0.014	0.5	10	30
Nickel *	0.0032	0.0031		0.031	0.4	10	40
Lead *	< 0.0017	< 0.0017		< 0.017	0.5	10	50
Antimony *	< 0.0020	< 0.0020		< 0.020	0.06	0.7	5
Selenium *	< 0.0050	< 0.0050		< 0.050	0.1	0.5	7
Zinc *	0.0092	0.012		0.12	4	50	200
Chloride *	20	< 4.0		49	800	15000	25000
Fluoride*	0.57	0.37		4	10	150	500
Sulphate *	3.8	1		13	1000	20000	50000
TDS*	73	19		260	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.16	< 0.13		< 0.50	1	-	-
DOC	26.1	11		129	500	800	1000
Leach Test Information							
Stone Content (%)	< 0.1						
Sample Mass (kg)	2						
Dry Matter (%)	86						
Moisture (%)	14						
Stage 1							
Volume Eluate L2 (litres)	0.321						
Filtered Eluate VE1 (litres)	0.2						
Results are expressed on a dry weight basis, after correction for moisture content where applicable.				* = UKAS accredited (liquid eluate analysis only)			
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation				** = MCERTS accredited			

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3. This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.

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Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement uncertainty can be provided on request.



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Waste Acceptance Criteria Analytical Results

Report No:	25-029947						
Location	Horsham						
Lab Reference (Sample Number)	574289						
Sampling Date	04/06/2025						
Sample ID	WS5 ES1						
Depth (m)	0.40-0.80						
Solid Waste Analysis							
TOC (%)**	< 0.1				3%	5%	6%
Loss on Ignition (%) **	1.7				--	--	10%
BTEX (µg/kg)**	< 10				6000	--	--
Sum of PCBs (mg/kg)**	< 0.007				1	--	--
Mineral Oil (mg/kg) EH, ID, CU, AL	< 10				500	--	--
Total PAH (WAC-17) (mg/kg)	< 0.85				100	--	--
pH (units)**	7.7				--	>6	--
Acid Neutralisation Capacity (mmol / kg)	1.4				--	To be evaluated	To be evaluated
Eluate Analysis	2:1	8:1		Cumulative 10:1	Limit values for compliance leaching test		
(BS EN 12457 - 3 preparation utilising end over end leaching procedure)	mg/l	mg/l		mg/kg	using BS EN 12457-3 at L/S 10 l/kg (mg/kg)		
Arsenic *	< 0.0020	< 0.0020		< 0.020	0.5	2	25
Barium *	0.016	0.014		0.14	20	100	300
Cadmium *	< 0.00010	< 0.00010		< 0.0010	0.04	1	5
Chromium *	0.0047	0.0037		0.038	0.5	10	70
Copper *	0.0078	0.017		0.16	2	50	100
Mercury *	< 0.00070	< 0.0007		< 0.0070	0.01	0.2	2
Molybdenum *	< 0.0014	< 0.0014		< 0.014	0.5	10	30
Nickel *	0.0031	0.0031		0.031	0.4	10	40
Lead *	< 0.0017	< 0.0017		< 0.017	0.5	10	50
Antimony *	< 0.0020	< 0.0020		< 0.020	0.06	0.7	5
Selenium *	< 0.0050	< 0.0050		< 0.050	0.1	0.5	7
Zinc *	0.011	0.0075		0.079	4	50	200
Chloride *	14	< 4.0		38	800	15000	25000
Fluoride*	0.067	0.099		0.95	10	150	500
Sulphate *	18	4.6		61	1000	20000	50000
TDS*	57	14		190	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.16	< 0.13		< 0.50	1	-	-
DOC	10.7	7.6		79.5	500	800	1000
Leach Test Information							
Stone Content (%)	< 0.1						
Sample Mass (kg)	2						
Dry Matter (%)	87						
Moisture (%)	13						
Stage 1							
Volume Eluate L2 (litres)	0.321						
Filtered Eluate VE1 (litres)	0.2						
Results are expressed on a dry weight basis, after correction for moisture content where applicable.				* = UKAS accredited (liquid eluate analysis only)			
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation				** = MCERTS accredited			

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3. This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Where colour coding is used on this report, this is for guidance purposes only. This does not constitute a statement of conformity of pass or fail.
Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement uncertainty can be provided on request.

Analytical Report Number : 25-029947

Project / Site name: Horsham

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
574287	WS2	ES1	0.15-0.60	Brown clay and sand with brick
574288	WS3	ES2	0.45-0.90	Brown clay and sand with gravel
574289	WS5	ES1	0.40-0.80	Brown clay and sand with gravel

Analytical Report Number : 25-029947

Project / Site name: Horsham

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
pH at 20°C in soil	Determination of pH in soil by addition of water followed by electrometric measurement	In-house method	L005B	W	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Total organic carbon in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L023B	D	MCERTS
PCB's By GC-MS in soil	Determination of PCB by extraction with hexane followed by GC-MS	In-house method based on USEPA 8082	L027B	D	MCERTS
TDS in WAC leachate (BS EN 12457-3 Prep)	Determination of total dissolved solids in leachate by electrometric measurement	In-house method based on Standard Methods for the Examination of Water and Waste Water, 21st Ed.	L031B	W	ISO 17025
Fluoride in WAC leachate (BS EN 12457-3 Prep)	Determination of fluoride in leachate by 1:1 ratio with a buffer solution followed by Ion Selective Electrode	In-house method based on Standard Methods for the Examination of Water and Waste Water, 21st Ed.	L033B	W	ISO 17025
DOC in WAC leachate (BS EN 12457-3 Prep)	Determination of dissolved organic carbon in leachate by TOC/DOC NDIR analyser	In-house method based on Standard Methods for the Examination of Water and Waste Water, 21st Ed.	L037B	W	NONE
Metals in WAC leachate (BS EN 12457-3 Prep)	Determination of metals in leachate by acidification followed by ICP-OES	In-house method based on Standard Methods for the Examination of Water and Waste Water, 21st Ed	L039B	W	ISO 17025
Sulphate in WAC leachate (BS EN 12457-3 Prep)	Determination of sulphate in leachate by acidification followed by ICP-OES	In-house method based on Standard Methods for the Examination of Water and Waste Water, 21st Ed	L039B	W	ISO 17025
Two stage WAC leachate preparation	Two stage batch test at a liquid to solid ratio of 2 L/kg and 8 L/kg	BS EN 12457-3-2002	L043B	W	ISO 17025
Acid neutralisation capacity of soil	Determination of acid neutralisation capacity by addition of acid or alkali followed by electronic probe	In-house method based on Guidance on Sampling and Testing of Wastes to Meet Landfill Waste Acceptance	L046B	W	NONE
Loss on ignition of soil @ 450°C	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	In-house method	L047-PL	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS	In-house method	L076B/L088-PL	D/W	NONE

Analytical Report Number : 25-029947

Project / Site name: Horsham

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Phenol Index in WAC leachate (BS EN 12457-3 Prep)	Determination of monohydric phenols in leachate by continuous flow analyser	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Chloride in WAC leachate (BS EN 12457-3 Prep)	Determination of Chloride colorimetrically by discrete analyser	In-house based on MEWAM Method ISBN 0117516260	L082B	W	ISO 17025
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#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 e.g. EH+HS_Total or EH_CU+HS_Total

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution



Appendix (x)
ULS and SLS Calculations



Calculation of Preliminary Bearing Pressure - Strip Foundation on Clays

$$R/A = (\pi + 2)Cu + q$$

For undrained conditions using

Input Parameters

Term	Symbol	Value	Units
Width of rising wall	d	0.3	m
Height of concrete foundation	h	0.3	m
Depth below ground level	D	1	m
Breadth of foundation	B	0.6	m
density of soil	$\gamma_{s,k}$	20	kN/m ³
density of concrete	$\gamma_{c,k}$	24	kN/m ³
density of brick and infill	$\gamma_{b,k}$	22	kN/m ³
Undrained shear strength	Cu	85	kPa

Assumed imposed vertical load		80	kN/mrun
-------------------------------	--	----	---------

Permanent characteristic vertical load

Weight of rising wall		4.62	kN/mrun
Weight of foundation		4.32	kN/mrun
Weight of backfill		4.2	kN/mrun

Total characteristic vertical load	V_k	93.14	kN/mrun
------------------------------------	-------	-------	---------

Design Approach 1

Undrained Conditions simplified for the case of a vertical load action at the centre of strip

Area of footing	A	0.6	m ² /mrun
-----------------	---	-----	----------------------

Combination 1 (A1, M1, R1)

Design Load (A1)	V_{d1}	125.74	kN/mrun
Design Strength (M1)	C_{ud1}	85	kPa
Soil Surcharge adj to footing	q_{d1}	20	kPa

Design Bearing Resistance (R1)	R_{d1}	274.24	kPa
--------------------------------	----------	--------	-----

Check if $V_{d1} \leq R_{d1}$	acceptable for Design Approach 1 Combination 1
-------------------------------	--



Term	Symbol	Value	Units
Combination 2 (A2, M2, R1)			
Design Load (A2)	V _{d2}	93.14	kN/mrun
Design Strength (M2)	C _{ud2}	60.7	kPa
Soil surcharge adj to footing	q _{d2}	20	kPa
Design Bearing Resistance (R1)	R _{d2}	199.3	kPa
Check if V _{d2} ≤ R _{d2}	acceptable for Design Approach 1 Combination 2		
Critical Combination Check			
Combination 1	R _{d1} /V _{d1}	2.181	
Combination 2	R _{d2} /V _{d2}	2.14	Combination 2 is more critical
Settlements (SLS Limit State)			
Limit to settlements by V _k = R _k /3	using unfactored values		
Vertical Load	V _k	93.14	kN/mrun
Bearing Resistance	R _k	274.24	kN/mrun
	R _k /V _k	2.9444	Less than 3 consider increasing foundation size or reducing load
To give V _k for R _k /3	V _k	91.414	kN/mrun
Preliminary design bearing resistance		152.36	kPa
Imposed wall loading		78.274	kN/mrun



Appendix (xi)
Haz Waste Classification

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)



9ELXB-6PSGN-3KOQG

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

253128B

Description/Comments

Project

253128

Site

Old Fire Station, Horsham

Classified by

Name: Rachel Foord
Date: 11 Sep 2025 10:51 GMT
Telephone: 01255 830034 (Essex)
Company: Compass Geotechnical Limited
13 Willow Park
Upton Lane
Stoke Golding
CV13 6EU

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

16 Mar 2017
05 Dec 2023

Next 3 year Refresher due by Dec 2026

Purpose of classification

7 - Disposal of Waste

Address of the waste

Hurst Road, Horsham

Post Code RH12 2DN

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 former fire station.

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

Waste created during excavation of soils for foundations and services.

Description of the waste

Made ground and natural soils

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS1-ES2-04062025-0.65	0.65-0.70	Non Hazardous		3
2	WS2-ES1-04062025-0.15	0.15-0.60	Non Hazardous		5
3	WS2-ES2-04062025-0.60	0.60-0.70	Non Hazardous		7
4	WS3-ES2-04062025-0.45	0.45-0.90	Non Hazardous		9
5	WS3-ES3-04062025-0.95	0.95-1.00	Non Hazardous		11
6	WS4-ES1-04062025-0.60	0.60-0.70	Non Hazardous		13
7	WS5-ES1-04062025-0.40	0.40-0.80	Non Hazardous		15
8	WS5-ES2-04062025-0.80	0.80-0.90	Non Hazardous		17
9	WS6-ES1-04062025-0.50	0.50-0.60	Non Hazardous		19

Related documents

#	Name	Description
1	25-029939_HWOL.hwol	i2 Analytical .hwol file used to populate the Job
2	WM3 1st Edition v1.2GB October 2021 Waste Stream Template	waste stream template used to create this Job

Report

Created by: Rachel Foord

Created date: 11 Sep 2025 10:51 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	21
Appendix B: Rationale for selection of metal species	22
Appendix C: Version	23

Classification of sample: **WS1-ES2-04062025-0.65**

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

Sample details

Sample name:	LoW Code:
WS1-ES2-04062025-0.65	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.65-0.70 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
15%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 15% 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		7.7	pH		7.7	pH	7.7 pH		
2	• arsenic { arsenic trioxide }				11	mg/kg	1.32	12.345	mg/kg	0.00123 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
3	• cadmium { cadmium oxide }				<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
4	• copper { dicopper oxide; copper (I) oxide }				22	mg/kg	1.126	21.054	mg/kg	0.00211 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
5	• mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
6	• nickel { nickel chromate }				17	mg/kg	2.976	43.007	mg/kg	0.0043 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
7	• lead { lead chromate }			1	24	mg/kg	1.56	31.82	mg/kg	0.00204 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
8	• selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
9	• zinc { zinc chromate }				52	mg/kg	2.774	122.617	mg/kg	0.0123 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
10	• chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				23	mg/kg	1.462	28.573	mg/kg	0.00286 %	✓	
		215-160-9	1308-38-9									
11	• chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8											
12	naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
13	• acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8									
14	• acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9									
15	• fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<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							
16	phenanthrene	201-581-5	85-01-8		0.29 mg/kg		0.247 mg/kg	0.0000246 %	✓	
17	anthracene	204-371-1	120-12-7		0.07 mg/kg		0.0595 mg/kg	0.00000595 %	✓	
18	fluoranthene	205-912-4	206-44-0		0.69 mg/kg		0.587 mg/kg	0.0000587 %	✓	
19	pyrene	204-927-3	129-00-0		0.58 mg/kg		0.493 mg/kg	0.0000493 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		0.32 mg/kg		0.272 mg/kg	0.0000272 %	✓	
21	chrysene	601-048-00-0	205-923-4		0.33 mg/kg		0.281 mg/kg	0.0000281 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.34 mg/kg		0.289 mg/kg	0.0000289 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.16 mg/kg		0.136 mg/kg	0.0000136 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.29 mg/kg		0.247 mg/kg	0.0000246 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.14 mg/kg		0.119 mg/kg	0.0000119 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	benzo[ghi]perylene	205-883-8	191-24-2		0.14 mg/kg		0.119 mg/kg	0.0000119 %	✓	
Total:								0.0251 %		

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: **WS2-ES1-04062025-0.15**

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

Sample details

Sample name:	LoW Code:	
WS2-ES1-04062025-0.15	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)
0.15-0.60 m		
Moisture content:		
16%		
(wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 16% 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				8.8	pH		8.8	pH	8.8 pH		
2	• boron { diboron trioxide }				0.2	mg/kg	3.22	0.541	mg/kg	0.0000541 %	✓	
	005-008-00-8	215-125-8	1303-86-2									
3	• arsenic { arsenic trioxide }				19	mg/kg	1.32	21.072	mg/kg	0.00211 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
4	• beryllium { beryllium oxide }				1.9	mg/kg	2.775	4.429	mg/kg	0.000443 %	✓	
	004-003-00-8	215-133-1	1304-56-9									
5	• cadmium { cadmium oxide }				<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
6	• manganese { manganese sulphate }				430	mg/kg	2.749	992.781	mg/kg	0.0993 %	✓	
	025-003-00-4	232-089-9	7785-87-7									
7	• molybdenum { molybdenum(VI) oxide }				2	mg/kg	1.5	2.52	mg/kg	0.000252 %	✓	
	042-001-00-9	215-204-7	1313-27-5									
8	• antimony { antimony trioxide }				3.3	mg/kg	1.197	3.318	mg/kg	0.000332 %	✓	
	051-005-00-X	215-175-0	1309-64-4									
9	• copper { dicopper oxide; copper (I) oxide }				22	mg/kg	1.126	20.806	mg/kg	0.00208 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
10	• mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
11	• nickel { nickel chromate }				23	mg/kg	2.976	57.501	mg/kg	0.00575 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
12	• lead { lead chromate }			1	16	mg/kg	1.56	20.964	mg/kg	0.00134 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
13	• selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
14	• zinc { zinc chromate }				29	mg/kg	2.774	67.578	mg/kg	0.00676 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
15	• chromium in Cr(III) compounds { • chromium(III) oxide (worst case) }				25	mg/kg	1.462	30.693	mg/kg	0.00307 %	✓	
		215-160-9	1308-38-9									

#	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	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
17	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
18	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
19	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
20	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
21	phenanthrene				0.11 mg/kg		0.0924 mg/kg	0.00000924 %	✓	
		201-581-5	85-01-8							
22	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
23	fluoranthene				0.47 mg/kg		0.395 mg/kg	0.0000395 %	✓	
		205-912-4	206-44-0							
24	pyrene				0.41 mg/kg		0.344 mg/kg	0.0000344 %	✓	
		204-927-3	129-00-0							
25	benzo[a]anthracene				0.27 mg/kg		0.227 mg/kg	0.0000227 %	✓	
	601-033-00-9	200-280-6	56-55-3							
26	chrysene				0.36 mg/kg		0.302 mg/kg	0.0000302 %	✓	
	601-048-00-0	205-923-4	218-01-9							
27	benzo[b]fluoranthene				0.52 mg/kg		0.437 mg/kg	0.0000437 %	✓	
	601-034-00-4	205-911-9	205-99-2							
28	benzo[k]fluoranthene				0.18 mg/kg		0.151 mg/kg	0.0000151 %	✓	
	601-036-00-5	205-916-6	207-08-9							
29	benzo[a]pyrene; benzo[def]chrysene				0.33 mg/kg		0.277 mg/kg	0.0000277 %	✓	
	601-032-00-3	200-028-5	50-32-8							
30	indeno[123-cd]pyrene				0.24 mg/kg		0.202 mg/kg	0.0000202 %	✓	
		205-893-2	193-39-5							
31	dibenz[a,h]anthracene				0.08 mg/kg		0.0672 mg/kg	0.00000672 %	✓	
	601-041-00-2	200-181-8	53-70-3							
32	benzo[ghi]perylene				0.28 mg/kg		0.235 mg/kg	0.0000235 %	✓	
		205-883-8	191-24-2							
33	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
Total:								0.122 %		

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: **WS2-ES2-04062025-0.60**

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

Sample details

Sample name:	LoW Code:	
WS2-ES2-04062025-0.60	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)
0.60-0.70 m		
Moisture content:		
12%		
(wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 12% 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 pH		8 pH		8pH		
2	☠ arsenic { arsenic trioxide }				6.2 mg/kg	1.32	7.204 mg/kg		0.00072 %	✓	
	033-003-00-0	215-481-4	1327-53-3								
3	☠ cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg		<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0								
4	☠ copper { dicopper oxide; copper (I) oxide }				13 mg/kg	1.126	12.88 mg/kg		0.00129 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
5	☠ mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg		<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7								
6	☠ nickel { nickel chromate }				16 mg/kg	2.976	41.906 mg/kg		0.00419 %	✓	
	028-035-00-7	238-766-5	14721-18-7								
7	☠ lead { lead chromate }			1	12 mg/kg	1.56	16.472 mg/kg		0.00106 %	✓	
	082-004-00-2	231-846-0	7758-97-6								
8	☠ selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg		<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5								
9	☠ zinc { zinc chromate }				49 mg/kg	2.774	119.621 mg/kg		0.012 %	✓	
	024-007-00-3	236-878-9	13530-65-9								
10	☠ chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				20 mg/kg	1.462	25.723 mg/kg		0.00257 %	✓	
		215-160-9	1308-38-9								
11	☠ chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg		<0.000409 %		<LOD
	024-017-00-8										
12	naphthalene				<0.05 mg/kg		<0.05 mg/kg		<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3								
13	• acenaphthylene				<0.05 mg/kg		<0.05 mg/kg		<0.000005 %		<LOD
		205-917-1	208-96-8								
14	• acenaphthene				<0.05 mg/kg		<0.05 mg/kg		<0.000005 %		<LOD
		201-469-6	83-32-9								
15	• fluorene				<0.05 mg/kg		<0.05 mg/kg		<0.000005 %		<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							
16	phenanthrene	201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
17	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
18	fluoranthene	205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
19	pyrene	204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
20	benzo[a]anthracene	601-033-00-9	200-280-6		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
21	chrysene	601-048-00-0	205-923-4		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	TPH (C6 to C40) petroleum group		TPH		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
Total:								0.0218 %		

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: **WS3-ES2-04062025-0.45**

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

Sample details

Sample name:	LoW Code:	
WS3-ES2-04062025-0.45	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)
0.45-0.90 m		
Moisture content:		
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		PH		8.6	pH		8.6	pH	8.6 pH		
2	• boron { diboron trioxide }				0.3	mg/kg	3.22	0.831	mg/kg	0.0000831 %	✓	
	005-008-00-8	215-125-8	1303-86-2									
3	• arsenic { arsenic trioxide }				8.5	mg/kg	1.32	9.652	mg/kg	0.000965 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
4	• beryllium { beryllium oxide }				0.82	mg/kg	2.775	1.957	mg/kg	0.000196 %	✓	
	004-003-00-8	215-133-1	1304-56-9									
5	• cadmium { cadmium oxide }				<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
6	• manganese { manganese sulphate }				350	mg/kg	2.749	827.318	mg/kg	0.0827 %	✓	
	025-003-00-4	232-089-9	7785-87-7									
7	• molybdenum { molybdenum(VI) oxide }				0.5	mg/kg	1.5	0.645	mg/kg	0.0000645 %	✓	
	042-001-00-9	215-204-7	1313-27-5									
8	• antimony { antimony trioxide }				2.3	mg/kg	1.197	2.368	mg/kg	0.000237 %	✓	
	051-005-00-X	215-175-0	1309-64-4									
9	• copper { dicopper oxide; copper (I) oxide }				13	mg/kg	1.126	12.587	mg/kg	0.00126 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
10	• mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
11	• nickel { nickel chromate }				17	mg/kg	2.976	43.513	mg/kg	0.00435 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
12	• lead { lead chromate }			1	16	mg/kg	1.56	21.463	mg/kg	0.00138 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
13	• selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
14	• zinc { zinc chromate }				59	mg/kg	2.774	140.76	mg/kg	0.0141 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
15	• chromium in Cr(III) compounds { • chromium(III) oxide (worst case) }				25	mg/kg	1.462	31.423	mg/kg	0.00314 %	✓	
		215-160-9	1308-38-9									

#	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	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
17	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
18	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
19	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
20	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
21	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
22	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
23	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
24	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
25	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
26	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
27	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
28	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
29	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
30	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
31	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
32	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
33	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
Total:								0.108 %		

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: **WS3-ES3-04062025-0.95**

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

Sample details

Sample name:	LoW Code:	
WS3-ES3-04062025-0.95	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)
0.95-1.00 m		
Moisture content:		
17%		
(wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 17% 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				7.4	pH		7.4	pH	7.4 pH		
2	☠ arsenic { arsenic trioxide }				8.2	mg/kg	1.32	8.986	mg/kg	0.000899 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
3	☠ cadmium { cadmium oxide }				<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
4	☠ copper { dicopper oxide; copper (I) oxide }				11	mg/kg	1.126	10.279	mg/kg	0.00103 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
5	☠ mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
6	☠ nickel { nickel chromate }				12	mg/kg	2.976	29.644	mg/kg	0.00296 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
7	☠ lead { lead chromate }			1	33	mg/kg	1.56	42.723	mg/kg	0.00274 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
8	☠ selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
9	☠ zinc { zinc chromate }				45	mg/kg	2.774	103.614	mg/kg	0.0104 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
10	☠ chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				19	mg/kg	1.462	23.049	mg/kg	0.0023 %	✓	
		215-160-9	1308-38-9									
11	☠ chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8											
12	naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
13	• acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8									
14	• acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9									
15	• fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<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							
16	phenanthrene	201-581-5	85-01-8		0.11 mg/kg		0.0913 mg/kg	0.00000913 %	✓	
17	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
18	fluoranthene	205-912-4	206-44-0		0.26 mg/kg		0.216 mg/kg	0.0000216 %	✓	
19	pyrene	204-927-3	129-00-0		0.23 mg/kg		0.191 mg/kg	0.0000191 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.13 mg/kg		0.108 mg/kg	0.0000108 %	✓	
21	chrysene	601-048-00-0	205-923-4	218-01-9	0.18 mg/kg		0.149 mg/kg	0.0000149 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.24 mg/kg		0.199 mg/kg	0.0000199 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.12 mg/kg		0.0996 mg/kg	0.00000996 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.2 mg/kg		0.166 mg/kg	0.0000166 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.09 mg/kg		0.0747 mg/kg	0.00000747 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	benzo[ghi]perylene	205-883-8	191-24-2		0.11 mg/kg		0.0913 mg/kg	0.00000913 %	✓	
28	TPH (C6 to C40) petroleum group		TPH		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
Total:								0.0204 %		

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: **WS4-ES1-04062025-0.60**

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

Sample details

Sample name:	LoW Code:
WS4-ES1-04062025-0.60	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.60-0.70 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	arsenic { arsenic trioxide }				7.3	mg/kg	1.32	8.289	mg/kg	0.000829 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
3	cadmium { cadmium oxide }				<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
4	copper { dicopper oxide; copper (I) oxide }				15	mg/kg	1.126	14.524	mg/kg	0.00145 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
5	mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
6	nickel { nickel chromate }				24	mg/kg	2.976	61.43	mg/kg	0.00614 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
7	lead { lead chromate }			1	13	mg/kg	1.56	17.439	mg/kg	0.00112 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
8	selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
9	zinc { zinc chromate }				57	mg/kg	2.774	135.989	mg/kg	0.0136 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
10	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				22	mg/kg	1.462	27.653	mg/kg	0.00277 %	✓	
		215-160-9	1308-38-9									
11	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8											
12	naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8									
14	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9									
15	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<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							
16	phenanthrene	201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
17	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
18	fluoranthene	205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
19	pyrene	204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
20	benzo[a]anthracene	601-033-00-9	200-280-6		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
21	chrysene	601-048-00-0	205-923-4		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	TPH (C6 to C40) petroleum group		TPH		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
Total:								0.0259 %		

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: **WS5-ES1-04062025-0.40**

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

Sample details

Sample name:	LoW Code:
WS5-ES1-04062025-0.40	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.40-0.80 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
13%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 13% 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				6.6	pH		6.6	pH	6.6 pH		
2	boron { diboron trioxide }				0.3	mg/kg	3.22	0.84	mg/kg	0.000084 %	✓	
	005-008-00-8	215-125-8	1303-86-2									
3	arsenic { arsenic trioxide }				7	mg/kg	1.32	8.041	mg/kg	0.000804 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
4	beryllium { beryllium oxide }				0.49	mg/kg	2.775	1.183	mg/kg	0.000118 %	✓	
	004-003-00-8	215-133-1	1304-56-9									
5	cadmium { cadmium oxide }				<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
6	manganese { manganese sulphate }				26	mg/kg	2.749	62.173	mg/kg	0.00622 %	✓	
	025-003-00-4	232-089-9	7785-87-7									
7	molybdenum { molybdenum(VI) oxide }				0.42	mg/kg	1.5	0.548	mg/kg	0.0000548 %	✓	
	042-001-00-9	215-204-7	1313-27-5									
8	antimony { antimony trioxide }				1.9	mg/kg	1.197	1.979	mg/kg	0.000198 %	✓	
	051-005-00-X	215-175-0	1309-64-4									
9	copper { dicopper oxide; copper (I) oxide }				13	mg/kg	1.126	12.734	mg/kg	0.00127 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
10	mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
11	nickel { nickel chromate }				12	mg/kg	2.976	31.072	mg/kg	0.00311 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
12	lead { lead chromate }			1	13	mg/kg	1.56	17.642	mg/kg	0.00113 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
13	selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
14	zinc { zinc chromate }				35	mg/kg	2.774	84.473	mg/kg	0.00845 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
15	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				21	mg/kg	1.462	26.703	mg/kg	0.00267 %	✓	
		215-160-9	1308-38-9									

#	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	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
17	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
18	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
19	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
20	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
21	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
22	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
23	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
24	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
25	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
26	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
27	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
28	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
29	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
30	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
31	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
32	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
33	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
Total:								0.0241 %		

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: WS5-ES2-04062025-0.80

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

Sample details

Sample name:	LoW Code:
WS5-ES2-04062025-0.80	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.80-0.90 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
11%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 11% 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				6.9	pH		6.9	pH	6.9 pH		
2	arsenic { arsenic trioxide }				6.9	mg/kg	1.32	8.108	mg/kg	0.000811 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
3	cadmium { cadmium oxide }				<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
4	copper { dicopper oxide; copper (I) oxide }				14	mg/kg	1.126	14.029	mg/kg	0.0014 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
5	mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
6	nickel { nickel chromate }				16	mg/kg	2.976	42.382	mg/kg	0.00424 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
7	lead { lead chromate }			1	12	mg/kg	1.56	16.659	mg/kg	0.00107 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
8	selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
9	zinc { zinc chromate }				53	mg/kg	2.774	130.856	mg/kg	0.0131 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
10	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				22	mg/kg	1.462	28.617	mg/kg	0.00286 %	✓	
		215-160-9	1308-38-9									
11	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8											
12	naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8									
14	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9									
15	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<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							
16	phenanthrene	201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
17	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
18	fluoranthene	205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
19	pyrene	204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
20	benzo[a]anthracene	601-033-00-9	200-280-6		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
21	chrysene	601-048-00-0	205-923-4		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	TPH (C6 to C40) petroleum group		TPH		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
Total:								0.0235 %		

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: **WS6-ES1-04062025-0.50**

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

Sample details

Sample name:	LoW Code:	
WS6-ES1-04062025-0.50	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)
0.50-0.60 m		
Moisture content:		
16%		
(wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 16% 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				7.5	pH		7.5	pH	7.5 pH		
2	☠ arsenic { arsenic trioxide }				12	mg/kg	1.32	13.309	mg/kg	0.00133 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
3	☠ cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.192	mg/kg	0.0000192 %	✓	
	048-002-00-0	215-146-2	1306-19-0									
4	☠ copper { dicopper oxide; copper (I) oxide }				21	mg/kg	1.126	19.861	mg/kg	0.00199 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
5	☠ mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
6	☠ nickel { nickel chromate }				15	mg/kg	2.976	37.501	mg/kg	0.00375 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
7	☠ lead { lead chromate }			1	68	mg/kg	1.56	89.097	mg/kg	0.00571 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
8	☠ selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
9	☠ zinc { zinc chromate }				58	mg/kg	2.774	135.156	mg/kg	0.0135 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
10	☠ chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				19	mg/kg	1.462	23.326	mg/kg	0.00233 %	✓	
		215-160-9	1308-38-9									
11	☠ chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8											
12	naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
13	• acenaphthylene				0.05	mg/kg		0.042	mg/kg	0.0000042 %	✓	
		205-917-1	208-96-8									
14	• acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9									
15	• fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<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							
16	phenanthrene	201-581-5	85-01-8		0.25 mg/kg		0.21 mg/kg	0.000021 %	✓	
17	anthracene	204-371-1	120-12-7		0.05 mg/kg		0.042 mg/kg	0.0000042 %	✓	
18	fluoranthene	205-912-4	206-44-0		0.73 mg/kg		0.613 mg/kg	0.0000613 %	✓	
19	pyrene	204-927-3	129-00-0		0.68 mg/kg		0.571 mg/kg	0.0000571 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		0.36 mg/kg		0.302 mg/kg	0.0000302 %	✓	
21	chrysene	601-048-00-0	205-923-4		0.53 mg/kg		0.445 mg/kg	0.0000445 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.62 mg/kg		0.521 mg/kg	0.0000521 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.3 mg/kg		0.252 mg/kg	0.0000252 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.55 mg/kg		0.462 mg/kg	0.0000462 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.27 mg/kg		0.227 mg/kg	0.0000227 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.07 mg/kg		0.0588 mg/kg	0.00000588 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		0.35 mg/kg		0.294 mg/kg	0.0000294 %	✓	
28	TPH (C6 to C40) petroleum group		TPH		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
Total:								0.0291 %		

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.

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

Description/Comments: Data from C&L Inventory Database
Data source: <https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806>
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H332 , Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Resp. Sens. 1; H334 , Skin Sens. 1; H317 , Repr. 1B; H360FD , 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

• 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

■ **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

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Reasonable case CLP species based on hazard statements/molecular weight and most common (stable) oxide of arsenic. Industrial sources include: smelting; main precursor to other arsenic compounds.

cadmium {cadmium oxide}

Reasonable case CLP species based on hazard statements/molecular weight, very low solubility in water. Industrial sources include: electroplating baths, electrodes for storage batteries, catalysts, ceramic glazes, phosphors, pigments and nematocides. Worst case compounds in CLP: cadmium sulphate, chloride, fluoride & iodide not expected as either very soluble and/or compound's industrial usage not related to site history.

copper {dicopper oxide; copper (I) oxide}

Reasonable case CLP species based on hazard statements/molecular weight and insolubility in water. Industrial sources include: oxidised copper metal, brake pads, pigments, antifouling paints, fungicide. Worse case copper sulphate is very soluble and likely to have been leached away if ever present and/or not enough soluble sulphate detected.

mercury {mercury dichloride}

Worst case CLP species based on hazard statements/molecular weight.

nickel {nickel chromate}

Worst case CLP species based on hazard statements/molecular weight.

lead {lead chromate}

Worst case CLP species based on hazard statements/molecular weight.

selenium {nickel selenate}

Worst case CLP species based on hazard statements/molecular weight.

zinc {zinc chromate}

Worst case CLP species based on hazard statements/molecular weight.

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

Reasonable case species based on hazard statements/molecular weight. Industrial sources include: tanning, pigment in paint, inks and glass.

chromium in Cr(VI) compounds {chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex}

Worst case species based on hazard statements/molecular weight

boron {diboron trioxide}

Reasonable case CLP species based on hazard statements/ molecular weight, physical form and low solubility. Industrial sources include: fluxing agent for glass/enamels; additive for fibre optics, borosilicate glass.

beryllium {beryllium oxide}

Reasonable case CLP species based on hazard statements/molecular weight. Industrial sources include: most common (non alloy) form, used in ceramics.

manganese {manganese sulphate}

Worst case CLP species based on hazard statements/molecular weight

molybdenum {molybdenum(VI) oxide}

Worst case CLP species based on hazard statements/molecular weight.

antimony {antimony trioxide}

Worst case CLP species based on hazard statements/molecular weight and low solubility. Industrial sources include: flame retardants in electrical apparatus, textiles and coatings.

Appendix C: Version

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

HazWasteOnline Classification Engine Version: 2025.248.6764.12269 (06 Sep 2025)

HazWasteOnline Database: 2025.248.6764.12269 (06 Sep 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



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