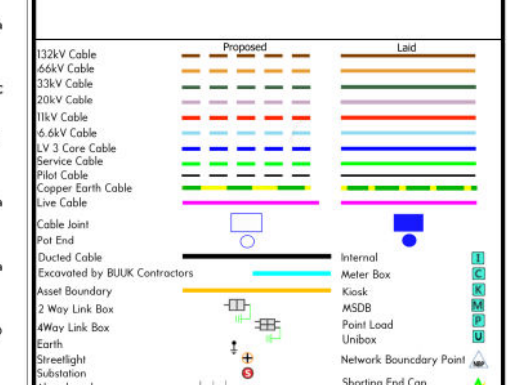


[illegible]

A horizontal beam is shown with a vertical reaction force at the left end and a downward point load at the right end.

UKPN Cross Section Of
Dual HV Cable Ducted In

$x = 6.00 \text{ m}$



Dual HV Cable Ducted In

Min. 750mm



Dual HV Cable Ducted In

Min 600mm	Tile tape	
-----------	-----------	--



Dual HV Cable Ducted In Footpath

Min 600mm	Tile type	
		100



Dual HV Cable Ducted in Carriageway

Min 750mm	Tik tape	100mm
-----------	----------	-------



Ducted In Footpath



Carriageway	
-------------	--



02	BR	0
03	BR	0
04	BR	0
06	BR	0
01	CV	0

185mm	500
185mm	500
185mm	315
185mm	315

Transformer size (kVA):	100
LV cabinet:	4-way
CT ratio:	50/5
TUF size (A):	10A

Surface type: concrete
 RMU: Schneider RM2c T1/21
 Intake RMU #1: N0019549 POC BH16 2S.J

DNO ref: 0200022699 Voltage: 11kV Volt drop (%): None ELC (mΩ): None	Plan Notes This plan shows apparatus owned by the BULK Group. Any third party apparatus indicated on these drawings is shown for indicative purposes only. The information shown on this plan is given without warranty, the
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Plot	Phase	Floor
43	GY	0
41	BK	0
40	GY	0

36	BR	0	For a revision history of this network design please see separate revision history document.
38	BK	0	
37	GY	0	

N0019549 MSDB3P3 RH16 2BY


**CFC, Woodit Business Park,
Louth.**

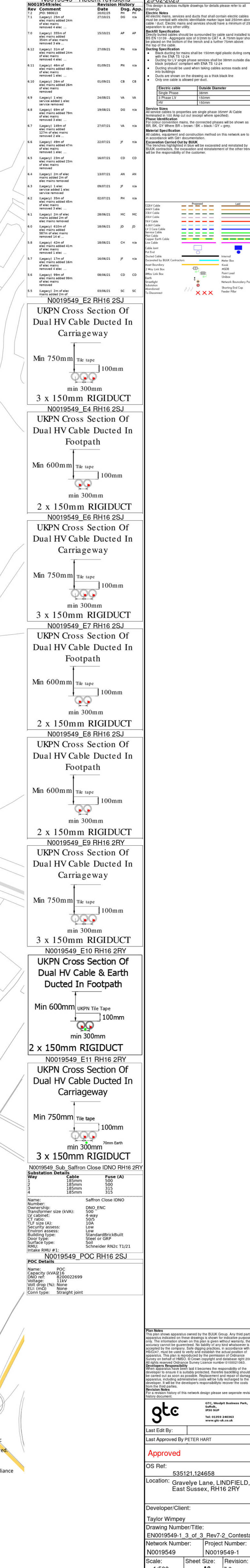
97	00	0	<table><tr><td>Last Edit By:</td><td></td></tr><tr><td colspan="2">Last Approved By: PETER WART</td></tr></table>	Last Edit By:		Last Approved By: PETER WART	
Last Edit By:							
Last Approved By: PETER WART							
101	00	0					
98	00	0					
99	00	0					
100	00	0					

N0019549 MSDB3P2 RH16 2RY			OS Ref:
MSDB Details	MSDB3P2	J1	
Plot	Phase	Floor	

91	HC	0	East Sussex, RH16 2HY
90	HC	0	
LL 88-93	HC	0	

Drawing Number/Title:	EN0019549.1 2 of 2 Rev7.2 appendix
-----------------------	------------------------------------

N0019549		N0019549-1	
Scale:	Sheet Size:	Revision:	
1/8" = 1'-0"	11" x 17"	1	



INFORMATION AND GUIDANCE

GU-DPR-IG-0022

TITLE: Safe Working in Vincinty of Utility Networks	DOCUMENT NO: GU-DPR-IG-0022
Document Business Owner:	Head of Strategy and Planning

Author/Reviewer:	Head of Strategy and Planning	Daniel Worman	October 2024
Approver:	Head of Strategy and Planning	Daniel Worman	October 2024
Authoriser:	Gas Networks Director	Ian Aldridge	October 2024

Document Review – Latest Update

Document Version	Amendment Details
07	The cloned version of this document has been recoded to <i>PU-DPR-IG-0022</i> to reflect changes to coding within the IMS. The details here are provided to retain consistency and records with both the original and cloned document. Disclaimer message added to document history. THIS DOCUMENT IS CLONED AND A SUBSERVIENT VERSION OF ALL EDITS MUST BE REPLICATED IN PU-DPR-IG-0022.

Full Document History is available at the end of this document

Next Review Due	October 2027
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SAFE WORKING IN THE VICINITY OF UTILITY NETWORKS

(Refer to the HSE Guidance Document HSG47)

Introduction

This document should be issued to anyone intending on working in the vicinity of GTC and associated entities' utility networks and should be used in conjunction with HSG47, NJUG guidance and industry recognised practices.

Confirmation should be sought from the asset owner in any instance of ambiguity or if there is confusion.

Any queries regarding diversions, alterations, and disconnections for Gas, Water, Distributed Heat and Fibre please contact: Network_Variations@gtc-uk.co.uk

Any queries regarding diversions, alterations, and disconnections for Electric, please contact: [c](#)

For more information please see the GTC website: <https://www.gtc-uk.co.uk/> or alternatively contact plant.enquiries@bu-uk.co.uk

The Dangers

Damage to services can cause significant disruption and project delays and therefore incur considerable costs as well as the potential for severe or fatal injury to not only to those directly involved but also the general public.

Damages often have instantaneous reactions like explosive arcing with cables or leaks for gas and water mains however latent reactions due to damages that are ignored, consealed, or unnoticed can have much greater consequences.

General

1. It is imperative that all works are carried out in accordance with the guidance provided by the HSE (Health and Safety Executive) in their document HSG47 "Avoiding Danger from Underground Services", ISBN 978 0 7176 6584 6, 3rd Edition 2014. No party shall carry out any excavation works or other intrusive works such as piling, blasting or demolition without following the guidance in HSG47.
2. We own gas, electricity, water, waste water, fibre, and district heating apparatus located in the highway, private property and through the countryside. Some plant may be located in land for which a wayleave or easement has been granted and there may be no surface evidence of the presence of apparatus.
3. Ensure that you have obtained detailed plans of existing and proposed gas, electricity, water, waste water, fibre, and district heating networks before any works commence.
4. The position of the networks shall be pinpointed as accurately as possible by visually surveying the area for indications of apparatus, by means of a locating device, and reference the information gathered to the plans. Locating equipment must be tested and calibrated within the manufacturer's calibration date.

Excavation work should be carried out where applicable, carefully following recognised safe digging practices. Once a locating device has been used to determine position and route, excavation may proceed; trial holes should be dug using suitable hand tools to

confirm the position of buried networks. During excavation the locating device should be reused to check position and route of buried apparatus.

Once the apparatus has been located, appropriate marking be made on the covering hard surface confirming location and any errors in plans identified, GTC should be advised to allow plans to be updated.

5. Hand-held power tools can damage buried apparatus and shall be used with care until the exact position of a utility has been determined. They may only be used to break a paved or concrete surface above the network, unless there are any indications that the network is particularly shallow; in such circumstances, accuracy of plant location is determined and excavation initiated adjacent to the apparatus.
6. No manhole, chamber or other structure shall be built over, around or under the network. Such structures, other pipes, ducts and cables should be laid to provide a minimum clearance from the existing network of 300mm or 1.5 times the diameter of the asset, whichever is the greater. No work should be carried out if this minimum clearance cannot be met or which results in a reduction of cover or protection over the network, without first consulting GTC, please seek advice from GTC.
7. Where an excavation uncovers any network apparatus the backfill shall be adequately compacted, particularly beneath the network, to prevent any settlement, which would subsequently damage the network. Backfill material adjacent to the network shall be selected fine material or sand, containing no stones, bricks or lumps of concrete etc. and shall be suitably compacted to give comparable support and protection to that provided before excavation. No power compaction shall take place until at least 200mm cover of selected fine fill has been suitably compacted by hand tools.
8. If the road construction is close to the top of the network, GTC shall be asked to identify whether any additional precautions are necessary. The road construction depth should not be reduced without permission from the local Highway Authority.
9. Costs incurred by GTC through direct or consequential damage shall be recharged.
10. Where utilities are within a duct the duct should be treated in the same manner as live utility cable/pipe/fibre and any work in the vicinity of the apparatus shall be carried out with caution.

Any damage caused no matter how insignificant or minor in appearance SHALL BE REPORTED to GTC as soon as possible.

Precautions for Gas Networks

11. Plans do not always show the presence of gas service pipes (from the gas main to premises) but their existence should be assumed with consideration given to the increased height of the service off-take fitting on the main.
12. The depth of cover for gas mains is typically 750mm in carriageways and grass verges, 600mm in footways and 1.1m in open field. The depth of cover for gas services is typically between 375mm and 600mm. Reference should always be made to the network drawing. Remember these covers are to finished level, you may be working in an area, which will be made up or lowered at a later date.

13. Gas pipes should be located by hand digging before mechanical excavation begins. When the positions and depth of the pipes have been determined, work can proceed.
14. If a gas leak is suspected, the following action should be taken immediately:
 - Remove all people from the immediate vicinity of the escape. If the service connection to a building or the adjacent main has been damaged, warn the occupants to leave the building, and any adjoining building, until it is safe for them to return. It is important to note that a mechanical excavator may not only cause damage/leakage at the point of impact. For example, damage to a service connection outside the building may result in further, unseen damage to the connection inside the building. Gas leaking from the damage inside or gas travelling along the line of the service connection pipe from outside the building may cause a build-up of gas within the building.
 - Prohibit smoking, and extinguish all naked flames and other sources of ignition i.e. stop excavator and compressor engines within at least 5.0m of the leak.
 - Inform the National Gas Emergency Service immediately by dialling:
0800 111 999
 - Remain on site.
 - Assist the Gas Emergency Service Provider staff, Police, Fire Services or other Statutory Authorities as requested.
15. Where gas pipes cross or are parallel and close to excavations, changes in backfill etc. may cause differential ground settlement and increased stress in the pipe. For pipes parallel and close to excavations, the degree of risk depends upon the depth of the excavation, the distance of the pipe from the excavation, the type of soil and any excessive loading from heavy construction plant and materials. Wherever excavation works may affect the support of the gas pipe or cause excessive loading over the gas pipe then GTC shall be consulted.
16. No concrete or other hard material should be placed or left under or adjacent to any gas pipe as this can cause pipe fracture at a later date. Concrete backfill should not be used within 300mm of a gas pipe.
17. Where an excavation uncovers a gas pipe with a damaged wrapping, GTC shall be informed, so that repairs can be made to prevent future corrosion and leakage.
18. Pipe restraints or thrust blocks close to gas mains shall not be removed or interfered with as they are a safety feature of the live gas network.
19. Anyone who carries out work near underground gas plant should observe any specific requirements made by the site manager, and ensure that access to the plant by the asset owners staff is available at all times. No unauthorised repairs to gas pipes should be made.
20. Where excavation is within 5m proximity to above or below ground pressure control equipment, ground workers must be aware of the possibility of encountering small auxiliary pipework that is more susceptible to damage.

21. Where PE pipes and cables have been exposed and it is intended that hot work (e.g. welding, grinding, etc) be carried out, contact shall be made with GTC to confirm additional precautions and actions that may require to be undertaken.
22. GTC shall be consulted if it is intended to carry out any of the following activities:
 - Using explosives within 30m of gas pipes or 400m of gas pressure reduction equipment.
 - Piling or boring within 15m of gas plant.
 - Excavating within 10m of pressure reduction equipment.
 - Reducing the cover or protection of a gas pipe.
 - Carrying out deep excavations nearby (minimum of 2m up to 15m).
 - Working within 3m of GTC's intermediate pressure (IP) mains.

Precautions for Electricity Networks

23. Plans do not always show the presence of electric service cables (from the electricity main to premises) but their existence should be assumed.
24. In most cases there will be no permanent surface marker posts or other visible indication of the presence of a buried cable. Even if no cables are shown on plans or detected by a locator, there may still be cables present, which could be live and a close watch should be kept for any signs which could indicate their presence such as marker tape, tape tile, concrete tiles and wooden battens. Any marker which is disturbed by our excavations must be replaced once work is completed.
25. Typically underground cables are laid in trenches between 450mm and 1000mm deep, although some high voltage cables will be deeper, however, depths should never be assumed.
26. A cable is positively located only when it has been safely exposed. Even then, digging should still proceed with care as there may be other cables adjacent or lower down.
27. Occasionally, cables are terminated in the ground by means of a seal, sometimes with external mechanical protection. These "pot ended" or "bottle ended" cables should be treated as live and should not be assumed to be abandoned or disused. They can be difficult to detect with locators even when "live".
28. Where practicable, such power tools shall only be used 500mm or more away from the indicated line of a cable buried in or below a hard surface. Having done so, the cable shall then be positively located by careful hand digging under the hard surface. The hard surface should be gradually removed until the cable is exposed. If the cable is not exposed then it must be assumed to be embedded within the surface. Where possible a cable locator shall be used as a depth guide down the side of the excavation.
29. Because of the difficulty in confirming depth, hand held power tools shall never be used over the cable unless either:
 - The cable has already been exposed by digging under the surface to be broken out and it is at a safe depth (at least 300mm) below the bottom of the hard surface material.

or

- Physical precautions have been taken to prevent the tool striking the cable.
- 30.** Excavating close to electricity cables buried in concrete is dangerous and shall not be undertaken unless the cable(s) have been isolated. For this reason alone electricity cables should not be buried in concrete.
- 31.** Where mechanical excavators are used in the possible vicinity of underground cables, the work should be arranged so that damage to cables is avoided so far as is reasonably practicable. To minimise danger to operatives those onsite shall be outside of the reach of the excavator bucket and shall not enter the trench whilst digging is undertaken. Excavator operators shall be instructed to stay in the cab if a cable is struck. If excavator operators have to exit the cab they should jump clear. If excavator operators climb down from the cab the risk of electrocution is significantly increased. If a cable is struck, the machine involved shall be subject to continuous observation and no one shall enter the excavation or approach the machine or the cable until GTC have been contacted and the damaged cable has been made safe.
- 32.** Where cables have been exposed:
- Any damage shall be reported to GTC immediately on: **0800 032 6990**
And work shall not be undertaken in the vicinity of a damaged cable until GTC has investigated its condition.
 - For more than 1.0m and they cross a trench, support shall be provided. If the exposed cable length is shorter than 1.0m support shall still be considered if joints have been exposed or the cable appears otherwise vulnerable to damage. Where advice and help is needed contact GTC.
 - Suitable precautions shall be taken to prevent damage from on-going work in the excavation. This may involve for example the use of physical means (e.g. timber boards, sandbags etc) to prevent mechanical damage. Materials or equipment which could damage or penetrate the outer sheath of the cable shall not be used. Cables lying in the bottom of an excavation are particularly vulnerable and shall be protected by nail free wooden planks, troughing or other suitable means.
 - Cables shall not be moved aside unless the operation is supervised by GTC.
 - Precautions shall be taken to prevent access by members of the public.
- 33.** GTC shall be consulted if it is intended to carry out any of the following activities:
- Using explosives within 30m of plant or substations piling or boring within 15m of electric plant.
 - Excavating within 10m of a substation.
 - Carrying out deep excavations nearby (minimum of 2m up to 15m).
 - Working near GTC's HV plant.

Precautions for Water Networks

34. Plans do not always show the presence of water service pipes (from the water main to premises) but their existence should be assumed with consideration given to the increased height of the service off-take fitting on the main.
35. The depth of cover for water mains are typically 900mm. The depth of cover for water services are typically 750mm. Remember these covers are to finished level, you may be working in an area, which will be made up or lowered at a later date.
36. Water mains shall be located by hand digging before mechanical excavation begins. When the positions and depth of the pipes have been determined, work can proceed.
37. The danger created by damaging a water pipe with an excavator is much greater than if the damage is done with a hand-held power tool. Water pipes may have projections such as valve housings, which are not shown on the plans and to allow for this mechanical excavators shall not be used within 500mm of a water pipe.
38. If a water leak is suspected, the following action should be taken immediately:
 - Remove all people from the immediate vicinity of the damage. It is important to note that a mechanical excavator may not only cause damage/leakage at the point of impact. For example, damage to a service connection outside the building may result in further, unseen damage to the connection inside the building.
 - Shut down all working plant and machinery in the vicinity of the damage
 - Inform IWNL by dialling: **02920 442 716**
 - Remain on site.
 - Do not attempt to make a repair.
 - Assist Approved Contractors, Police, Fire Services or other Statutory Authorities as requested.
39. Where water pipes cross or are parallel and close to excavations, changes in backfill etc. may cause differential ground settlement and increased stress in the pipe. For pipes parallel and close to excavations, the degree of risk depends upon the depth of the excavation, the distance of the pipe from the excavation, the type of soil and any excessive loading from heavy construction plant and materials. Wherever excavation works may affect the support of the water pipe or cause excessive loading over the water pipe then GTC must be consulted.
40. No concrete or other hard material should be placed or left under or adjacent to any water pipe as this can cause pipe fracture at a later date. Concrete backfill should not be used within 300mm of a water pipe.
41. Where an excavation uncovers a water pipe with a damaged wrapping, GTC shall be told, so that repairs can be made to prevent future corrosion and leakage.
42. Pipe restraints or thrust blocks close to water mains should never be removed.
43. Anyone who carries out work near underground water plant shall observe any specific requirements made by the site manager, and ensure that access to the plant by GTC staff is available at all times. No unauthorised repairs to water pipes should be made.

44. Where PE pipes and cables have been exposed and it is intended hot work (e.g. welding, grinding, etc) be carried out, contact shall be made with GTC to confirm additional precautions and actions that may require to be undertaken.
45. GTC shall be consulted if it is intended to carry out any of the following activities:
- Using explosives within 30m of plant.
 - Piling or boring within 15m of water plant.
 - Excavating within 10m of water asset structures.
 - Reducing the cover or protection of a water main or service.
 - Carrying out deep excavations nearby (minimum of 2m up to 15m).

Precautions for Fibre Networks

46. Plans may not always show the presence of fibre ducts but their existence should be assumed if GTC advise they have fibre services deployed in the given area. Any planned excavation work should only proceed with due care and attention.
47. Chambers with IFNL or OFNL marked lids can be used as an onsite indicator that GTC have fibre plant deployed in a given area however an exclusion of their presence does not necessarily mean there is no plant present.
48. In most cases there will be no permanent surface marker posts or other visible indication of the presence of a buried fibre duct. Even if no ducts are shown on plans there may still be ducts present which could have live fibre service installed. A close watch shall be kept for any signs which could indicate duct presence such as marker tape. Any marker which is disturbed by our excavations must be replaced once work is completed.
49. The depth of cover for fibre duct is typically between 350mm and 600mm in footways and grass verges, 600mm in carriageways and 1m in agricultural deployments. Remember these covers are to finished level, you may be working in an area, which will be made up or lowered at a later date.
50. Fibre ducts should be located by hand digging before mechanical excavation begins. When the positions and depth of the ducts have been determined, work can proceed. Even then, digging should still proceed with care as there may be other ducts adjacent or lower down.
51. If fibre duct damage is suspected, the following action should be taken immediately:
- Remove all people from the immediate vicinity of the damage. It is important to note that a mechanical excavator may not only cause damage at the point of impact. For example, damage to a fibre connection outside the building may result in further, unseen damage to the connection inside the building.
 - Shut down all working plant and machinery in the vicinity of the damage.
 - Inform GTC Fibre immediately on: **02920 028 726**
 - Remain on site.
 - Do not attempt to make a repair.

- Assist Approved Contractors, Police, Fire Services or other Statutory Authorities as requested.
52. Where fibre ducts cross or are parallel and close to excavations, changes in backfill etc. may cause differential ground settlement and increased stress on the duct. For ducts parallel and close to excavations, the degree of risk depends upon the depth of the excavation, the distance of the duct from the excavation, the type of soil and any excessive loading from heavy construction plant and materials. Wherever excavation works may affect the support of the fibre duct or cause excessive loading over the fibre duct then GTC must be consulted.
 53. No concrete or other hard material shall be placed or left under or adjacent to any fibre duct as this can cause damage to the duct at a later date. Any backfill should comply with the requirements of NRSWA. Concrete backfill should not be used within 300mm of a fibre duct.
 54. Anyone who carries out work near underground fibre plant should observe any specific requirements made by the site manager, and ensure that access to the plant by GTC staff is available at all times. No unauthorised repairs to fibre ducts should be made.
 55. Where fibre ducts have been exposed and it is intended hot work (e.g. welding, grinding, etc) be carried out, contact must be made with GTC to confirm additional precautions and actions that may require to be undertaken.
 56. GTC shall be consulted if it is intended to carry out any of the following activities:
 - Using explosives within 30m of plant or fibre asset structures.
 - Piling or boring within 15m of fibre plant.
 - Excavating within 10m of fibre asset structures (including the OSCP).
 - Reducing the cover or protection of a fibre asset.
 - Carrying out deep excavations nearby (minimum of 2m up to 15m).

Precautions for District Heating Networks

For information with respect to District Heating Networks this could also include District Cooling.

57. Plans do not always show the presence of District Heating service pipes (from the District Heating main to premises) but their existence should be assumed.
58. The depth of cover for District Heating mains is typically a minimum of 600mm under normal light carriageways and during construction activities, additional temporary protective bridging should be placed over DHN pipe runs. The depth of cover for District Heating services is typically 6000mm. Remember these covers are to finished level, you may be working in an area, which will be made up or lowered at a later date.
59. District Heating mains shall be located by hand digging before mechanical excavation begins. When the positions and depth of the pipes have been determined, work can proceed.

- 60.** The danger created by damaging a District Heating with an excavator is much greater than if the damage is done with a hand-held power tool. District Heating pipes may have projections such as valve housings, which are not shown on the plans and to allow for this mechanical excavators should not be used within 600mm of a District Heating pipe.
- 61.** If a water leak is suspected, the following action should be taken immediately:
- Remove all people from the immediate vicinity of the damage. It is important to note that a mechanical excavator may not only cause damage/leakage at the point of impact. For example, damage to a service connection outside the building may result in further, unseen damage to the connection inside the building.
 - Shut down all working plant and machinery in the vicinity of the damage.
 - Inform Metropolitan by dialling: **02920 100 346**
 - Remain on site.
 - Do not attempt to make a repair.
 - Assist Approved Contractors, Police, Fire Services or other Statutory Authorities as requested.
- 62.** Where District Heating cross or are parallel and close to excavations, changes in backfill etc. may cause differential ground settlement and increased stress in the pipe. For pipes parallel and close to excavations, the degree of risk depends upon the depth of the excavation, the distance of the pipe from the excavation, the type of soil and any excessive loading from heavy construction plant and materials. Wherever excavation works may affect the support of the District Heating or cause excessive loading over the water pipe then Metropolitan must be consulted.
- 63.** No concrete or other hard material should be placed or left under or adjacent to any District Heating as this can cause pipe fracture at a later date. Concrete backfill should not be used within 300mm of a District Heating.
- 64.** Where an excavation uncovers a District Heating pipe with a damaged insulation, Metropolitan should be told, so that repairs can be made to prevent future corrosions and leakage.
- 65.** Pipe restraints, Anchor blocks or foam padding close to district heating mains shall never be removed.
- 66.** Anyone who carries out work near underground district heating plant shall observe any specific requirements made by the site manager, and ensure that access to the plant by the asset owners staff is available at all times. No unauthorised repairs to district heating pipes shall be made.
- 67.** Where District Heating pipes have been exposed and it is intended hot work (e.g. welding, grinding, etc) will be carried out, contact shall be made with Metropolitan to confirm additional precautions and actions that may require to be undertaken.
- 68.** Metropolitan shall be consulted if it is intended to carry out any of the following activities:
- Using explosives within 30m of gas pipes or 400m of gas pressure reduction equipment.
 - Piling or boring within 15m of District Heating pipe.

- Reducing the cover or protection of a District Heating pipe.
- Carrying out deep excavations nearby.

DOCUMENT HISTORY

Revision Number	Date	Reasons For Amendment
1	-	Document Issued
2	-	Document Reviewed
3	-	Document Reviewed
4	January 2017	Document Reviewed.
4	December 2018	Document reviewed, revision number retained,
4	January 2020	Document reviewed, minor changes only, revision number retained.
5	November 2021	Document reviewed, changes to logo, amendments throughout.
5	January 2024	Document reviewed, no changes required revision number retained.
6	January 2024	Corrected an error error on the attached document that is sent out when customers request our asset plans. The email address for electricity diversions was spelt incorrectly and thereby didn't send. This has been amended and the document updated. THIS DOCUMENT IS CLONED AND A SUBSERVIENT VERSION OF ALL EDITS MUST BE REPLICATED FROM GU-DPR-IG-0022.
7	October 2024	The cloned version of this document has been recoded to <i>PU-DPR-IG-0022</i> to reflect changes to coding within the IMS. The details here are provided to retain consistency and records with both the original and cloned document.

Location Search / C2 Utility Stats Searches

Our Network Asset Search platform will highlight where we may have plant or apparatus within the vicinity of the co-ordinates you enter.

It is important to note that the search result information provided is to be used as a guide only. To ensure safety during the activity, your organisation must follow HSG47 guidelines to locate any buried services in the vicinity and follow a safe system of work during the work activity.

Eastings X	535310
Northings Y	124821
Project Reference	Gladman
Message/Comment	
Submit	

Note: Please search with a minimum of 5 digits to get the nearby Power network locations.

We have identified that we do not have any network assets within 500m of your searched location.

Appendix F

PHOTOGRAPHIC RECORD

PHOTOGRAPHIC LOG		
Photo no. 1	Date: 22/05/25	
WS01		
Description: Hand Pit		

Photo No. 2	Date: 22/05/25	
WS01		
Description: 1.2 to 2.0m bgl		

Photo No. 3	Date: 22/05/25	
WS01		
Description: 2.0 to 3.0m bgl		

Photo No. 4	Date: 22/05/25	
WS02		
Description: Hand Pit		

Photo No. 5	Date: 22/05/25	
WS02		
Description: 1.20 – 2.0m bgl		

Photo No. 6	Date: 22/05/25	
WS03		
Description: Hand pit		

Photo No. 7	Date: 22/05/25	
WS03		
Description: 2.40m bgl		

Photo No. 8	Date: 22/05/25	
WS04		
Description: Hand Pit		

Photo No. 9	Date: 22/05/25	
WS04		
Description: 1.20 to 2.0m bgl		

Photo No. 10	Date: 22/05/25	
WS04		
Description: 1.40m bgl		

Photo No. 11	Date: 22/05/25	
WS05		
Description: Hand Pit		

Photo No. 12	Date: 22/05/25	
WS05		
Description: 1.20m SPT		

Photo No. 13	Date: 22/05/25	
WS06		
Description: Hand Pit		

Photo No. 14	Date: 22/05/25	
WS06		
Description: 0.50m bgl		

Photo No. 15	Date: 22/05/25	
WS07		
Description: Hand Pit		

Photo No. 16	Date: 22/05/25	
WS07		
Description: 1.20 – 2.0m bgl		

Photo No. 17	Date: 22/05/25	
WS07		
Description: 2.0 – 3.0m bgl		

Photo No. 18	Date: 22/05/25	
WS08		
Description: Hand Pit		

Photo No. 19	Date: 22/05/25	
WS08		
Description: 1.1 – 2.0m bgl		

Photo No. 20	Date: 22/05/25	
WS08		
Description: 2.0 – 3.0m bgl		

Photo No. 21	Date: 22/05/25	
WS04		
Description: 3.0 – 4.0m bgl		

Photo No. 22	Date: 20/05/25	
TP01		
Description: View inside trial pit		

Photo No. 23	Date: 20/05/25	
TP02		
Description: View inside trial pit		

Photo No. 24	Date: 20/05/25	
TP03		
Description: View inside trial pit		

Photo No. 25	Date: 20/05/25	
TP04		
Description: View inside trial pit		

Photo No. 26	Date: 20/05/25	
TP05		
Description: View inside trial pit		

Photo No. 27	Date: 20/05/25	
TP07		
Description: View inside trial pit		

Photo No. 28	Date: 20/05/25	
TP08		
Description: View inside trial pit		

Appendix G

TECHNICAL BACKGROUND

G 1. Desk Study

Aquifer designation and Source protection zones (England and Wales)

Principal aquifer: layers of rock or drift deposit that have high intergranular and/or fracture permeability (usually providing a high level of water storage). They may support water supply and/or river base flow on a strategic scale.

Secondary A aquifer: permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.

Secondary B aquifer: predominantly lower permeability layers that may store and yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering.

Secondary undifferentiated aquifer: it has not been possible to attribute either a category A or B to a rock type. In most cases this means that it was previously designated as both a minor and non-aquifer in different locations owing to the variable characteristics.

Unproductive strata: low permeability with negligible significance for water supply or river base flow.

The EA generally adopts a three-fold classification of source protection zones (SPZ) surround abstractions for public water supply. The Site is situated in an area defined as follows:

- Zone 1 or the 'inner protection zone' is located immediately adjacent to the groundwater source and is based on a 50-day travel time from any point below the water table to the source. It is designed to protect against the effects of human activity and biological/chemical contaminants that may have an immediate effect on the source
- Zone 2 or the 'outer protection zone' is defined by a 400-day travel time from a point below the water table to the source. The travel time is designed to provide delay and attenuation of slowly degrading pollutants
- Zone 3 or the 'total catchment' is the area around the source within which all groundwater recharge is presumed to be discharged at the source.

Future climate change considerations

Several data sources, based on UKCP18 data, are available with which climate change projections can be viewed. These are detailed in the following table. In order to enable a consistent approach in our risk assessment we have based our initial assessment on data available for RCP8.5 data for the far future (2080s) for an initial conservative risk screen.

Climate change induced effect	Source	Notes	Comment
Temperature	https://uk-cri.org	RCP 8.5 average temperature maps for far future (2071-2100), UKCP18 Regional,	Anticipated to be conservative. It has been assumed that a change of +/- 5% is unlikely to have a significant impact

Climate change induced effect	Source	Notes	Comment
		median, 12 x 12 km spatial resolution	
Rainfall/recharge	https://uk-cri.org	RCP 8.5 annual rainfall for far future (2017-2100), UKCP18 Regional, median, 12 x 12 km or Local Authority spatial resolution	Anticipated to be conservative. It is anticipated that a change of +/- 5% is unlikely to have a significant impact for all sites. If a site is located in an urban area away from sensitive dependent receptors then a change of +/- 10% is unlikely to have a significant impact.
Flood risk maps for England/ Wales/ Scotland	https://check-long-term-flood-risk.service.gov.uk/risk (England), https://flood-map-for-planning.naturalresources.wales (Wales), https://map.sepa.org.uk/floodmaps/FloodRisk/FutureFloodMaps (Scotland)	Future flood maps are only available for England and Scotland.	Identify areas likely to be affected or at an increased risk from future flooding
Coastal erosion	https://www.gov.uk/check-coastal-erosion-management-in-your-area (England), (Wales), https://www.dynamiccoast.com/webmaps (Scotland)		Predicted coastal erosion rates. Includes for potential future scenarios to show how erosion may increase with rising sea levels because of climate change based on UKCP18 projections for a high missions scenario.
Shrink and swell potential	BGS Geoindex layer for GeoClimate UKCP18	GeoClimate UKCP18 (2030 to 2070)	Impossible, possible or probable that foundations will be affected by increased clay-shrink-swell

Preliminary risk assessment methodology

LCRM outlines the framework to be followed for risk assessment in the UK. The framework is designed to be consistent with UK legislation and policies including planning. An outline conceptual model should be formed at the preliminary risk assessment stage that collates all the existing information pertaining to a site in text, tabular or diagrammatic form. The outline conceptual model identifies potentially complete (termed possible) contaminant linkages (contaminant–pathway–receptor) and is used as the basis for the design of the site investigation. The outline conceptual model is updated as further information becomes available, for example as a result of the site investigation.

Production of a conceptual model requires an assessment of risk to be made. Risk is a combination of the likelihood of an event occurring and the magnitude of its consequences. Therefore, both the likelihood and the consequences of an event must be taken into account when assessing risk. RSK has adopted guidance provided in CIRIA C552 for use in the production of conceptual models.

The likelihood of an event can be classified on a four-point system using the following terms and definitions based on CIRIA C552:

- highly likely: the event appears very likely in the short term and almost inevitable over the long term or there is evidence at the receptor of harm or pollution
- likely: it is probable that an event will occur or circumstances are such that the event is not inevitable, but possible in the short term and likely over the long term
- low likelihood: circumstances are possible under which an event could occur, but it is not certain even in the long term that an event would occur and it is less likely in the short term
- unlikely: circumstances are such that it is improbable the event would occur even in the long term.

RSK also adopt a 'very unlikely' probability to account for where there may be increased certainty over whether an event is probable in the long term.

The severity can be classified using a similar system also based on CIRIA C552. The terms and definitions relating to severity are:

- severe: short term (acute) risk to human health likely to result in 'significant harm' as defined by the Environment Protection Act 1990, Part IIA. Short-term risk of pollution of sensitive water resources. Catastrophic damage to buildings or property. Short-term risk to an ecosystem or organism forming part of that ecosystem (note definition of ecosystem in 'Draft Circular on Contaminated Land', DETR 2000)
- medium: chronic damage to human health ('significant harm' as defined in 'Draft Circular on Contaminated Land', DETR 2000), pollution of sensitive water resources, significant change in an ecosystem or organism forming part of that ecosystem
- mild: pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services ('significant harm' as defined in 'Draft Circular on Contaminated Land', DETR 2000). Damage to sensitive buildings, structures or the environment
- minor: harm, not necessarily significant, but that could result in financial loss or expenditure to resolve. Non-permanent human health effects easily prevented by use of personal protective clothing. Easily repairable damage to buildings, structures and services.

Once the probability of an event occurring and its consequences have been classified, a risk category can be assigned according to the following:

		Consequences			
		Severe	Medium	Mild	Minor
Probability	Highly likely	Very high	High	Moderate	Moderate/low
	Likely	High	Moderate	Moderate/low	Low
	Low likelihood	Moderate	Moderate/low	Low	Very low
	Unlikely	Moderate/low	Low	Very low	Very low
	Very Unlikely	Low	Very Low	Negligible	Negligible

Definitions of these risk categories are as follows together with an assessment of the further work that may be required:

- very high: there is a high probability that severe harm could occur or there is evidence that severe harm is currently happening. This risk, if realised, could result in substantial liability; urgent investigation and remediation are likely to be required
- high: harm is likely to occur. Realisation of the risk is likely to present a substantial liability. Urgent investigation is required. Remedial works may be necessary in the short term and are likely over the long term
- moderate: it is possible that harm could arise, but it is unlikely that the harm would be severe, and it is more likely that the harm would be relatively mild. Investigation is normally required to clarify the risk and determine the liability. Some remedial works may be required in the longer term
- low: it is possible that harm could occur, but it is likely that if realised this harm would at worst normally be mild
- very low: there is a low possibility that harm could occur and if realised the harm is unlikely to be severe.

I2 Site Investigation Methodology

Ground gas monitoring

An infrared gas meter was used to measure gas flow, concentrations of carbon dioxide (CO₂), methane (CH₄) and oxygen (O₂) in percentage by volume, while hydrogen sulphide (H₂S) and carbon monoxide (CO) were recorded in parts per million. Initial and steady state concentrations were recorded. In addition, during the first monitoring round, all wells were screened with a PID to establish if there are any interferences and cross-sensitivity of other hydrocarbons with the infrared gas meter.

Low flow groundwater sampling

Groundwater samples were retrieved using a low-flow purging and sampling methodology

The low-flow method relies on moving groundwater through the well screen at approximately the same rate as it flows through the geological formation. This results in a significant reduction in the volume of water extracted before sampling and significantly reduces the amount of disturbance of the water in the monitoring well during purging and sampling. Drawdown levels in the monitoring well and water quality indicator parameters (pH, temperature, electrical conductivity, redox potential and dissolved oxygen) are monitored during low-flow purging and sampling, with stabilisation indicating that purging is complete and sampling can begin. As the flow rate used for purging, in most cases, is the same or only slightly higher than the flow rate used for sampling, and because purging and sampling are conducted as one continuous operation in the field, the process is referred to as low-flow purging and sampling.

Appendix H

EXPLORATORY HOLE RECORDS

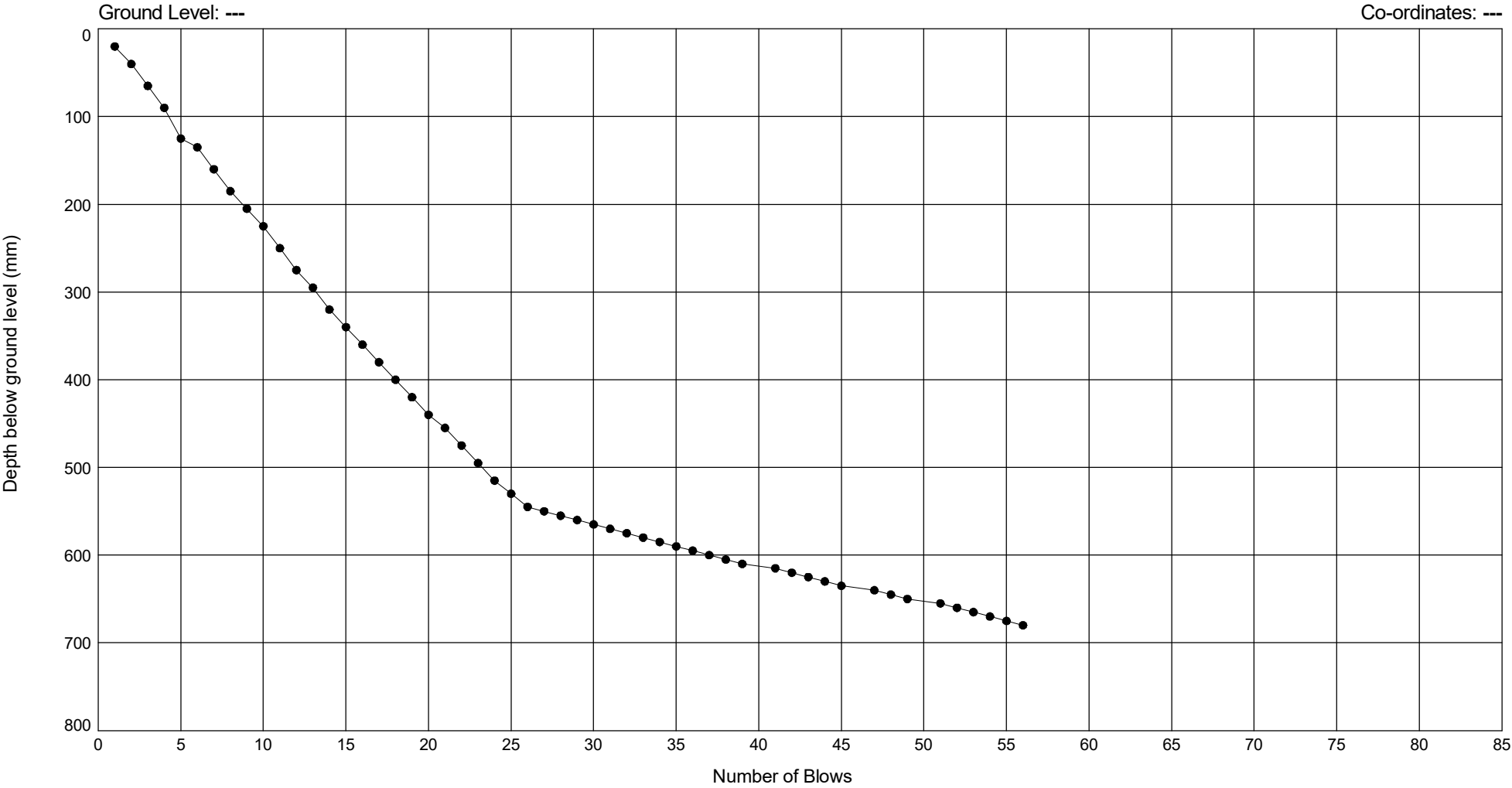
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Ref : **DCP01**

Test Date : **29.05.25**

Test Number : **1**

Co-ordinates: ---

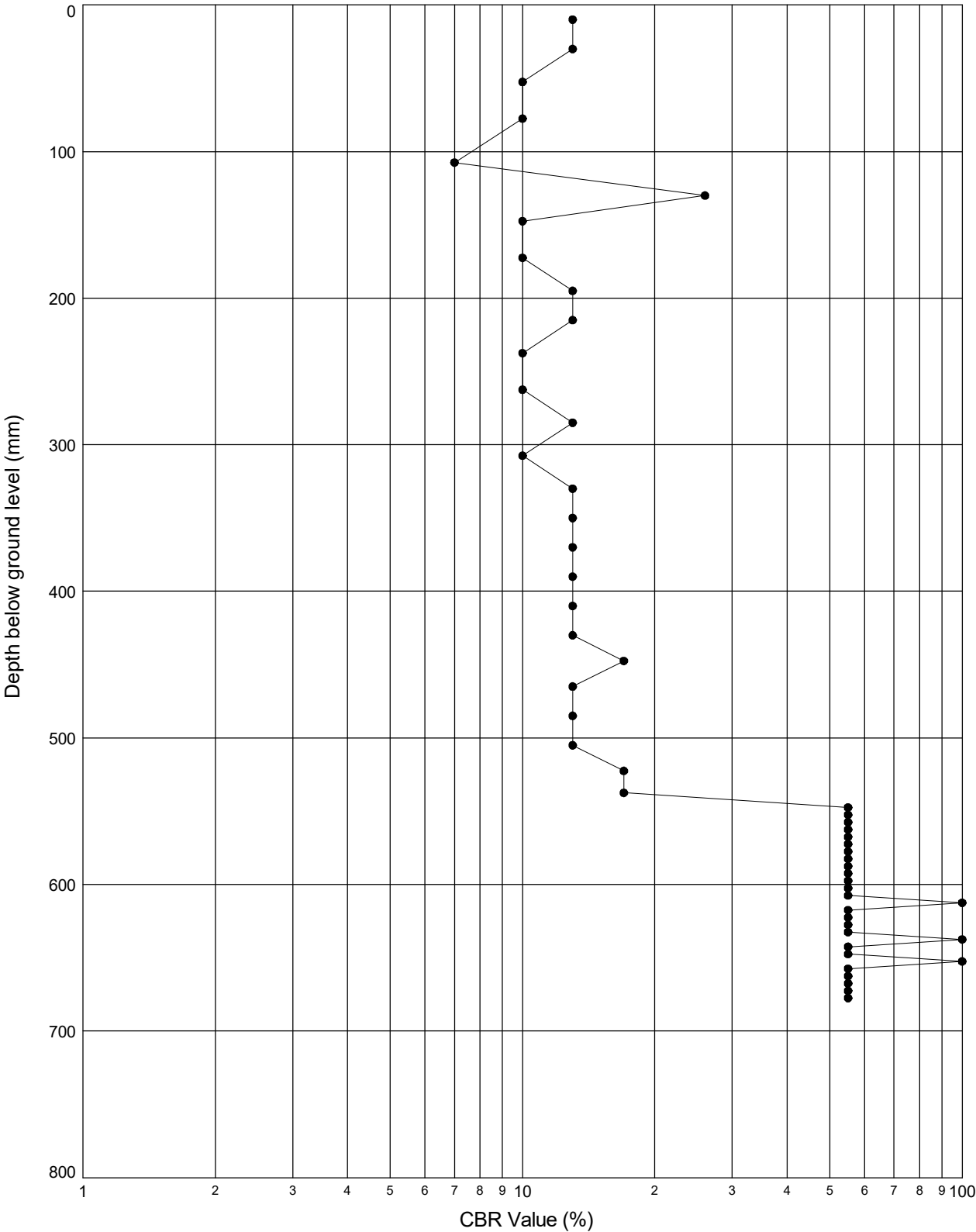


Anerley Court Half Moon Lane Hildenborough Tonbridge Kent, TN11 9HU	Test Supervisor	Date	Checked By	Date	Contract Ref: 52744
		29/05/25			
	Contract Scamps Hill, Lindfield				

DCP TEST RESULTS - DEPTH vs CBR VALUE

Position Ref : **DCP01** Test Date : **29.05.25** Test Number : **1**

Ground Level: --- Co-ordinates: ---



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.

Anerley Court Half Moon Lane Hildenborough Tonbridge Kent, TN11 9HU	Test Supervisor	Date	Checked By	Date
		29/05/25		
	Contract Scamps Hill, Lindfield		Contract Ref: 52744	

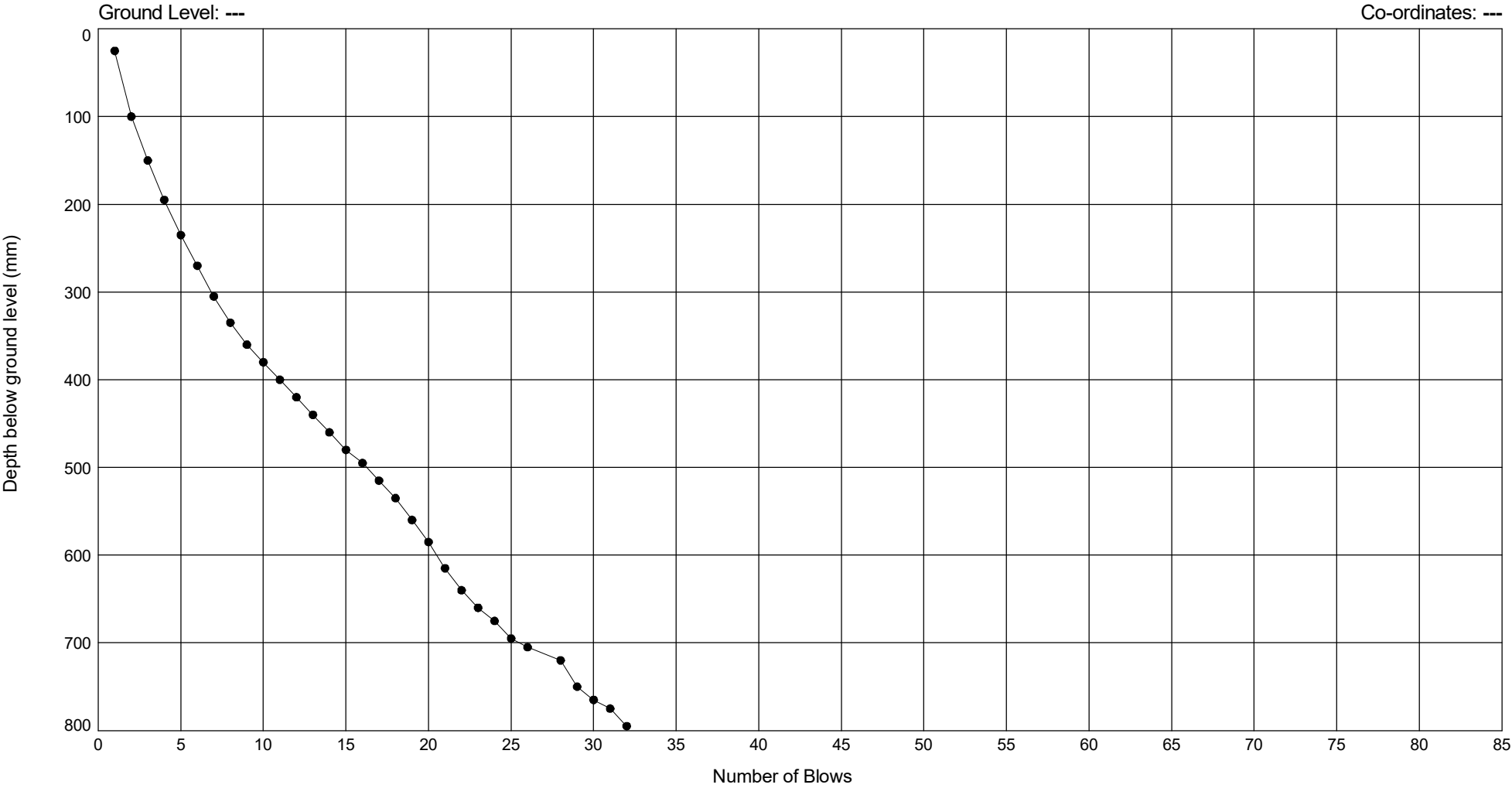
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Ref : **DCP02**

Test Date : **29.05.25**

Test Number : **1**

Co-ordinates: ---

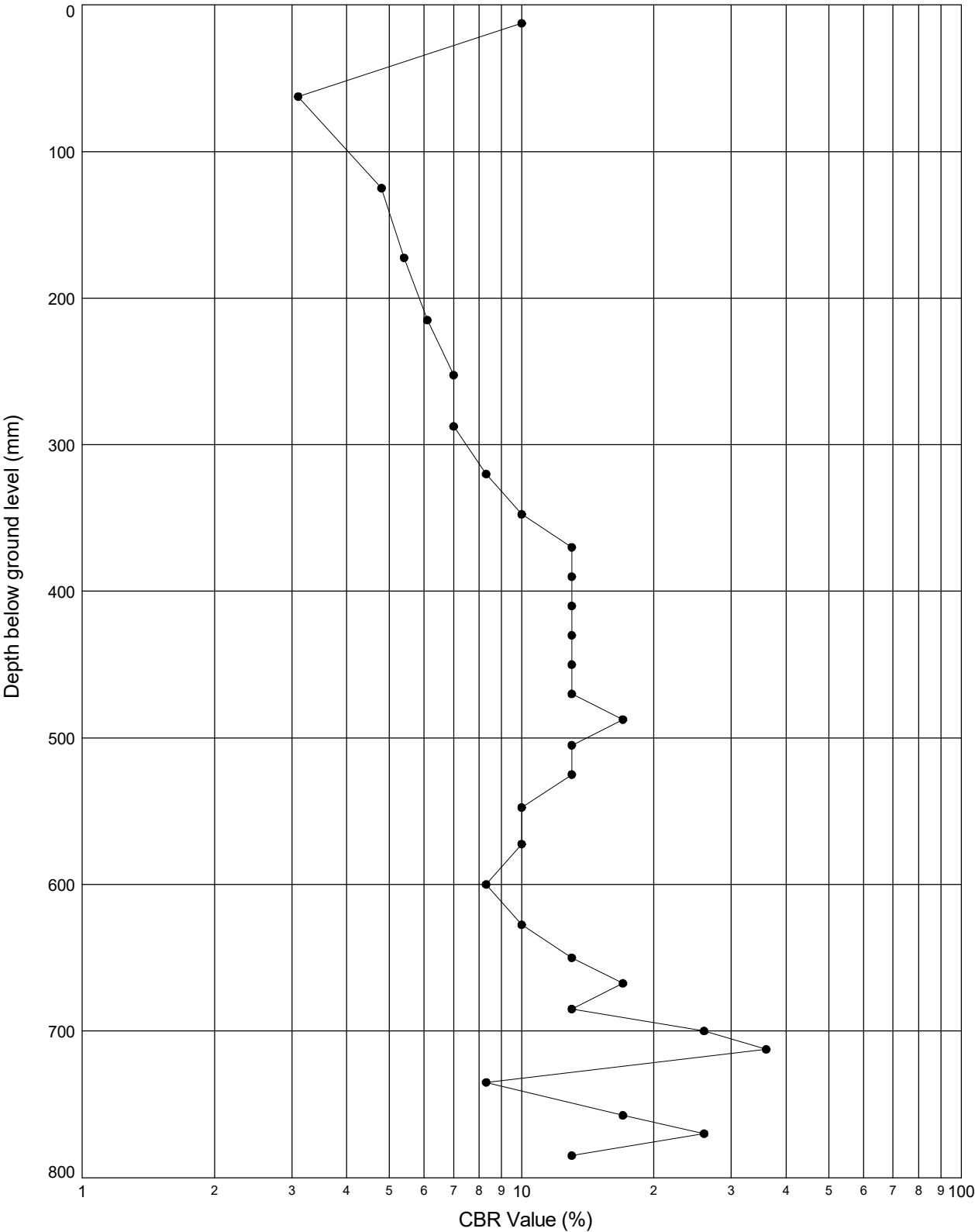


Anerley Court Half Moon Lane Hildenborough Tonbridge Kent, TN11 9HU	Test Supervisor	Date	Checked By	Date	Contract Ref: 52744
		29/05/25			
	Contract Scamps Hill, Lindfield				

DCP TEST RESULTS - DEPTH vs CBR VALUE

Position Ref : DCP02 Test Date : 29.05.25 Test Number : 1

Ground Level: --- Co-ordinates: ---



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.

Anerley Court Half Moon Lane Hildenborough Tonbridge Kent, TN11 9HU	Test Supervisor	Date	Checked By	Date
		29/05/25		
	Contract Scamps Hill, Lindfield		Contract Ref: 52744	

GINT_LIBRARY_V10_01.GLB LibVersion: v8_07_001 PpjVersion: v8_07 | Graph 1 - DCP - 1 - BLOWS VS DEPTH - A4L | 52744 SCAMPS HILL GPJ - v10_01. | 24/06/25 - 15:52 | VF1 |

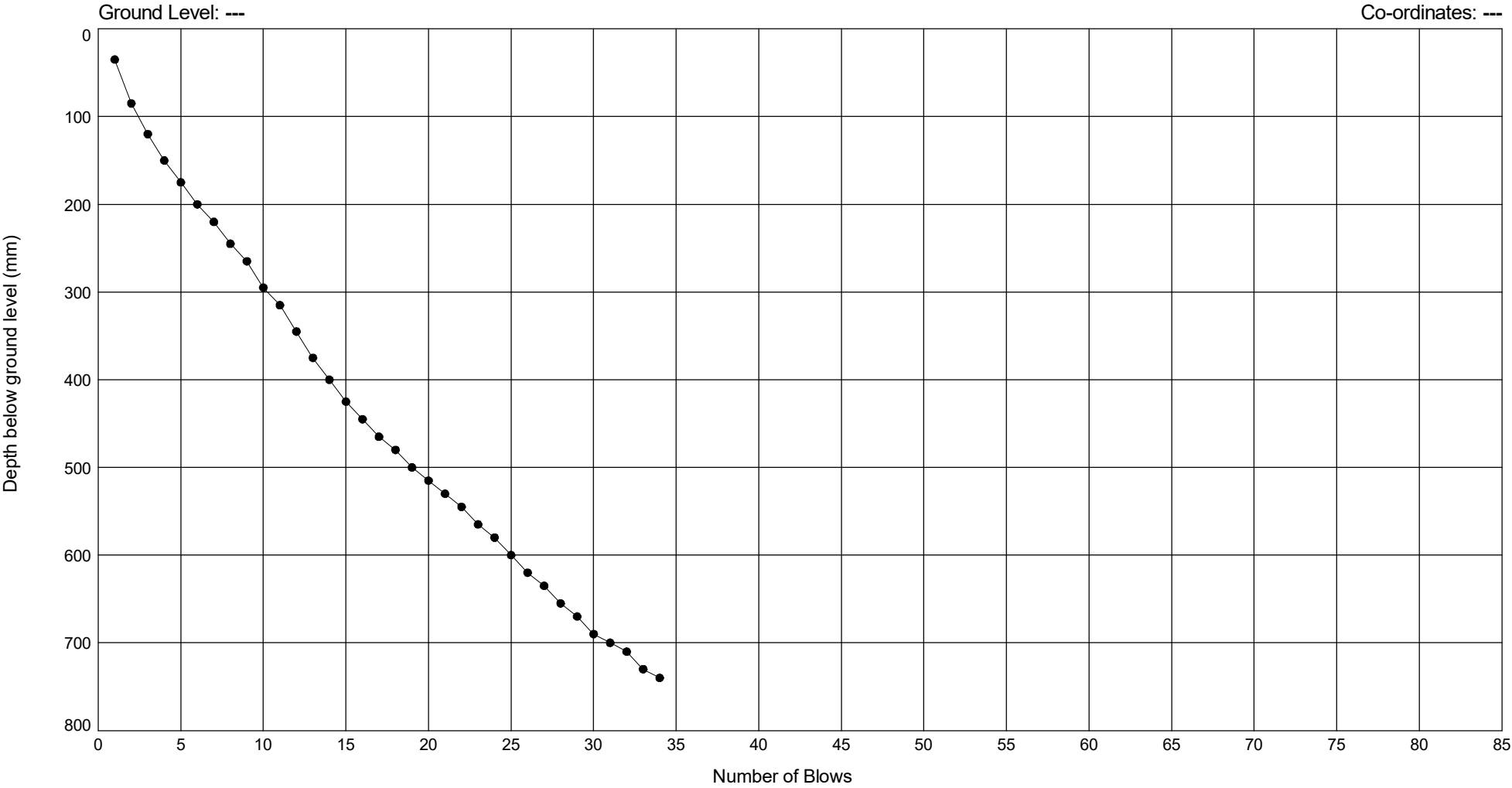
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Ref : **DCP03**

Test Date : **29.05.25**

Test Number : **1**

Co-ordinates: ---

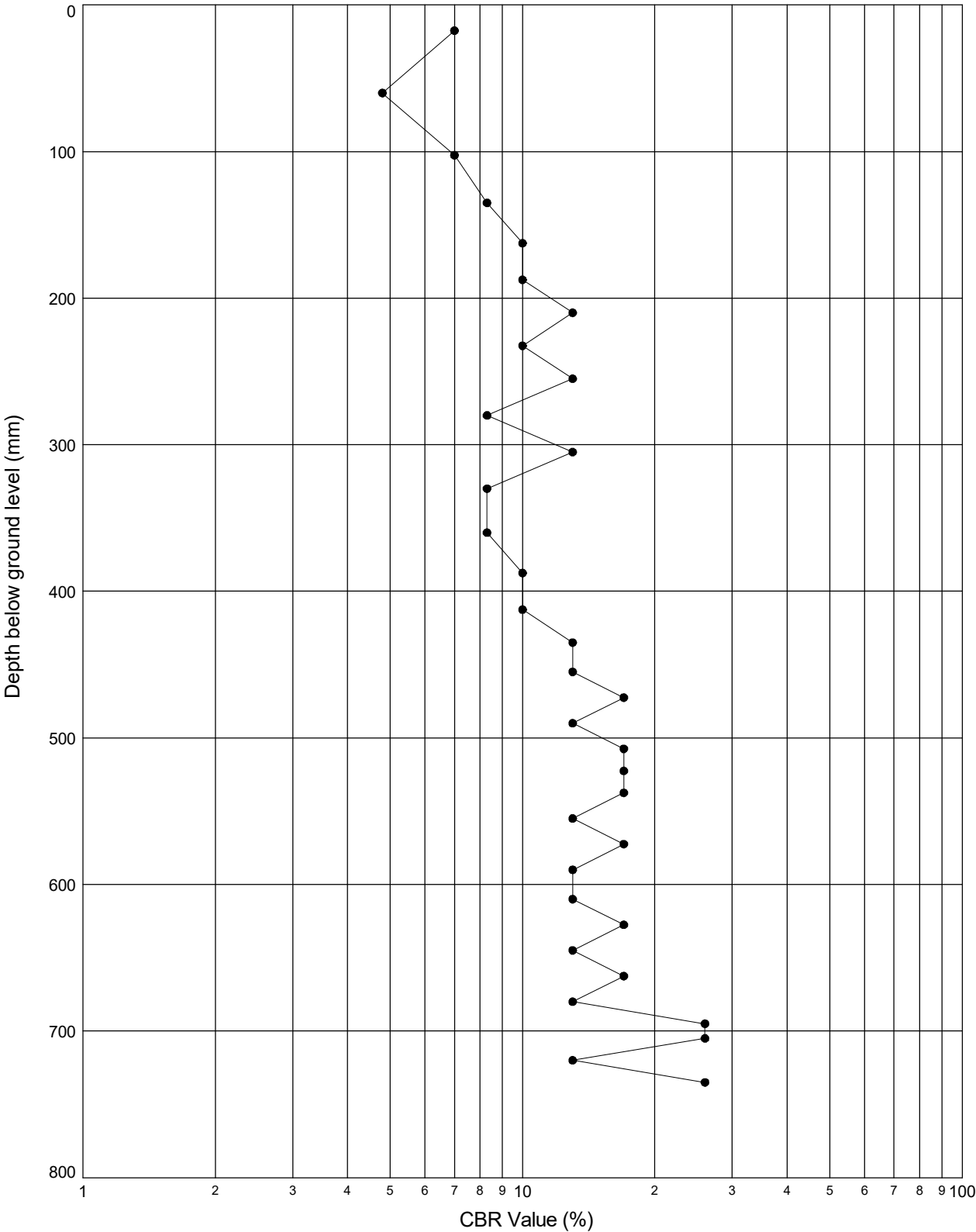


Anerley Court Half Moon Lane Hildenborough Tonbridge Kent, TN11 9HU	Test Supervisor	Date	Checked By	Date	Contract Ref: 52744
		29/05/25			
	Contract Scamps Hill, Lindfield				

DCP TEST RESULTS - DEPTH vs CBR VALUE

Position Ref : DCP03 Test Date : 29.05.25 Test Number : 1

Ground Level: --- Co-ordinates: ---



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.

Anerley Court Half Moon Lane Hildenborough Tonbridge Kent, TN11 9HU	Test Supervisor	Date	Checked By	Date
		29/05/25		
	Contract Scamps Hill, Lindfield		Contract Ref: 52744	

GINT_LIBRARY_V10_01.GLB LibVersion: v8_07_001 ProjVersion: v8_07 | Graph 1 - DCP - 1 - BLOWS VS DEPTH - A4L | 52744 SCAMPS HILL GPJ - v10_01. | 24/06/25 - 15:52 | VF1 |

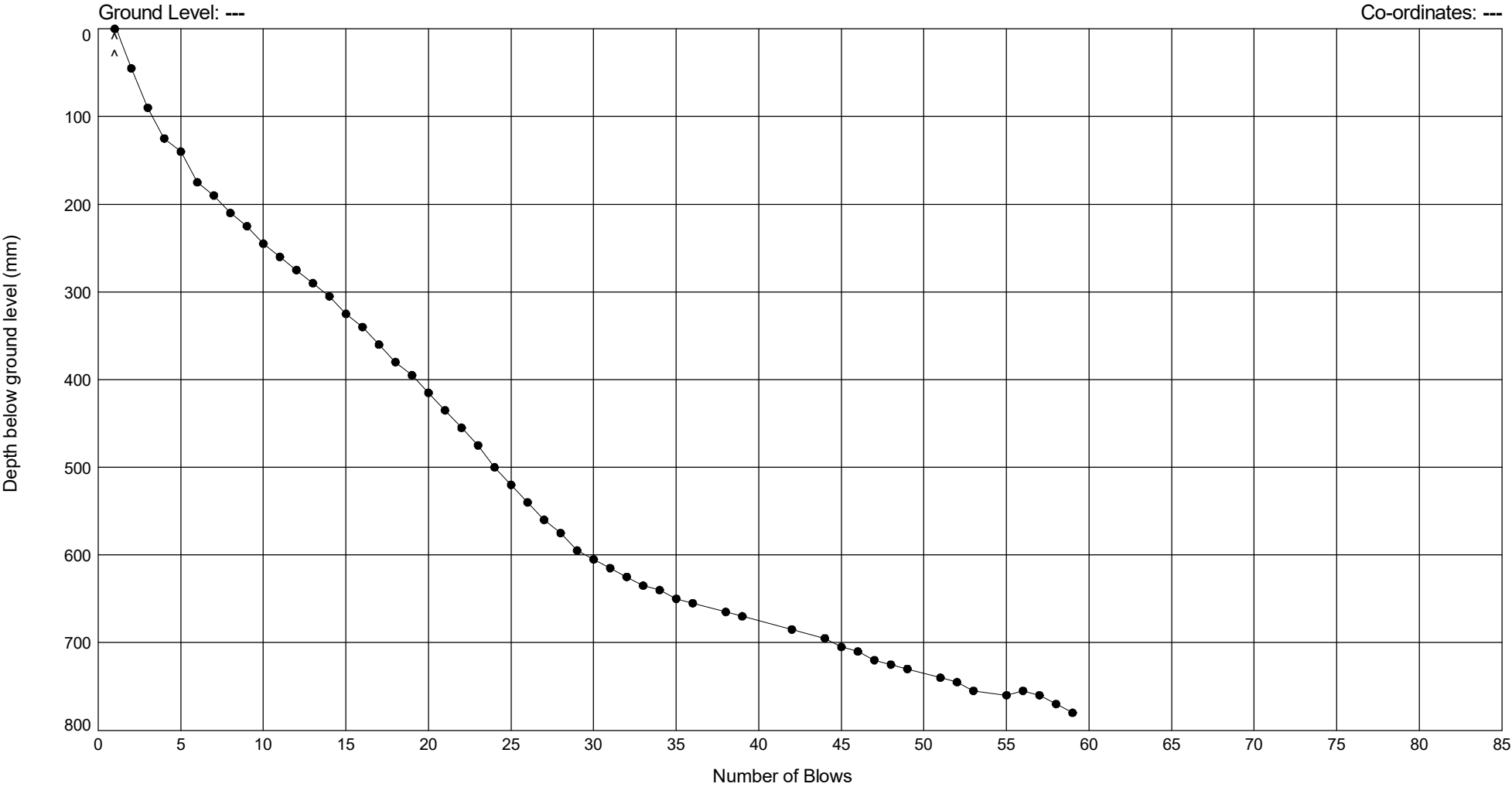
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Ref : **DCP04**

Test Date : **29.05.25**

Test Number : **1**

Co-ordinates: ---

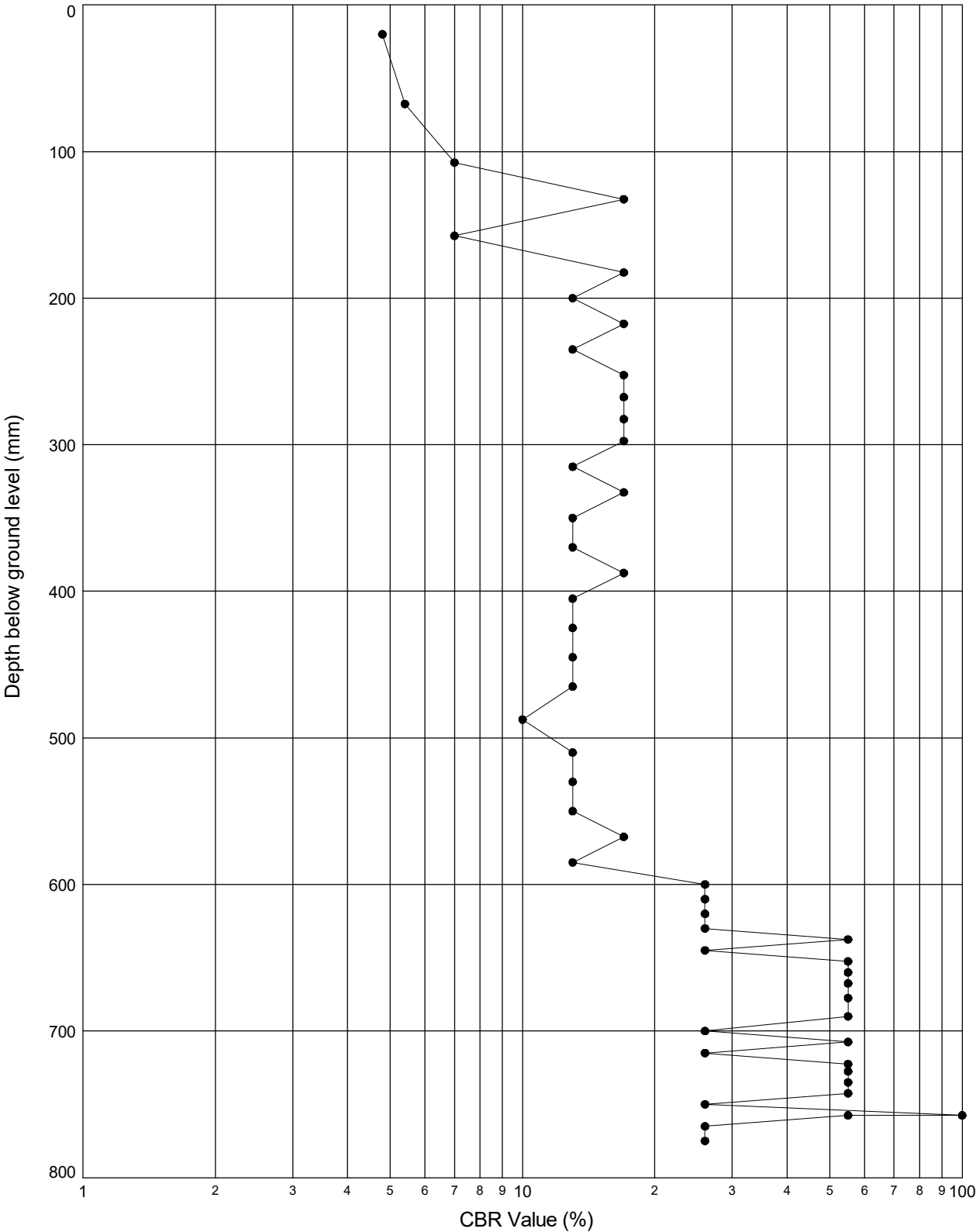


Anerley Court Half Moon Lane Hildenborough Tonbridge Kent, TN11 9HU	Test Supervisor	Date	Checked By	Date	Contract Ref: 52744
		29/05/25			
	Contract Scamps Hill, Lindfield				

DCP TEST RESULTS - DEPTH vs CBR VALUE

Position Ref : DCP04 Test Date : 29.05.25 Test Number : 1

Ground Level: --- Co-ordinates: ---



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.

Anerley Court Half Moon Lane Hildenborough Tonbridge Kent, TN11 9HU	Test Supervisor	Date	Checked By	Date
		29/05/25		
	Contract Scamps Hill, Lindfield		Contract Ref: 52744	

GINT_LIBRARY_V10_01.GLB LibVersion: v8_07_001 PpjVersion: v8_07 | Graph 1 - DCP - 1 - BLOWS VS DEPTH - A4L | 52744 SCAMPS HILL GPJ - v10_01. | 24/06/25 - 15:52 | VF1 |

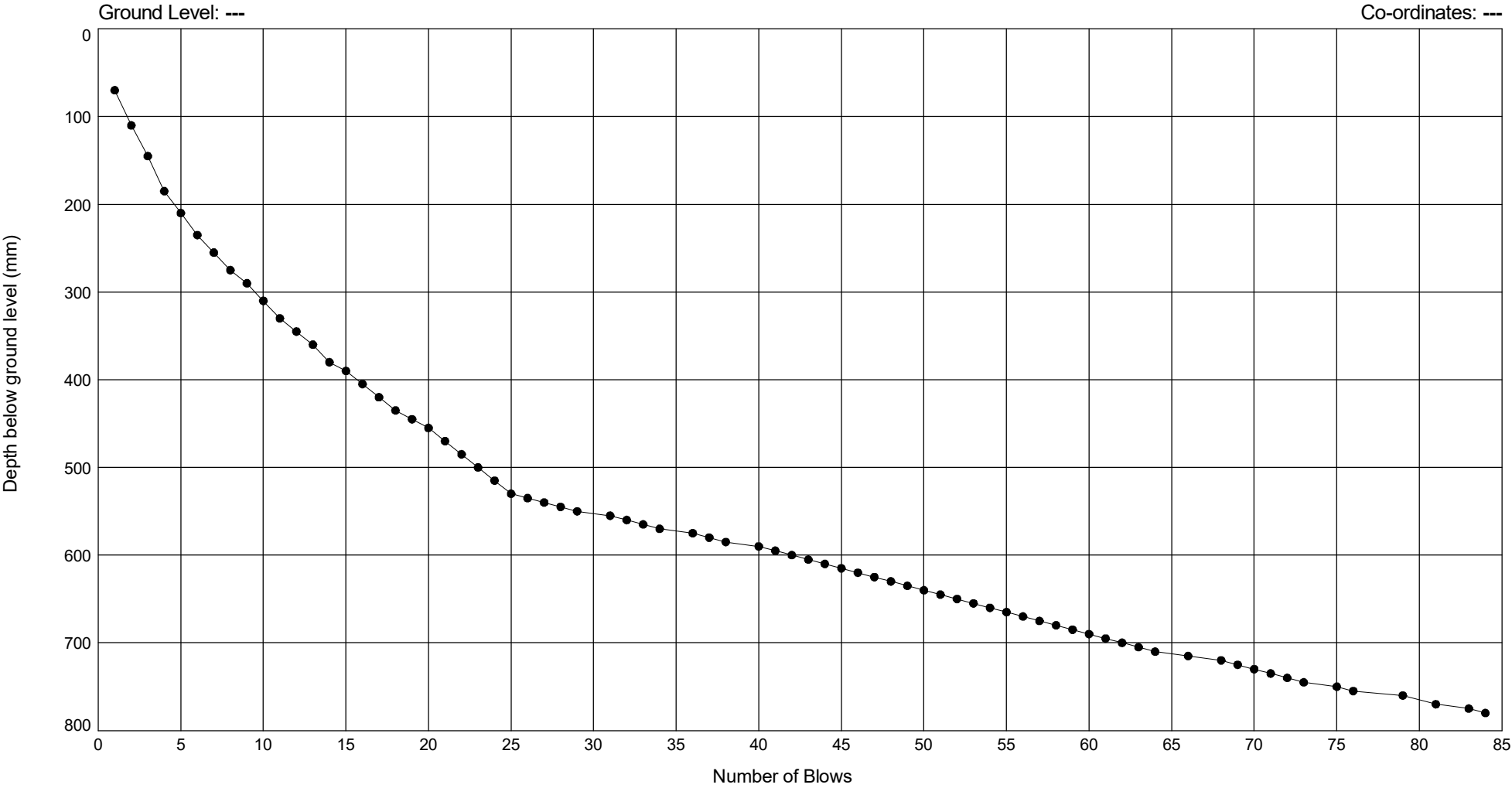
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Ref : **DCP05**

Test Date : **29.05.25**

Test Number : **1**

Co-ordinates: ---

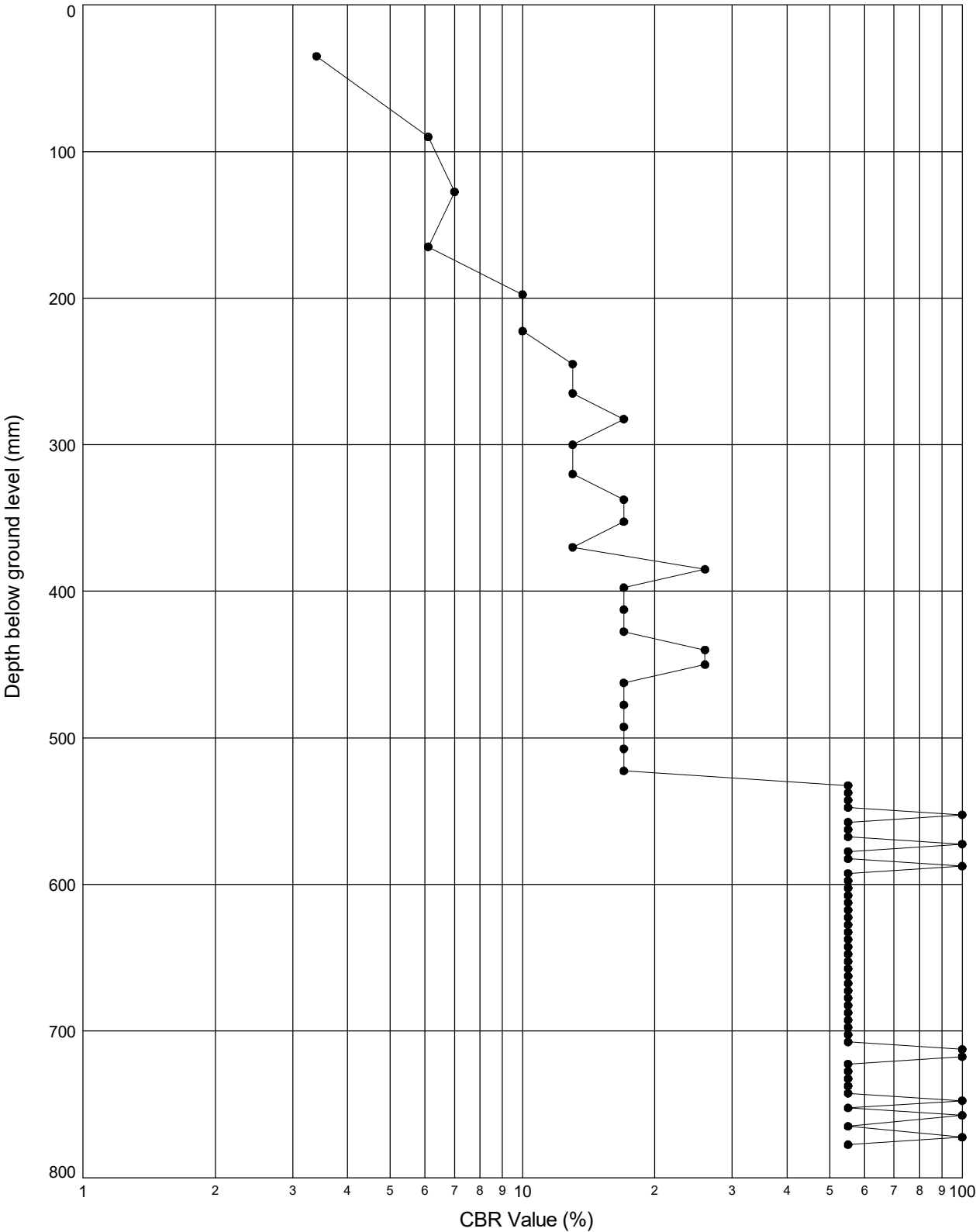


Anerley Court Half Moon Lane Hildenborough Tonbridge Kent, TN11 9HU	Test Supervisor	Date	Checked By	Date	Contract Ref: 52744
		29/05/25			
	Contract Scamps Hill, Lindfield				

DCP TEST RESULTS - DEPTH vs CBR VALUE

Position Ref : DCP05 Test Date : 29.05.25 Test Number : 1

Ground Level: --- Co-ordinates: ---



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.

Anerley Court Half Moon Lane Hildenborough Tonbridge Kent, TN11 9HU	Test Supervisor	Date	Checked By	Date
		29/05/25		
	Contract Scamps Hill, Lindfield		Contract Ref: 52744	

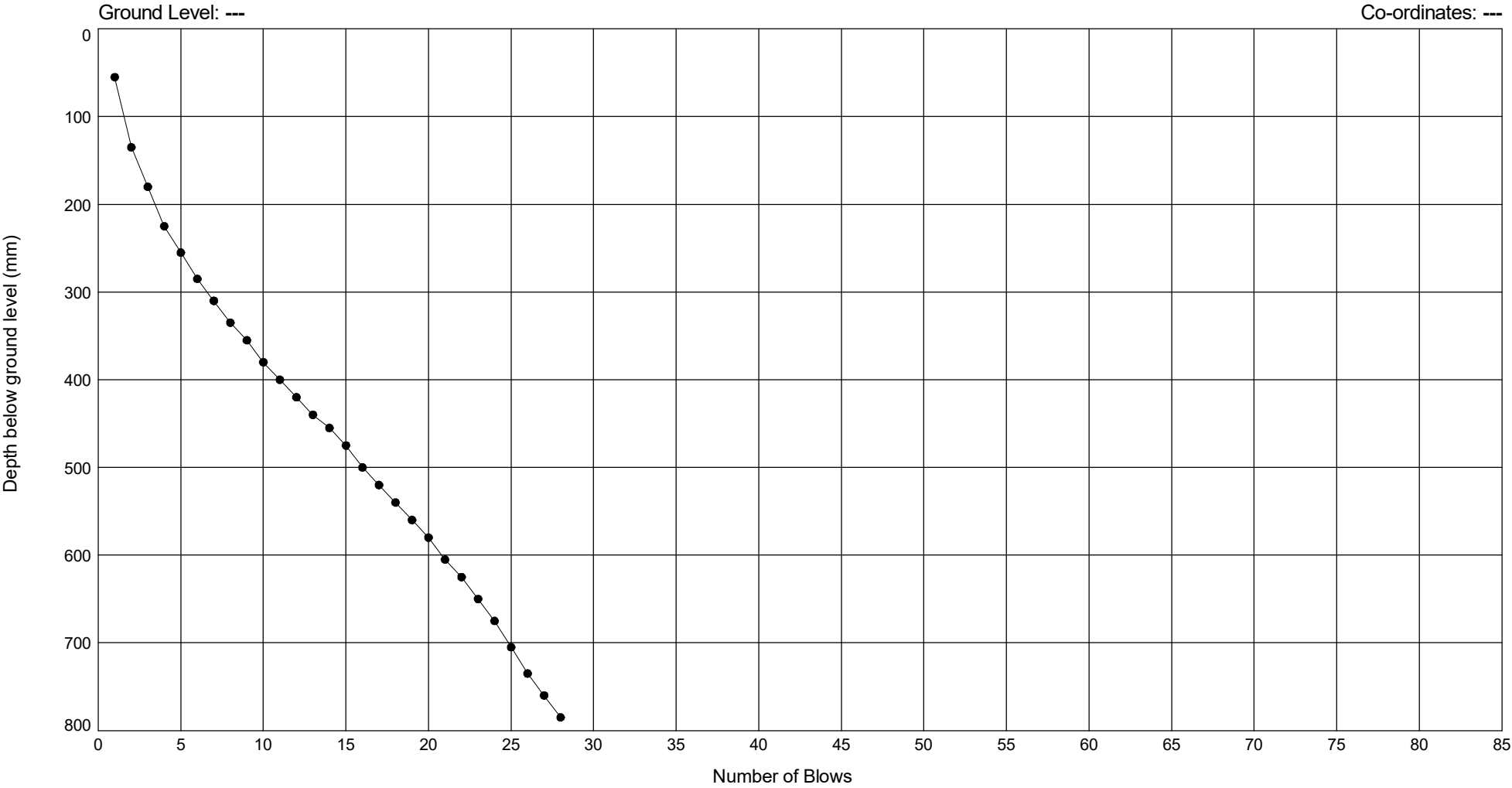
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Ref : **DCP06**

Test Date : **29.05.25**

Test Number : **1**

Co-ordinates: ---

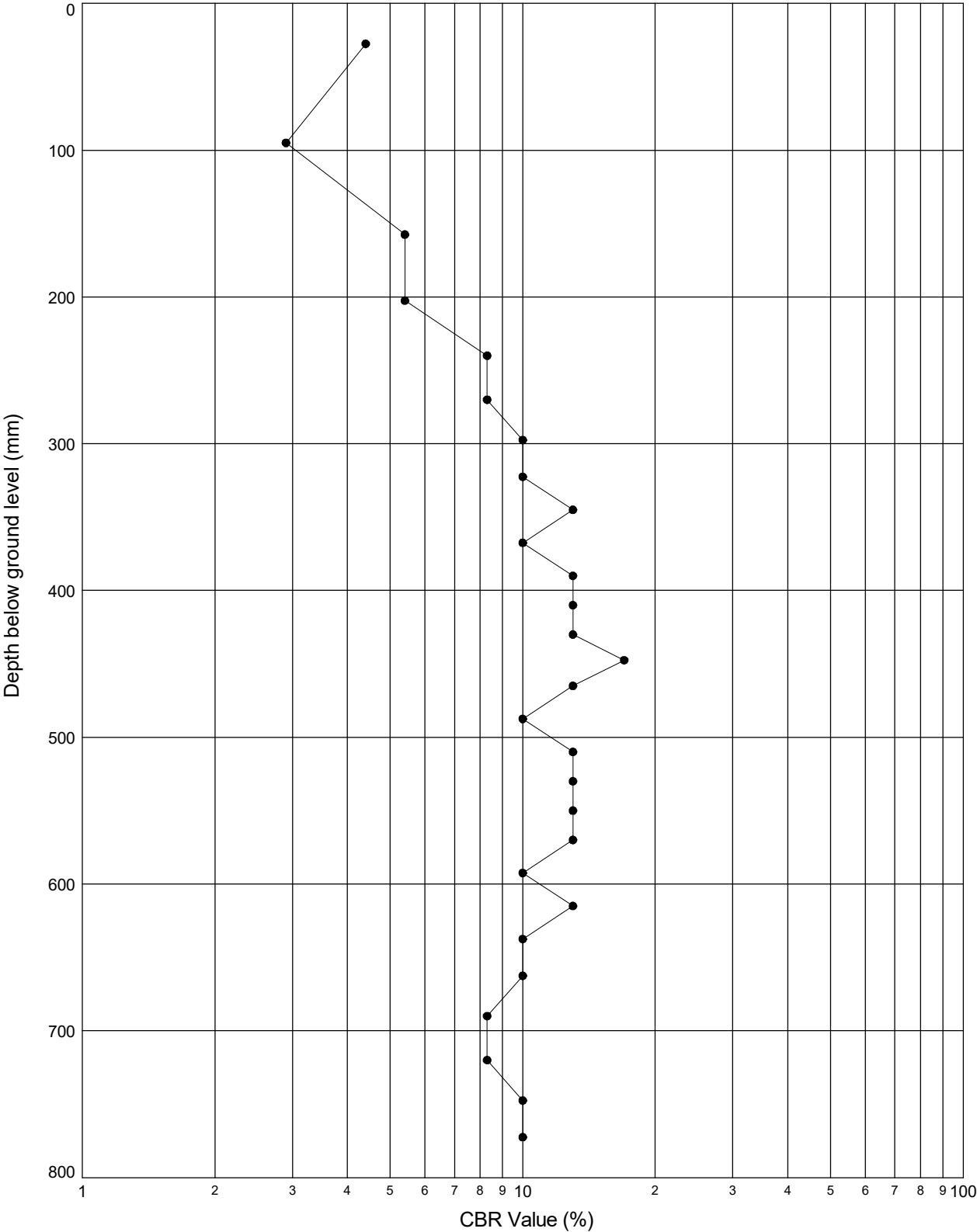


Anerley Court Half Moon Lane Hildenborough Tonbridge Kent, TN11 9HU	Test Supervisor	Date	Checked By	Date	Contract Ref: 52744
		29/05/25			
	Contract Scamps Hill, Lindfield				

DCP TEST RESULTS - DEPTH vs CBR VALUE

Position Ref : DCP06 Test Date : 29.05.25 Test Number : 1

Ground Level: --- Co-ordinates: ---



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.

Anerley Court
Half Moon Lane
Hildenborough
Tonbridge
Kent, TN11 9HU

Test Supervisor	Date	Checked By	Date
	29/05/25		
Contract	Contract Ref:		
Scamps Hill, Lindfield	52744		

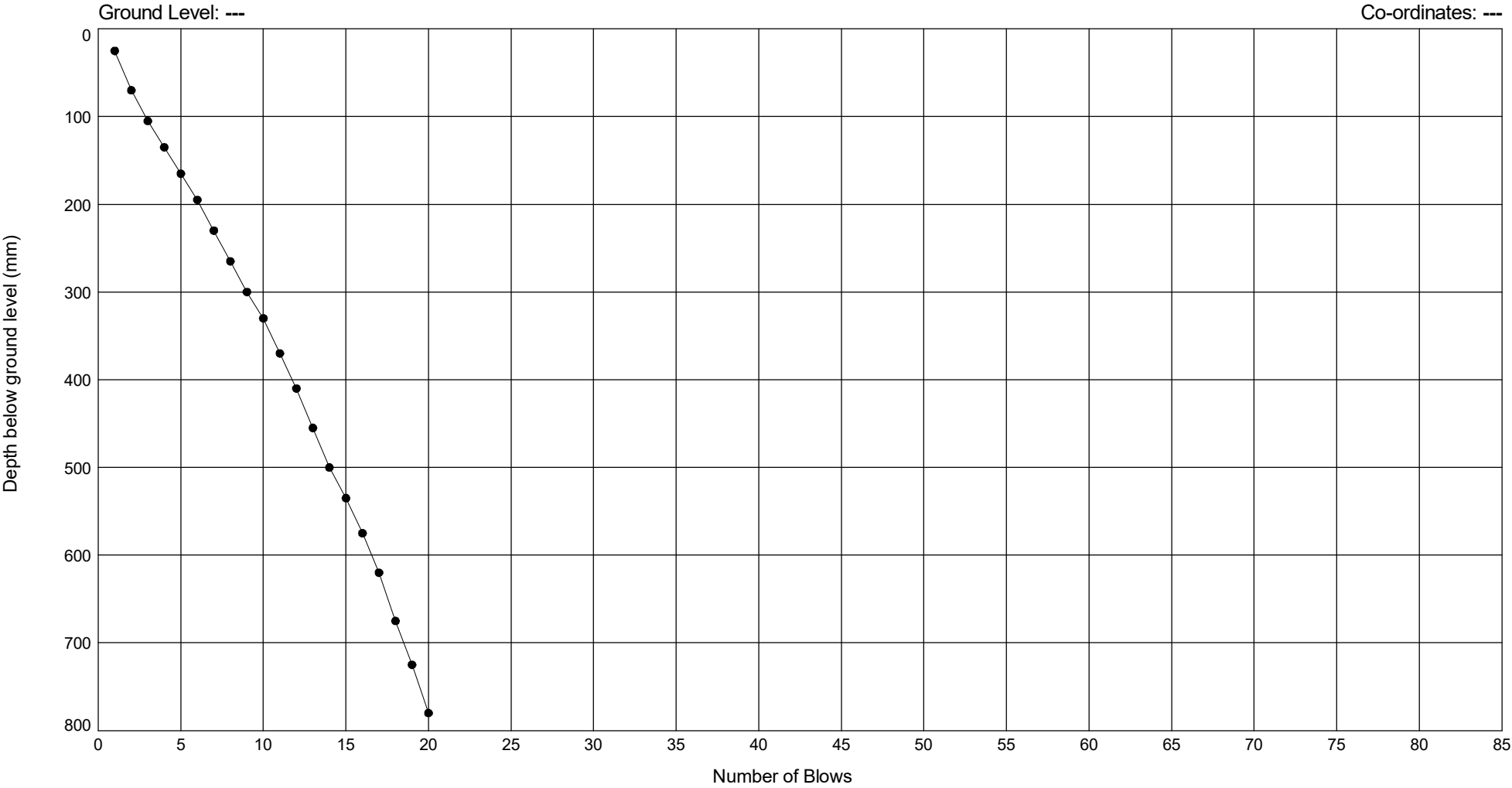
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Ref : **DCP07**

Test Date : **29.05.25**

Test Number : **1**

Co-ordinates: ---

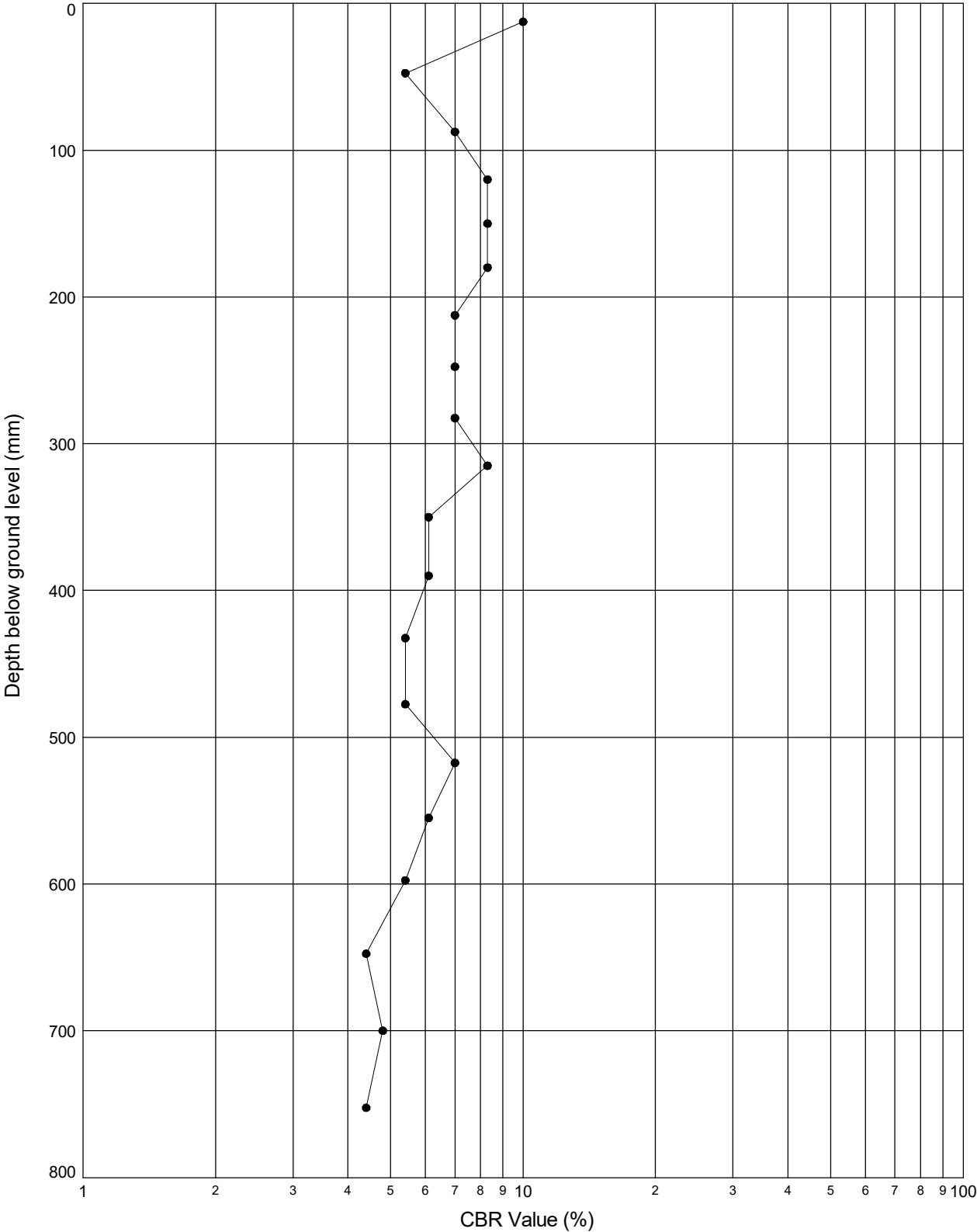


Anerley Court Half Moon Lane Hildenborough Tonbridge Kent, TN11 9HU	Test Supervisor	Date	Checked By	Date	Contract Ref: 52744
		29/05/25			
	Contract Scamps Hill, Lindfield				

DCP TEST RESULTS - DEPTH vs CBR VALUE

Position Ref : DCP07 Test Date : 29.05.25 Test Number : 1

Ground Level: --- Co-ordinates: ---



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.

Anerley Court Half Moon Lane Hildenborough Tonbridge Kent, TN11 9HU	Test Supervisor	Date	Checked By	Date
		29/05/25		
	Contract Scamps Hill, Lindfield		Contract Ref: 52744	

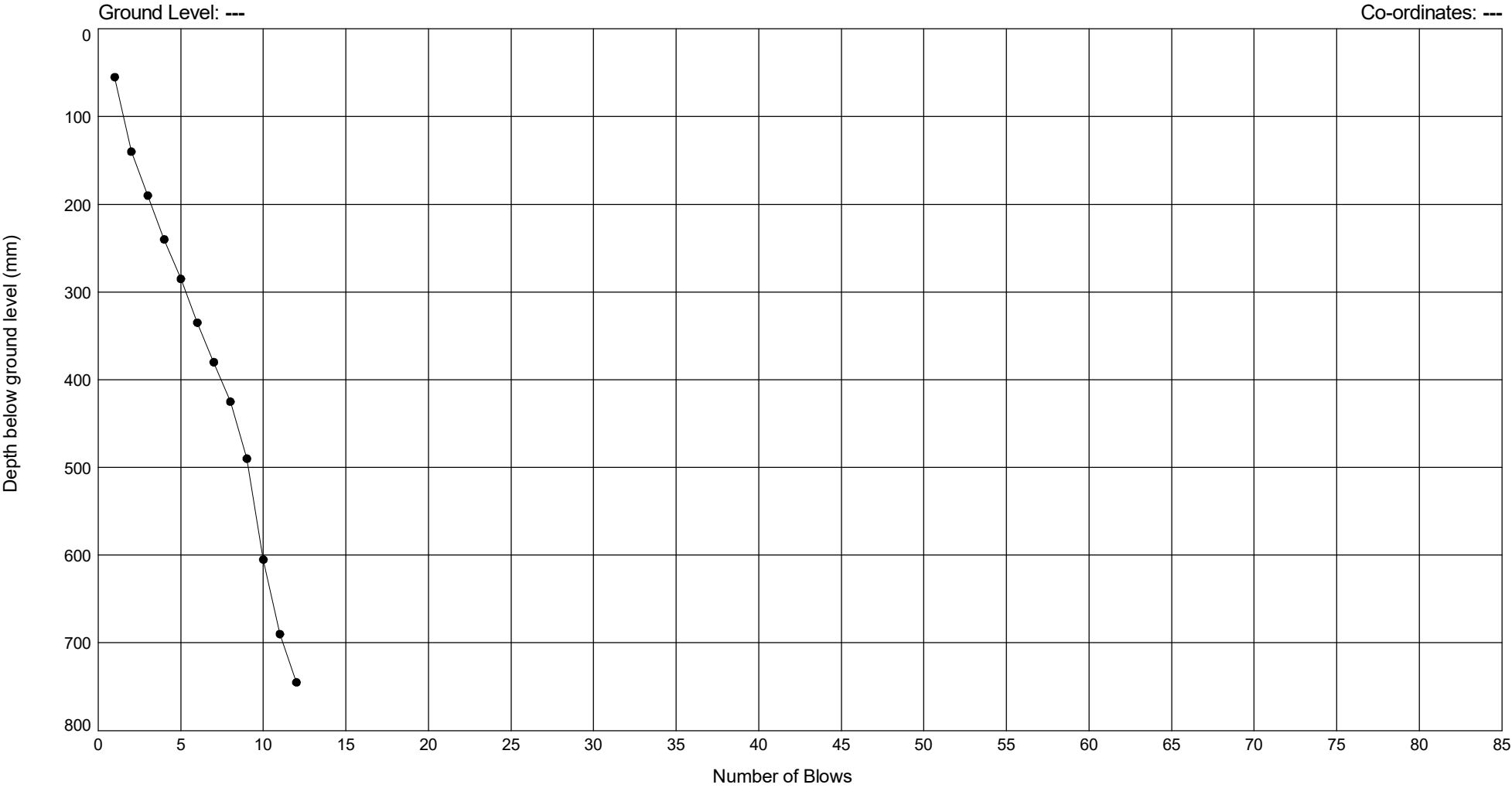
DCP TEST RESULTS - DEPTH vs NUMBER OF BLOWS

Position Ref : **DCP08**

Test Date : **30.05.25**

Test Number : **1**

Co-ordinates: ---

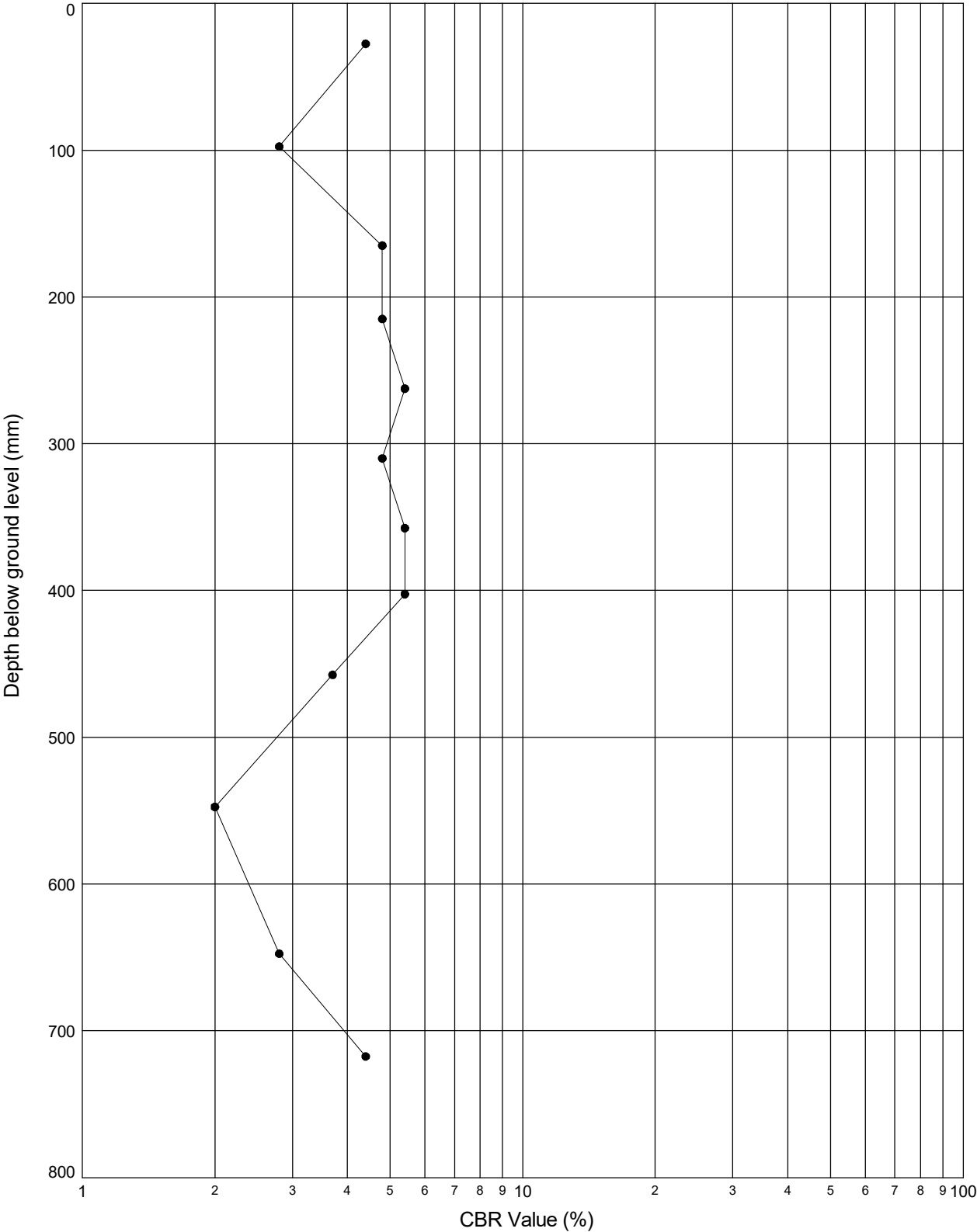


Anerley Court Half Moon Lane Hildenborough Tonbridge Kent, TN11 9HU	Test Supervisor	Date	Checked By	Date	Contract Ref: 52744
		30/05/25			
	Contract Scamps Hill, Lindfield				

DCP TEST RESULTS - DEPTH vs CBR VALUE

Position Ref : DCP08 Test Date : 30.05.25 Test Number : 1

Ground Level: --- Co-ordinates: ---



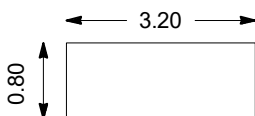
Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.

Anerley Court Half Moon Lane Hildenborough Tonbridge Kent, TN11 9HU	Test Supervisor	Date	Checked By	Date
		30/05/25		
	Contract Scamps Hill, Lindfield		Contract Ref: 52744	

Contract: Scamps Hill, Lindfield			Client: Gladman Developments			Trial Pit: TP01	
Contract Ref: 52744		Start: 20.05.25 End: 20.05.25	Ground Level: 35.69		National Grid Co-ordinate: E:535330.2 N:124813.3		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.10-0.30	1	ES				Creamy brown slightly sandy SILT with frequent fine rootlets. Sand is fine to medium. (TOPSOIL)		(0.50)	
							35.19	0.50	
1.20-1.40	2	D				Light grey mottled orange and brown slightly gravelly sandy CLAY. (TUNBRIDGE WELLS SAND FORMATION)		(1.50)	
2.20-2.40	3	D				Light grey mottled orange slightly sandy slightly gravelly SILT. Gravel is fine to coarse subrounded to subangular light grey siltstone. (TUNBRIDGE WELLS SAND FORMATION)		(0.95)	
2.50		V	$c_u=86$						
2.80-2.95	4	D							
						... Ground water strike. Rose to 2.8 after 15mins	32.74	2.95	

Plan (Not to Scale)



General Remarks

1. Position checked with Ground Penetrating Radar, CAT and Genny prior to excavation.
2. Groundwater encountered as a strike at 2.95m bgl and rose to 2.8m bgl after 15 mins.
3. Trial pit refused upon hard ground at 2.95m bgl.
4. Ease of trial pit excavation: difficult.
5. Trial pit backfilled with arisings in reverse order upon completion.

All dimensions in metres

Scale: **1:25**

Method Used:

Hand dug

Plant Used:

Unknown

Logged By:

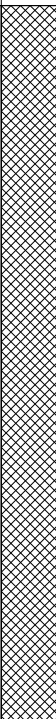
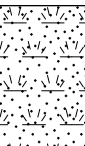
Becky Drewett

Checked By:



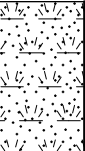
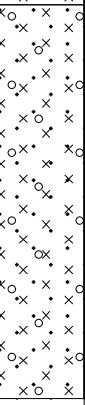
TRIAL PIT LOG

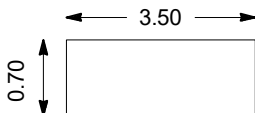
Contract:		Client:		Trial Pit:
Scamps Hill, Lindfield		Gladman Developments		TP02
Contract Ref:	Start: 20.05.25	Ground Level:	National Grid Co-ordinate:	Sheet:
52744	End: 20.05.25	38.73	E:535241.6 N:124902.3	1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.30-0.50	1	ES				Brown slightly gravelly sandy SILT with frequent fine rootlets. Gravel is fine to coarse subrounded to subangular flint. (TOPSOIL)	38.23	(0.50)	
1.00-1.20	1	D				Creamy brown gravelly slightly sandy SILT. Gravel is fine to coarse subrounded to subangular siltstone. Sand is fine to medium. (TUNBRIDGE WELLS SAND FORMATION)	36.33	(1.90)	
2.00-2.20	2	D							
2.20-2.40	3	D							
			</						

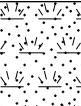
Plan (Not to Scale)		General Remarks - Position checked with Ground Penetrating Radar, CAT and Genny prior to excavation. - No groundwater encountered. - Trial pit refused upon hard ground at 2.40m bgl. - Ease of trial pit excavation: difficult. - Trial pit backfilled with arisings in reverse order upon completion.	
		All dimensions in metres Scale: 1:25	
Method Used: Machine dug	Plant Used: Tracked excavator+ Dynamic cone	Logged By: Becky Drewett	Checked By:

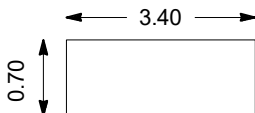
Contract: Scamps Hill, Lindfield			Client: Gladman Developments			Trial Pit: TP03			
Contract Ref: 52744		Start: 20.05.25 End: 20.05.25	Ground Level: 36.29		National Grid Co-ordinate: E:535234.0 N:124959.2			Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.20-0.40	1	ES				Creamy brown slightly sandy SILT with frequent fine rootlets. Sand is fine to medium. (TOPSOIL)	35.79	(0.50)	
0.80-1.00	2	D				Light brown mottled orange slightly gravelly sandy silty CLAY. Gravel is fine to coarse subrounded to subangular sandstone. Sand is fine to medium. (TUNBRIDGE WELLS SAND FORMATION) ... Becomes firm	34.89	(0.90)	
1.80-2.00	3	D				Light grey mottled orange slightly sandy gravelly SILT. Gravel is fine to coarse subrounded to subangular light grey siltstone. Cobbles are fine to medium subrounded to subangular iron stained siltstone and sandstone. (TUNBRIDGE WELLS SAND FORMATION)		(1.30)	
2.50-2.70	4	B					33.59	2.70	

Plan (Not to Scale)			General Remarks					
			1. Position checked with Ground Penetrating Radar, CAT and Genny prior to excavation. 2. No groundwater encountered. 3. Trial pit refused upon hard ground at 2.70m bgl. 4. Ease of trial pit excavation: difficult. 5. Trial pit backfilled with arisings in reverse order upon completion.					
			All dimensions in metres			Scale: 1:25		
Method Used: Hand dug	Plant Used: Unknown+ Dynamic cone penetrometer	Logged By: Becky Drewett	Checked By: AGS					

Contract: Scamps Hill, Lindfield			Client: Gladman Developments			Trial Pit: TP04			
Contract Ref: 52744		Start: 20.05.25 End: 20.05.25	Ground Level: 40.52		National Grid Co-ordinate: E:535200.8 N:124836.1			Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.20-0.40	1	ES				Creamy brown slightly sandy SILT with frequent fine rootlets. Sand is fine to medium (TOPSOIL)	40.12	(0.40)	
						Light grey mottled orange sandy SILT. Sand is fine to medium. (TUNBRIDGE WELLS SAND FORMATION)	39.77	(0.35)	
0.80-1.00	1	D				Creamish brown slightly silty gravelly SAND. Gravel is fine to coarse subrounded to subangular siltstone. Cobbles are rare fine to coarse subrounded to subangular siltstone and sandstone. Sand is fine to coarse. (TUNBRIDGE WELLS SAND FORMATION)		(1.15)	
1.75-1.90	2	D					38.62	1.90	

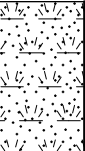
Plan (Not to Scale) 			General Remarks 1. Position checked with Ground Penetrating Radar, CAT and Genny prior to excavation. 2. No groundwater encountered. 3. Trial pit refused upon hard ground at 1.90m bgl. 4. Ease of trial pit excavation: difficult. 5. Trial pit backfilled with arisings in reverse order upon completion.		
Method Used: Machine dug			Plant Used: Tracked excavator		
Logged By: Becky Drewett			Checked By: AGS		
All dimensions in metres			Scale: 1:25		

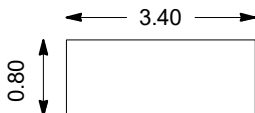
Contract:		Client:		Trial Pit:
Scamps Hill, Lindfield		Gladman Developments		TP05
Contract Ref:	Start: 20.05.25	Ground Level:	National Grid Co-ordinate:	Sheet:
52744	End: 20.05.25	38.93	E:535130.0 N:124843.2	1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.10-0.30	1	ES				Brown slightly gravelly slightly sandy SILT with frequent fine rootlets. Gravel is fine to coarse subrounded to subangular flint. Sand is fine to medium. (TOPSOIL)	38.33	(0.60)	
1.30-1.50	1	D				Light grey mottled orange slightly gravelly very silty SAND. Gravel is fine to coarse subrounded to subangular iron stained siltstone and sandstone. (TUNBRIDGE WELLS SAND FORMATION)	36.43	(1.90)	
2.50-2.75	2	D				Cream brown slightly silty gravelly SAND. Gravel is fine to coarse subrounded to subangular siltstone and sandstone. (TUNBRIDGE WELLS SAND FORMATION)		(0.50)	
2.75-3.00	1	B					35.93	3.00	

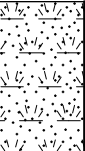
Plan (Not to Scale) Diagram showing a rectangular trial pit with a width of 3.60m and a depth of 0.75m.		General Remarks - Position checked with Ground Penetrating Radar, CAT and Genny prior to excavation. - No groundwater encountered. - Trial pit refused upon hard ground at 3.00m bgl. - Ease of trial pit excavation: moderate to difficult. - Trial pit backfilled with arisings in reverse order upon completion.	
		All dimensions in metres	Scale: 1:25
Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: Becky Drewett	Checked By:

Contract: Scamps Hill, Lindfield			Client: Gladman Developments			Trial Pit: TP07			
Contract Ref: 52744		Start: 20.05.25 End: 20.05.25	Ground Level: 32.80		National Grid Co-ordinate: E:535151.5 N:124953.4			Sheet: 1 of 1	

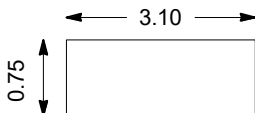
Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.20-0.40	1	ES				Brown sandy SILT with frequent fine rootlets. Sand is fine to medium. (TOPSOIL)	32.30	(0.50)	
1.50-1.70	1	D				Creamy brown sandy slightly gravelly SILT with pockets of light grey mottled orange slightly sandy SILT. Gravel is fine to coarse subrounded to subangular siltstone and sandstone. (TUNBRIDGE WELLS SAND FORMATION)		(1.70)	
1.70-2.20	2	B					30.60	2.20	

Plan (Not to Scale) 			General Remarks 1. Position checked with Ground Penetrating Radar, CAT and Genny prior to excavation. 2. No groundwater encountered. 3. Trial pit refused upon hard ground at 2.20m bgl. 4. Ease of trial pit excavation: difficult. 5. Trial pit backfilled with arisings in reverse order upon completion.		
Method Used: Machine dug			Plant Used: Tracked excavator+ Dynamic cone		
Logged By: Becky Drewett			Checked By: AGS		

Contract: Scamps Hill, Lindfield		Client: Gladman Developments		Trial Pit: TP08
Contract Ref: 52744	Start: 20.05.25 End: 20.05.25	Ground Level: 32.45	National Grid Co-ordinate: E:535087.0 N:124923.2	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.20-0.40	1	ES				Brown slightly gravelly sandy SILT with frequent fine rootlets. Gravel is fine to coarse subrounded to subangular flint. (TOPSOIL)	31.95	(0.50)	
1.10-1.30	1	D				Brown mottled orange and grey slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is fine to coarse subrounded to subangular siltstone and sandstone. (TUNBRIDGE WELLS SAND FORMATION)		(2.60)	
2.20-2.40 2.30	2	D V	$c_u=9/5$						
2.90-3.00	3	D					29.35	3.10	

Plan (Not to Scale)



General Remarks

1. Position checked with Ground Penetrating Radar, CAT and Genny prior to excavation.
2. No groundwater encountered.
3. Trial pit refused upon hard ground at 3.10m bgl.
4. Ease of trial pit excavation: moderate to difficult.
5. Trial pit backfilled with arisings in reverse order upon completion.

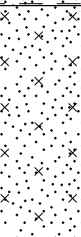
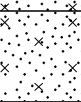
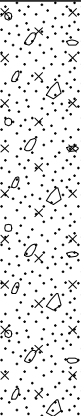
All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: Tracked excavator+ Dynamic cone	Logged By: Becky Drewett	Checked By:	
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WINDOW SAMPLE LOG

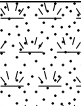
Contract: Scamps Hill, Lindfield			Client: Gladman Developments		Window Sample: WS01
Contract Ref: 52744	Start: 22.05.25 End: 22.05.25	Ground Level: 39.95	National Grid Co-ordinate: E:535247.2 N:124798.7		Sheet: 1 of 1

Progress	Samples / Tests				Water Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Window Run	Depth	No	Type	Results					
	0.10-0.30	1	ES			Brown silty SAND with frequent fine rootlets. Sand is fine to medium. (TOPSOIL)	39.55	(0.40)	
	0.80-1.00	1	D			Light orangish brown silty SAND. Sand is fine to medium. (TUNBRIDGE WELLS SAND FORMATION)	38.75	(0.80)	
	1.20-1.65	1	SPT	N=31		Dense light orangish brown silty SAND with light grey and light orange lenses of silty SAND. Sand is fine to medium. (TUNBRIDGE WELLS SAND FORMATION)	38.45	(0.30)	
	1.70-1.90	2	D			Dense becoming very dense with depth light grey and light orange gravelly slightly silty SAND. Gravel is fine to coarse subrounded to subangular iron stained sandstone. (TUNBRIDGE WELLS SAND FORMATION)			
	2.00-2.45	2	SPT	N=37		... Becomes slightly gravelly. Gravel is fine to medium subrounded to subangular weak sandstone. No ironstaining.		(1.38)	
	2.30-2.50	3	D						
	2.50-2.88	3	SPT	10,13/16,21,28 for 75mm			37.07	2.88	

Drilling Progress and Water Observations						General Remarks			
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)	- Position checked with Ground Penetrating Radar, CAT and Genny prior to excavation. - Inspection pit hand dug to 1.20m depth. - No groundwater encountered. - Borehole refused on a SPT at 2.88m bgl. 35mm diameter gas/groundwater upstanding monitoring well installed to 2.88m depth on completion. Response zone 0.88m to 2.88m depth.			
Method Used: Inspection pit + Tracked window sampling						All dimensions in metres		Scale: 1:25	
Plant Used: Unknown+ Dynamic cone penetrometer						Drilled By: BDrewett	Logged By: Becky Drewett	Checked By:	

WINDOW SAMPLE LOG

Contract: Scamps Hill, Lindfield			Client: Gladman Developments		Window Sample: WS02
Contract Ref: 52744	Start: 22.05.25 End: 22.05.25	Ground Level: 35.55	National Grid Co-ordinate: E:535313.7 N:124882.6		Sheet: 1 of 1

Progress	Samples / Tests				Water Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Window Run	Depth	No	Type	Results					
	0.20-0.40	1	ES			Brown silty SAND with frequent fine rootlets. Sand is fine to medium. (TOPSOIL)	35.15	0.40	
	0.60-0.80	1	D			Light greyish brown mottled orange slightly gravelly sandy silty CLAY. Sand is fine to medium. (TUNBRIDGE WELLS SAND FORMATION)		(0.80)	
	1.20-1.65	1	SPT	N=28		Stiff becoming hard with depth grey mottled orange sandy slightly gravelly SILT. Sand is fine to medium. Gravel is fine to coarse subrounded to subangular weak sandstone and siltstone. (TUNBRIDGE WELLS SAND FORMATION)	34.35	1.20	
	1.80-2.00	2	D					(1.25)	
	2.00-2.45	2	SPT	N=124			33.10	2.45	

Drilling Progress and Water Observations						General Remarks			
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)	- Position checked with Ground Penetrating Radar, CAT and Genny prior to excavation. - Inspection pit hand dug to 1.20m depth. - No groundwater encountered. - Borehole refused on a SPT at 2.45m bgl. 35mm diameter gas/groundwater upstanding monitoring well installed to 2.45m depth on completion. Response zone 0.45m to 2.45m depth.			
						All dimensions in metres		Scale:	1:25
Method Used:	Inspection pit + Tracked window sampling			Plant Used:	Unknown	Drilled By:	Oakland SI	Logged By:	Becky Drewett
						Checked By:			

WINDOW SAMPLE LOG

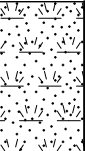
Contract: Scamps Hill, Lindfield			Client: Gladman Developments		Window Sample: WS03
Contract Ref: 52744	Start: 22.05.25 End: 22.05.25	Ground Level: 37.25	National Grid Co-ordinate: E:535272.4 N:124934.2		Sheet: 1 of 1

Progress	Samples / Tests				Water Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Window Run	Depth	No	Type	Results					
	0.10-0.30	1	ES			Brown silty SAND with frequent fine rootlets. Sand is fine to medium. (TOPSOIL)	36.95	(0.30)	
						Light grey mottled light orange silty SAND. Sand is fine to medium. (TUNBRIDGE WELLS SAND FORMATION)		(0.90)	
	0.80-1.00	2	ES						
	0.90-1.10	1	D						
							36.05	1.20	
	1.20-1.65	1	SPT	N=39		Very stiff becoming hard with depth light grey mottled light orange slightly gravelly sandy SILT. Gravel is fine to coarse subrounded to subangular weak siltstone. Sand is fine to medium. (TUNBRIDGE WELLS SAND FORMATION)		(1.18)	
	1.80-2.00	2	D						
	2.00-2.38	2	SPT	12,18/24,35,56 for 75mm			34.87	2.38	

Drilling Progress and Water Observations						General Remarks			
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)	- Position checked with Ground Penetrating Radar, CAT and Genny prior to excavation. - Inspection pit hand dug to 1.20m depth. - No groundwater encountered. - Borehole refused on a SPT at 2.38m bgl. 35mm diameter gas/groundwater upstanding monitoring well installed to 2.38m depth on completion. Response zone 0.38m to 2.38m depth.			
						All dimensions in metres		Scale:	1:25
Method Used:	Inspection pit + Tracked window sampling			Plant Used:	Unknown	Drilled By:	Oakland SI	Logged By:	Becky Drewett
						Checked By:			

WINDOW SAMPLE LOG

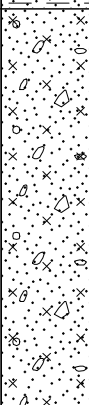
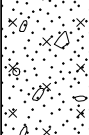
Contract: Scamps Hill, Lindfield			Client: Gladman Developments			Window Sample: WS04			
Contract Ref: 52744		Start: 22.05.25 End: 22.05.25	Ground Level: 36.71		National Grid Co-ordinate: E:535202.4 N:124932.1			Sheet: 1 of 1	

Progress	Samples / Tests				Water Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Window Run	Depth	No	Type	Results					
	0.10-0.30	1	ES			Brown slightly gravelly silty SAND with frequent fine rootlets. Gravel is fine to coarse subrounded to subangular flint. (TOPSOIL)	36.21	0.50	
	0.80-1.00	1	D			Very stiff becoming hard with depth light brownish grey mottled orange slightly gravelly sandy silty CLAY. Sand is fine to medium. (TUNBRIDGE WELLS SAND FORMATION)			
	1.20-1.65	1	SPT	N=32				(1.95)	
	1.70-1.90	2	D						
	2.00-2.45	2	SPT	N=121			34.26	2.45	

Drilling Progress and Water Observations						General Remarks		
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)	1. Position checked with Ground Penetrating Radar, CAT and Genny prior to excavation. 2. Inspection pit hand dug to 1.20m depth. 3. No groundwater encountered. 4. Borehole refused on a SPT at 2.45m bgl. 5. 35mm diameter gas/groundwater upstanding monitoring well installed to 2.45m depth on completion. Response zone 0.45m to 2.45m depth.		
						All dimensions in metres		Scale: 1:25
Method Used:	Inspection pit + Tracked window sampling			Plant Used:	Unknown		Drilled By: Oakland SI	Logged By: Becky Drewett Checked By: 

WINDOW SAMPLE LOG

Contract: Scamps Hill, Lindfield			Client: Gladman Developments		Window Sample: WS05
Contract Ref: 52744	Start: 22.05.25 End: 22.05.25	Ground Level: 39.49	National Grid Co-ordinate: E:535209.2 N:124871.2		Sheet: 1 of 1

Progress	Samples / Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Window Run	Depth	No	Type	Results						
	0.10-0.30	1	ES				Brown silty SAND with frequent fine rootlets. Sand is fine to medium. (TOPSOIL)	39.19	0.30	
	0.70-0.90	1	D				Very dense light grey slightly gravelly slightly silty SAND. Gravel is fine to coarse subrounded to subangular siltstone. (TUNBRIDGE WELLS SAND FORMATION)		(1.35)	
	1.20-1.65	1	SPT	N=79			... Orange lenses	37.84	1.65	

Drilling Progress and Water Observations						General Remarks			
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)	1. Position checked with Ground Penetrating Radar, CAT and Genny prior to excavation. 2. Inspection pit hand dug to 1.20m depth. 3. No groundwater encountered. 4. Borehole refused on a SPT at 1.65m bgl. 5. 35mm diameter gas/groundwater upstanding monitoring well installed to 1.65m depth on completion. Response zone 0.65m to 1.65m depth.			
						All dimensions in metres		Scale:	1:25
Method Used:	Inspection pit + Tracked window sampling			Plant Used:	Unknown+ Dynamic cone penetrometer		Drilled By:	BDrewett	Logged By: Becky Drewett Checked By: 

WINDOW SAMPLE LOG

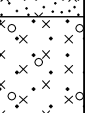
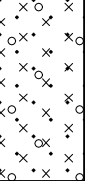
Contract: Scamps Hill, Lindfield			Client: Gladman Developments			Window Sample: WS06			
Contract Ref: 52744		Start: 22.05.25 End: 22.05.25	Ground Level: 40.95		National Grid Co-ordinate: E:535167.7 N:124818.4			Sheet: 1 of 1	

Progress	Samples / Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Window Run	Depth	No	Type	Results						
	0.10-0.30	1	ES				Light creamish brown silty SAND with frequent fine rootlets. Sand is fine to medium. (TOPSOIL)	40.65	(0.30)	
	0.40-0.60	1	D				Very dense light creamish brown gravelly slightly silty SAND. Gravel is fine to coarse subrounded to subangular sandstone and siltstone. (TUNBRIDGE WELLS SAND FORMATION)		0.30	
	1.00-1.45	1	SPT	N=80					(1.15)	
								39.50	1.45	

Drilling Progress and Water Observations						General Remarks		
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)			
						1. Position checked with Ground Penetrating Radar, CAT and Genny prior to excavation. 2. Inspection pit hand dug to 1.00m depth. 3. No groundwater encountered. 4. Borehole refused on a SPT at 1.45m bgl. 5. 35mm diameter gas/groundwater upstanding monitoring well installed to 1.45m depth on completion. Response zone 0.45m to 1.45m depth.		
						All dimensions in metres	Scale:	1:25
Method Used:	Inspection pit + Tracked window sampling		Plant Used:	Unknown+ Dynamic cone penetrometer		Drilled By:	BDrewett	Logged By: Becky Drewett Checked By: 

WINDOW SAMPLE LOG

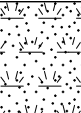
Contract: Scamps Hill, Lindfield			Client: Gladman Developments		Window Sample: WS07
Contract Ref: 52744	Start: 22.05.25 End: 22.05.25	Ground Level: 36.90	National Grid Co-ordinate: E:535150.9 N:124874.7		Sheet: 1 of 1

Progress	Samples / Tests				Water Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Window Run	Depth	No	Type	Results					
	0.20-0.40	1	ES			Brown silty SAND with frequent fine rootlets. Sand is fine to medium. (TOPSOIL)	36.50	0.40	
	0.60-0.80	1	D			Brown mottled orange and grey slightly gravelly sandy silty CLAY. Gravel is fine to coarse subrounded to subangular siltstone. (TUNBRIDGE WELLS SAND FORMATION)	35.90	1.00	
	1.20-1.65	1	SPT	N=26		Stiff light brown mottled light grey and light orange slightly gravelly sandy SILT with light grey and orange lenses of sandy SILT. Gravel is fine to coarse subrounded to subangular siltstone. Sand is fine to medium. (TUNBRIDGE WELLS SAND FORMATION)		(1.00)	
	1.60-1.80	2	D			. . . At 1.50 to 1.70m bgl: frequent fine black speckles in light brown mottled light grey and light orange material	34.90	2.00	
	2.00-2.45	2	SPT	N=32		Very stiff light brown mottled yellow and light grey sandy SILT. (TUNBRIDGE WELLS SAND FORMATION)	34.50	2.40	
	2.80-3.00	3	D			Dense orange mottled black silty SAND. Sand is fine to medium. (TUNBRIDGE WELLS SAND FORMATION)	34.40	2.50	
	3.00-3.45	3	SPT	N=79		Hard light grey mottled Light orange slightly gravelly sandy SILT. Gravel is fine to coarse subrounded to subangular siltstone. Sand is fine to medium. (TUNBRIDGE WELLS SAND FORMATION)	33.45	3.45	

Drilling Progress and Water Observations						General Remarks			
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)	- Position checked with Ground Penetrating Radar, CAT and Genny prior to excavation. - Inspection pit hand dug to 1.20m depth. - No groundwater encountered. - Borehole refused on a SPT at 3.45m bgl. 35mm diameter gas/groundwater upstanding monitoring well installed to 3.45m depth on completion. Response zone 0.45m to 3.45m depth.			
						All dimensions in metres		Scale:	1:25
Method Used:	Inspection pit + Tracked window sampling			Plant Used:	Unknown+ Dynamic cone penetrometer		Drilled By:	BDrewett	Logged By: Becky Drewett Checked By: 

WINDOW SAMPLE LOG

Contract: Scamps Hill, Lindfield			Client: Gladman Developments		Window Sample: WS08
Contract Ref: 52744	Start: 22.05.25 End: 22.05.25	Ground Level: 34.26	National Grid Co-ordinate: E:535083.4 N:124878.8		Sheet: 1 of 1

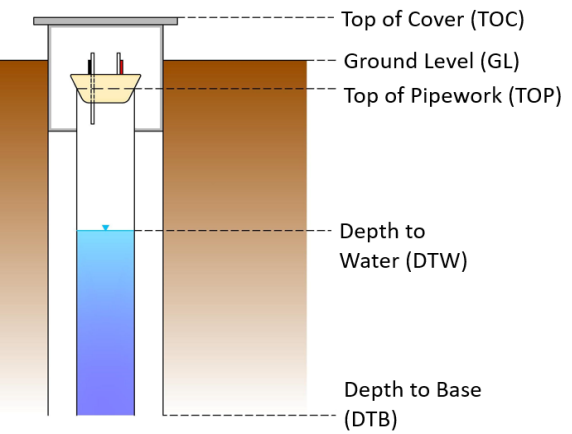
Progress	Samples / Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Window Run	Depth	No	Type	Results						
	0.20-0.40	1	ES				Brown very silty SAND with frequent fine rootlets. Sand is fine to medium. (TOPSOIL)	33.86	0.40	
	0.70-0.90	1	D				Orange mottled grey slightly gravelly sandy CLAY. Sand is fine to medium. (TUNBRIDGE WELLS SAND FORMATION)			
	1.20-1.65	1	SPT	N=19			... At 1.20m bgl becomes very stiff		(1.60)	
	1.60-1.80	2	D							
	2.00-2.45	2	SPT	N=35				32.26	2.00	
	2.40-2.60	3	D				Very stiff cream brown gravelly sandy SILT. Gravel is fine to coarse subrounded to subangular weak siltstone and sandstone. Sand is fine to medium. (TUNBRIDGE WELLS SAND FORMATION)			
	3.00-3.45	3	SPT	N=29			... At 3.00m bgl becomes stiff		(2.38)	
	3.80-3.90	4	D							
	4.00-4.38	4	SPT	4,4/6,12,50 for 75mm			... At 4.00m bgl becomes hard	29.88	4.38	

Drilling Progress and Water Observations						General Remarks			
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)	- Position checked with Ground Penetrating Radar, CAT and Genny prior to excavation. - Inspection pit hand dug to 1.20m depth. - Groundwater encountered at 3.00m depth and rose to 0.94m bgl after 12 mins - Borehole refused on a SPT at 4.38m bgl. 35mm diameter gas/groundwater upstanding monitoring well installed to 4.38m depth on completion. Response zone 0.88m to 4.38m depth.			
						All dimensions in metres		Scale:	1:25
Method Used:	Inspection pit + Tracked window sampling			Plant Used:	Unknown	Drilled By:	Oakland SI	Logged By:	Becky Drewett
								Checked By:	

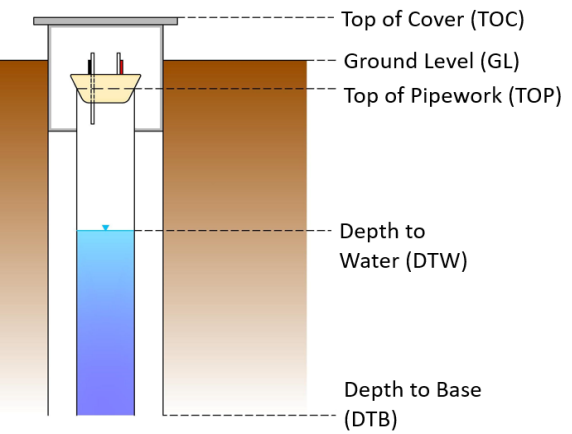
Appendix I

FIELD MONITORING DATA

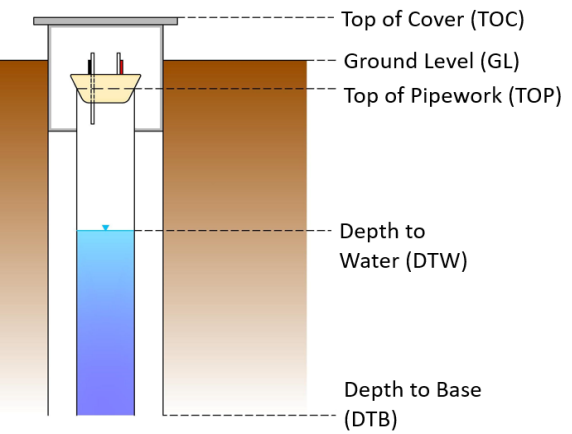
GAS MONITORING FIELD SHEET

Monitoring Date:	03/07/2025	Measurement datum: TOC / GL / TOP / Other	GL	Offset to GL (m):	0						
Pre-Testing Remarks:		Air Temperature:		24		Device:		GA5000			
		Weather:		Sunny		Serial Number:		1			
		Ground Conditions:		Dry		Daily Check:		Yes			
		Wind: NONE / LIGHT / MEDIUM / STRONG				Light					
		Tidal State: (if applicable) High / Low / Rising / Falling				NA					
Exploratory Position ID:		WS01		Monitoring Round Number:		?		Test Number:		1	
Install Type: SINGLE / DOUBLE		Single		Pipe Ref: 1) Shallow 2) Deep		Shallow		Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		25	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Double				
Time Start (hh:mm)	11:00	11:00	1024	-0.05	Observations (e.g. on-site activities):						
Time End (hh:mm)	11:03	11:10									
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)		
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)									
0	0	0	0.1	0.1	20.9	0	0		0		
5	0.1	15	0.1	1.3	19.9	0	0		0		
10	0.1	30	0.1	1.3	19.9	0	0		0		
15	0.1	60	0.1	1.3	19.9	0	0				
20	0.1	90	0	1.3	19.9	0	0				
25	0.1	120	0	1.3	19.9	0	0				
30	0.1	180									
40	0.1	240									
50	0.1	300									
60	0.1	360									
90		420									
120		480									
150		540									
180		600									
Stage 1 gas flow - Peak (l/h)	0.1		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.								
Stage 1 gas flow - Steady State (l/h)	0.1										
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:		11:00:00		LNAPL Top (from datum) (m):			
	Depth (from datum) to well base (DTB): (m)		2.95	Purge Start:				DNAPL Top (from datum) (m):			
	Hole Purged: Yes / No		No	Purge End:				Water Observations:			
	Purge Volume: (ltrs)			Post-Purge (DTW) (m)							
			Post testing remarks:		Samples Taken: Yes / No		No				
					Sample Media: Gas/Water		N/A				
					Gas Cannister Start (mb)						
					Gas Cannister End (mb)						
					Gas Cannister Duration (mins)						
					Depth (from datum)	Sample Ref	Type (EW / G)	Container			
		Contract Name:		Lindfield		Data Collected By:		Josh Curnow			
		Project Manager / Engineer:				Checked:					
		Contract Ref:		52744		Page number:					
TPF210 Issue 6											

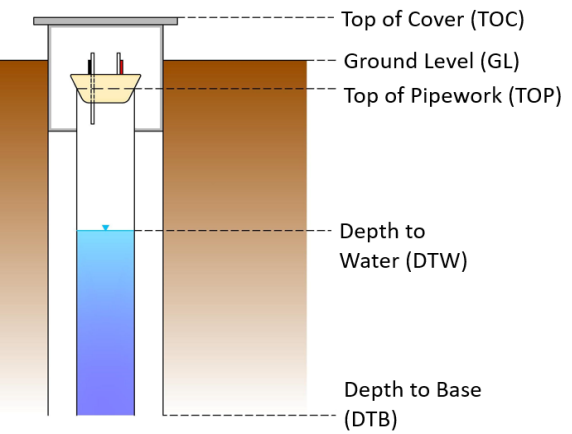
GAS MONITORING FIELD SHEET

Monitoring Date:	03/07/2025	Measurement datum: TOC / GL / TOP / Other	GL	Offset to GL (m):	0				
Pre-Testing Remarks:			Air Temperature: °C		24		Device:		GA5000
			Weather:		Sunny		Serial Number:		1
			Ground Conditions:		Dry		Daily Check:		Yes
			Wind: NONE / LIGHT / MEDIUM / STRONG		Light				
			Tidal State: (if applicable) High / Low / Rising / Falling		NA				
Exploratory Position ID:		WS02	Monitoring Round Number:		?		Test Number:		1
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow		Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		25
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Double		
Time Start (hh:mm)	13:03	13:03	1025	0.11	Observations (e.g. on-site activities):				
Time End (hh:mm)	13:06	13:13							
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0	0	0	0	19.7	0	0		0
5	0	15	0	0.8	19.7	0	0		0
10	0	30	0	0.8	19.2	0	0		0
15	0	60	0	0.9	19.2	0	0		
20	0	90	0	0.9	19.2	0	1		
25	0	120	0	0.9	19.2	0	1		
30	0	180							
40	0	240							
50	0	300							
60	0	360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)	0		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)	0								
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		2.14	Time:		13:03:00	LNAPL Top (from datum) (m):		
	Depth (from datum) to well base (DTB): (m)		2.2	Purge Start:			DNAPL Top (from datum) (m):		
	Hole Purged: Yes / No		No	Purge End:			Water Observations:		
	Purge Volume: (ltrs)			Post-Purge (DTW) (m)					
			Post testing remarks:		Samples Taken: Yes / No		No		
					Sample Media: Gas/Water		N/A		
					Gas Cannister Start (mb)				
					Gas Cannister End (mb)				
					Gas Cannister Duration (mins)				
					Depth (from datum)	Sample Ref	Type (EW / G)	Container	
		Contract Name:		Lindfield		Data Collected By:		Josh Curnow	
		Project Manager / Engineer:				Checked:			
		Contract Ref:		52744		Page number:			
TPF210 Issue 6									

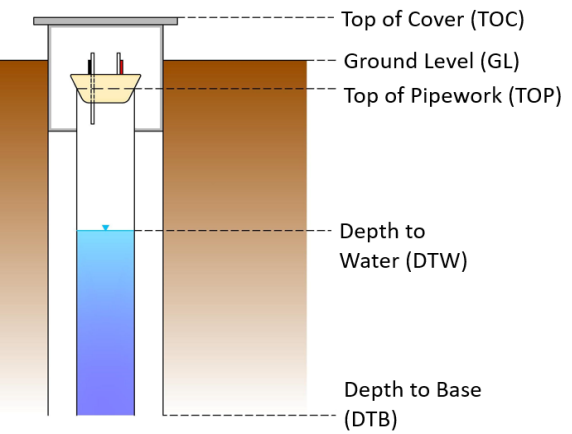
GAS MONITORING FIELD SHEET

Monitoring Date:	03/07/2025	Measurement datum: TOC / GL / TOP / Other	GL	Offset to GL (m):	0				
Pre-Testing Remarks:			Air Temperature:		24		Device:		GA5000
			Weather:		Sunny		Serial Number:		1
			Ground Conditions:		Dry		Daily Check:		Yes
			Wind: NONE / LIGHT / MEDIUM / STRONG				Light		
			Tidal State: (if applicable) High / Low / Rising / Falling				NA		
Exploratory Position ID:		WS03	Monitoring Round Number:		?		Test Number:		1
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow		Pipe Diameter: 19mm / 40mm / 50mm / Other (mm)		25
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Double		
Time Start (hh:mm)	13:12	13:12	1025	0.05	Observations (e.g. on-site activities):				
Time End (hh:mm)	13:15	13:22							
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0	0	0	0	20.2	0	0		0
5	0	15	0	0.5	19.9	0	0		0
10	0	30	0	0.5	19.9	0	0		0
15	0	60	0	0.6	19.8	0	0		
20	0	90	0	0.6	19.9	0	0		
25	0	120	0	0.6	19.9	0	0		
30	0	180							
40	0	240							
50	0	300							
60	0	360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)	0		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)	0								
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:		13:12:00		LNAPL Top (from datum) (m):	
	Depth (from datum) to well base (DTB): (m)		2.16	Purge Start:				DNAPL Top (from datum) (m):	
	Hole Purged: Yes / No		No	Purge End:				Water Observations:	
	Purge Volume: (ltrs)			Post-Purge (DTW) (m)					
			Post testing remarks:		Samples Taken: Yes / No		No		
					Sample Media: Gas/Water		N/A		
					Gas Cannister Start (mb)				
					Gas Cannister End (mb)				
					Gas Cannister Duration (mins)				
					Depth (from datum)	Sample Ref	Type (EW / G)	Container	
		Contract Name:		Lindfield		Data Collected By:		Josh Curnow	
		Project Manager / Engineer:				Checked:			
		Contract Ref:		52744		Page number:			
TPF210 Issue 6									

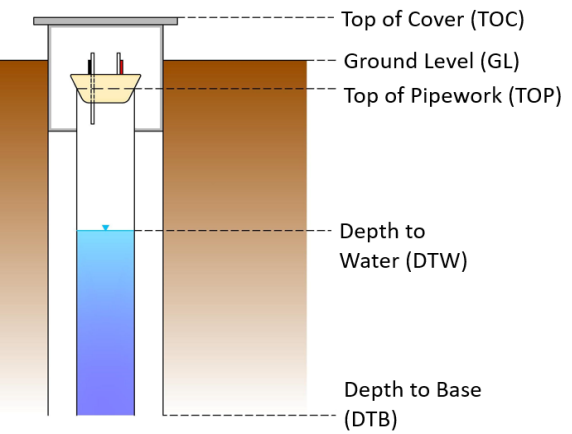
GAS MONITORING FIELD SHEET

Monitoring Date:	03/07/2025	Measurement datum: TOC / GL / TOP / Other	GL	Offset to GL (m):	0				
Pre-Testing Remarks:			Air Temperature:		24		Device:		GA5000
			Weather:		Sunny		Serial Number:		1
			Ground Conditions:		Dry		Daily Check:		Yes
			Wind: NONE / LIGHT / MEDIUM / STRONG				Light		
			Tidal State: (if applicable) High / Low / Rising / Falling				NA		
Exploratory Position ID:		WS04	Monitoring Round Number:		?		Test Number:		1
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow		Pipe Diameter: 19mm / 40mm / 50mm / Other (mm)		25
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Double		
Time Start (hh:mm)	13:26	13:26	1025	0	Observations (e.g. on-site activities):				
Time End (hh:mm)	13:29	13:36							
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0.1	0	0	0	20.3	0	0		0
5	0.1	15	0	0.8	19.9	0	0		0
10	0.1	30	0	0.8	19.8	0	0		0
15	0.1	60	0	0.8	19.8	0	0		
20	0.1	90	0	0.8	19.8	0	0		
25	0.1	120	0	0.8	19.9	0	0		
30	0.2	180							
40	0.2	240							
50	0.2	300							
60	0.2	360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)	0.2		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)	0.2								
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:		13:26:00		LNAPL Top (from datum) (m):	
	Depth (from datum) to well base (DTB): (m)		2.25	Purge Start:				DNAPL Top (from datum) (m):	
	Hole Purged: Yes / No		No	Purge End:				Water Observations:	
	Purge Volume: (ltrs)			Post-Purge (DTW) (m)					
				Post testing remarks:		Samples Taken: Yes / No		No	
						Sample Media: Gas/Water		N/A	
				Gas Cannister Start (mb)					
				Gas Cannister End (mb)					
				Gas Cannister Duration (mins)					
				Depth (from datum)	Sample Ref	Type (EW / G)	Container		
		Contract Name:		Lindfield		Data Collected By:		Josh Curnow	
		Project Manager / Engineer:				Checked:			
		Contract Ref:		52744		Page number:			

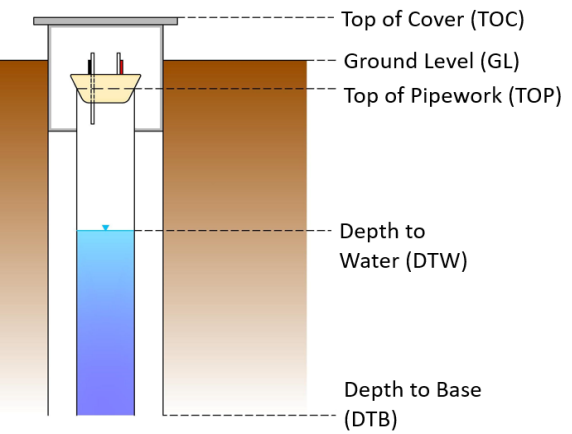
GAS MONITORING FIELD SHEET

Monitoring Date:	03/07/2025	Measurement datum: TOC / GL / TOP / Other	GL	Offset to GL (m):	0				
Pre-Testing Remarks:			Air Temperature:		24		Device:		GA5000
			Weather:		Sunny		Serial Number:		1
			Ground Conditions:		Dry		Daily Check:		Yes
			Wind: NONE / LIGHT / MEDIUM / STRONG				Light		
			Tidal State: (if applicable) High / Low / Rising / Falling				NA		
Exploratory Position ID:		WS05	Monitoring Round Number:		?		Test Number:		1
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow		Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		25
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Double		
Time Start (hh:mm)	13:38	13:38	1025	0.05	Observations (e.g. on-site activities):				
Time End (hh:mm)	13:41	13:48							
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0	0	0	0.1	20.5	0	0		0
5	0	15	0	0.7	20.1	1	0		0
10	0	30	0	0.7	20	0	0		0
15	0	60	0	0.8	20	0	0		
20	0	90	0	0.8	20	0	0		
25	0.1	120	0	0.8	20	0	0		
30	0.1	180							
40	0.1	240							
50	0.1	300							
60	0.1	360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)	0.1		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)	0.1								
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:		13:38:00		LNAPL Top (from datum) (m):	
	Depth (from datum) to well base (DTB): (m)		1.38	Purge Start:				DNAPL Top (from datum) (m):	
	Hole Purged: Yes / No		No	Purge End:				Water Observations:	
	Purge Volume: (ltrs)			Post-Purge (DTW) (m)					
			Post testing remarks:		Samples Taken: Yes / No		No		
					Sample Media: Gas/Water		N/A		
					Gas Cannister Start (mb)				
					Gas Cannister End (mb)				
					Gas Cannister Duration (mins)				
					Depth (from datum)	Sample Ref	Type (EW / G)	Container	
		Contract Name:		Lindfield		Data Collected By:		Josh Curnow	
		Project Manager / Engineer:				Checked:			
		Contract Ref:		52744		Page number:			
TPF210 Issue 6									

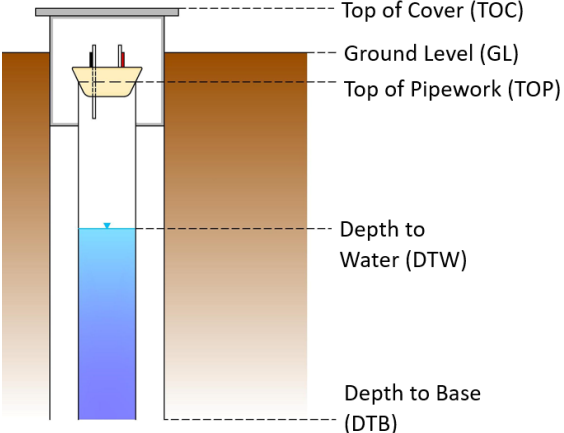
GAS MONITORING FIELD SHEET

Monitoring Date:	03/07/2025	Measurement datum: TOC / GL / TOP / Other	GL	Offset to GL (m):	0						
Pre-Testing Remarks:		Air Temperature:		24		Device:		GA5000			
		Weather:		Sunny		Serial Number:		1			
		Ground Conditions:		Dry		Daily Check:		Yes			
		Wind: NONE / LIGHT / MEDIUM / STRONG				Light					
		Tidal State: (if applicable) High / Low / Rising / Falling				NA					
Exploratory Position ID:		WS07		Monitoring Round Number:		?		Test Number:		1	
Install Type: SINGLE / DOUBLE		Single		Pipe Ref: 1) Shallow 2) Deep		Shallow		Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		25	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Double				
Time Start (hh:mm)	13:49	13:49	1025	0.04	Observations (e.g. on-site activities):						
Time End (hh:mm)	13:52	13:59									
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)		
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)									
0	0	0	0	0.7	20.2	1	0		0		
5	0	15	0	1.1	20	1	0		0		
10	0	30	0	1.2	20	0	0		0		
15	0	60	0	1.3	20	0	0				
20	0	90	0	1.3	20	0	0				
25	0	120	0	1.2	20	0	0				
30	0	180									
40	0	240									
50	0.1	300									
60	0.1	360									
90		420									
120		480									
150		540									
180		600									
Stage 1 gas flow - Peak (l/h)	0.1		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.								
Stage 1 gas flow - Steady State (l/h)	0.1										
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:		13:49:00		LNAPL Top (from datum) (m):			
	Depth (from datum) to well base (DTB): (m)		2.55	Purge Start:				DNAPL Top (from datum) (m):			
	Hole Purged: Yes / No		No	Purge End:				Water Observations:			
	Purge Volume: (ltrs)			Post-Purge (DTW) (m)							
			Post testing remarks:		Samples Taken: Yes / No		No				
					Sample Media: Gas/Water		N/A				
					Gas Cannister Start (mb)						
					Gas Cannister End (mb)						
					Gas Cannister Duration (mins)						
					Depth (from datum)	Sample Ref	Type (EW / G)	Container			
		Contract Name:		Lindfield		Data Collected By:		Josh Curnow			
		Project Manager / Engineer:				Checked:					
		Contract Ref:		52744		Page number:					
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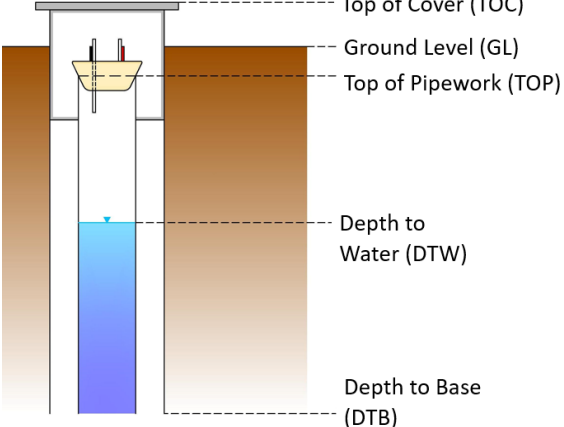
GAS MONITORING FIELD SHEET

Monitoring Date:	03/07/2025	Measurement datum: TOC / GL / TOP / Other	GL	Offset to GL (m):	0				
Pre-Testing Remarks:			Air Temperature: °C		24		Device:		GA5000
			Weather:		Sunny		Serial Number:		1
			Ground Conditions:		Dry		Daily Check:		Yes
			Wind: NONE / LIGHT / MEDIUM / STRONG		Light				
			Tidal State: (if applicable) High / Low / Rising / Falling		NA				
Exploratory Position ID:		WS08	Monitoring Round Number:		?		Test Number:		1
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow		Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		25
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Double		
Time Start (hh:mm)	14:02	14:02	1025	-0.11	Observations (e.g. on-site activities):				
Time End (hh:mm)	14:05	14:12							
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0	0	0	0.2	20.5	3	0		0
5	0	15	0	0.7	20.1	1	0		0
10	0	30	0	0.7	20.1	0	0		0
15	0	60	0	0.7	20.1	0	0		
20	0	90	0	0.7	20	0	0		
25	0	120	0	0.7	20	0	0		
30	0	180							
40	0	240							
50	0	300							
60	0	360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)	0		Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)	0								
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		1.29	Time:		14:02:00	LNAPL Top (from datum) (m):		
	Depth (from datum) to well base (DTB): (m)		3.69	Purge Start:			DNAPL Top (from datum) (m):		
	Hole Purged: Yes / No		No	Purge End:			Water Observations:		
	Purge Volume: (ltrs)			Post-Purge (DTW) (m)					
				Post testing remarks:		Samples Taken: Yes / No		No	
						Sample Media: Gas/Water		N/A	
				Gas Cannister Start (mb)					
				Gas Cannister End (mb)					
				Gas Cannister Duration (mins)					
				Depth (from datum)	Sample Ref	Type (EW / G)	Container		
		Contract Name:		Lindfield		Data Collected By:		Josh Curnow	
		Project Manager / Engineer:				Checked:			
		Contract Ref:		52744		Page number:			
TPF210 Issue 6									

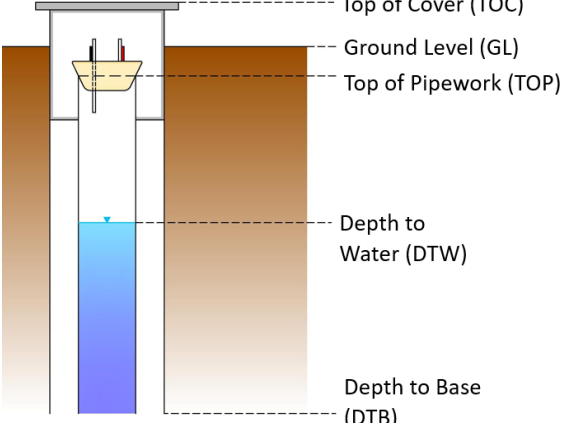
GAS MONITORING FIELD SHEET

Monitoring Date:	05/06/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.32						
Pre-Testing Remarks:			Air Temperature: °C		15		Device:		Gas analyser		
			Weather:		Raining		Serial Number:		GA5000		
			Ground Conditions:		Wet		Daily Check:		Yes		
			Wind: NONE / LIGHT / MEDIUM / STRONG				Light				
			Tidal State: (if applicable) High / Low / Rising / Falling				NA				
Exploratory Position ID:		WS01	Monitoring Round Number:		2		Test Number:		1		
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow		Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		40		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single				
Time Start (hh:mm)	15:54	15:48	1000	10.59	Observations (e.g. on-site activities):						
Time End (hh:mm)	15:56	15:54									
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)		
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)									
0	0	0	0	0.7	21.2	0	0				
5	0	15	0	1.1	20.9	0	0				
10	0.1	30	0	1.2	20.9	0	0				
15	0.1	60	0	1.3	20.9	0	0				
20	0.1	90	0	1.3	20.9	0	0				
25	0.1	120	0	1.3	20.9	0	0				
30	0.1	180	0	1.2	20.9	0	0				
40	0.1	240	0	1.1	21	0	0				
50	0.1	300	0	1.1	21.1	0	0				
60	0.1	360									
90		420									
120		480									
150		540									
180		600									
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.								
Stage 1 gas flow - Steady State (l/h)											
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:	15:43:00	LNAPL Top (from datum) (m):					
	Depth (from datum) to well base (DTB): (m)		3.32	Purge Start:		DNAPL Top (from datum) (m):					
	Hole Purged: Yes / No		No	Purge End:		Water Observations:					
	Purge Volume: (ltrs)		Post-Purge (DTW) (m)								
				Post testing remarks:	Samples Taken: Yes / No		No				
					Sample Media: Gas/Water		N/A				
				Gas Cannister Start (mb)							
				Gas Cannister End (mb)							
				Gas Cannister Duration (mins)							
				Depth (from datum)	Sample Ref	Type (EW / G)	Container				
Contract Name:		Lindfield			Data Collected By:		Becky Drewett				
Project Manager / Engineer:					Checked:						
Contract Ref:		52744			Page number:						
TPF210 Issue 6											

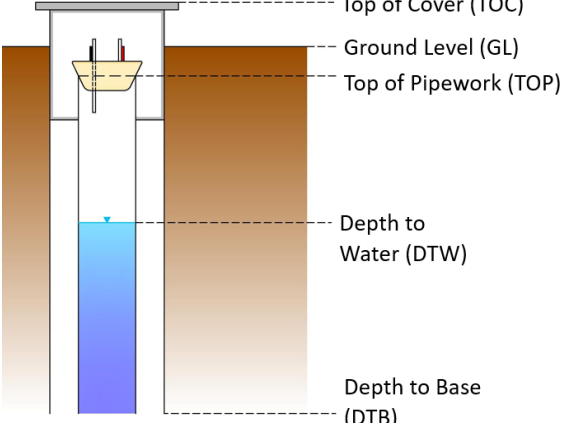
GAS MONITORING FIELD SHEET

Monitoring Date:	05/06/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.28				
Pre-Testing Remarks:		Air Temperature: °C		15	Device:		Gas analyser		
		Weather:		Raining	Serial Number:		GA5000		
		Ground Conditions:		Wet	Daily Check:		Yes		
		Wind: NONE / LIGHT / MEDIUM / STRONG		Light					
		Tidal State: (if applicable) High / Low / Rising / Falling		NA					
Exploratory Position ID:		WS02	Monitoring Round Number:		2	Test Number:		1	
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow	Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		40	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single		
Time Start (hh:mm)	15:36	15:31	1000	12.35	Observations (e.g. on-site activities):				
Time End (hh:mm)	15:37	15:35							
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0	0	0	0.5	21.2	0	0		
5	0	15	0	0.7	21.1	0	0		
10	0	30	0	0.8	21.1	0	0		
15	0	60	0	0.9	21	0	0		
20	0	90	0	0.9	21	0	0		
25	0.1	120	0	0.9	21	0	0		
30	0.1	180	0	0.9	21.1	0	0		
40	0.1	240							
50	0.1	300							
60	0.1	360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)									
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		2.35	Time:	15:28:00	LNAPL Top (from datum) (m):			
	Depth (from datum) to well base (DTB): (m)		2.55	Purge Start:		DNAPL Top (from datum) (m):			
	Hole Purged: Yes / No		No	Purge End:		Water Observations:			
	Purge Volume: (ltrs)		Post-Purge (DTW) (m)						
			Post testing remarks:	Samples Taken: Yes / No		No			
				Sample Media: Gas/Water		N/A			
				Gas Cannister Start (mb)					
				Gas Cannister End (mb)					
				Gas Cannister Duration (mins)					
			Depth (from datum)	Sample Ref	Type (EW / G)	Container			
Contract Name:		Lindfield			Data Collected By:		Becky Drewett		
Project Manager / Engineer:					Checked:				
Contract Ref:		52744			Page number:				
TPF210 Issue 6									

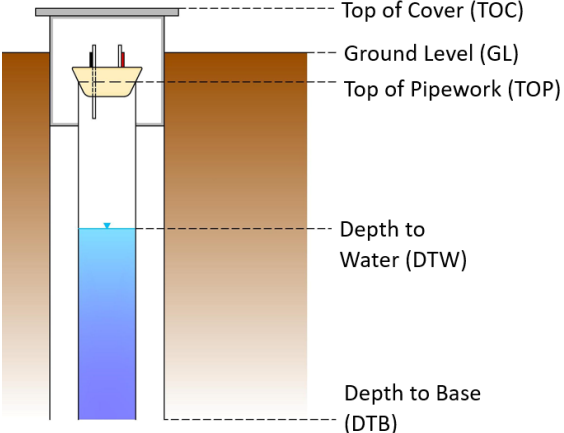
GAS MONITORING FIELD SHEET

Monitoring Date:	05/06/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.23				
Pre-Testing Remarks:			Air Temperature: °C	15	Device:		Gas analyser		
			Weather:	Raining	Serial Number:		GA5000		
			Ground Conditions:	Wet	Daily Check:		Yes		
			Wind: NONE / LIGHT / MEDIUM / STRONG			Light			
			Tidal State: (if applicable) High / Low / Rising / Falling			NA			
Exploratory Position ID:		WS03	Monitoring Round Number:	2	Test Number:		1		
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep	Shallow	Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		40		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single		
Time Start (hh:mm)	15:19	15:06	1000	11.29	Observations (e.g. on-site activities):				
Time End (hh:mm)	15:21	15:19							
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0	0	0	0.3	21.2	0	0		
5	0	15	0	0.5	21.2	0	0		
10	0	30	0	0.6	21.1	0	0		
15	0	60	0	0.6	21.1	0	0		
20	0	90	0	0.6	21.1	0	0		
25	0	120	0	0.6	21.1	0	0		
30	0	180	0	0.6	21.2	0	0		
40	0	240	0	0.6	21.2	0	0		
50	0	300							
60	0	360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)									
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:	15:10:00	LNAPL Top (from datum) (m):			
	Depth (from datum) to well base (DTB): (m)		2.42	Purge Start:		DNAPL Top (from datum) (m):			
	Hole Purged: Yes / No		No	Purge End:		Water Observations:			
	Purge Volume: (ltrs)		Post-Purge (DTW) (m)						
				Post testing remarks:	Samples Taken: Yes / No		No		
					Sample Media: Gas/Water		N/A		
					Gas Cannister Start (mb)				
					Gas Cannister End (mb)				
					Gas Cannister Duration (mins)				
				Depth (from datum)	Sample Ref	Type (EW / G)	Container		
			Contract Name:		Lindfield		Data Collected By:		Becky Drewett
			Project Manager / Engineer:				Checked:		
			Contract Ref:		52744		Page number:		
TPF210 Issue 6									

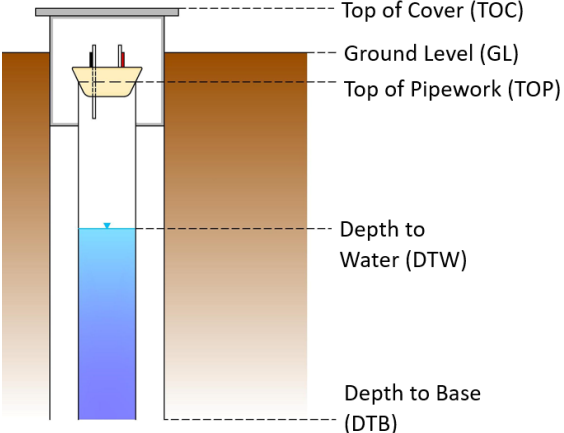
GAS MONITORING FIELD SHEET

Monitoring Date:	05/06/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.3					
Pre-Testing Remarks:			Air Temperature: °C		15	Device:		Gas analyser		
			Weather:		Raining	Serial Number:		GA5000		
			Ground Conditions:		Dry	Daily Check:		Yes		
			Wind: NONE / LIGHT / MEDIUM / STRONG				Light			
			Tidal State: (if applicable) High / Low / Rising / Falling				NA			
Exploratory Position ID:		WS04	Monitoring Round Number:		2	Test Number:		1		
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow	Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		40		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single			
Time Start (hh:mm)	15:01	14:54	1000	-0.3	Observations (e.g. on-site activities):					
Time End (hh:mm)	15:02	14:56								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)								
0	0	0	0	1	20.6	0	0			
5	0	15	0	0.9	20.8	0	0			
10	0	30	0	0.8	20.8	0	0			
15	0	60	0	0.8	20.8	0	0			
20	0	90	0	0.8	20.8	0	0			
25	0	120	0	0.8	20.8	0	0			
30	0	180								
40	0	240								
50	0	300								
60	0	360								
90		420								
120		480								
150		540								
180		600								
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.							
Stage 1 gas flow - Steady State (l/h)										
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:	14:47:00	LNAPL Top (from datum) (m):				
	Depth (from datum) to well base (DTB): (m)		2.6	Purge Start:		DNAPL Top (from datum) (m):				
	Hole Purged: Yes / No		No	Purge End:		Water Observations:				
	Purge Volume: (ltrs)		Post-Purge (DTW) (m)							
				Post testing remarks:	Samples Taken: Yes / No		No			
					Sample Media: Gas/Water		N/A			
				Gas Cannister Start (mb)						
				Gas Cannister End (mb)						
				Gas Cannister Duration (mins)						
				Depth (from datum)	Sample Ref	Type (EW / G)	Container			
Contract Name:		Lindfield		Data Collected By:		Becky Drewett				
Project Manager / Engineer:				Checked:						
Contract Ref:		52744		Page number:						
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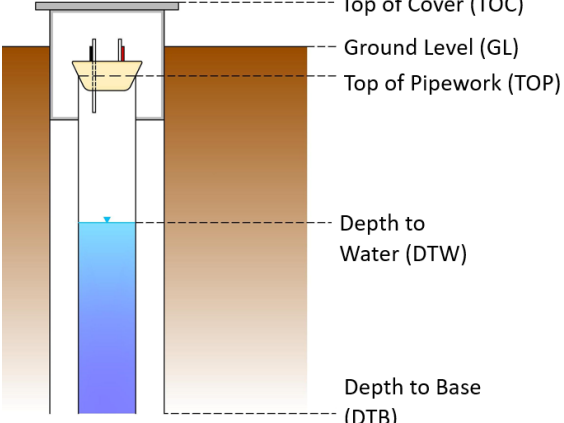
GAS MONITORING FIELD SHEET

Monitoring Date:	05/06/2025	Measurement datum: TOC / GL / TOP / Other	TOC	Offset to GL (m):	0.22				
Pre-Testing Remarks:			Air Temperature: °C		15	Device:		Gas analyser	
			Weather:		Raining	Serial Number:		GA5000	
			Ground Conditions:		Dry	Daily Check:		Yes	
			Wind: NONE / LIGHT / MEDIUM / STRONG		Light				
			Tidal State: (if applicable) High / Low / Rising / Falling		NA				
Exploratory Position ID:		WS05	Monitoring Round Number:		2	Test Number:		1	
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow	Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		50	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single		
Time Start (hh:mm)	15:05	14:38	1000	2.28	Observations (e.g. on-site activities):				
Time End (hh:mm)	15:07	14:42							
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0	0	0	0.9	20.5	0	0		
5	0	15	0	1.1	20.4	0	0		
10	0	30	0	1.1	20.3	0	0		
15	0	60	0	1.2	20.3	0	0		
20	0	90	0	1.2	20.3	0	0		
25	0	120	0	1.2	20.4	0	0		
30	0	180	0	1.1	20.4	0	0		
40	0	240							
50	0	300							
60	0	360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)									
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:	14:34:00	LNAPL Top (from datum) (m):			
	Depth (from datum) to well base (DTB): (m)		1.66	Purge Start:		DNAPL Top (from datum) (m):			
	Hole Purged: Yes / No		No	Purge End:		Water Observations:			
	Purge Volume: (ltrs)		Post-Purge (DTW) (m)						
				Post testing remarks:	Samples Taken: Yes / No		No		
					Sample Media: Gas/Water		N/A		
					Gas Cannister Start (mb)				
					Gas Cannister End (mb)				
					Gas Cannister Duration (mins)				
				Depth (from datum)	Sample Ref	Type (EW / G)	Container		
Contract Name:			Lindfield			Data Collected By:		Becky Drewett	
Project Manager / Engineer:						Checked:			
Contract Ref:			52744			Page number:			
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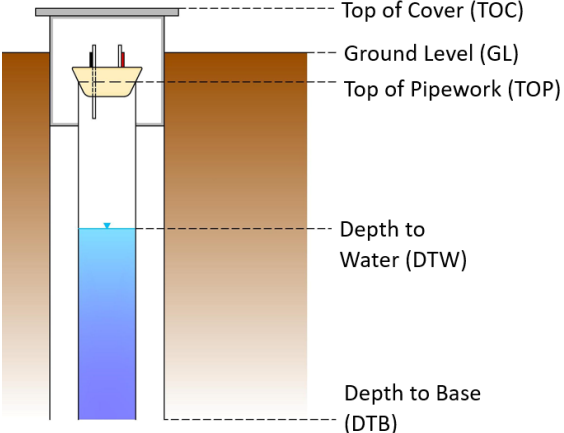
GAS MONITORING FIELD SHEET

Monitoring Date:	05/06/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.33					
Pre-Testing Remarks:		Air Temperature: °C		15	Device:		Gas analyser			
		Weather:		Raining	Serial Number:		GA5000			
		Ground Conditions:		Dry	Daily Check:		Yes			
		Wind: NONE / LIGHT / MEDIUM / STRONG		Light						
		Tidal State: (if applicable) High / Low / Rising / Falling		NA						
Exploratory Position ID:		WS07	Monitoring Round Number:		2	Test Number:		1		
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow	Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		40		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single			
Time Start (hh:mm)	14:27	14:24	1000	5.39	Observations (e.g. on-site activities):					
Time End (hh:mm)	14:28	14:26								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)								
0	0	0	0	0.4	20.8	0	0			
5	0	15	0.1	1	20.3	0	0			
10	0	30	0	1	20.3	0	0			
15	0	60	0	1.1	20.3	0	0			
20	0.1	90	0	1.1	20.3	0	0			
25	0.1	120	0	1.1	20.3	0	0			
30	0.1	180								
40	0.1	240								
50	0.1	300								
60	0.1	360								
90		420								
120		480								
150		540								
180		600								
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.							
Stage 1 gas flow - Steady State (l/h)										
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:	14:16:00	LNAPL Top (from datum) (m):				
	Depth (from datum) to well base (DTB): (m)		2.93	Purge Start:		DNAPL Top (from datum) (m):				
	Hole Purged: Yes / No		No	Purge End:		Water Observations:				
	Purge Volume: (ltrs)		Post-Purge (DTW) (m)							
			Post testing remarks:	Samples Taken: Yes / No		No				
				Sample Media: Gas/Water		N/A				
				Gas Cannister Start (mb)						
				Gas Cannister End (mb)						
				Gas Cannister Duration (mins)						
			Depth (from datum)	Sample Ref	Type (EW / G)	Container				
Contract Name:		Lindfield			Data Collected By:		Becky Drewett			
Project Manager / Engineer:					Checked:					
Contract Ref:		52744			Page number:					
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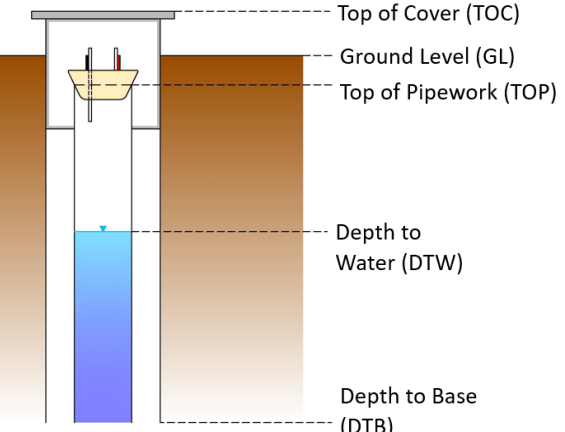
GAS MONITORING FIELD SHEET

Monitoring Date:	05/06/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.44					
Pre-Testing Remarks:		Air Temperature: °C		15	Device:		Gas analyser			
		Weather:		Raining	Serial Number:		GA5000			
		Ground Conditions:		Dry	Daily Check:		Yes			
		Wind: NONE / LIGHT / MEDIUM / STRONG		Light						
		Tidal State: (if applicable) High / Low / Rising / Falling		NA						
Exploratory Position ID:		WS08	Monitoring Round Number:		2	Test Number:		1		
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow	Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		50		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single			
Time Start (hh:mm)	14:07	14:01	1000	9.19	Observations (e.g. on-site activities):					
Time End (hh:mm)	14:08	14:06								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)								
0	0	0	0.1	0.1	21.1	0	0			
5	0	15	0.1	0.5	20.8	0	0			
10	0	30	0.1	0.5	20.8	0	0			
15	0	60	0.1	0.5	20.8	0	0			
20	0	90	0.1	0.6	20.8	0	0			
25	0	120	0.1	0.6	20.8	0	0			
30	0	180	0.1	0.5	20.8	0	0			
40	0	240	0.1	0.5	20.8	0	0			
50	0	300								
60	0	360								
90		420								
120		480								
150		540								
180		600								
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.							
Stage 1 gas flow - Steady State (l/h)										
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		1.57	Time:	13:54:00	LNAPL Top (from datum) (m):				
	Depth (from datum) to well base (DTB): (m)		4.27	Purge Start:		DNAPL Top (from datum) (m):				
	Hole Purged: Yes / No		No	Purge End:		Water Observations:				
	Purge Volume: (ltrs)		Post-Purge (DTW) (m)							
			Post testing remarks:	Samples Taken: Yes / No		No				
				Sample Media: Gas/Water		N/A				
				Gas Cannister Start (mb)						
				Gas Cannister End (mb)						
				Gas Cannister Duration (mins)						
			Depth (from datum)	Sample Ref	Type (EW / G)	Container				
Contract Name:		Lindfield			Data Collected By:		Becky Drewett			
Project Manager / Engineer:					Checked:					
Contract Ref:		52744			Page number:					
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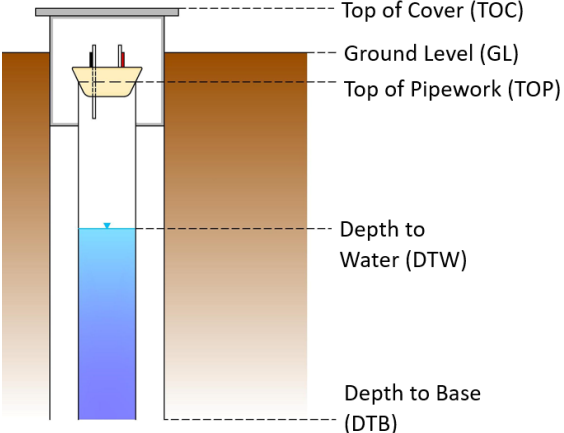
GAS MONITORING FIELD SHEET

Monitoring Date:	12/06/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.32					
Pre-Testing Remarks:		Air Temperature: °C		22	Device:		GA5000			
		Weather:		Sunny	Serial Number:		GA5000			
		Ground Conditions:		Dry	Daily Check:		Yes			
		Wind: NONE / LIGHT / MEDIUM / STRONG		Light						
		Tidal State: (if applicable) High / Low / Rising / Falling		NA						
Exploratory Position ID:		WS01	Monitoring Round Number:		3	Test Number:		1		
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow	Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		35		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single			
Time Start (hh:mm)	15:19	15:14	1007	5.13	Observations (e.g. on-site activities):					
Time End (hh:mm)	15:20	15:18								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)								
0	0	0	0	0.8	19.9	1	0			
5	0.1	15	0	1.1	19.7	0	0			
10	0.1	30	0	1.2	19.7	0	0			
15	0.1	60	0	1.3	19.6	0	0			
20	0.1	90	0	1.3	19.6	0	0			
25	0.1	120	0	1.3	19.7	0	0			
30	0.1	180	0	1.2	19.8	0	0			
40	0.1	240								
50	0.1	300								
60	0.1	360								
90		420								
120		480								
150		540								
180		600								
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.							
Stage 1 gas flow - Steady State (l/h)										
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:	15:11:00	LNAPL Top (from datum) (m):				
	Depth (from datum) to well base (DTB): (m)		3.32	Purge Start:		DNAPL Top (from datum) (m):				
	Hole Purged: Yes / No		No	Purge End:		Water Observations:				
	Purge Volume: (ltrs)		Post-Purge (DTW) (m)							
			Post testing remarks:	Samples Taken: Yes / No		No				
				Sample Media: Gas/Water		N/A				
				Gas Cannister Start (mb)						
				Gas Cannister End (mb)						
				Gas Cannister Duration (mins)						
			Depth (from datum)	Sample Ref	Type (EW / G)	Container				
		Contract Name:		Lindfield		Data Collected By:		Becky Drewett		
		Project Manager / Engineer:				Checked:				
		Contract Ref:		52744		Page number:				
TPF210 Issue 6										

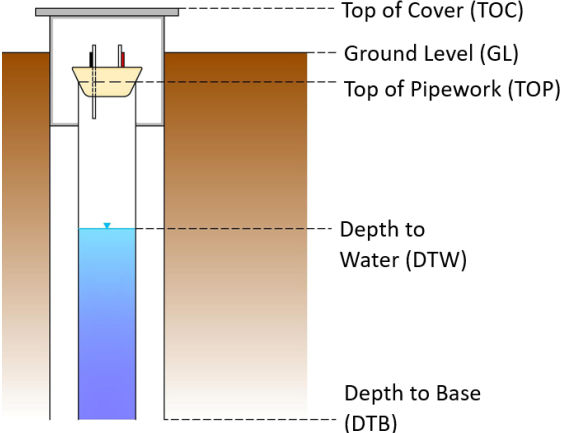
GAS MONITORING FIELD SHEET

<u>Monitoring Date:</u>	12/06/2025	<u>Measurement datum:</u> TOC / GL / TOP / Other	TOP	<u>Offset to GL (m):</u>	0.28				
<u>Pre-Testing Remarks:</u>		<u>Air Temperature:</u> °C		22		<u>Device:</u>		GA5000	
		<u>Weather:</u>		Sunny		<u>Serial Number:</u>		GA5000	
		<u>Ground Conditions:</u>		Dry		<u>Daily Check:</u>		Yes	
		<u>Wind:</u> NONE / LIGHT / MEDIUM / STRONG				Light			
		<u>Tidal State: (if applicable) High / Low / Rising / Falling</u>				NA			
<u>Exploratory Position ID:</u>		WS02		<u>Monitoring Round Number:</u>		3		<u>Test Number:</u> 1	
<u>Install Type:</u> SINGLE / DOUBLE		Single		<u>Pipe Ref:</u> 1) Shallow 2) Deep		Shallow		<u>Pipe Diameter:</u> 19mm/ 40mm / 50mm / Other (mm) 35	
<u>Time of Monitoring (hh:mm)</u>	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	<u>Gas tap:</u> SINGLE / DOUBLE		Single		
Time Start (hh:mm)	15:31	15:27	1007	10.41	<u>Observations (e.g. on-site activities):</u>				
Time End (hh:mm)	15:33	15:31							
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0.1	0	0	1.1	20	2	0		
5	0.1	15	0	0.9	20.1	0	0		
10	0.1	30	0	0.9	20.1	0	0		
15	0.1	60	0	1	20.1	0	0		
20	0.1	90	0	1	20.1	0	0		
25	0.1	120	0	1	20.2	0	0		
30	0.1	180	0	1	20.2	0	0		
40	0.1	240							
50	0.1	300							
60	0.1	360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)									
STAGE 3 WATER LEVEL OBSERVATION	<u>Depth (from datum) to water (DTW):</u> (m)		2.38	<u>Time:</u>	15:24:00	<u>LNAPL Top (from datum) (m):</u>			
	<u>Depth (from datum) to well base (DTB):</u> (m)		2.55	<u>Purge Start:</u>		<u>DNAPL Top (from datum) (m):</u>			
	<u>Hole Purged:</u> Yes / No		No	<u>Purge End:</u>		<u>Water Observations:</u>			
	<u>Purge Volume:</u> (ltrs)			<u>Post-Purge (DTW) (m)</u>					
				<u>Post testing remarks:</u>	<u>Samples Taken:</u> Yes / No		No		
					<u>Sample Media:</u> Gas/Water		N/A		
					<u>Gas Cannister Start (mb)</u>				
					<u>Gas Cannister End (mb)</u>				
					<u>Gas Cannister Duration (mins)</u>				
				<u>Depth (from datum)</u>	<u>Sample Ref</u>	<u>Type (EW / G)</u>	<u>Container</u>		
				<u>Contract Name:</u>		Lindfield		<u>Data Collected By:</u> Becky Drewett	
				<u>Project Manager / Engineer:</u>				<u>Checked:</u>	
				<u>Contract Ref:</u>		52744		<u>Page number:</u>	
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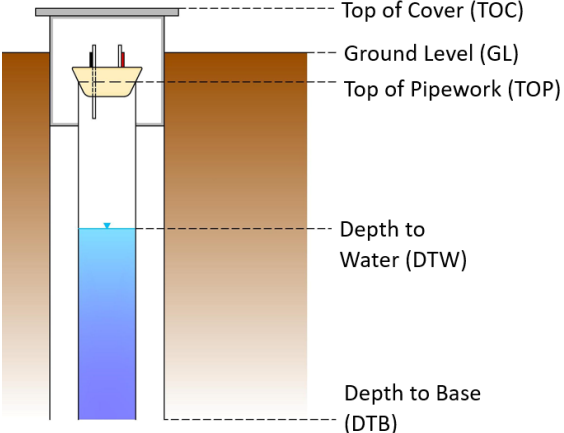
GAS MONITORING FIELD SHEET

Monitoring Date:	12/06/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.24					
Pre-Testing Remarks:		Air Temperature: °C		22	Device:		GA5000			
		Weather:		Sunny	Serial Number:		GA5000			
		Ground Conditions:		Dry	Daily Check:		Yes			
		Wind: NONE / LIGHT / MEDIUM / STRONG		Light						
		Tidal State: (if applicable) High / Low / Rising / Falling		NA						
Exploratory Position ID:		WS03	Monitoring Round Number:		3	Test Number:		1		
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow	Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		35		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single			
Time Start (hh:mm)	15:45	15:00	1007	12.54	Observations (e.g. on-site activities):					
Time End (hh:mm)	15:46	15:04								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)								
0	0	0	0	0.8	19.7	0	0			
5	0	15	0	0.7	19.8	0	0			
10	0	30	0	0.7	19.8	0	0			
15	0	60	0	0.8	19.8	0	0			
20	0	90	0	0.8	19.8	0	0			
25	0	120	0	0.8	19.8	0	0			
30	0	180	0	0.7	19.9	0	0			
40	0	240								
50	0	300								
60	0	360								
90		420								
120		480								
150		540								
180		600								
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.							
Stage 1 gas flow - Steady State (l/h)										
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:	14:56:00	LNAPL Top (from datum) (m):				
	Depth (from datum) to well base (DTB): (m)		2.42	Purge Start:		DNAPL Top (from datum) (m):				
	Hole Purged: Yes / No		No	Purge End:		Water Observations:				
	Purge Volume: (ltrs)		Post-Purge (DTW) (m)							
			Post testing remarks:	Samples Taken: Yes / No		No				
				Sample Media: Gas/Water		N/A				
				Gas Cannister Start (mb)						
				Gas Cannister End (mb)						
				Gas Cannister Duration (mins)						
			Depth (from datum)	Sample Ref	Type (EW / G)	Container				
Contract Name:		Lindfield			Data Collected By:		Becky Drewett			
Project Manager / Engineer:					Checked:					
Contract Ref:		52744			Page number:					
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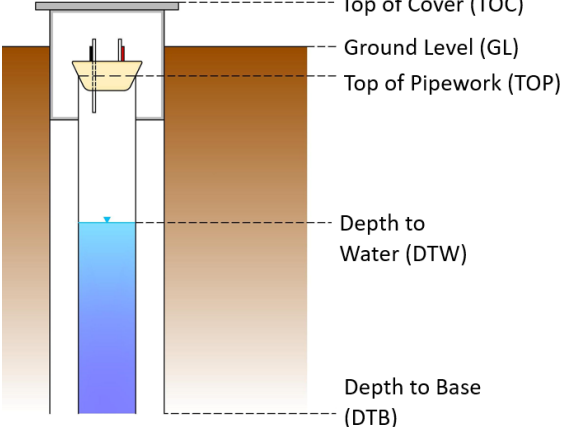
GAS MONITORING FIELD SHEET

Monitoring Date:	12/06/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.29					
Pre-Testing Remarks:		Air Temperature: °C		22	Device:		GA5000			
		Weather:		Sunny	Serial Number:		GA5000			
		Ground Conditions:		Dry	Daily Check:		Yes			
		Wind: NONE / LIGHT / MEDIUM / STRONG		Light						
		Tidal State: (if applicable) High / Low / Rising / Falling		NA						
Exploratory Position ID:		WS04	Monitoring Round Number:		3	Test Number:		1		
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow	Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		35		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single			
Time Start (hh:mm)	14:49	14:45	1007	16.76	Observations (e.g. on-site activities):					
Time End (hh:mm)	14:50	14:48								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)								
0	0.1	0	0	1.2	19.2	1	0			
5	0.1	15	0	1	19.3	0	0			
10	0.1	30	0	1	19.3	0	0			
15	0.1	60	0	1	19.3	0	0			
20	0.1	90	0	1	19.3	0	0			
25	0.1	120	0	1	19.3	0	0			
30	0.1	180	0	1	19.3	0	0			
40	0.1	240								
50	0.1	300								
60	0.1	360								
90		420								
120		480								
150		540								
180		600								
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.							
Stage 1 gas flow - Steady State (l/h)										
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:	14:41:00	LNAPL Top (from datum) (m):				
	Depth (from datum) to well base (DTB): (m)		2.6	Purge Start:		DNAPL Top (from datum) (m):				
	Hole Purged: Yes / No		No	Purge End:		Water Observations:				
	Purge Volume: (ltrs)		Post-Purge (DTW) (m)							
			Post testing remarks:	Samples Taken: Yes / No		No				
				Sample Media: Gas/Water		N/A				
				Gas Cannister Start (mb)						
				Gas Cannister End (mb)						
				Gas Cannister Duration (mins)						
			Depth (from datum)	Sample Ref	Type (EW / G)	Container				
Contract Name:		Lindfield			Data Collected By:		Becky Drewett			
Project Manager / Engineer:					Checked:					
Contract Ref:		52744			Page number:					
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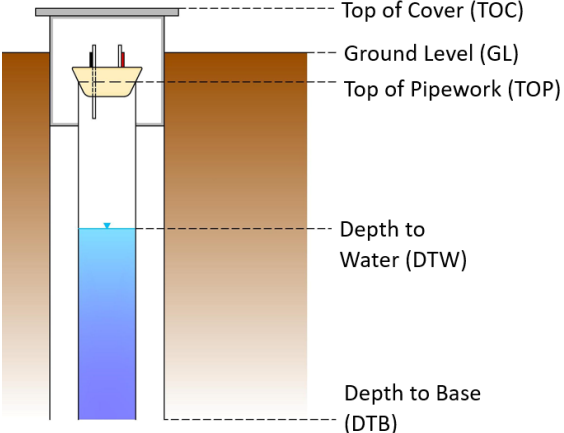
GAS MONITORING FIELD SHEET

Monitoring Date:	12/06/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.23					
Pre-Testing Remarks:		Air Temperature: °C		22	Device:		GA5000			
		Weather:		Sunny	Serial Number:		GA5000			
		Ground Conditions:		Dry	Daily Check:		Yes			
		Wind: NONE / LIGHT / MEDIUM / STRONG		Light						
		Tidal State: (if applicable) High / Low / Rising / Falling		NA						
Exploratory Position ID:		WS05	Monitoring Round Number:		3	Test Number:		1		
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow	Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		35		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single			
Time Start (hh:mm)	14:36	14:31	1007	4.11	Observations (e.g. on-site activities):					
Time End (hh:mm)	14:37	14:35								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)								
0	0.1	0	0	1.1	19.3	1	0			
5	0.1	15	0	1.2	19	0	0			
10	0.1	30	0	1.4	19	0	0			
15	0.1	60	0	1.5	18.9	0	0			
20	0.1	90	0	1.5	18.9	0	0			
25	0.2	120	0	1.5	18.9	0	0			
30	0.2	180	0	1.4	19	0	0			
40	0.2	240								
50	0.2	300								
60	0.2	360								
90		420								
120		480								
150		540								
180		600								
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.							
Stage 1 gas flow - Steady State (l/h)										
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:	14:28:00	LNAPL Top (from datum) (m):				
	Depth (from datum) to well base (DTB): (m)		1.66	Purge Start:		DNAPL Top (from datum) (m):				
	Hole Purged: Yes / No		No	Purge End:		Water Observations:				
	Purge Volume: (ltrs)		Post-Purge (DTW) (m)							
			Post testing remarks:	Samples Taken: Yes / No		No				
				Sample Media: Gas/Water		N/A				
				Gas Cannister Start (mb)						
				Gas Cannister End (mb)						
				Gas Cannister Duration (mins)						
			Depth (from datum)	Sample Ref	Type (EW / G)	Container				
		Contract Name:		Lindfield		Data Collected By:		Becky Drewett		
		Project Manager / Engineer:				Checked:				
		Contract Ref:		52744		Page number:				
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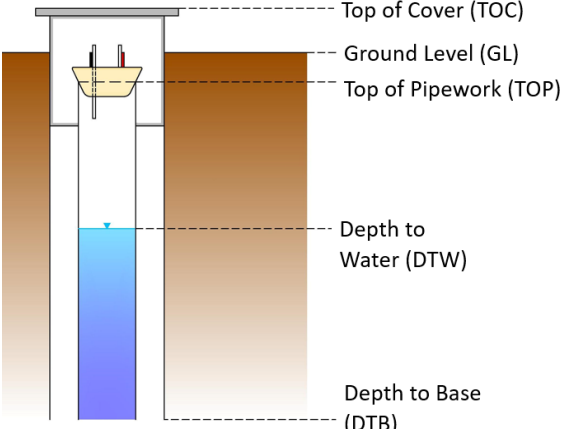
GAS MONITORING FIELD SHEET

Monitoring Date:	12/06/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.33				
Pre-Testing Remarks:			Air Temperature: °C	22	Device:		GA5000		
			Weather:	Sunny	Serial Number:		GA5000		
			Ground Conditions:	Dry	Daily Check:		Yes		
			Wind: NONE / LIGHT / MEDIUM / STRONG			Light			
			Tidal State: (if applicable) High / Low / Rising / Falling			NA			
Exploratory Position ID:		WS07	Monitoring Round Number:		3	Test Number:		1	
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow	Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		35	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single		
Time Start (hh:mm)	14:20	14:15	1007	9.32	Observations (e.g. on-site activities):				
Time End (hh:mm)	14:21	14:19							
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0.1	0	0	0.6	19.6	1	1		
5	0.1	15	0	1.2	19	0	1		
10	0.1	30	0	1.3	19	0	1		
15	0.1	60	0	1.3	19	0	1		
20	0.1	90	0	1.3	19	0	1		
25	0.1	120	0	1.3	19	0	1		
30	0.1	180	0	1.2	19.1	0	1		
40	0.1	240							
50	0.1	300							
60	0.1	360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)									
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:	14:08:00	LNAPL Top (from datum) (m):			
	Depth (from datum) to well base (DTB): (m)		2.93	Purge Start:		DNAPL Top (from datum) (m):			
	Hole Purged: Yes / No		No	Purge End:		Water Observations:			
	Purge Volume: (ltrs)		Post-Purge (DTW) (m)						
			Post testing remarks:	Samples Taken: Yes / No		No			
				Sample Media: Gas/Water		N/A			
				Gas Cannister Start (mb)					
				Gas Cannister End (mb)					
				Gas Cannister Duration (mins)					
			Depth (from datum)	Sample Ref	Type (EW / G)	Container			
Contract Name:		Lindfield			Data Collected By:		Becky Drewett		
Project Manager / Engineer:					Checked:				
Contract Ref:		52744			Page number:				
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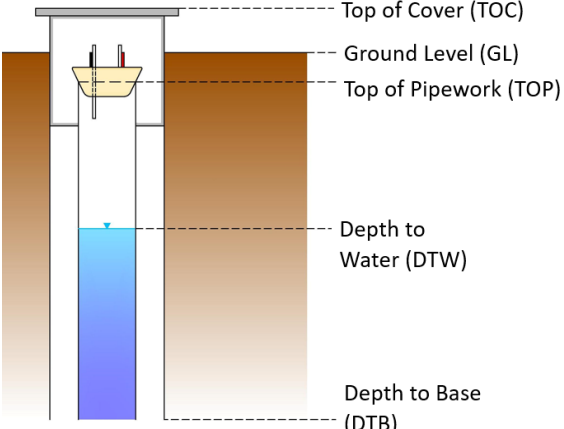
GAS MONITORING FIELD SHEET

Monitoring Date:	12/06/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.45					
Pre-Testing Remarks:			Air Temperature: °C		22		Device:		GA5000	
			Weather:		Sunny		Serial Number:		GA5000	
			Ground Conditions:		Dry		Daily Check:		Yes	
			Wind: NONE / LIGHT / MEDIUM / STRONG		Light					
			Tidal State: (if applicable) High / Low / Rising / Falling		NA					
Exploratory Position ID:		WS08	Monitoring Round Number:		3		Test Number:		1	
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow		Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		35	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single			
Time Start (hh:mm)	14:03	14:00	1007	1027	Observations (e.g. on-site activities):					
Time End (hh:mm)	14:04	14:03								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)								
0	0.1	0	0.1	0.2	20.6	0	0			
5	0.1	15	0.1	0.6	20.1	0	0			
10	0.1	30	0.1	0.6	20	0	0			
15	0.1	60	0.1	0.6	20	0	0			
20	0.1	90	0.1	0.7	19.9	0	0			
25	0.1	120	0.1	0.7	19.9	0	0			
30	0.1	180	0.1	0.6	19.9	0	0			
40	0.1	240								
50	0.1	300								
60	0.1	360								
90		420								
120		480								
150		540								
180		600								
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.							
Stage 1 gas flow - Steady State (l/h)										
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		1.58	Time:	13:51:00	LNAPL Top (from datum) (m):				
	Depth (from datum) to well base (DTB): (m)		4.25	Purge Start:		DNAPL Top (from datum) (m):				
	Hole Purged: Yes / No		No	Purge End:		Water Observations:				
	Purge Volume: (ltrs)		Post-Purge (DTW) (m)							
				Post testing remarks:	Samples Taken: Yes / No		No			
					Sample Media: Gas/Water		N/A			
					Gas Cannister Start (mb)					
					Gas Cannister End (mb)					
					Gas Cannister Duration (mins)					
				Depth (from datum)	Sample Ref	Type (EW / G)	Container			
Contract Name:		Lindfield			Data Collected By:		Becky Drewett			
Project Manager / Engineer:					Checked:					
Contract Ref:		52744			Page number:					
TPF210 Issue 6										

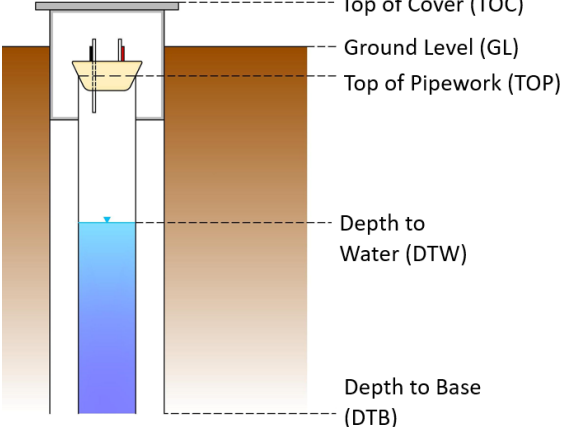
GAS MONITORING FIELD SHEET

Monitoring Date:	19/06/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.32					
Pre-Testing Remarks:		Air Temperature: °C		26	Device:		GA5000			
		Weather:		Sunny	Serial Number:		GA5000			
		Ground Conditions:		Dry	Daily Check:		Yes			
		Wind: NONE / LIGHT / MEDIUM / STRONG		Light						
		Tidal State: (if applicable) High / Low / Rising / Falling		NA						
Exploratory Position ID:		WS01	Monitoring Round Number:		4	Test Number:		1		
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow	Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		35		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single			
Time Start (hh:mm)	12:31	12:27	1017	19.57	Observations (e.g. on-site activities):					
Time End (hh:mm)	12:32	12:30								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)								
0	0	0	0	0.8	19.6	4	0			
5	0	15	0	1.2	19.4	1	0			
10	0	30	0	1.2	19.4	1	0			
15	0	60	0	1.3	19.3	0	0			
20	0	90	0	1.3	19.3	0	0			
25	0.1	120	0	1.3	19.4	0	0			
30	0.1	180	0	1.2	19.4	0	0			
40	0	240								
50	0	300								
60	0	360								
90		420								
120		480								
150		540								
180		600								
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.							
Stage 1 gas flow - Steady State (l/h)										
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:	12:21:00	LNAPL Top (from datum) (m):				
	Depth (from datum) to well base (DTB): (m)		3.32	Purge Start:		DNAPL Top (from datum) (m):				
	Hole Purged: Yes / No		No	Purge End:		Water Observations:				
	Purge Volume: (ltrs)		Post-Purge (DTW) (m)							
			Post testing remarks:	Samples Taken: Yes / No		No				
				Sample Media: Gas/Water		N/A				
				Gas Cannister Start (mb)						
				Gas Cannister End (mb)						
				Gas Cannister Duration (mins)						
			Depth (from datum)	Sample Ref	Type (EW / G)	Container				
Contract Name:		Lindfield			Data Collected By:		Becky Drewett			
Project Manager / Engineer:					Checked:					
Contract Ref:		52744			Page number:					
TPF210 Issue 6										

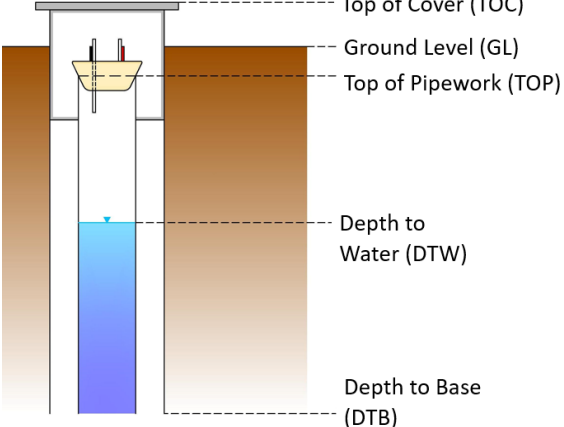
GAS MONITORING FIELD SHEET

Monitoring Date:	19/06/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.28				
Pre-Testing Remarks:			Air Temperature: °C	26	Device:		GA5000		
			Weather:	Sunny	Serial Number:		GA5000		
			Ground Conditions:	Dry	Daily Check:		Yes		
			Wind: NONE / LIGHT / MEDIUM / STRONG		Light				
			Tidal State: (if applicable) High / Low / Rising / Falling		NA				
Exploratory Position ID:		WS02	Monitoring Round Number:	4	Test Number:		1		
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep	Shallow	Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		35		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single		
Time Start (hh:mm)	12:13	12:08	1017	12.93	Observations (e.g. on-site activities):				
Time End (hh:mm)	12:14	12:12							
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0	0	0	0.7	19.4	2	0		
5	0	15	0	0.9	19.3	1	0		
10	0	30	0	0.9	19.3	0	0		
15	0	60	0	1	19.3	0	0		
20	0	90	0	1	19.3	0	0		
25	0	120	0	0.9	19.3	0	0		
30	0	180	0	0.9	19.4	0	0		
40	0	240							
50	0	300							
60	0	360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)									
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		2.41	Time:	12:02:00	LNAPL Top (from datum) (m):			
	Depth (from datum) to well base (DTB): (m)		2.54	Purge Start:		DNAPL Top (from datum) (m):			
	Hole Purged: Yes / No		No	Purge End:		Water Observations:			
	Purge Volume: (ltrs)		Post-Purge (DTW) (m)						
			Post testing remarks:	Samples Taken: Yes / No		No			
				Sample Media: Gas/Water		N/A			
				Gas Cannister Start (mb)					
				Gas Cannister End (mb)					
				Gas Cannister Duration (mins)					
			Depth (from datum)	Sample Ref	Type (EW / G)	Container			
Contract Name:		Lindfield			Data Collected By:		Becky Drewett		
Project Manager / Engineer:					Checked:				
Contract Ref:		52744			Page number:				
TPF210 Issue 6									

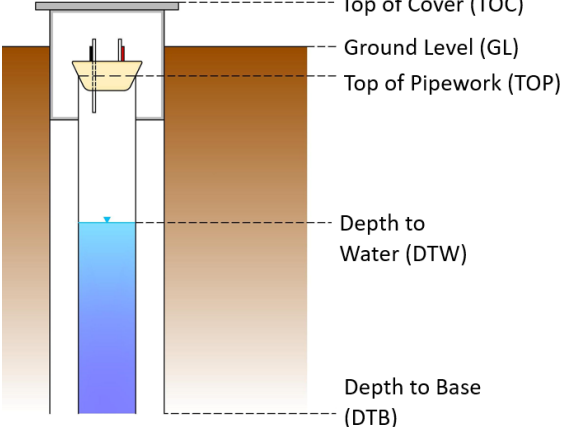
GAS MONITORING FIELD SHEET

Monitoring Date:	19/06/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.24					
Pre-Testing Remarks:		Air Temperature: °C		26	Device:		GA5000			
		Weather:		Sunny	Serial Number:		GA5000			
		Ground Conditions:		Dry	Daily Check:		Yes			
		Wind: NONE / LIGHT / MEDIUM / STRONG		Light						
		Tidal State: (if applicable) High / Low / Rising / Falling		NA						
Exploratory Position ID:		WS03	Monitoring Round Number:		4	Test Number:		1		
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow	Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		35		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single			
Time Start (hh:mm)	11:55	11:51	1017	10.48	Observations (e.g. on-site activities):					
Time End (hh:mm)	11:56	11:55								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)								
0	0	0	0	1.1	19.2	2	0			
5	0	15	0	0.8	19.4	0	0			
10	0.1	30	0	0.8	19.4	0	0			
15	0.1	60	0	0.8	19.4	0	0			
20	0.1	90	0	0.8	19.4	0	0			
25	0.1	120	0	0.8	19.4	0	0			
30	0.1	180	0	0.7	19.4	0	0			
40	0.1	240								
50	0.1	300								
60	0.1	360								
90		420								
120		480								
150		540								
180		600								
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.							
Stage 1 gas flow - Steady State (l/h)										
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:	11:47:00	LNAPL Top (from datum) (m):				
	Depth (from datum) to well base (DTB): (m)		2.42	Purge Start:		DNAPL Top (from datum) (m):				
	Hole Purged: Yes / No		No	Purge End:		Water Observations:				
	Purge Volume: (ltrs)		Post-Purge (DTW) (m)							
				Post testing remarks:	Samples Taken: Yes / No		No			
					Sample Media: Gas/Water		N/A			
					Gas Cannister Start (mb)					
					Gas Cannister End (mb)					
					Gas Cannister Duration (mins)					
				Depth (from datum)	Sample Ref	Type (EW / G)	Container			
		Contract Name:		Lindfield		Data Collected By:		Becky Drewett		
		Project Manager / Engineer:				Checked:				
		Contract Ref:		52744		Page number:				
TPF210 Issue 6										

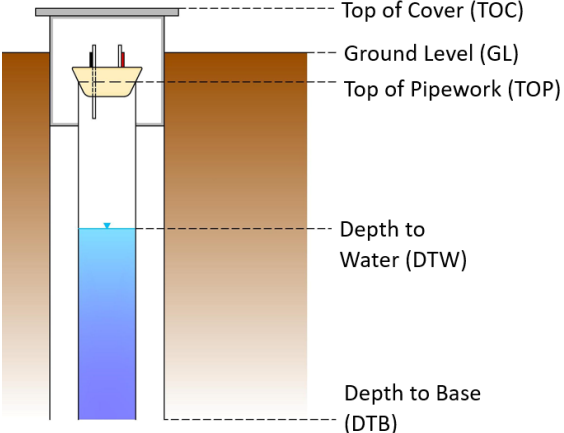
GAS MONITORING FIELD SHEET

Monitoring Date:	19/06/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.29					
Pre-Testing Remarks:		Air Temperature: °C		25	Device:		GA5000			
		Weather:		Sunny	Serial Number:		1			
		Ground Conditions:		Dry	Daily Check:		Yes			
		Wind: NONE / LIGHT / MEDIUM / STRONG		Light						
		Tidal State: (if applicable) High / Low / Rising / Falling		NA						
Exploratory Position ID:		WS04	Monitoring Round Number:		4	Test Number:		1		
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow	Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		35		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single			
Time Start (hh:mm)	11:02	10:58	1021	9.79	Observations (e.g. on-site activities):					
Time End (hh:mm)	11:03	11:01								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)								
0	0.1	0	0	1.1	18.9	0	0			
5	0.1	15	0	1.1	18.9	0	0			
10	0.1	30	0	1.1	18.9	0	1			
15	0.1	60	0	1.1	18.9	0	1			
20	0.1	90	0	1.1	18.9	0	1			
25	0.1	120	0	1.1	18.9	0	1			
30	0.1	180	0	1	18.9	0	1			
40	0.1	240								
50	0.1	300								
60	0.1	360								
90		420								
120		480								
150		540								
180		600								
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.							
Stage 1 gas flow - Steady State (l/h)										
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:	10:54:00	LNAPL Top (from datum) (m):				
	Depth (from datum) to well base (DTB): (m)		2.62	Purge Start:		DNAPL Top (from datum) (m):				
	Hole Purged: Yes / No		No	Purge End:		Water Observations:				
	Purge Volume: (ltrs)		Post-Purge (DTW) (m)							
			Post testing remarks:	Samples Taken: Yes / No		No				
				Sample Media: Gas/Water		N/A				
				Gas Cannister Start (mb)						
				Gas Cannister End (mb)						
				Gas Cannister Duration (mins)						
			Depth (from datum)	Sample Ref	Type (EW / G)	Container				
Contract Name:		Lindfield			Data Collected By:		Becky Drewett			
Project Manager / Engineer:					Checked:					
Contract Ref:		52744			Page number:					
TPF210 Issue 6										

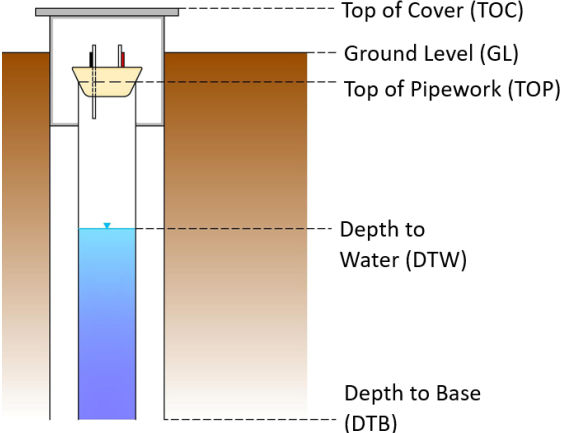
GAS MONITORING FIELD SHEET

Monitoring Date:	19/06/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.23					
Pre-Testing Remarks:		Air Temperature: °C		25	Device:		GA5000			
		Weather:		Sunny	Serial Number:		GA5000			
		Ground Conditions:		Dry	Daily Check:		Yes			
		Wind: NONE / LIGHT / MEDIUM / STRONG		Light						
		Tidal State: (if applicable) High / Low / Rising / Falling		NA						
Exploratory Position ID:		WS05	Monitoring Round Number:		4	Test Number:		1		
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow	Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		35		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single			
Time Start (hh:mm)	11:41	11:35	1017	19.5	Observations (e.g. on-site activities):					
Time End (hh:mm)	11:42	11:40								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)								
0	0	0	0	0.1	20.1	2	0			
5	0	15	0	1.3	19.1	0	0			
10	0	30	0	1.3	19.1	0	0			
15	0	60	0	1.3	19.1	0	0			
20	0	90	0	1.3	19.1	0	0			
25	0	120	0	1.3	19.1	0	0			
30	0	180	0	1.3	19.1	0	0			
40	0	240	0	1.3	19.2	0	0			
50	0	300								
60	0	360								
90		420								
120		480								
150		540								
180		600								
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.							
Stage 1 gas flow - Steady State (l/h)										
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:	11:30:00	LNAPL Top (from datum) (m):				
	Depth (from datum) to well base (DTB): (m)		1.66	Purge Start:		DNAPL Top (from datum) (m):				
	Hole Purged: Yes / No		No	Purge End:		Water Observations:				
	Purge Volume: (ltrs)		Post-Purge (DTW) (m)							
			Post testing remarks:	Samples Taken: Yes / No		No				
				Sample Media: Gas/Water		N/A				
				Gas Cannister Start (mb)						
				Gas Cannister End (mb)						
				Gas Cannister Duration (mins)						
			Depth (from datum)	Sample Ref	Type (EW / G)	Container				
Contract Name:		Lindfield			Data Collected By:		Becky Drewett			
Project Manager / Engineer:					Checked:					
Contract Ref:		52744			Page number:					
TPF210 Issue 6										

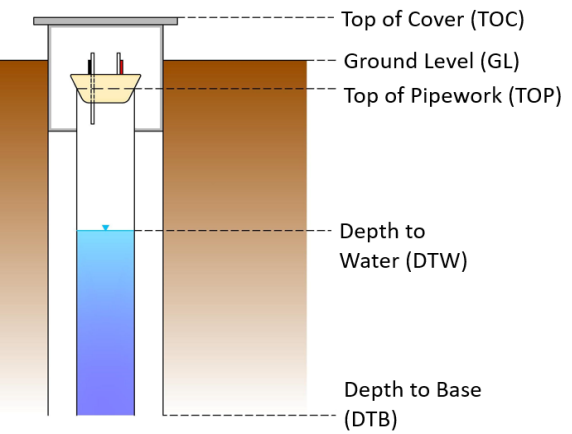
GAS MONITORING FIELD SHEET

Monitoring Date:	19/06/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.23					
Pre-Testing Remarks:		Air Temperature: °C		25	Device:		GA5000			
		Weather:		Sunny	Serial Number:		GA5000			
		Ground Conditions:		Dry	Daily Check:		Yes			
		Wind: NONE / LIGHT / MEDIUM / STRONG		Light						
		Tidal State: (if applicable) High / Low / Rising / Falling		NA						
Exploratory Position ID:		WS07	Monitoring Round Number:		4	Test Number:		1		
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow	Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		35		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single			
Time Start (hh:mm)	10:48	10:43	1021	8.01	Observations (e.g. on-site activities):					
Time End (hh:mm)	10:48	10:47								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)								
0	0	0	0	0.6	19.7	1	0			
5	0.1	15	0	1.4	19.1	0	0			
10	0.1	30	0	1.4	19.1	0	1			
15	0.1	60	0	1.4	19.1	0	1			
20	0.1	90	0	1.4	19.1	0	1			
25	0.1	120	0	1.4	19.1	0	1			
30	0.1	180	0	1.4	19.1	0	1			
40	0.1	240								
50	0.1	300								
60	0.1	360								
90		420								
120		480								
150		540								
180		600								
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.							
Stage 1 gas flow - Steady State (l/h)										
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:	10:39:00	LNAPL Top (from datum) (m):				
	Depth (from datum) to well base (DTB): (m)		2.93	Purge Start:		DNAPL Top (from datum) (m):				
	Hole Purged: Yes / No		No	Purge End:		Water Observations:				
	Purge Volume: (ltrs)		Post-Purge (DTW) (m)							
			Post testing remarks:	Samples Taken: Yes / No		No				
				Sample Media: Gas/Water		N/A				
				Gas Cannister Start (mb)						
				Gas Cannister End (mb)						
				Gas Cannister Duration (mins)						
			Depth (from datum)	Sample Ref	Type (EW / G)	Container				
		Contract Name:		Lindfield		Data Collected By:		Becky Drewett		
		Project Manager / Engineer:				Checked:				
		Contract Ref:		52744		Page number:				
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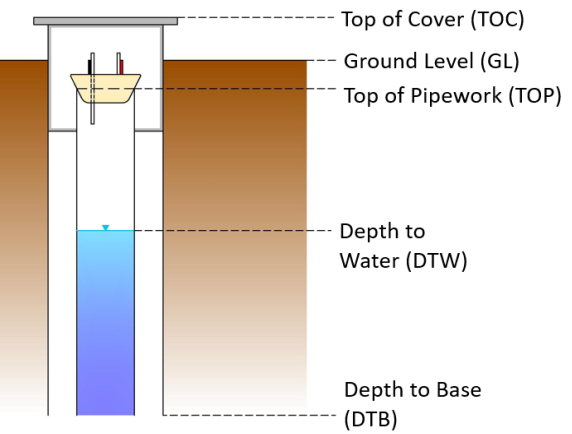
GAS MONITORING FIELD SHEET

Monitoring Date:	19/06/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.46					
Pre-Testing Remarks:		Air Temperature: °C		25	Device:		GA5000			
		Weather:		Sunny	Serial Number:		GA5000			
		Ground Conditions:		Dry	Daily Check:		Yes			
		Wind: NONE / LIGHT / MEDIUM / STRONG		Light						
		Tidal State: (if applicable) High / Low / Rising / Falling		NA						
Exploratory Position ID:		WS08	Monitoring Round Number:		4	Test Number:		1		
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow	Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		35		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single			
Time Start (hh:mm)	10:28	10:23	1021	11.03	Observations (e.g. on-site activities):					
Time End (hh:mm)	10:29	10:26								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)								
0	0	0	0.1	0.1	20.8	0	0			
5	0	15	0.1	0.8	20.2	0	0			
10	0	30	0.1	0.8	20.1	0	0			
15	0	60	0.1	0.8	20.1	0	0			
20	0	90	0.1	0.8	20.1	0	0			
25	0	120	0.1	0.8	20.1	0	0			
30	0	180	0.1	0.8	20.1	0	0			
40	-0.1	240								
50	-0.1	300								
60	-0.1	360								
90		420								
120		480								
150		540								
180		600								
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.							
Stage 1 gas flow - Steady State (l/h)										
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		1.65	Time:	10:17:00	LNAPL Top (from datum) (m):				
	Depth (from datum) to well base (DTB): (m)		4.25	Purge Start:		DNAPL Top (from datum) (m):				
	Hole Purged: Yes / No		No	Purge End:		Water Observations:				
	Purge Volume: (ltrs)		Post-Purge (DTW) (m)							
			Post testing remarks:	Samples Taken: Yes / No		No				
				Sample Media: Gas/Water		N/A				
				Gas Cannister Start (mb)						
				Gas Cannister End (mb)						
				Gas Cannister Duration (mins)						
			Depth (from datum)	Sample Ref	Type (EW / G)	Container				
Contract Name:		Lindfield			Data Collected By:		Becky Drewett			
Project Manager / Engineer:					Checked:					
Contract Ref:		52744			Page number:					
TPF210 Issue 6										

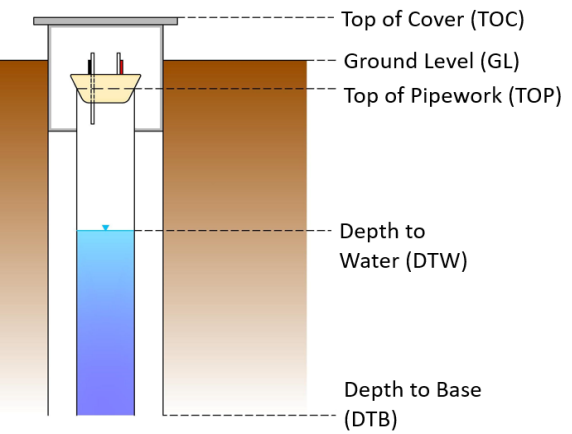
GAS MONITORING FIELD SHEET

Monitoring Date:	26/06/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.3				
Pre-Testing Remarks:			Air Temperature: °C		19		Device:		GA5000
			Weather:		Overcast		Serial Number:		GA5000
			Ground Conditions:		Damp		Daily Check:		
			Wind: NONE / LIGHT / MEDIUM / STRONG				Light		
			Tidal State: (if applicable) High / Low / Rising / Falling				NA		
Exploratory Position ID:		WS01	Monitoring Round Number:		5		Test Number:		1
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow		Pipe Diameter: 19mm / 40mm / 50mm / Other (mm)		30
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Double		
Time Start (hh:mm)	09:50	09:53	1007	-0.14	Observations (e.g. on-site activities):				
Time End (hh:mm)	09:52	09:54							
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0	0	0.1	0.1	20.8	0	0		
5	0	15	0.1	1.4	20	0	0		
10	0	30	0.1	1.4	19.8	0	0		
15	0	60	0.1	1.5	19.8	0	0		
20	0	90	0.1	1.5	19.8	0	0		
25	0	120	0	1.5	19.8	0	0		
30	0	180	0	1.4	19.9	0	0		
40	0	240	0	1.3	19.9	0	0		
50	0	300	0	1.2	20	0	0		
60	0	360	0	1.2	20	0	0		
90		420	0	1.2	20	0	0		
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)									
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:		11:01:00		LNAPL Top (from datum) (m):	
	Depth (from datum) to well base (DTB): (m)		3.32	Purge Start:				DNAPL Top (from datum) (m):	
	Hole Purged: Yes / No		No	Purge End:				Water Observations:	
	Purge Volume: (ltrs)			Post-Purge (DTW) (m)					
			Post testing remarks:		Samples Taken: Yes / No		No		
					Sample Media: Gas/Water		N/A		
			Gas Cannister Start (mb)						
			Gas Cannister End (mb)						
			Gas Cannister Duration (mins)						
			Depth (from datum)	Sample Ref	Type (EW / G)	Container			
Contract Name:		Lindfield		Data Collected By:		William Pitman			
Project Manager / Engineer:				Checked:					
Contract Ref:		52744		Page number:					

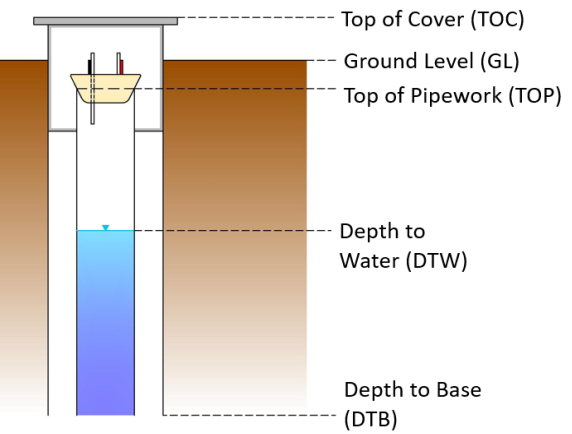
GAS MONITORING FIELD SHEET

Monitoring Date:	26/06/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.3				
Pre-Testing Remarks:		Air Temperature: °C		19		Device:		GA5000	
		Weather:		Cloudy		Serial Number:		GA5000	
		Ground Conditions:		Damp		Daily Check:			
		Wind: NONE / LIGHT / MEDIUM / STRONG				Light			
		Tidal State: (if applicable) High / Low / Rising / Falling				NA			
Exploratory Position ID:		WS02		Monitoring Round Number:		5		Test Number: 1	
Install Type: SINGLE / DOUBLE		Single		Pipe Ref: 1) Shallow 2) Deep		Shallow		Pipe Diameter: 19mm / 40mm / 50mm / Other (mm) 30	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Double		
Time Start (hh:mm)	09:36	09:29	1007	-0.18	Observations (e.g. on-site activities):				
Time End (hh:mm)	09:37	09:36							
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0	0	0.1	0.1	20.7	0	0		
5	0.1	15	0.1	1.2	19.8	0	0		
10	0.1	30	0.1	1.2	19.8	0	0		
15	0.1	60	0.1	1.2	19.8	0	0		
20	0.1	90	0.1	1.2	19.8	0	0		
25	0.1	120	0.1	1.2	19.8	0	0		
30	0.1	180	0.1	1.2	19.8	0	0		
40	0.1	240	0.1	1.1	19.9	0	0		
50	0.1	300	0.1	1.1	19.9	0	0		
60	0.1	360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)									
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		2.42	Time:	09:38:00	LNAPL Top (from datum) (m):			
	Depth (from datum) to well base (DTB): (m)		2.55	Purge Start:		DNAPL Top (from datum) (m):			
	Hole Purged: Yes / No		No	Purge End:		Water Observations:			
	Purge Volume: (ltrs)			Post-Purge (DTW) (m)					
				Post testing remarks:	Samples Taken: Yes / No		No		
					Sample Media: Gas/Water		N/A		
					Gas Cannister Start (mb)				
					Gas Cannister End (mb)				
					Gas Cannister Duration (mins)				
				Depth (from datum)	Sample Ref	Type (EW / G)	Container		
		Contract Name:		Lindfield		Data Collected By:		William Pitman	
		Project Manager / Engineer:				Checked:			
		Contract Ref:		52744		Page number:			
TPF210 Issue 6									

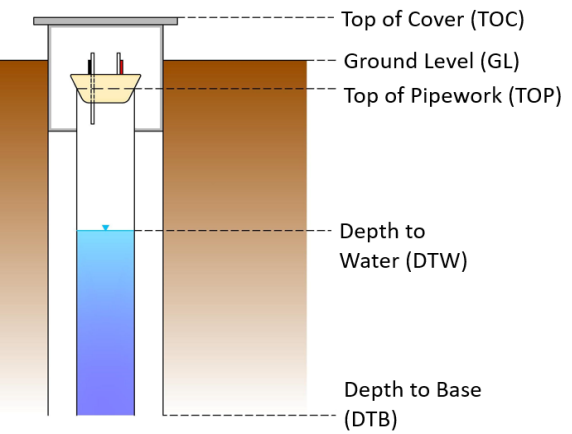
GAS MONITORING FIELD SHEET

Monitoring Date:	26/06/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.25				
Pre-Testing Remarks:		Air Temperature: °C		19		Device:		GA5000	
		Weather:		Overcast		Serial Number:		GA5000	
		Ground Conditions:		Dry		Daily Check:			
		Wind: NONE / LIGHT / MEDIUM / STRONG				Light			
		Tidal State: (if applicable) High / Low / Rising / Falling				NA			
Exploratory Position ID:		WS03		Monitoring Round Number:		5		Test Number: 1	
Install Type: SINGLE / DOUBLE		Single		Pipe Ref: 1) Shallow 2) Deep		Shallow		Pipe Diameter: 19mm / 40mm / 50mm / Other (mm) 30	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Double		
Time Start (hh:mm)	10:15	10:18	1008	-0.11	Observations (e.g. on-site activities):				
Time End (hh:mm)	10:14	10:21							
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0	0	0	0.1	20.7	0	0		
5	0	15	0	0.7	20.4	0	0		
10	0	30	0	0.7	20.4	0	0		
15	0	60	0	0.8	20.3	0	0		
20	0	90	0	0.8	20.4	0	0		
25	0	120	0	0.7	20.4	0	0		
30	0	180	0	0.7	20.4	0	0		
40	0	240	0	0.7	20.4	0	0		
50	0	300	0	0.7	20.5	0	0		
60	0	360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)									
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:	10:11:00	LNAPL Top (from datum) (m):			
	Depth (from datum) to well base (DTB): (m)		2.43	Purge Start:		DNAPL Top (from datum) (m):			
	Hole Purged: Yes / No		No	Purge End:		Water Observations:			
	Purge Volume: (ltrs)			Post-Purge (DTW) (m)					
				Post testing remarks:	Samples Taken: Yes / No		No		
					Sample Media: Gas/Water		N/A		
					Gas Cannister Start (mb)				
					Gas Cannister End (mb)				
					Gas Cannister Duration (mins)				
				Depth (from datum)	Sample Ref	Type (EW / G)	Container		
		Contract Name:		Lindfield		Data Collected By:		William Pitman	
		Project Manager / Engineer:				Checked:			
		Contract Ref:		52744		Page number:			
TPF210 Issue 6									

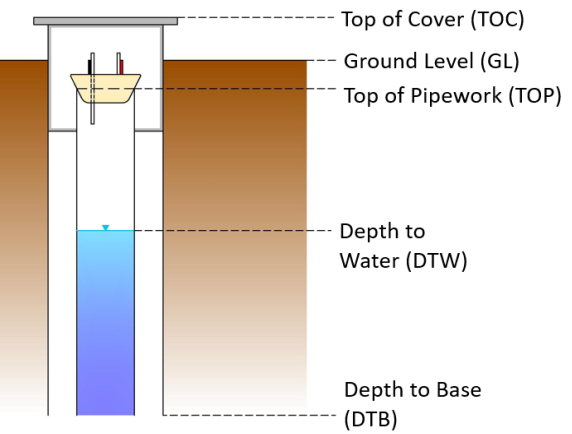
GAS MONITORING FIELD SHEET

Monitoring Date:	26/06/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.3						
Pre-Testing Remarks:		Air Temperature:		19		Device:		GA5000			
		Weather:		Overcast		Serial Number:		GA5000			
		Ground Conditions:		Damp		Daily Check:					
		Wind: NONE / LIGHT / MEDIUM / STRONG				Light					
		Tidal State: (if applicable) High / Low / Rising / Falling				NA					
Exploratory Position ID:		WS04		Monitoring Round Number:		5		Test Number:		1	
Install Type: SINGLE / DOUBLE		Single		Pipe Ref: 1) Shallow 2) Deep		Shallow		Pipe Diameter: 19mm / 40mm / 50mm / Other (mm)		30	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Double				
Time Start (hh:mm)	10:32	10:38	1008	-0.02	Observations (e.g. on-site activities):						
Time End (hh:mm)	10:32	10:39									
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)		
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)									
0	0	0	0	0.1	21	0	0				
5	0	15	0	0.9	20.4	0	0				
10	0	30	0	0.9	20.3	0	0				
15	0	60	0	1	20.3	0	0				
20	0	90	0	1	20.3	0	0				
25	0	120	0	1	20.3	0	0				
30	0	180	0	0.9	20.4	0	0				
40	0	240	0	0.9	20.4	0	0				
50	0	300	0	0.9	2.5	0	0				
60	0	360									
90		420									
120		480									
150		540									
180		600									
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.								
Stage 1 gas flow - Steady State (l/h)											
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY		Time:		10:29:00		LNAPL Top (from datum) (m):		
	Depth (from datum) to well base (DTB): (m)		2.6		Purge Start:				DNAPL Top (from datum) (m):		
	Hole Purged: Yes / No		No		Purge End:				Water Observations:		
	Purge Volume: (ltrs)				Post-Purge (DTW) (m)						
				Post testing remarks:		Samples Taken: Yes / No		No			
						Sample Media: Gas/Water		N/A			
				Gas Cannister Start (mb)							
				Gas Cannister End (mb)							
				Gas Cannister Duration (mins)							
				Depth (from datum)	Sample Ref	Type (EW / G)	Container				
				Contract Name:		Lindfield		Data Collected By:		William Pitman	
				Project Manager / Engineer:				Checked:			
				Contract Ref:		52744		Page number:			
TPF210 Issue 6											

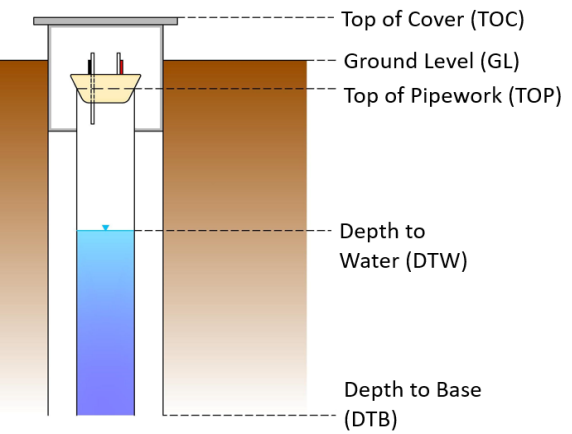
GAS MONITORING FIELD SHEET

Monitoring Date:	26/06/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.23						
Pre-Testing Remarks:			Air Temperature: °C		19		Device:		GA5000		
			Weather:		Overcast		Serial Number:		GA5000		
			Ground Conditions:		Damp		Daily Check:				
			Wind: NONE / LIGHT / MEDIUM / STRONG						Light		
			Tidal State: (if applicable) High / Low / Rising / Falling						NA		
Exploratory Position ID:		WS05	Monitoring Round Number:		5		Test Number:		1		
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow		Pipe Diameter: 19mm / 40mm / 50mm / Other (mm)		30		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Double				
Time Start (hh:mm)	10:54	10:50	1008	-0.11	Observations (e.g. on-site activities):						
Time End (hh:mm)	10:53	11:02									
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)		
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)									
0	0	0	0	0.1	21	0	0				
5	0	15	0	1.1	20.3	0	0				
10	0	30	0	1.1	20.2	0	0				
15	0	60	0	1.2	20.2	0	0				
20	0	90	0	1.2	20.2	0	0				
25	0	120	0	1.2	20.2	0	0				
30	0	180	0	1.1	20.2	0	0				
40	0	240	0	1.1	20.3	0	0				
50	0	300	0	1.1	20.3	0	0				
60	0	360									
90		420									
120		480									
150		540									
180		600									
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.								
Stage 1 gas flow - Steady State (l/h)											
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:		11:04:00		LNAPL Top (from datum) (m):			
	Depth (from datum) to well base (DTB): (m)		1.66	Purge Start:				DNAPL Top (from datum) (m):			
	Hole Purged: Yes / No		No	Purge End:				Water Observations:			
	Purge Volume: (ltrs)			Post-Purge (DTW) (m)							
				Post testing remarks:		Samples Taken: Yes / No		No			
						Sample Media: Gas/Water		N/A			
				Gas Cannister Start (mb)				Gas Cannister End (mb)			
				Gas Cannister Duration (mins)							
				Depth (from datum)	Sample Ref	Type (EW / G)	Container				
		Contract Name:		Lindfield		Data Collected By:		William Pitman			
		Project Manager / Engineer:				Checked:					
		Contract Ref:		52744		Page number:					
TPF210 Issue 6											

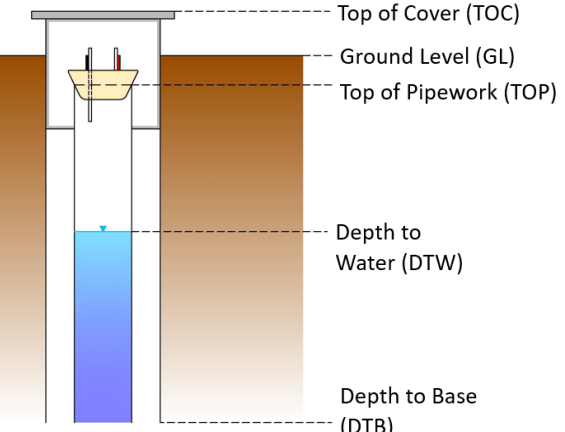
GAS MONITORING FIELD SHEET

Monitoring Date:	26/06/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.3						
Pre-Testing Remarks:			Air Temperature: °C		19		Device:		GA5000		
			Weather:		Overcast/very light		Serial Number:		GA5000		
			Ground Conditions:		Damp		Daily Check:				
			Wind: NONE / LIGHT / MEDIUM / STRONG		Light						
			Tidal State: (if applicable) High / Low / Rising / Falling		NA						
Exploratory Position ID:		WS07	Monitoring Round Number:		5		Test Number:		1		
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow		Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		30		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Double				
Time Start (hh:mm)	11:15	11:18	1008	-0.02	Observations (e.g. on-site activities):						
Time End (hh:mm)	11:19	11:26									
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)		
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)									
0	0	0	0	0.1	21.1	0	0				
5	0	15	0	1.4	20.2	0	0				
10	0	30	0	1.4	20.2	0	0				
15	0	60	0	1.4	20.1	0	0				
20	0	90	0	1.4	20.2	0	0				
25	0	120	0	1.4	20.2	0	0				
30	0	180	0	1.3	20.2	0	0				
40	0	240	0	1.3	20.3	0	0				
50	0	300	0	1.2	20.3	0	0				
60	0	360	0	1.2	20.4	0	0				
90		420									
120		480									
150		540									
180		600									
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.								
Stage 1 gas flow - Steady State (l/h)											
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:		11:26:00		LNAPL Top (from datum) (m):			
	Depth (from datum) to well base (DTB): (m)		2.93	Purge Start:				DNAPL Top (from datum) (m):			
	Hole Purged: Yes / No		No	Purge End:				Water Observations:			
	Purge Volume: (ltrs)			Post-Purge (DTW) (m)							
				Post testing remarks:		Samples Taken: Yes / No		No			
						Sample Media: Gas/Water		N/A			
				Gas Cannister Start (mb)				Gas Cannister End (mb)			
				Gas Cannister Duration (mins)							
				Depth (from datum)	Sample Ref	Type (EW / G)	Container				
		Contract Name:		Lindfield		Data Collected By:		William Pitman			
		Project Manager / Engineer:				Checked:					
		Contract Ref:		52744		Page number:					
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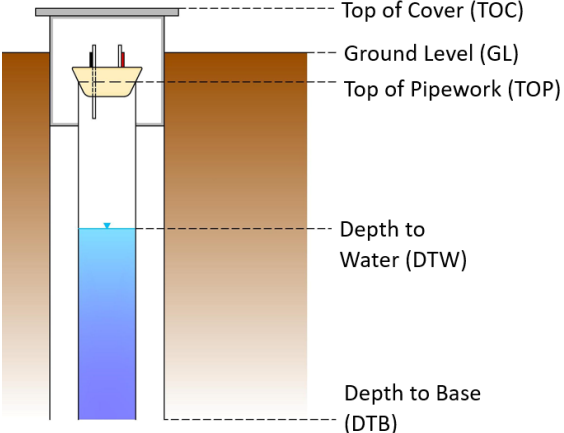
GAS MONITORING FIELD SHEET

Monitoring Date:	26/06/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.45						
Pre-Testing Remarks:		Air Temperature:		20		Device:		GA5000			
		Weather:		Overcast/light rain		Serial Number:		GA5000			
		Ground Conditions:		Damp		Daily Check:					
		Wind: NONE / LIGHT / MEDIUM / STRONG				Light					
		Tidal State: (if applicable) High / Low / Rising / Falling				NA					
Exploratory Position ID:		WS08		Monitoring Round Number:		5		Test Number:		1	
Install Type: SINGLE / DOUBLE		Single		Pipe Ref: 1) Shallow 2) Deep		Shallow		Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		30	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Double				
Time Start (hh:mm)	11:38	11:33	1009	0.05	Observations (e.g. on-site activities):						
Time End (hh:mm)	11:40	11:46									
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)		
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)									
0	0	0	0	0.1	21.1	0	0				
5	0	15	0	0.7	20.6	0	0				
10	0	30	0	0.7	20.6	0	0				
15	0	60	0	0.8	20.6	0	0				
20	0	90	0	0.8	20.5	0	0				
25	0	120	0	0.8	20.5	0	0				
30	0	180	0	0.8	20.6	0	0				
40	0	240	0	0.7	20.6	0	0				
50	0	300	0	0.7	20.6	0	0				
60	0	360	0	0.7	20.6	0	0				
90		420									
120		480									
150		540									
180		600									
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.								
Stage 1 gas flow - Steady State (l/h)											
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		1.69	Time:		11:50:00	LNAPL Top (from datum) (m):				
	Depth (from datum) to well base (DTB): (m)		4.27	Purge Start:			DNAPL Top (from datum) (m):				
	Hole Purged: Yes / No		No	Purge End:			Water Observations:				
	Purge Volume: (ltrs)			Post-Purge (DTW) (m)							
				Post testing remarks:		Samples Taken: Yes / No		No			
						Sample Media: Gas/Water		N/A			
				Gas Cannister Start (mb)							
				Gas Cannister End (mb)							
				Gas Cannister Duration (mins)							
				Depth (from datum)	Sample Ref	Type (EW / G)	Container				
		Contract Name:		Lindfield		Data Collected By:		William Pitman			
		Project Manager / Engineer:				Checked:					
		Contract Ref:		52744		Page number:					
TPF210 Issue 6											

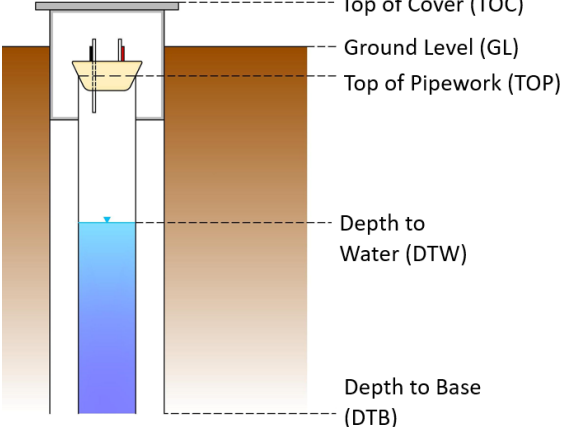
GAS MONITORING FIELD SHEET

Monitoring Date:	29/05/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.32				
Pre-Testing Remarks:		Air Temperature: °C		17		Device:		Gas analyser	
		Weather:		Cloudy		Serial Number:		GA5000	
		Ground Conditions:		Wet		Daily Check:		Yes	
		Wind: NONE / LIGHT / MEDIUM / STRONG				Light			
		Tidal State: (if applicable) High / Low / Rising / Falling				NA			
Exploratory Position ID:		WS01		Monitoring Round Number:		1		Test Number:	
								1	
Install Type: SINGLE / DOUBLE		Single		Pipe Ref: 1) Shallow 2) Deep		Shallow		Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)	
								35	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single		
Time Start (hh:mm)	11:25	11:20	1015	7	Observations (e.g. on-site activities):				
Time End (hh:mm)	11:27	11:25							
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)							
0	0.1	0	0.2	0.1	20.8	0	0		
5	0.1	15	0.2	1.2	20.1	0	0		
10	0.1	30	0.2	1.3	20	0	0		
15	0.1	60	0.2	1.3	19.9	0	0		
20	0.1	90	0.1	1.4	19.9	0	0		
25	0.2	120	0.1	1.3	19.9	0	0		
30	0.2	180	0.1	1.2	19.9	0	0		
40	0.2	240	0.1	1.1	19.9	0	0		
50	0.2	300							
60	0.2	360							
90		420							
120		480							
150		540							
180		600							
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.						
Stage 1 gas flow - Steady State (l/h)									
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:	11:14:00	LNAPL Top (from datum) (m):			
	Depth (from datum) to well base (DTB): (m)		3.32	Purge Start:		DNAPL Top (from datum) (m):			
	Hole Purged: Yes / No		No	Purge End:		Water Observations:			
	Purge Volume: (ltrs)		Post-Purge (DTW) (m)						
				Post testing remarks:	Samples Taken: Yes / No		No		
					Sample Media: Gas/Water		N/A		
					Gas Cannister Start (mb)				
					Gas Cannister End (mb)				
					Gas Cannister Duration (mins)				
				Depth (from datum)	Sample Ref	Type (EW / G)	Container		
		Contract Name:		Lindfield		Data Collected By:		Becky Drewett	
		Project Manager / Engineer:				Checked:			
		Contract Ref:		52744		Page number:			
TPF210 Issue 6									

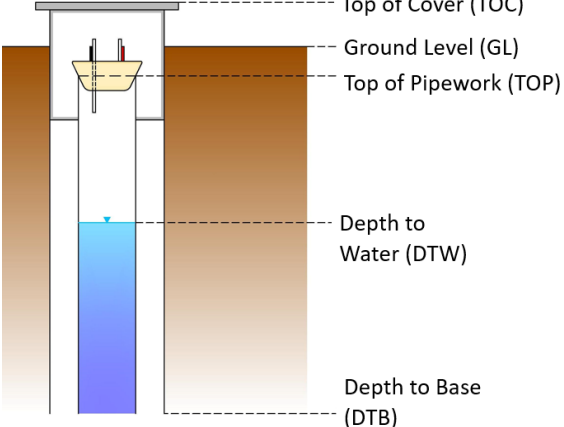
GAS MONITORING FIELD SHEET

Monitoring Date:	29/05/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.28						
Pre-Testing Remarks:		Air Temperature: °C		18	Device:		GA5000				
		Weather:		Cloudy	Serial Number:		GA5000				
		Ground Conditions:		Wet	Daily Check:		Yes				
		Wind: NONE / LIGHT / MEDIUM / STRONG		Light							
		Tidal State: (if applicable) High / Low / Rising / Falling		NA							
Exploratory Position ID:		WS02	Monitoring Round Number:		1	Test Number:		1			
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow	Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		50			
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single				
Time Start (hh:mm)	12:00	11:55	1016	6.95	Observations (e.g. on-site activities):						
Time End (hh:mm)	12:01	11:59									
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)		
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)									
0	0.1	0	0.1	0.1	20.7	0	0				
5	0.1	15	0.1	0.8	20.1	0	0				
10	0.1	30	0.1	0.9	20	0	0				
15	0.1	60	0.1	0.9	19.9	0	0				
20	0.1	90	0	0.9	19.9	0	0				
25	0.1	120	0	0.9	19.9	0	0				
30	0.1	180	0	0.9	19.9	0	0				
40	0.1	240									
50	0.1	300									
60	0.1	360									
90		420									
120		480									
150		540									
180		600									
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.								
Stage 1 gas flow - Steady State (l/h)											
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		2.33	Time:	11:52:00	LNAPL Top (from datum) (m):					
	Depth (from datum) to well base (DTB): (m)		2.55	Purge Start:		DNAPL Top (from datum) (m):					
	Hole Purged: Yes / No		No	Purge End:		Water Observations:					
	Purge Volume: (ltrs)		Post-Purge (DTW) (m)								
			Post testing remarks:	Samples Taken: Yes / No		No					
				Sample Media: Gas/Water		N/A					
				Gas Cannister Start (mb)							
				Gas Cannister End (mb)							
				Gas Cannister Duration (mins)							
			Depth (from datum)	Sample Ref	Type (EW / G)	Container					
Contract Name:		Lindfield			Data Collected By:		Becky Drewett				
Project Manager / Engineer:					Checked:						
Contract Ref:		52744			Page number:						
TPF210 Issue 6											

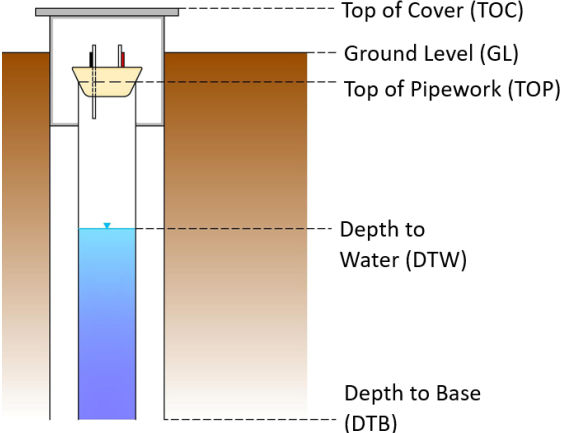
GAS MONITORING FIELD SHEET

Monitoring Date:	29/05/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.23					
Pre-Testing Remarks:		Air Temperature: °C		18	Device:		Gas analyser			
		Weather:		Cloudy	Serial Number:		GA5000			
		Ground Conditions:		Wet	Daily Check:		Yes			
		Wind: NONE / LIGHT / MEDIUM / STRONG		Light						
		Tidal State: (if applicable) High / Low / Rising / Falling		NA						
Exploratory Position ID:		WS03	Monitoring Round Number:		1	Test Number:		1		
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow	Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		35		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single			
Time Start (hh:mm)	12:16	12:13	1016	8.79	Observations (e.g. on-site activities):					
Time End (hh:mm)	12:17	12:15								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)								
0	-0.1	0	0	0.7	19.9	0	0			
5	-0.2	15	0	0.6	20	0	0			
10	-0.2	30	0	0.6	20	0	0			
15	-0.3	60	0	0.6	20	0	0			
20	-0.3	90	0	0.7	20	0	0			
25	-0.3	120	0	0.6	20	0	0			
30	-0.3	180								
40	-0.4	240								
50	-0.4	300								
60	-0.4	360								
90		420								
120		480								
150		540								
180		600								
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.							
Stage 1 gas flow - Steady State (l/h)										
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:	12:09:00	LNAPL Top (from datum) (m):				
	Depth (from datum) to well base (DTB): (m)		2.42	Purge Start:		DNAPL Top (from datum) (m):				
	Hole Purged: Yes / No		No	Purge End:		Water Observations:				
	Purge Volume: (ltrs)		Post-Purge (DTW) (m)							
			Post testing remarks:	Samples Taken: Yes / No		No				
				Sample Media: Gas/Water		N/A				
				Gas Cannister Start (mb)						
				Gas Cannister End (mb)						
				Gas Cannister Duration (mins)						
			Depth (from datum)	Sample Ref	Type (EW / G)	Container				
Contract Name:		Lindfield			Data Collected By:		Becky Drewett			
Project Manager / Engineer:					Checked:					
Contract Ref:		52744			Page number:					
TPF210 Issue 6										

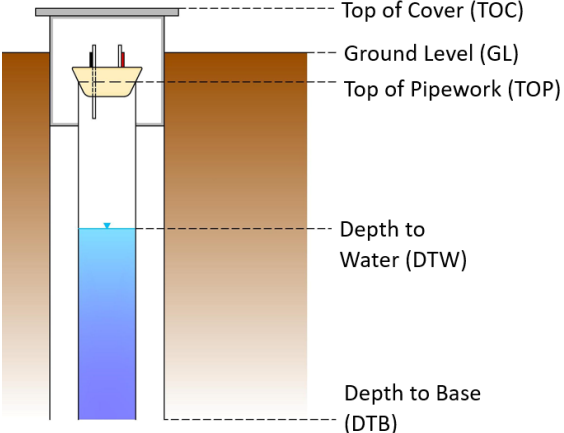
GAS MONITORING FIELD SHEET

Monitoring Date:	29/05/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.29					
Pre-Testing Remarks:			Air Temperature: °C	19	Device:		Gas analyser			
			Weather:		Partly sunny		Serial Number:		GA5000	
			Ground Conditions:		Damp		Daily Check:		Yes	
			Wind: NONE / LIGHT / MEDIUM / STRONG				Light			
			Tidal State: (if applicable) High / Low / Rising / Falling				NA			
Exploratory Position ID:		WS04	Monitoring Round Number:		1		Test Number:		1	
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow		Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		35	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single			
Time Start (hh:mm)	12:40	12:45	1016	0.25	Observations (e.g. on-site activities):					
Time End (hh:mm)	12:49	12:48								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)								
0	0	0	0	0.1	20.7	0	0			
5	0	15	0	0.7	20.2	0	0			
10	0	30	0	0.7	20.2	0	0			
15	0.1	60	0	0.7	20.2	0	0			
20	0.1	90	0	0.7	20.2	0	0			
25	0.1	120	0	0.7	20.2	0	0			
30	0.1	180								
40	0.1	240								
50	0.1	300								
60	0.1	360								
90		420								
120		480								
150		540								
180		600								
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.							
Stage 1 gas flow - Steady State (l/h)										
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:	12:40:00	LNAPL Top (from datum) (m):				
	Depth (from datum) to well base (DTB): (m)		2.6	Purge Start:		DNAPL Top (from datum) (m):				
	Hole Purged: Yes / No		No	Purge End:		Water Observations:				
	Purge Volume: (ltrs)		Post-Purge (DTW) (m)							
				Post testing remarks:	Samples Taken: Yes / No		No			
					Sample Media: Gas/Water		N/A			
				Gas Cannister Start (mb)						
				Gas Cannister End (mb)						
				Gas Cannister Duration (mins)						
				Depth (from datum)	Sample Ref	Type (EW / G)	Container			
Contract Name:		Lindfield			Data Collected By:		Becky Drewett			
Project Manager / Engineer:					Checked:					
Contract Ref:		52744			Page number:					
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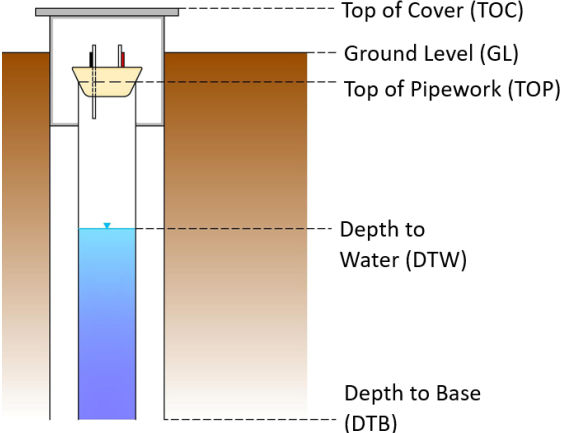
GAS MONITORING FIELD SHEET

Monitoring Date:	29/05/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.23					
Pre-Testing Remarks:		Air Temperature: °C		19	Device:		Gas analyser			
		Weather:		Cloudy	Serial Number:		GA5000			
		Ground Conditions:		Damp	Daily Check:		Yes			
		Wind: NONE / LIGHT / MEDIUM / STRONG		Light						
		Tidal State: (if applicable) High / Low / Rising / Falling		NA						
Exploratory Position ID:		WS05	Monitoring Round Number:		1	Test Number:		1		
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow	Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		35		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single			
Time Start (hh:mm)	13:35	13:40	1015	9.63	Observations (e.g. on-site activities):					
Time End (hh:mm)	13:46	13:44								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)								
0	0	0	0.1	0.1	21	1	0			
5	0	15	0	1.1	20.3	0	0			
10	0	30	0	1.1	20.2	0	0			
15	0	60	0	1.2	20.1	0	0			
20	0	90	0	1.2	20.1	0	0			
25	0	120	0	1.2	20.1	0	0			
30	0	180	0	1.2	20.1	0	0			
40	0.1	240								
50	0.1	300								
60	0.1	360								
90		420								
120		480								
150		540								
180		600								
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.							
Stage 1 gas flow - Steady State (l/h)										
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:	13:35:00	LNAPL Top (from datum) (m):				
	Depth (from datum) to well base (DTB): (m)		1.66	Purge Start:		DNAPL Top (from datum) (m):				
	Hole Purged: Yes / No		No	Purge End:		Water Observations:				
	Purge Volume: (ltrs)		Post-Purge (DTW) (m)							
			Post testing remarks:	Samples Taken: Yes / No		No				
				Sample Media: Gas/Water		N/A				
				Gas Cannister Start (mb)						
				Gas Cannister End (mb)						
				Gas Cannister Duration (mins)						
			Depth (from datum)	Sample Ref	Type (EW / G)	Container				
Contract Name:		Lindfield			Data Collected By:		Becky Drewett			
Project Manager / Engineer:					Checked:					
Contract Ref:		52744			Page number:					
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GAS MONITORING FIELD SHEET

Monitoring Date:	29/05/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.33					
Pre-Testing Remarks:		Air Temperature: °C		19	Device:		Gas analyser			
		Weather:		Partly sunny		Serial Number:		1		
		Ground Conditions:		Dry		Daily Check:		Yes		
		Wind: NONE / LIGHT / MEDIUM / STRONG				Light				
		Tidal State: (if applicable) High / Low / Rising / Falling				NA				
Exploratory Position ID:		WS07	Monitoring Round Number:		1		Test Number:		1	
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow		Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		35	
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single			
Time Start (hh:mm)	15:26	15:21	1016	-0.02	Observations (e.g. on-site activities):					
Time End (hh:mm)	15:27	15:25								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)								
0	0	0	0.1	0.1	20.9	3	0			
5	0	15	0.1	0.7	20.3	0	0			
10	0	30	0.1	0.7	20.3	0	0			
15	0	60	0.1	0.7	20.3	0	0			
20	0	90	0	0.7	20.4	0	0			
25	0	120	0	0.7	20.4	0	0			
30	0	180	0	0.6	20.4	0	0			
40	0	240								
50	0	300								
60	0	360								
90		420								
120		480								
150		540								
180		600								
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.							
Stage 1 gas flow - Steady State (l/h)										
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		DRY	Time:	15:15:00	LNAPL Top (from datum) (m):				
	Depth (from datum) to well base (DTB): (m)		2.93	Purge Start:		DNAPL Top (from datum) (m):				
	Hole Purged: Yes / No		No	Purge End:		Water Observations:				
	Purge Volume: (ltrs)		Post-Purge (DTW) (m)							
			Post testing remarks:	Samples Taken: Yes / No		No				
				Sample Media: Gas/Water		N/A				
				Gas Cannister Start (mb)						
				Gas Cannister End (mb)						
				Gas Cannister Duration (mins)						
			Depth (from datum)	Sample Ref	Type (EW / G)	Container				
Contract Name:		Lindfield			Data Collected By:		Becky Drewett			
Project Manager / Engineer:					Checked:					
Contract Ref:		52744			Page number:					
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GAS MONITORING FIELD SHEET

Monitoring Date:	29/05/2025	Measurement datum: TOC / GL / TOP / Other	TOP	Offset to GL (m):	0.3					
Pre-Testing Remarks:		Air Temperature: °C		19	Device:		Gas analyser			
		Weather:		Partly sunny	Serial Number:		GA5000			
		Ground Conditions:		Damp	Daily Check:		Yes			
		Wind: NONE / LIGHT / MEDIUM / STRONG		Light						
		Tidal State: (if applicable) High / Low / Rising / Falling		NA						
Exploratory Position ID:		WS08	Monitoring Round Number:		1	Test Number:		1		
Install Type: SINGLE / DOUBLE		Single	Pipe Ref: 1) Shallow 2) Deep		Shallow	Pipe Diameter: 19mm/ 40mm / 50mm / Other (mm)		35		
Time of Monitoring (hh:mm)	Flow readings	Gas readings	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE		Single			
Time Start (hh:mm)	16:10	16:05	1016	5.75	Observations (e.g. on-site activities):					
Time End (hh:mm)	16:11	16:09								
Stage 1 Flow Readings	Stage 1 Flow Readings	Stage 2 Gas Monitoring:	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	LEL (%)	PID (ppm)	
Time of flow monitoring (sec)	Flow Reading (l/hr)	Time of gas monitoring (sec)								
0	0	0	0	0.1	21	1	0			
5	0	15	0	0.4	20.7	0	0			
10	0.1	30	0	0.4	20.7	0	0			
15	0.1	60	0	0.4	20.7	0	0			
20	0.1	90	0	0.5	20.7	0	0			
25	0.1	120	0	0.5	20.7	0	0			
30	0.1	180	0	0.4	20.7	0	0			
40	0.1	240	0	0.4	20.7	0	0			
50	0.1	300								
60	0.1	360								
90		420								
120		480								
150		540								
180		600								
Stage 1 gas flow - Peak (l/h)			Note: Flow should be recorded at 5 second intervals up to 30 seconds, 10 second intervals to 2 minutes and 30 second intervals up to 3 minutes or until steady-state readings are obtained. Typically, steady state conditions occur within 30 seconds to a minute. The differential pressure reading (in Pa) should also be recorded during this period.							
Stage 1 gas flow - Steady State (l/h)										
STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water (DTW): (m)		1.56	Time:	16:10:00	LNAPL Top (from datum) (m):				
	Depth (from datum) to well base (DTB): (m)		4.37	Purge Start:		DNAPL Top (from datum) (m):				
	Hole Purged: Yes / No		No	Purge End:		Water Observations:				
	Purge Volume: (ltrs)		Post-Purge (DTW) (m)							
			Post testing remarks:	Samples Taken: Yes / No		No				
				Sample Media: Gas/Water		N/A				
				Gas Cannister Start (mb)						
				Gas Cannister End (mb)						
				Gas Cannister Duration (mins)						
			Depth (from datum)	Sample Ref	Type (EW / G)	Container				
		Contract Name:		Lindfield		Data Collected By:		Becky Drewett		
		Project Manager / Engineer:				Checked:				
		Contract Ref:		52744		Page number:				
TPF210 Issue 6										

Appendix J

LABORATORY CERTIFICATES OF ANALYSIS

J 1. Soil Sample Chemical Analysis

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 25/05518
Issue Number: 1
Date: 06 June, 2025

Client: RSK Environment Ltd Tonbridge
Anerley Court, Half Moon Lane, Hildenborough
Tonbridge
Kent
TN11 9HU

Project Manager: Becky Drewett/Niki Dubber
Project Name: Scamps Hill, Lindfield, West Sussex
Project Ref: 52744
Order No: N/A
Date Samples Received: 22/05/25
Date Instructions Received: 28/05/25
Date Analysis Completed: 06/06/25

Approved by:



Richard Wong
Client Manager

Envirolab Job Number: 25/05518

Client Project Name: Scamps Hill, Lindfield, West Sussex

Client Project Ref: 52744

Lab Sample ID	25/05518/1	25/05518/3	25/05518/4	25/05518/5	25/05518/6	25/05518/7	25/05518/9	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP01	TP03	TP04	TP05	TP07	TP08	WS02			
Depth to Top	0.10	0.20	0.20	0.10	0.20	0.20	0.20			
Depth To Bottom	0.30	0.40	0.40	0.30	0.40	0.40	0.40			
Date Sampled	20-May-25	20-May-25	20-May-25	20-May-25	20-May-25	20-May-25	22-May-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4AE	4AE	4AE	4AE	4AE	4AE	4AE			
% Stones >10mm _A	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	% w/w	0.1	A-T-044
pH _D ^{M#}	6.19	6.12	-	5.75	-	5.56	5.51	pH	0.01	A-T-031s
Sulphate (water sol 2:1) _D ^{M#}	0.02	<0.01	-	<0.01	-	<0.01	<0.01	g/l	0.01	A-T-026s
Sulphate (acid soluble) _D ^{M#}	260	280	-	340	-	350	310	mg/kg	200	A-T-028s
Total Organic Carbon _D ^{M#}	0.97	1.25	-	1.34	-	1.50	1.47	% w/w	0.08	A-T-032s
Arsenic _D ^{M#}	3	3	-	3	-	2	4	mg/kg	1	A-T-024s
Cadmium _D ^{M#}	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	mg/kg	0.5	A-T-024s
Copper _D ^{M#}	6	8	-	10	-	8	25	mg/kg	1	A-T-024s
Chromium _D ^{M#}	10	11	-	9	-	9	9	mg/kg	1	A-T-024s
Lead _D ^{M#}	18	30	-	64	-	26	87	mg/kg	1	A-T-024s
Mercury _D	<0.17	<0.17	-	<0.17	-	<0.17	<0.17	mg/kg	0.17	A-T-024s
Nickel _D ^{M#}	5	7	-	5	-	12	5	mg/kg	1	A-T-024s
Selenium _D ^{M#}	<1	<1	-	<1	-	<1	<1	mg/kg	1	A-T-024s
Zinc _D ^{M#}	18	27	-	20	-	26	21	mg/kg	1	A-T-024s

Envirolab Job Number: 25/05518

Client Project Name: Scamps Hill, Lindfield, West Sussex

Client Project Ref: 52744

Lab Sample ID	25/05518/1	25/05518/3	25/05518/4	25/05518/5	25/05518/6	25/05518/7	25/05518/9	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP01	TP03	TP04	TP05	TP07	TP08	WS02			
Depth to Top	0.10	0.20	0.20	0.10	0.20	0.20	0.20			
Depth To Bottom	0.30	0.40	0.40	0.30	0.40	0.40	0.40			
Date Sampled	20-May-25	20-May-25	20-May-25	20-May-25	20-May-25	20-May-25	22-May-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4AE	4AE	4AE	4AE	4AE	4AE	4AE			
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil _D [#]	NAD	NAD	-	NAD	-	NAD	NAD			A-T-045
Asbestos Matrix (visual) _D	-	-	-	-	-	-	-			A-T-045
Asbestos Matrix (microscope) _D	-	-	-	-	-	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test? _D	N/A	N/A	-	N/A	-	N/A	N/A			A-T-045
OCP+OPP Combined Pest Suite (incl. Atrazine and Simazine)										
Dichlobenil _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Tecnazene _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Trifluralin _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
alpha-Hexachlorocyclohexane (HCH) _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Hexachlorobenzene (HCB) _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Simazine _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Atrazine _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
beta-Hexachlorocyclohexane (HCH) _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Quintozene (PCNB) _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Chlorothalonil _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
delta-Hexachlorocyclohexane (HCH) _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Triallate _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Heptachlor _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Aldrin _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Triadimefon _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Telodrin _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Isodrin _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Pendimethalin _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Heptachlor epoxide _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
trans-Chlordane (Gamma) _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
o,p-DDE (2,4) _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Endosulphan I (Alpha) _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
cis-Chlordane (Alpha) _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
p,p-DDE (4,4) _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Dieldrin _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056

Envirolab Job Number: 25/05518

Client Project Name: Scamps Hill, Lindfield, West Sussex

Client Project Ref: 52744

Lab Sample ID	25/05518/1	25/05518/3	25/05518/4	25/05518/5	25/05518/6	25/05518/7	25/05518/9	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP01	TP03	TP04	TP05	TP07	TP08	WS02			
Depth to Top	0.10	0.20	0.20	0.10	0.20	0.20	0.20			
Depth To Bottom	0.30	0.40	0.40	0.30	0.40	0.40	0.40			
Date Sampled	20-May-25	20-May-25	20-May-25	20-May-25	20-May-25	20-May-25	22-May-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4AE	4AE	4AE	4AE	4AE	4AE	4AE			
o,p-DDD (2,4) _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Endrin _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Endosulphan II (Beta) _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
p,p-DDD (4,4) _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
o,p-DDT (2,4) _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Endrin Aldehyde _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Endrin Ketone _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Endosulphan Sulphate _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
p,p-DDT (4,4) _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
o,p-Methoxychlor _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
p,p-Methoxychlor _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Permethrin I (cis) _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Permethrin II (trans) _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Dichlorvos _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Mevinphos _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Demeton-S _A	-	-	<0.50	-	<0.50	-	<0.50	mg/kg	0.5	A-T-056
Demeton-O _A	-	-	<0.50	-	<0.50	-	<0.50	mg/kg	0.5	A-T-056
Phorate _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Dimethoate _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Propetamphos _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Diazinon (Dimpylate) _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Disulfoton _A	-	-	<0.10	-	<0.10	-	<0.10	mg/kg	0.1	A-T-056
Chlorpyrifos-methyl _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Parathion (Ethyl Parathion) _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Methyl Parathion _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Pirimiphos-methyl _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Fenitrothion _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Fensulphothion _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Fenthion _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Malathion _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Chlorfenvinphos _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Chlorpyrifos _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Trichloronate _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Prothiofos (Tokuthion) _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056

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Lab Sample ID	25/05518/1	25/05518/3	25/05518/4	25/05518/5	25/05518/6	25/05518/7	25/05518/9	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP01	TP03	TP04	TP05	TP07	TP08	WS02			
Depth to Top	0.10	0.20	0.20	0.10	0.20	0.20	0.20			
Depth To Bottom	0.30	0.40	0.40	0.30	0.40	0.40	0.40			
Date Sampled	20-May-25	20-May-25	20-May-25	20-May-25	20-May-25	20-May-25	22-May-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4AE	4AE	4AE	4AE	4AE	4AE	4AE			
Ethion _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Triazophos _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Carbophenothion _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Phosalone _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Azinphos-methyl _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Azinphos-ethyl _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Coumaphos _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
gamma-Hexachlorocyclohexane (HCH) _A	-	-	<0.01	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056

Envirolab Job Number: 25/05518

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Client Project Ref: 52744

Lab Sample ID	25/05518/1	25/05518/3	25/05518/4	25/05518/5	25/05518/6	25/05518/7	25/05518/9	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP01	TP03	TP04	TP05	TP07	TP08	WS02			
Depth to Top	0.10	0.20	0.20	0.10	0.20	0.20	0.20			
Depth To Bottom	0.30	0.40	0.40	0.30	0.40	0.40	0.40			
Date Sampled	20-May-25	20-May-25	20-May-25	20-May-25	20-May-25	20-May-25	22-May-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4AE	4AE	4AE	4AE	4AE	4AE	4AE			
PAH-16MS										
Acenaphthene _A ^{M#}	<0.01	<0.01	-	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-019s
Acenaphthylene _A ^{M#}	<0.01	<0.01	-	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-019s
Anthracene _A ^{M#}	<0.02	<0.02	-	<0.02	-	<0.02	<0.02	mg/kg	0.02	A-T-019s
Benzo(a)anthracene _A ^{M#}	<0.04	<0.04	-	0.06	-	<0.04	<0.04	mg/kg	0.04	A-T-019s
Benzo(a)pyrene _A ^{M#}	<0.04	<0.04	-	0.07	-	<0.04	<0.04	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	<0.05	<0.05	-	0.09	-	0.06	<0.05	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene _A ^{M#}	<0.05	<0.05	-	<0.05	-	<0.05	<0.05	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	<0.07	<0.07	-	<0.07	-	<0.07	<0.07	mg/kg	0.07	A-T-019s
Chrysene _A ^{M#}	<0.06	<0.06	-	0.08	-	<0.06	<0.06	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	<0.04	<0.04	-	<0.04	-	<0.04	<0.04	mg/kg	0.04	A-T-019s
Fluoranthene _A ^{M#}	<0.08	<0.08	-	0.15	-	0.10	<0.08	mg/kg	0.08	A-T-019s
Fluorene _A ^{M#}	<0.01	<0.01	-	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	<0.03	<0.03	-	0.05	-	<0.03	<0.03	mg/kg	0.03	A-T-019s
Naphthalene _A ^{M#}	<0.03	<0.03	-	<0.03	-	<0.03	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene _A ^{M#}	<0.03	<0.03	-	0.05	-	<0.03	<0.03	mg/kg	0.03	A-T-019s
Pyrene _A ^{M#}	<0.07	<0.07	-	0.14	-	0.09	<0.07	mg/kg	0.07	A-T-019s
Total PAH-16MS _A ^{M#}	<0.08	<0.08	-	0.69	-	0.25	<0.08	mg/kg	0.01	A-T-019s

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Lab Sample ID	25/05518/1	25/05518/3	25/05518/4	25/05518/5	25/05518/6	25/05518/7	25/05518/9	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP01	TP03	TP04	TP05	TP07	TP08	WS02			
Depth to Top	0.10	0.20	0.20	0.10	0.20	0.20	0.20			
Depth To Bottom	0.30	0.40	0.40	0.30	0.40	0.40	0.40			
Date Sampled	20-May-25	20-May-25	20-May-25	20-May-25	20-May-25	20-May-25	22-May-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4AE	4AE	4AE	4AE	4AE	4AE	4AE			
TPH CWG with Clean Up										
Ali >C5-C6 _A	<0.01	<0.01	-	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C6-C8 _A	<0.01	<0.01	-	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10 _A	<1	<1	-	<1	-	<1	<1	mg/kg	1	A-T-055s
Ali >C10-C12 _A ^{M#}	<1	<1	-	<1	-	<1	<1	mg/kg	1	A-T-055s
Ali >C12-C16 _A ^{M#}	<1	<1	-	<1	-	<1	<1	mg/kg	1	A-T-055s
Ali >C16-C21 _A ^{M#}	<1	<1	-	<1	-	<1	<1	mg/kg	1	A-T-055s
Ali >C21-C35 _A ^{M#}	2	2	-	2	-	4	5	mg/kg	1	A-T-055s
Total Aliphatics _A	2	2	-	2	-	4	5	mg/kg	1	Calc-As Recd
Aro >C5-C7 _A [#]	<0.01	<0.01	-	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8 _A [#]	<0.01	<0.01	-	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10 _A	<1	<1	-	<1	-	<1	<1	mg/kg	1	A-T-055s
Aro >C10-C12 _A	<1	<1	-	<1	-	<1	<1	mg/kg	1	A-T-055s
Aro >C12-C16 _A	<1	<1	-	<1	-	<1	<1	mg/kg	1	A-T-055s
Aro >C16-C21 _A ^{M#}	<1	<1	-	<1	-	1	1	mg/kg	1	A-T-055s
Aro >C21-C35 _A ^{M#}	<1	1	-	2	-	5	4	mg/kg	1	A-T-055s
Total Aromatics _A	<1	1	-	2	-	6	5	mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35) _A	2	4	-	5	-	10	10	mg/kg	1	Calc-As Recd
BTEX - Benzene _A [#]	<0.01	<0.01	-	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene _A [#]	<0.01	<0.01	-	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	<0.01	-	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	<0.01	-	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene _A [#]	<0.01	<0.01	-	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-022s
MTBE _A [#]	<0.01	<0.01	-	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-022s

Envirolab Job Number: 25/05518

Client Project Name: Scamps Hill, Lindfield, West Sussex

Client Project Ref: 52744

Lab Sample ID	25/05518/10	25/05518/12	25/05518/13	25/05518/14	25/05518/15	25/05518/16		Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS03	WS04	WS05	WS06	WS07	WS08				
Depth to Top	0.10	0.10	0.10	0.10	0.20	0.20				
Depth To Bottom	0.30	0.30	0.30	0.30	0.40	0.40				
Date Sampled	22-May-25	22-May-25	22-May-25	22-May-25	22-May-25	22-May-25				
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES				
Sample Matrix Code	4AE	4AE	4AE	4AE	4AE	4AE				
% Stones >10mm _A	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		% w/w	0.1	A-T-044
pH _D ^{M#}	5.54	6.42	5.51	5.53	8.48	5.78		pH	0.01	A-T-031s
Sulphate (water sol 2:1) _D ^{M#}	<0.01	<0.01	<0.01	<0.01	-	<0.01		g/l	0.01	A-T-026s
Sulphate (acid soluble) _D ^{M#}	420	380	270	290	-	230		mg/kg	200	A-T-028s
Total Organic Carbon _D ^{M#}	2.04	1.68	1.39	1.23	2.15	1.07		% w/w	0.08	A-T-032s
Arsenic _D ^{M#}	3	3	2	4	-	2		mg/kg	1	A-T-024s
Cadmium _D ^{M#}	<0.5	<0.5	<0.5	<0.5	-	<0.5		mg/kg	0.5	A-T-024s
Copper _D ^{M#}	9	9	6	8	-	6		mg/kg	1	A-T-024s
Chromium _D ^{M#}	9	11	5	9	-	7		mg/kg	1	A-T-024s
Lead _D ^{M#}	36	36	23	23	-	25		mg/kg	1	A-T-024s
Mercury _D	<0.17	<0.17	1.12	<0.17	-	<0.17		mg/kg	0.17	A-T-024s
Nickel _D ^{M#}	5	6	3	4	-	7		mg/kg	1	A-T-024s
Selenium _D ^{M#}	<1	<1	<1	<1	-	<1		mg/kg	1	A-T-024s
Zinc _D ^{M#}	24	26	14	16	-	16		mg/kg	1	A-T-024s

Envirolab Job Number: 25/05518

Client Project Name: Scamps Hill, Lindfield, West Sussex

Client Project Ref: 52744

Lab Sample ID	25/05518/10	25/05518/12	25/05518/13	25/05518/14	25/05518/15	25/05518/16		Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS03	WS04	WS05	WS06	WS07	WS08				
Depth to Top	0.10	0.10	0.10	0.10	0.20	0.20				
Depth To Bottom	0.30	0.30	0.30	0.30	0.40	0.40				
Date Sampled	22-May-25	22-May-25	22-May-25	22-May-25	22-May-25	22-May-25				
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES				
Sample Matrix Code	4AE	4AE	4AE	4AE	4AE	4AE				
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil _D [#]	NAD	NAD	NAD	NAD	-	NAD				A-T-045
Asbestos Matrix (visual) _D	-	-	-	-	-	-				A-T-045
Asbestos Matrix (microscope) _D	-	-	-	-	-	-				A-T-045
Asbestos ACM - Suitable for Water Absorption Test? _D	N/A	N/A	N/A	N/A	-	N/A				A-T-045

Envirolab Job Number: 25/05518

Client Project Name: Scamps Hill, Lindfield, West Sussex

Client Project Ref: 52744

Lab Sample ID	25/05518/10	25/05518/12	25/05518/13	25/05518/14	25/05518/15	25/05518/16		Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS03	WS04	WS05	WS06	WS07	WS08				
Depth to Top	0.10	0.10	0.10	0.10	0.20	0.20				
Depth To Bottom	0.30	0.30	0.30	0.30	0.40	0.40				
Date Sampled	22-May-25	22-May-25	22-May-25	22-May-25	22-May-25	22-May-25				
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES				
Sample Matrix Code	4AE	4AE	4AE	4AE	4AE	4AE				
PAH-16MS										
Acenaphthene _A ^{M#}	<0.01	<0.01	<0.01	<0.01	-	<0.01		mg/kg	0.01	A-T-019s
Acenaphthylene _A ^{M#}	<0.01	<0.01	<0.01	<0.01	-	<0.01		mg/kg	0.01	A-T-019s
Anthracene _A ^{M#}	<0.02	<0.02	<0.02	0.04	-	<0.02		mg/kg	0.02	A-T-019s
Benzo(a)anthracene _A ^{M#}	<0.04	<0.04	<0.04	0.10	-	0.09		mg/kg	0.04	A-T-019s
Benzo(a)pyrene _A ^{M#}	<0.04	<0.04	<0.04	0.08	-	0.11		mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	<0.05	<0.05	<0.05	0.10	-	0.14		mg/kg	0.05	A-T-019s
Benzo(ghi)perylene _A ^{M#}	<0.05	<0.05	<0.05	<0.05	-	0.06		mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	<0.07	<0.07	<0.07	<0.07	-	<0.07		mg/kg	0.07	A-T-019s
Chrysene _A ^{M#}	<0.06	<0.06	<0.06	0.11	-	0.14		mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	<0.04	<0.04	<0.04	<0.04	-	<0.04		mg/kg	0.04	A-T-019s
Fluoranthene _A ^{M#}	<0.08	<0.08	<0.08	0.25	-	0.26		mg/kg	0.08	A-T-019s
Fluorene _A ^{M#}	<0.01	<0.01	<0.01	<0.01	-	<0.01		mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	<0.03	<0.03	<0.03	0.04	-	0.07		mg/kg	0.03	A-T-019s
Naphthalene _A ^{M#}	<0.03	<0.03	<0.03	<0.03	-	<0.03		mg/kg	0.03	A-T-019s
Phenanthrene _A ^{M#}	<0.03	<0.03	<0.03	0.13	-	0.08		mg/kg	0.03	A-T-019s
Pyrene _A ^{M#}	<0.07	<0.07	<0.07	0.20	-	0.22		mg/kg	0.07	A-T-019s
Total PAH-16MS _A ^{M#}	<0.08	<0.08	<0.08	1.05	-	1.17		mg/kg	0.01	A-T-019s

Envirolab Job Number: 25/05518

Client Project Name: Scamps Hill, Lindfield, West Sussex

Client Project Ref: 52744

Lab Sample ID	25/05518/10	25/05518/12	25/05518/13	25/05518/14	25/05518/15	25/05518/16		Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS03	WS04	WS05	WS06	WS07	WS08				
Depth to Top	0.10	0.10	0.10	0.10	0.20	0.20				
Depth To Bottom	0.30	0.30	0.30	0.30	0.40	0.40				
Date Sampled	22-May-25	22-May-25	22-May-25	22-May-25	22-May-25	22-May-25				
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES				
Sample Matrix Code	4AE	4AE	4AE	4AE	4AE	4AE				
TPH CWG with Clean Up										
Ali >C5-C6 _A	<0.01	<0.01	<0.01	<0.01	-	<0.01		mg/kg	0.01	A-T-022s
Ali >C6-C8 _A	<0.01	<0.01	<0.01	<0.01	-	<0.01		mg/kg	0.01	A-T-022s
Ali >C8-C10 _A	<1	<1	<1	<1	-	<1		mg/kg	1	A-T-055s
Ali >C10-C12 _A ^{M#}	<1	<1	<1	<1	-	<1		mg/kg	1	A-T-055s
Ali >C12-C16 _A ^{M#}	<1	<1	<1	<1	-	<1		mg/kg	1	A-T-055s
Ali >C16-C21 _A ^{M#}	<1	<1	<1	<1	-	<1		mg/kg	1	A-T-055s
Ali >C21-C35 _A ^{M#}	4	4	5	2	-	4		mg/kg	1	A-T-055s
Total Aliphatics _A	4	4	5	2	-	4		mg/kg	1	Calc-As Recd
Aro >C5-C7 _A [#]	<0.01	<0.01	<0.01	<0.01	-	<0.01		mg/kg	0.01	A-T-022s
Aro >C7-C8 _A [#]	<0.01	<0.01	<0.01	<0.01	-	<0.01		mg/kg	0.01	A-T-022s
Aro >C8-C10 _A	<1	<1	<1	<1	-	<1		mg/kg	1	A-T-055s
Aro >C10-C12 _A	<1	<1	<1	<1	-	<1		mg/kg	1	A-T-055s
Aro >C12-C16 _A	<1	<1	<1	<1	-	<1		mg/kg	1	A-T-055s
Aro >C16-C21 _A ^{M#}	1	1	1	<1	-	2		mg/kg	1	A-T-055s
Aro >C21-C35 _A ^{M#}	2	4	2	2	-	9		mg/kg	1	A-T-055s
Total Aromatics _A	4	5	3	2	-	12		mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35) _A	7	8	8	5	-	15		mg/kg	1	Calc-As Recd
BTEX - Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	-	<0.01		mg/kg	0.01	A-T-022s
BTEX - Toluene _A [#]	<0.01	<0.01	<0.01	<0.01	-	<0.01		mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	-	<0.01		mg/kg	0.01	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	-	<0.01		mg/kg	0.01	A-T-022s
BTEX - o Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	-	<0.01		mg/kg	0.01	A-T-022s
MTBE _A [#]	<0.01	<0.01	<0.01	<0.01	-	<0.01		mg/kg	0.01	A-T-022s

Report Notes

General

- This report shall not be reproduced, except in full, without written approval from Envirolab.
- The client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client and can affect the validity of results.
- The results reported herein relate only to the material supplied to the laboratory.
- The residue of any samples contained within this report, and any received within the same delivery, will be disposed of **four weeks** after the initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of **six months** after the initial Asbestos testing is completed.
- Analytical results reflect the quality of the sample at the time of analysis only.
- Opinions and Interpretations expressed are outside our scope of accreditation.
- A deviating sample report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
- If a sample is outside of the calibration range or affected by interferences then it may need diluting. This will result in the limit of detection (LOD) being raised.
- Subcontracted Analysis: Please see the appended report for any deviations, current LODs and accreditation status of the test.

Key

Superscript “#”	Accredited to ISO 17025
Superscript “M”	Accredited to MCertS
Superscript “U”	Individual result not accredited
None of the above symbols	Analysis unaccredited
Subscript “A”	Analysis performed on as-received Sample
Subscript “D”	Analysis performed on the dried sample, crushed to pass 2mm sieve.
Subscript “D” on Asbestos	Analysis performed on a dried aliquot of sample provided.
Subscript “A”	Analysis has dependant options against results. Details appear in the comments of your Sample receipt
IS	Insufficient Sample for analysis
US	Unsuitable Sample for analysis
NDP	No Determination Possible
NAD	No Asbestos Detected
Trace	Asbestos found not suitable for Gravimetric Quantification – not enough to accurately weigh.
N/A	Not applicable

Asbestos

Identification: Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis
“Trace Asbestos Identified” will be reported if there is not enough present to verify the type.

Assigned Matrix Codes

1	SAND	6	CLAY/LOAM	A	Contains Stones
2	LOAM	7	OTHER	B	Contains Construction Rubble
3	CLAY	8	Asbestos Bulk (Only Asbestos ID accredited)	C	Contains visible hydrocarbons
4	LOAM/SAND	9	Incinerator Ash (some Metals accredited)	D	Contains glass / metal
5	SAND/CLAY			E	Contains roots / twigs

Note: 7,8,9 matrices are not covered by our ISO 17025 or MCertS accreditation, unless stated above.

Soil Chemical Analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any “D” subscripts.

TPH by method A-T-007:

For waters, free and visible oils are excluded from the sample used for analysis, so the reported result represents the dissolved phase only.

Results “with Clean up” indicates samples cleaned up with Silica during extraction.

EPH CWG (method A-T-055) from TPH CWG:

EPH CWG results have humics mathematically subtracted through instrument calculation.

Where these humic substances have been identified in any IDs from “TPH CWG with clean up” please note that the concentration is **NOT** included in the quantified results but present in the ID for information.

Electrical Conductivity of water by method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Please contact your client manager if you require any further information.

Envirolab Deviating Samples Report

Hattersley Science & Technology Park, Stockport Road, Hattersley, SK14 3QU
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: RSK Environment Ltd Tonbridge, Anerley Court, Half Moon Lane,
Hildenborough, Tonbridge, Kent, TN11 9HU

Project: Scamps Hill, Lindfield, West Sussex
Clients Project No: 52744

Project No: 25/05518
Date Received: 28/05/2025 (am)
Cool Box Temperatures (°C): 13.4 & 14.1

Lab Sample ID	25/05518/1	25/05518/3	25/05518/5	25/05518/7
Client Sample No				
Client Sample ID/Depth	TP01 0.10-0.30m	TP03 0.20-0.40m	TP05 0.10-0.30m	TP08 0.20-0.40m
Date Sampled	20/05/25	20/05/25	20/05/25	20/05/25
Deviation Code				
F	✓	✓	✓	✓

Key

F Maximum holding time exceeded between sampling date and analysis for analytes listed below

HOLDING TIME EXCEEDANCES

Lab Sample ID	25/05518/1	25/05518/3	25/05518/5	25/05518/7
Client Sample No				
Client Sample ID/Depth	TP01 0.10-0.30m	TP03 0.20-0.40m	TP05 0.10-0.30m	TP08 0.20-0.40m
Date Sampled	20/05/25	20/05/25	20/05/25	20/05/25
PAH-16MS	✓	✓	✓	✓

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

Lab Sample ID	25/05518/1	25/05518/3	25/05518/4	25/05518/5	25/05518/6	25/05518/7	25/05518/9	25/05518/10	25/05518/12	25/05518/13	25/05518/14	25/05518/15
Client Sample No												
Client Sample ID/Depth	TP01 0.10-0.30m	TP03 0.20-0.40m	TP04 0.20-0.40m	TP05 0.10-0.30m	TP07 0.20-0.40m	TP08 0.20-0.40m	WS02 0.20-0.40m	WS03 0.10-0.30m	WS04 0.10-0.30m	WS05 0.10-0.30m	WS06 0.10-0.30m	WS07 0.20-0.40m
Date Sampled	20/05/25	20/05/25	20/05/25	20/05/25	20/05/25	20/05/25	22/05/25	22/05/25	22/05/25	22/05/25	22/05/25	22/05/25
A-T-004s												02/06/2025
A-T-007s												30/05/2025
A-T-019s	06/06/2025	06/06/2025		06/06/2025		06/06/2025	06/06/2025	06/06/2025	06/06/2025	06/06/2025	06/06/2025	06/06/2025
A-T-022s	30/05/2025	30/05/2025		30/05/2025		30/05/2025	30/05/2025	30/05/2025	30/05/2025	30/05/2025	30/05/2025	30/05/2025
A-T-024s	04/06/2025	04/06/2025		04/06/2025		04/06/2025	04/06/2025	04/06/2025	04/06/2025	04/06/2025	04/06/2025	
A-T-025w												05/06/2025
A-T-026s	04/06/2025	04/06/2025		04/06/2025		04/06/2025	04/06/2025	04/06/2025	04/06/2025	04/06/2025	04/06/2025	
A-T-026w												05/06/2025
A-T-026w (F)												05/06/2025
A-T-028s	04/06/2025	04/06/2025		04/06/2025		04/06/2025	04/06/2025	04/06/2025	04/06/2025	04/06/2025	04/06/2025	
A-T-030s												05/06/2025
A-T-031s	04/06/2025	04/06/2025		04/06/2025		04/06/2025	04/06/2025	04/06/2025	04/06/2025	04/06/2025	04/06/2025	06/06/2025
A-T-031w												05/06/2025
A-T-032s	04/06/2025	04/06/2025		04/06/2025		04/06/2025	04/06/2025	04/06/2025	04/06/2025	04/06/2025	04/06/2025	05/06/2025
A-T-032w												05/06/2025
A-T-037w												05/06/2025
A-T-044	03/06/2025	03/06/2025	03/06/2025	03/06/2025	03/06/2025	03/06/2025	03/06/2025	03/06/2025	03/06/2025	03/06/2025	03/06/2025	03/06/2025
A-T-045	02/06/2025	02/06/2025		02/06/2025		02/06/2025	02/06/2025	02/06/2025	02/06/2025	02/06/2025	02/06/2025	
A-T-050w												05/06/2025
A-T-055s	02/06/2025	02/06/2025		02/06/2025		30/05/2025	30/05/2025	30/05/2025	30/05/2025	30/05/2025	30/05/2025	
A-T-056			03/06/2025		03/06/2025		03/06/2025					
A-T-ANCs												06/06/2025
Calc-As Recd	02/06/2025	02/06/2025		02/06/2025		30/05/2025	30/05/2025	30/05/2025	30/05/2025	30/05/2025	30/05/2025	
Calc-no stones												05/06/2025
Probe (w)												05/06/2025

Lab Sample ID	25/05518/16
Client Sample No	
Client Sample ID/Depth	WS08 0.20-0.40m
Date Sampled	22/05/25
A-T-004s	
A-T-007s	
A-T-019s	06/06/2025
A-T-022s	30/05/2025
A-T-024s	04/06/2025
A-T-025w	
A-T-026s	04/06/2025
A-T-026w	
A-T-026w (F)	
A-T-028s	04/06/2025
A-T-030s	
A-T-031s	04/06/2025
A-T-031w	
A-T-032s	04/06/2025
A-T-032w	
A-T-037w	
A-T-044	03/06/2025
A-T-045	02/06/2025
A-T-050w	
A-T-055s	30/05/2025
A-T-056	
A-T-ANCs	
Calc-As Recd	30/05/2025
Calc-no stones	
Probe (w)	

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report

J 2. Soil Geotechnical Analysis



STRUCTURAL SOILS LTD

TEST REPORT



Report No. 585275-01 (00)

1774

Date 05-June-2025 Contract Scamps Hill

Client RSK
Address Bridge House
North Farm Road
Southborough
Tunbridge Wells
Kent
TN2 3DR

For the Attention of Becky Drewett

Samples submitted by client	27-May-2025
Method of sampling	Unknown
Testing Started	27-May-2025
Testing Completed	30-May-2025

Client Reference	52744
Client Order No.	n/a
Instruction Type	Written

Tests marked 'Not UKAS Accredited' in this report are not included in the UKAS Accreditation Schedule for our Laboratory.

UKAS Accredited Tests

P105	Water Content BS EN ISO 17892-1
P114	Liquid and plastic limits BS EN ISO 17892-12

Undertaken by subcontractor

2.04	Sulphate content (water extract) in accordance with BRE Special Digest 1:2005
2.07	pH value in accordance with BRE Special Digest 1:2005

* This clause of BS1377 is no longer the most up to date method due to the publication of ISO17892

Please Note: Remaining samples will be retained for a period of one month from today and will then be disposed of .

Test were undertaken on samples 'as received' unless otherwise stated.

Opinions and interpretations expressed in this report are outside the scope of accreditation for this laboratory.

Results relate only to items tested

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Structural Soils Ltd 18 Frogmore Rd Hemel Hempstead HP3 9RT Tel.01442 416661 e-mail dimitris.xirouchakis@soils.co.uk

TESTING VERIFICATION CERTIFICATE



1774

The test results included in this report are certified as:-

ISSUE STATUS: **FINAL**

In accordance with the Structural Soils Ltd Laboratory Quality Management System, results sheets and summaries of results issued by the laboratory are checked by an approved signatory. The integrity of the test data and results are ensured by control of the computer system employed by the laboratory as part of the Software Verification Program as detailed in the Laboratory Quality Manual.

This testing verification certificate covers all testing compiled on or before the following datetime: **05/06/2025 09:48:18**.

Testing reported after this date is not covered by this Verification Certificate.

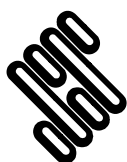
Approved Signatory
Sharon Cairns (Principal Laboratory Manager - Hemel)

(Head Office)
Bristol Laboratory
Unit 1A, Princess Street
Bedminster
Bristol
BS3 4AG

Castleford Laboratory
The Potteries, Pottery Street
Castleford
West Yorkshire
WF10 1NJ

Hemel Laboratory
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

Tunbridge Wells Laboratory
Bridge House, North Farm Road
Tunbridge Wells
Kent
TN2 3DR



**STRUCTURAL
SOILS LTD**

Contract:

Scamps Hill

Job No:

585275

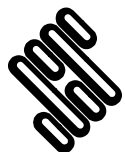


SUMMARY OF SOIL CLASSIFICATION TESTS

In accordance with Part 1, Part 12 of BS EN ISO 17892

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Water Content %	Liquid Limit %	Plastic Limit %	Plasticity Index	% <425um	Description of Sample
TP01		D	1.20	19.3	NP	NP	NP	92	Light grey mottled orange and brown slightly gravelly sandy CLAY
TP03		D	0.80	18.2	NP	NP	NP	98	Light brown mottled orange slightly gravelly sandy silty CLAY. Gravel includes sandstone
TP08		D	1.10	21.0	28	18	10	97	Brown mottled orange and grey slightly gravelly sandy CLAY
WS02		D	0.60	22.1	34	22	12	100	Light greyish brown mottled orange slightly gravelly sandy silty CLAY
WS04		D	0.80	18.1	32	21	11	96	Light brownish grey mottled orange slightly gravelly sandy silty CLAY
WS07		D	1.60	13.5	29	20	9	79	Brown mottled orange and grey slightly gravelly sandy silty CLAY
WS08		D	0.70	19.7	31	11	20	92	Orange mottled grey slightly gravelly sandy CLAY

SYMBOLS: * denotes BS 1377



**STRUCTURAL
SOILS LTD**

Contract:

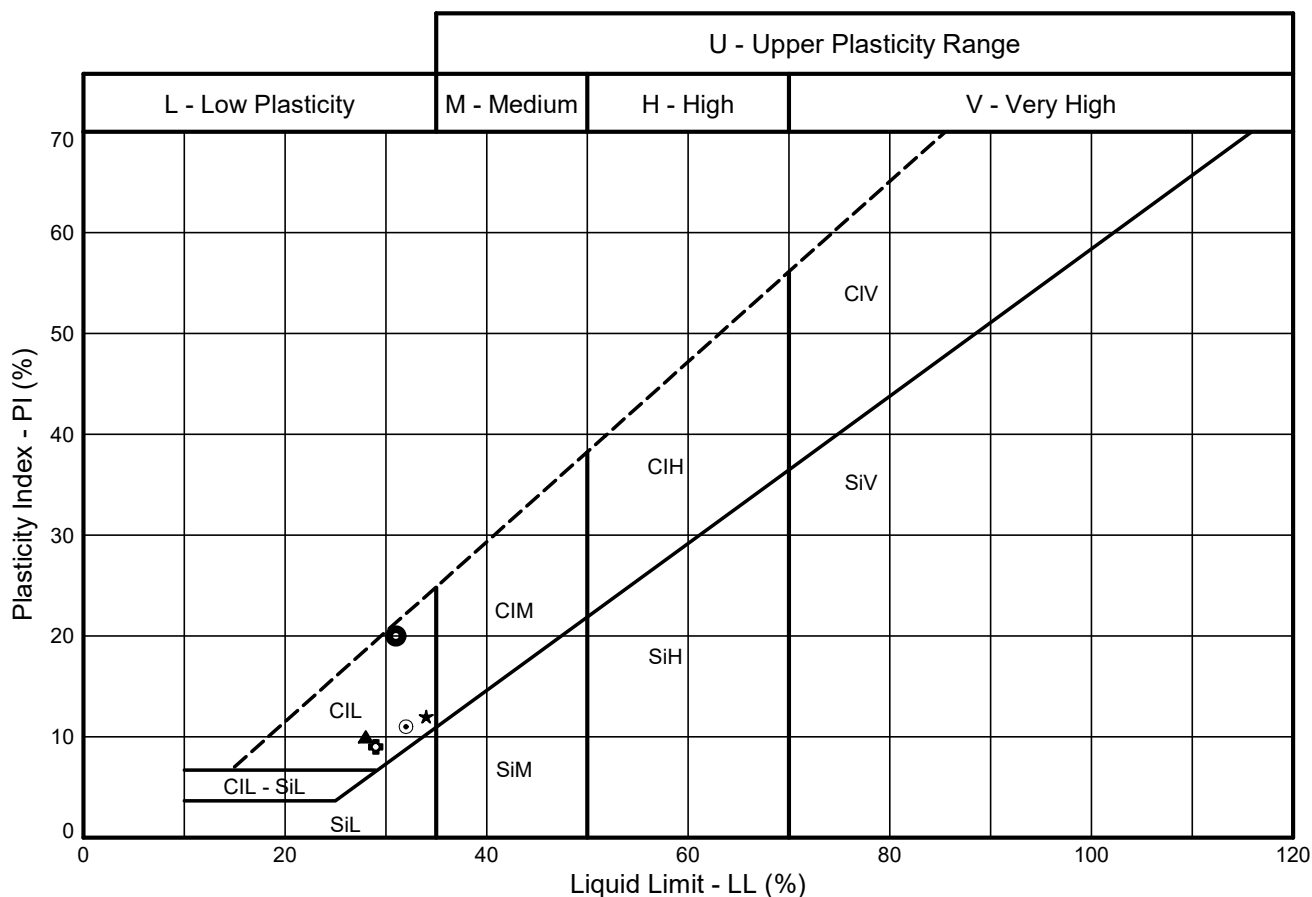
Scamps Hill

Contract Ref:

585275



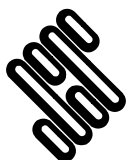
According to BS EN 14688-2:2018
Testing in accordance with BS EN ISO 17892-12:2018+A2:2022

[illegible]

Tested in accordance with the following clauses of BS EN ISO 17892-12:2018+A2:2022
5.3 - Cone Penetrometer Method; 5.3.14 - One-Point Cone Penetrometer Method (factors are from Table 1, BS 1377-2:2022);
5.4 - Casagrande Method; 5.5 - Plastic Limit Method; 6.5 - Plasticity Index
Water Content (WC) tested in accordance with BS EN ISO 17892-1:2014+A1:2022
+ Tested in accordance with the following clauses of BS EN ISO 17892-12:2018+A2:2022
5.2.1 - Natural State and 5.2.7 - Wet Sieved

Key: * = Non-standard test. NP = Non plastic. I = Increasing WC. D = Decreasing WC.

Lab location: B = Bristol (BS3 4AG), C = Castleford (WF10 1NJ), H = Hemel Hempstead (HP3 9RT), T = Tunbridge (TN2 3DR)



STRUCTURAL SOILS
Bridge House
North Farm Road
Tunbridge Wells
Kent TN2 3DR

Compiled By

Date _____

56

SHARON CAIRNS

03/06/25

Contract

Contract Ref:

Scamps Hill

585275



FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 25/05602
Issue Number: 1

Date: 04 June, 2025

Client: Structural Soils Limited (Tonbridge Lab)
Bridge House
North Farm Road
Tunbridge Wells
Kent
UK
TN2 3DR

Project Manager: Richard Ashby
Project Name: Scamps Hill
Project Ref: 585275
Order No: N/A
Date Samples Received: 29/05/25
Date Instructions Received: 29/05/25
Date Analysis Completed: 04/06/25

Approved by:



Richard Wong
Client Manager

Envirolab Job Number: 25/05602

Client Project Name: Scamps Hill

Client Project Ref: 585275

Lab Sample ID	25/05602/1	25/05602/2	25/05602/3					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP02	WS06	WS08							
Depth to Top	1.00	0.40	1.60							
Depth To Bottom	1.20	0.60	1.80							
Date Sampled	27-May-25	27-May-25	27-May-25							
Sample Type	SOIL - D	SOIL - D	SOIL - D							
Sample Matrix Code	5A	5AE	6A							
% Stones >10mm _A	<0.1	<0.1	<0.1					% w/w	0.1	A-T-044
pH BRE _D ^{M#}	7.68	7.62	7.13					pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1) _D ^{M#}	<10	<10	69					mg/l	10	A-T-026s

Report Notes

General

- This report shall not be reproduced, except in full, without written approval from Envirolab.
- The client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client and can affect the validity of results.
- The results reported herein relate only to the material supplied to the laboratory.
- The residue of any samples contained within this report, and any received within the same delivery, will be disposed of **four weeks** after the initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of **six months** after the initial Asbestos testing is completed.
- Analytical results reflect the quality of the sample at the time of analysis only.
- Opinions and Interpretations expressed are outside our scope of accreditation.
- A deviating sample report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
- If a sample is outside of the calibration range or affected by interferences then it may need diluting. This will result in the limit of detection (LOD) being raised.
- Subcontracted Analysis: Please see the appended report for any deviations, current LODs and accreditation status of the test.

Key

Superscript “#”	Accredited to ISO 17025
Superscript “M”	Accredited to MCertS
Superscript “U”	Individual result not accredited
None of the above symbols	Analysis unaccredited
Subscript “A”	Analysis performed on as-received Sample
Subscript “D”	Analysis performed on the dried sample, crushed to pass 2mm sieve.
Subscript “D” on Asbestos	Analysis performed on a dried aliquot of sample provided.
Subscript “A”	Analysis has dependant options against results. Details appear in the comments of your Sample receipt
IS	Insufficient Sample for analysis
US	Unsuitable Sample for analysis
NDP	No Determination Possible
NAD	No Asbestos Detected
Trace	Asbestos found not suitable for Gravimetric Quantification – not enough to accurately weigh.
N/A	Not applicable

Asbestos

Identification: Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis
“Trace Asbestos Identified” will be reported if there is not enough present to verify the type.

Assigned Matrix Codes

1	SAND	6	CLAY/LOAM	A	Contains Stones
2	LOAM	7	OTHER	B	Contains Construction Rubble
3	CLAY	8	Asbestos Bulk (Only Asbestos ID accredited)	C	Contains visible hydrocarbons
4	LOAM/SAND	9	Incinerator Ash (some Metals accredited)	D	Contains glass / metal
5	SAND/CLAY			E	Contains roots / twigs

Note: 7,8,9 matrices are not covered by our ISO 17025 or MCertS accreditation, unless stated above.

Soil Chemical Analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any “D” subscripts.

TPH by method A-T-007:

For waters, free and visible oils are excluded from the sample used for analysis, so the reported result represents the dissolved phase only.
Results “with Clean up” indicates samples cleaned up with Silica during extraction.

EPH CWG (method A-T-055) from TPH CWG:

EPH CWG results have humics mathematically subtracted through instrument calculation.

Where these humic substances have been identified in any IDs from “TPH CWG with clean up” please note that the concentration is **NOT** included in the quantified results but present in the ID for information.

Electrical Conductivity of water by method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Please contact your client manager if you require any further information.

Envirolab Deviating Samples Report

Hattersley Science & Technology Park, Stockport Road, Hattersley, SK14 3QU
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Structural Soils Limited (Tonbridge Lab), Bridge House, North Farm Road,
Tunbridge Wells, Kent, UK, TN2 3DR

Project: Scamps Hill
Clients Project No: 585275

Project No: 25/05602
Date Received: 29/05/2025 (am)
Cool Box Temperatures (°C): 16.0

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

Lab Sample ID	25/05602/1	25/05602/2	25/05602/3
Client Sample No			
Client Sample ID/Depth	TP02 1.00-1.20m	WS06 0.40-0.60m	WS08 1.60-1.80m
Date Sampled	27/05/25	27/05/25	27/05/25
A-T-026s	04/06/2025	04/06/2025	04/06/2025
A-T-031s	04/06/2025	04/06/2025	04/06/2025
A-T-044	30/05/2025	30/05/2025	30/05/2025

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report

Appendix K

GENERIC ASSESSMENT CRITERIA

K 1. Human Health GAC

Generic assessment criteria for human health: residential scenario with home-grown produce

Background

RSK's generic assessment criteria (GAC) were initially prepared following the publication by the Environment Agency (EA) of soil guideline value (SGV) and toxicological (TOX) reports, and associated publications in 2009⁽¹⁾. RSK GAC were updated following the publication of GAC by LQM/CIEH in 2009⁽²⁾. RSK GAC are periodically revised when updated information on toxicological, land use or receptor parameters is published.

Updates to the RSK GAC

In 2014, the publication of Category 4 Screening Levels (C4SL)^(3,4), as part of the Defra-funded research project SP1010, included modifications to certain exposure assumptions documented within EA Science Report SC050221/SR3 (herein after referred to as SR3)⁽⁵⁾ used in the generation of SGVs.

C4SL were initially published for six substances (cadmium, arsenic, benzene, benzo(a)pyrene, chromium VI and lead) for a sandy loam soil type with 6% soil organic matter, based on a low level of toxicological concern (LLTC; see Section 2.3 of research project report SP1010⁽³⁾). Further C4SL were published in 2021 for vinyl chloride, tetrachloroethene (PCE) and trichloroethene (TCE). Where a C4SL has been published, the RSK GAC duplicates the C4SL using all input parameters within the SP1010 final project report⁽³⁾ and associated chemical specific reports⁽⁶⁾, and adopts them as GAC for these substances. Due to the use of decimal places rather than significant figures applied to the Contaminated Land Exposure Assessment (CLEA) tool outputs, the GAC presented may be marginally differently to the C4SL values, however any differences between the values are minimal and would not equate to an unacceptable risk.

For all other substances the C4SL exposure modifications, with the exception of the “top two” produce type approach taken in the C4SL, have been applied to the current RSK GAC. These include alterations to daily inhalation rates for residential and commercial scenarios, reducing soil adherence factors in children (age classes 1 to 12 only) for residential land use, reducing exposure frequency for dermal contact outdoors for residential land use, and updated produce type consumption rates (90th percentile) based on recent data from the National Diet and Nutrition Survey.

The RSK GAC have also been revised with updated toxicology published by LQM/CIEH in 2015⁽⁷⁾ or by the USEPA⁽¹⁴⁾, where a C4SL has not been published.

RSK GAC derivation for metals and organic compounds

Model selection

Soil assessment criteria (SAC) were calculated using the CLEA tool v1.071, supporting EA guidance^(5,8,9) and revised exposure scenarios published for the C4SL⁽³⁾. The SAC are also termed GAC.

Conceptual model

In accordance with SR3⁽⁵⁾, the residential with home-grown produce scenario considers risks to a female child between the ages of 0 and 6 years old as the highest risk scenario. In accordance with Box 3.1 of SR3⁽⁵⁾, the pathways considered for production of the SAC in the residential with home-grown produce scenario are

- direct soil and dust ingestion
- consumption of home-grown produce
- consumption of soil attached to home-grown produce
- dermal contact with soil and indoor dust
- inhalation of indoor and outdoor dust and vapours.

Figure 1 is a conceptual model illustrating these linkages.

In line with guidance in the EA SGV report for cadmium⁽¹⁾, the RSK GAC for cadmium has been derived based on estimates representative of lifetime exposure. Although young children are generally more likely to have higher exposures to soil contaminants, the renal toxicity of cadmium, and the derivation of the TDI_{oral} and TDI_{inh} , are based on considerations of the kidney burden accumulated over 50 years or so. It is therefore reasonable to consider exposure not just in childhood but averaged over a longer period.

With respect to volatilisation, the CLEA model assumes a simple linear partitioning of a chemical in the soil between the sorbed, dissolved and vapour phase⁽⁹⁾. The upper boundaries of this partitioning are represented by the maximum aqueous solubility and pure saturated vapour concentration of the chemical. The CLEA model estimates saturated soil concentrations where these limits are reached⁽⁹⁾. The CLEA software uses a traffic light system to identify when individual and/or combined assessment criteria exceed the lower of either the aqueous- or vapour-based soil saturation limits. Model output cells are flagged red where the saturated soil concentration has been exceeded and the contribution of the indoor and outdoor vapour pathway to total exposure is greater than 10%. In this case, further consideration of the following is required⁽⁹⁾:

- Free phase contamination may be present.
- Exposure from the vapour pathways will be over-predicted by the model, as in reality the vapour phase concentration will not increase at concentrations above saturation limits
- Where the vapour pathway contribution is greater than 90%, it is unlikely the relevant health criteria value (HCV) will be exceeded at soil concentrations at least a factor of ten higher than the relevant HCV.

Where the vapour pathway is the predominant pathway (contributes greater than 90% of exposure) or the only exposure route considered and the cell is highlighted red (SAC exceeds saturation limit), the risk based on the assumed conceptual model is likely to be negligible as the vapour risk is assumed to be tolerable at maximum possible soil concentrations. In such circumstances, the vapour pathway exposure should be considered based on the presence of free phase or non-aqueous phase liquid sources and the measured concentrations of volatile organic compounds (VOC) in the vapour phase. Screening could be considered based on setting the SAC as the modelled soil saturation limits. However, as stated within the CLEA handbook⁽⁹⁾, this is likely to not be practical in many cases because of the very low saturation limits and, in any case, is highly conservative.

It should also be noted that for mixtures of compounds, free phase may be present where soil (or groundwater) concentrations are well below saturation limits for individual compounds.

Where the vapour pathway is only one of the exposure pathways considered, an additional approach can then be utilised as detailed within Section 4.12 of the CLEA model handbook⁽⁹⁾, which explains how to calculate an effective assessment criterion manually.

SR3⁽⁵⁾ states that, as a general rule of thumb, it is recognised that estimating vapour phase concentrations from dissolved and sorbed phase contamination by petroleum hydrocarbons are at least a factor of ten higher than those likely to be measured on-site. RSK has therefore applied an empirical subsurface to indoor air correction factor of 10 into the CLEA model chemical database for all petroleum hydrocarbon fractions (including BTEX, trimethylbenzenes and the polycyclic aromatic hydrocarbons (PAH) naphthalene, acenaphthene and acenaphthylene) to reduce this conservatism.

Input selection

The most up-to-date published chemical and toxicological data was obtained from EA Report SC050021/SR7⁽¹⁰⁾, the EA TOX⁽¹⁾ reports, the C4SL SP1010 project report and associated appendices^(3,6), the 2015 LQM/CIEH report⁽⁷⁾ or the USEPA IRIS database⁽¹⁴⁾. Where a LLTC^(3,6) has been published for a substance, RSK has used these input parameters to derive the RSK GAC. Toxicological and specific chemical parameters for 1,2,4-trimethylbenzene, barium, methyl tertiary-butyl ether (MTBE), 1,1,2-trichloroethane, 1,1-dichloroethene, 1,2-dichloropropane, 2-chloronaphthalene, chloroethane, chloromethane, cis 1,2-dichloroethene, dichloromethane, hexachloroethane and trans 1,2-dichloroethene were obtained from the CL:AIRE Soil Generic Assessment Criteria report⁽¹¹⁾.

For TPH, aromatic hydrocarbons C₅–C₈ were not modelled, as this range comprises benzene (>EC5-EC7) and toluene (>EC7-EC8), which are modelled separately.

Physical parameters

For the residential with home-grown produce scenario, the CLEA default building is a small, two-storey terrace house with a concrete ground-bearing slab. The house is assumed to have a 100m² private garden consisting of lawn and flowerbeds, incorporating a 20m² plot for growing fruit and vegetables consumed by the residents. SR3⁽⁵⁾ notes this residential building type to be the most conservative in terms of potential for vapour intrusion. The building parameters used in the production of the RSK GACs are the default CLEA v1.06 inputs presented in Table 3.3 of SR3⁽³⁾, with a dust loading factor detailed in Section 9.3 of SR3⁽⁵⁾. The parameters for a sandy loam soil type were used in line with Table 4.4 of SR3⁽⁵⁾. This includes a value of 6% for the percentage of soil organic matter (SOM) within the soil. In RSK's experience, this is rather high for many sites. To avoid undertaking site-specific risk assessments for SOM, RSK has produced an additional set of GAC for SOM of 1% and 2.5% for all substances using the CLEA tool.

Summary of modifications to the default CLEA SR3⁽⁵⁾ input parameters for residential with home-grown produce land-use scenario

In summary, the RSK GAC were produced using the default input parameters for soil properties, the air dispersion model, building properties and the vapour model detailed in SR3⁽⁵⁾. Modifications to the default SR3⁽⁵⁾ exposure scenarios based on the C4SL exposure scenarios⁽³⁾ are presented in Tables 2 and 3 below.

The final selected GAC are presented by pathway in Table 4 and the combined GAC in Table 5.

Figure 1: Conceptual model for residential scenario with home-grown produce

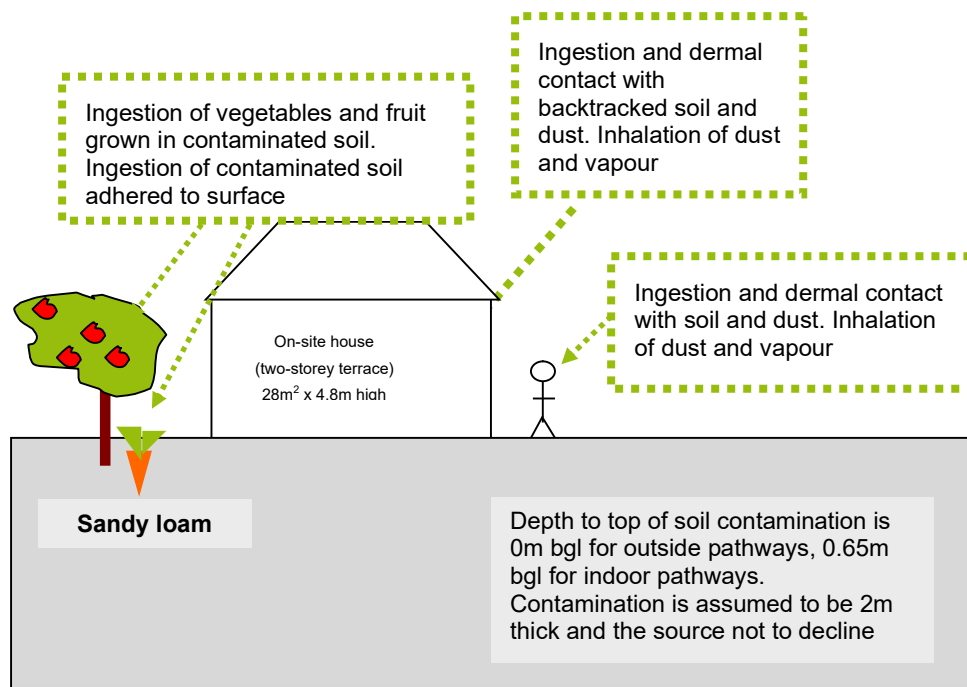


Table 1: Exposure assessment parameters for residential scenario with home-grown produce – inputs for CLEA model

Parameter	Value	Justification
Land use	Residential with homegrown produce	Chosen land use
Receptor	Female child age 1 to 6	Key generic assumption given in Box 3.1, SR3 ⁽⁵⁾
Building	Small terraced house	Key generic assumption given in Box 3.1, SR3. Small, two-storey terraced house chosen, as it is the most conservative residential building type in terms of protection from vapor intrusion (Section 3.4.6, SR3) ⁽⁵⁾
Soil type	Sandy Loam	Most common UK soil type (Section 4.3.1, from Table 3.1, SR3) ⁽⁵⁾
Start AC (age class)	1	Range of age classes corresponding to key generic assumption that the critical receptor is a young female child aged 0–6. From Box 3.1, SR3 ⁽⁵⁾
End AC (age class)	6	
SOM (%)	6	Representative of sandy loamy soil according to EA guidance note dated January 2009 entitled 'Changes We Have Made to the CLEA Framework Documents' ⁽¹³⁾
	1	To provide SAC for sites where SOM <6% as often observed by RSK
	2.5	
pH	7	Model default

Table 2: Residential with home-grown produce – modified home-grown produce data

Name	Consumption rate 90 th percentile (g FW kg ⁻¹ BW day ⁻¹) by age class						Dry weight conversion factor (g DW g ⁻¹ FW)	Home-grown fraction (average)	Home-grown fraction (high end)	Soil loading factor (g g ⁻¹ DW)	Preparation correction factor
	1	2	3	4	5	6					
Green vegetables	7.12	5.87	5.87	5.87	4.53	4.53	0.096	0.05	0.33	1.00E-03	2.00E-01
Root vegetables	10.7	2.83	2.83	2.83	2.14	2.14	0.103	0.06	0.4	1.00E-03	1.00E+00
Tuber vegetables	16	6.6	6.6	6.6	4.95	4.95	0.21	0.02	0.13	1.00E-03	1.00E+00
Herbaceous fruit	1.83	3.39	3.39	3.39	2.24	2.24	0.058	0.06	0.4	1.00E-03	6.00E-01
Shrub fruit	2.23	0.46	0.46	0.46	0.19	0.19	0.166	0.09	0.6	1.00E-03	6.00E-01
Tree fruit	3.82	10.3	10.3	10.3	5.16	5.16	0.157	0.04	0.27	1.00E-03	6.00E-01
Justification	Table 3.4, SP1010 ⁽³⁾						Table 6.3, SR3 ⁽⁵⁾	Table 4.19, SR3 ⁽⁵⁾		Table 6.3, SR3 ⁽⁵⁾	

Table 3: Residential with home-grown produce – modified use and receptor data

Parameter	Unit	Age class					
		1	2	3	4	5	6
EF (soil and dust ingestion)	day yr ⁻¹	180	365	365	365	365	365
EF (consumption of home-grown produce)	day yr ⁻¹	180	365	365	365	365	365
EF (skin contact, indoor)	day yr ⁻¹	180	365	365	365	365	365
EF (skin contact, outdoor)	day yr ⁻¹	170	170	170	170	170	170
EF (inhalation of dust and vapour, indoor)	day yr ⁻¹	365	365	365	365	365	365
EF (inhalation of dust and vapour, outdoor)	day yr ⁻¹	365	365	365	365	365	365
Justification		Table 3.5, SP1010 ⁽³⁾ ; Table 3.1, SR3 ⁽⁵⁾					
Soil to skin adherence factor (outdoor)	mg cm ⁻² day ⁻¹	0.1	0.1	0.1	0.1	0.1	0.1
Justification		Table 3.5, SP1010 ⁽³⁾					
Inhalation rate	m ³ day ⁻¹	5.4	8.0	8.9/f	10.1	10.1	10.1
Justification		Mean value USEPA, 2011 ⁽¹²⁾ ; Table 3.2, SP1010 ⁽³⁾					
Notes: For cadmium , the exposure assessment for a residential land use is based on estimates representative of lifetime exposure AC1-18. This is because the TDI _{oral} and TDI _{inh} are based on considerations of the kidney burden accumulated over 50 years. It is therefore reasonable to consider exposure not just in childhood but averaged over a longer period. See the Environment Agency Science Report SC05002/ TOX 3 ⁽¹⁾ , Science Report SC050021/Cadmium SGV ⁽¹⁾ and the project report SP1010 ⁽³⁾ for more information.							

References

1. Environment Agency (2009), 'Science Reports SC050021 - SGV and TOX reports for: benzene, toluene, ethylbenzene, xylene, mercury, selenium, nickel, arsenic, cadmium, phenol, dioxins, furans and dioxin-like PCBs'; 'Supplementary information for the derivation of SGV for: benzene, toluene, ethylbenzene, xylene, mercury, selenium, nickel, arsenic, cadmium, phenol, dioxins, furans and dioxin-like PCBs', and 'Contaminants in soil: updated collation of toxicological data and intake values for humans: benzene, toluene, ethylbenzene, xylene, mercury, selenium, nickel, arsenic, cadmium, phenol, dioxins, furans and dioxin-like PCBs'. Available at: <https://www.gov.uk/government/publications/contaminants-in-soil-updated-collation-of-toxicological-data-and-intake-values-for-humans> and <https://www.gov.uk/government/publications/land-contamination-soil-guideline-values-sgvs> (accessed 4 February 2015)
2. Nathanial, C. P., McCaffrey, C., Ashmore, M., Cheng, Y., Gillet, A. G., Ogden, R. C. and Scott, D. (2009), *LQM/CIEH Generic Assessment Criteria for Human Health Risk Assessment*, second edition (Nottingham: Land Quality Press).
3. Contaminated Land: Applications in Real Environment (CL:AIRE) (2014). 'Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination', Revision 2, DEFRA research project SP1010.
4. Department for Environment, Food and Rural Affairs (Defra) (2014), 'SP1010: Development of Category 4 Screening Levels for assessment of land affected by contamination – Policy Companion Document', Revision 2.
5. Environment Agency (2009), *Science Report – SC050021/SR3. Updated technical background to the CLEA model* (Bristol: Environment Agency).
6. Contaminated Land: Applications in Real Environment (CL:AIRE) (2014). 'Appendices C to H). DEFRA research project SP1010'. CL:AIRE (2021). Category 4 Screening Levels: Trichloroethene (TCE). CL:AIRE, London. ISBN 978-1-905046-38-6. CL:AIRE (2021). Category 4 Screening Levels: Vinyl Chloride. CL:AIRE, London. ISBN 978-1-905046-36-2. CL:AIRE (2021). Category 4 Screening Levels: Tetrachloroethene (PCE). CL:AIRE, London. ISBN 978-1-905046-37-9.
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GENERIC ASSESSMENT CRITERIA FOR HUMAN HEALTH - RESIDENTIAL WITH HOME-GROWN PRODUCE



Table 4

Human Health Generic Assessment Criteria by Pathway for Residential With Home-Grown Produce Scenario

Compound	Notes	SAC Appropriate to Pathway SOM 1% (mg/kg)			Soil Saturation Limit (mg/kg)	SAC Appropriate to Pathway SOM 2.5% (mg/kg)			Soil Saturation Limit (mg/kg)	SAC Appropriate to Pathway SOM 6% (mg/kg)			Soil Saturation Limit (mg/kg)
		Oral	Inhalation	Combined		Oral	Inhalation	Combined		Oral	Inhalation	Combined	
Metals													
Arsenic	(a,b)	3.71E+01	5.26E+02	NR	NR	3.71E+01	5.26E+02	NR	NR	3.71E+01	5.26E+02	NR	NR
Barium	(b)	1.34E+03	NR	NR	NR	1.34E+03	NR	NR	NR	1.34E+03	NR	NR	NR
Beryllium		1.13E+02	1.72E+00	NR	NR	1.13E+02	1.72E+00	NR	NR	1.13E+02	1.72E+00	NR	NR
Boron		3.00E+02	5.20E+06	NR	NR	3.00E+02	5.20E+06	NR	NR	3.00E+02	5.20E+06	NR	NR
Cadmium	(a)	2.30E+01	4.88E+02	2.21E+01	NR	2.30E+01	4.88E+02	2.21E+01	NR	2.30E+01	4.88E+02	2.21E+01	NR
Chromium (III) - trivalent	(c)	1.84E+04	9.07E+02	NR	NR	1.84E+04	9.07E+02	NR	NR	1.84E+04	9.07E+02	NR	NR
Chromium (VI) - hexavalent	(a,d)	5.85E+01	2.06E+01	NR	NR	5.85E+01	2.06E+01	NR	NR	5.85E+01	2.06E+01	NR	NR
Copper		2.72E+03	1.41E+04	2.47E+03	NR	2.72E+03	1.41E+04	2.47E+03	NR	2.72E+03	1.41E+04	2.47E+03	NR
Lead	(a)	2.01E+02	NR	NR	NR	2.01E+02	NR	NR	NR	2.01E+02	NR	NR	NR
Elemental Mercury (Hg ⁰)	(d)	NR	2.35E-01	NR	4.31E+00	NR	5.60E-01	NR	1.07E+01	NR	1.22E+00	NR	2.58E+01
Inorganic Mercury (Hg ²⁺)		3.95E+01	3.63E+03	3.91E+01	NR	3.95E+01	3.63E+03	3.91E+01	NR	3.95E+01	3.63E+03	3.91E+01	NR
Methyl Mercury (Hg ⁴⁺)		1.26E+01	1.87E+01	7.52E+00	7.33E+01	1.26E+01	3.62E+01	9.34E+00	1.42E+02	1.26E+01	7.68E+01	1.08E+01	3.04E+02
Nickel	(d)	1.27E+02	1.81E+02	NR	NR	1.27E+02	1.81E+02	NR	NR	1.27E+02	1.81E+02	NR	NR
Selenium	(b)	2.58E+02	NR	NR	NR	2.58E+02	NR	NR	NR	2.58E+02	NR	NR	NR
Vanadium		4.13E+02	1.46E+03	NR	NR	4.13E+02	1.46E+03	NR	NR	4.13E+02	1.46E+03	NR	NR
Zinc	(b)	3.86E+03	3.63E+07	NR	NR	3.86E+03	3.63E+07	NR	NR	3.86E+03	3.63E+07	NR	NR
Cyanide (free)		1.37E+00	1.37E+04	1.37E+00	NR	1.37E+00	1.37E+04	1.37E+00	NR	1.37E+00	1.37E+04	1.37E+00	NR
Volatile Organic Compounds													
Benzene	(a)	2.62E-01	9.01E-01	2.03E-01	1.22E+03	5.39E-01	1.68E+00	4.08E-01	2.26E+03	1.16E+00	3.48E+00	8.72E-01	4.71E+03
Toluene		1.53E+02	9.08E+02	1.31E+02	8.69E+02	3.49E+02	2.00E+03	2.97E+02	1.92E+03	7.95E+02	4.55E+03	6.77E+02	4.36E+03
Ethylbenzene		1.10E+02	8.34E+01	4.74E+01	5.18E+02	2.61E+02	1.96E+02	1.12E+02	1.22E+03	6.00E+02	4.58E+02	2.60E+02	2.84E+03
Xylene - m		2.10E+02	8.25E+01	5.92E+01	6.25E+02	5.01E+02	1.95E+02	1.40E+02	1.47E+03	1.15E+03	4.56E+02	3.27E+02	3.46E+03
Xylene - o		1.92E+02	8.87E+01	6.07E+01	4.78E+02	4.56E+02	2.08E+02	1.43E+02	1.12E+03	1.05E+03	4.86E+02	3.32E+02	2.62E+03
Xylene - p		1.98E+02	7.93E+01	5.66E+01	5.76E+02	4.70E+02	1.86E+02	1.33E+02	1.35E+03	1.08E+03	4.36E+02	3.10E+02	3.17E+03
Total xylene		1.92E+02	7.93E+01	5.66E+01	6.25E+02	4.56E+02	1.86E+02	1.33E+02	1.47E+03	1.05E+03	4.36E+02	3.10E+02	3.46E+03
Methyl tertiary-Butyl ether (MTBE)		1.54E+02	1.04E+02	6.22E+01	2.04E+04	2.97E+02	1.69E+02	1.08E+02	3.31E+04	6.03E+02	3.21E+02	2.10E+02	6.27E+04
1,1,1,2-Tetrachloroethane		5.39E+00	1.54E+00	1.20E+00	2.60E+03	1.27E+01	3.56E+00	2.78E+00	6.02E+03	2.92E+01	8.29E+00	6.46E+00	1.40E+04
1,1,2,2-Tetrachloroethane		2.81E+00	3.92E+00	1.64E+00	2.67E+03	6.10E+00	8.04E+00	3.47E+00	5.46E+03	1.36E+01	1.76E+01	7.67E+00	1.20E+04
1,1,1-Trichloroethane		3.33E+02	9.01E+00	8.77E+00	1.43E+03	7.26E+02	1.84E+01	1.80E+01	2.92E+03	1.62E+03	4.04E+01	3.94E+01	6.39E+03
1,1,2 Trichloroethane		1.95E+00	1.25E+00	7.62E-01	4.03E+03	4.21E+00	2.55E+00	1.59E+00	8.21E+03	9.35E+00	5.59E+00	3.50E+00	1.80E+04
1,1-Dichloroethene		1.93E+01	3.29E-01	3.23E-01	2.23E+03	3.85E+01	5.82E-01	5.74E-01	3.94E+03	8.15E+01	1.17E+00	1.16E+00	7.94E+03
1,2-Dichloroethane		3.17E-02	9.20E-03	7.13E-03	3.41E+03	5.73E-02	1.33E-02	1.08E-02	4.91E+03	1.09E-01	2.28E-02	1.88E-02	8.43E+03
1,2,4-Trimethylbenzene		NR	1.76E+00	NR	4.74E+02	NR	4.26E+00	NR	1.16E+03	NR	9.72E+00	NR	2.76E+03
1,3,5-Trimethylbenzene	(e)	NR	NR	NR	2.30E+02	NR	NR	NR	5.52E+02	NR	NR	NR	1.30E+03
1,2-Dichloropropane		4.28E+00	3.40E-02	3.37E-02	1.19E+03	8.44E+00	6.00E-02	5.96E-02	2.11E+03	1.77E+01	1.21E-01	1.20E-01	4.24E+03
Carbon Tetrachloride (tetrachloromethane)		3.10E+00	2.58E-02	2.57E-02	1.52E+03	7.11E+00	5.65E-02	5.62E-02	3.32E+03	1.62E+01	1.28E-01	1.27E-01	7.54E+03
Chloroethane		NR	1.17E+01	NR	2.61E+03	NR	1.59E+01	NR	3.54E+03	NR	2.57E+01	NR	5.71E+03
Chloromethane		NR	1.17E-02	NR	1.91E+03	NR	1.38E-02	NR	2.24E+03	NR	1.85E-02	NR	2.99E+03
Cis 1,2 Dichloroethene		1.56E-01	NR	NR	3.94E+03	2.66E-01	NR	NR	6.61E+03	5.18E-01	NR	NR	1.29E+04
Dichloromethane		7.04E-01	3.05E+00	6.24E-01	7.27E+03	1.27E+00	4.06E+00	1.08E+00	9.68E+03	2.33E+00	6.42E+00	1.92E+00	1.53E+04
Tetrachloroethene (PCE)		1.33E+01	3.19E-01	3.11E-01	4.24E+02	3.11E+01	7.15E-01	6.99E-01	9.51E+02	7.12E+01	1.64E+00	1.60E+00	2.18E+03
Trans 1,2 Dichloroethene		6.45E+00	2.76E-01	NR	3.42E+03	1.29E+01	4.99E-01	NR	6.17E+03	2.74E+01	1.02E+00	NR	1.26E+04
Trichloroethene (TCE)		9.30E-03	3.61E-02	NR	1.54E+03	1.95E-02	7.57E-02	NR	3.22E+03	4.34E-02	1.68E-01	NR	7.14E+03
Vinyl Chloride (chloroethene)		1.13E-02	1.47E-02	6.38E-03	1.36E+03	2.09E-02	1.90E-02	9.97E-03	1.76E+03	3.88E-02	2.91E-02	1.66E-02	2.69E+03
Semi-Volatile Organic Compounds													
2-Chloronaphthalene		2.76E+02	5.39E+00	5.29E+00	1.14E+02	6.59E+02	1.33E+01	1.30E+01	2.80E+02	1.45E+03	3.17E+01	3.10E+01	6.69E+02

GENERIC ASSESSMENT CRITERIA FOR HUMAN HEALTH - RESIDENTIAL WITH HOME-GROWN PRODUCE



Table 4

Human Health Generic Assessment Criteria by Pathway for Residential With Home-Grown Produce Scenario

Compound	Notes	SAC Appropriate to Pathway SOM 1% (mg/kg)			Soil Saturation Limit (mg/kg)	SAC Appropriate to Pathway SOM 2.5% (mg/kg)			Soil Saturation Limit (mg/kg)	SAC Appropriate to Pathway SOM 6% (mg/kg)			Soil Saturation Limit (mg/kg)
		Oral	Inhalation	Combined		Oral	Inhalation	Combined		Oral	Inhalation	Combined	
Acenaphthene		2.27E+02	4.86E+04	2.26E+02	5.70E+01	5.41E+02	1.18E+05	5.38E+02	1.41E+02	1.18E+03	2.68E+05	1.17E+03	3.36E+02
Acenaphthylene		1.85E+02	4.59E+04	1.84E+02	8.61E+01	4.42E+02	1.11E+05	4.40E+02	2.12E+02	9.78E+02	2.53E+05	9.74E+02	5.06E+02
Anthracene		2.43E+03	1.53E+05	2.39E+03	1.17E+00	5.53E+03	3.77E+05	5.45E+03	2.91E+00	1.10E+04	8.76E+05	1.09E+04	6.96E+00
Benzo(a)anthracene		1.01E+01	2.47E+01	7.18E+00	1.71E+00	1.42E+01	4.37E+01	1.07E+01	4.28E+00	1.69E+01	6.26E+01	1.33E+01	1.03E+01
Benzo(a)pyrene	(a)	4.96E+00	3.51E+01	NR	9.11E-01	4.96E+00	3.77E+01	NR	2.28E+00	4.96E+00	3.89E+01	NR	5.46E+00
Benzo(b)fluoranthene		2.96E+00	1.93E+01	2.56E+00	1.22E+00	3.89E+00	2.13E+01	3.29E+00	3.04E+00	4.43E+00	2.22E+01	3.69E+00	7.29E+00
Benzo(g,h,i)perylene		3.77E+02	1.87E+03	3.14E+02	1.54E-02	4.09E+02	1.94E+03	3.38E+02	3.85E-02	4.23E+02	1.97E+03	3.48E+02	9.23E-02
Benzo(k)fluoranthene		8.92E+01	5.41E+02	7.66E+01	6.87E-01	1.10E+02	5.76E+02	9.22E+01	1.72E+00	1.21E+02	5.91E+02	1.00E+02	4.12E+00
Chrysene		1.66E+01	1.19E+02	1.46E+01	4.40E-01	2.54E+01	1.49E+02	2.17E+01	1.10E+00	3.19E+01	1.66E+02	2.67E+01	2.64E+00
Dibenzo(a,h)anthracene		2.90E-01	1.45E+00	2.41E-01	3.93E-03	3.43E-01	1.64E+00	2.84E-01	9.82E-03	3.69E-01	1.74E+00	3.04E-01	2.36E-02
Fluoranthene		2.87E+02	3.83E+04	2.85E+02	1.89E+01	5.63E+02	8.87E+04	5.60E+02	4.73E+01	9.00E+02	1.83E+05	8.96E+02	1.13E+02
Fluorene		1.77E+02	6.20E+03	1.72E+02	3.09E+01	4.19E+02	1.53E+04	4.07E+02	7.65E+01	8.98E+02	3.62E+04	8.77E+02	1.83E+02
Hexachloroethane		2.68E-01	NR	NR	8.17E+00	6.57E-01	NR	NR	2.01E+01	1.55E+00	NR	NR	4.81E+01
Indeno(1,2,3-cd)pyrene		3.09E+01	2.12E+02	2.70E+01	6.13E-02	4.22E+01	2.38E+02	3.59E+01	1.53E-01	4.92E+01	2.50E+02	4.11E+01	3.68E-01
Naphthalene		2.78E+01	2.33E+01	1.27E+01	7.64E+01	6.66E+01	5.58E+01	3.04E+01	1.83E+02	1.53E+02	1.31E+02	7.06E+01	4.32E+02
Phenanthrene		9.85E+01	7.17E+03	9.72E+01	3.60E+01	2.24E+02	1.76E+04	2.22E+02	8.96E+01	4.48E+02	4.07E+04	4.43E+02	2.14E+02
Pyrene		6.25E+02	8.79E+04	6.20E+02	2.20E+00	1.25E+03	2.04E+05	1.24E+03	5.49E+00	2.05E+03	4.23E+05	2.04E+03	1.32E+01
Phenol		1.60E+02	4.58E+02	1.20E+02	2.42E+04	2.96E+02	6.95E+02	2.09E+02	3.81E+04	5.86E+02	1.19E+03	3.93E+02	7.03E+04

Total Petroleum Hydrocarbons

Aliphatic hydrocarbons EC ₅ -EC ₆		4.99E+03	4.24E+01	4.23E+01	3.04E+02	1.13E+04	7.79E+01	7.78E+01	5.58E+02	2.50E+04	1.61E+02	1.60E+02	1.15E+03
Aliphatic hydrocarbons >EC ₅ -EC ₆		1.49E+04	1.04E+02	1.03E+02	1.44E+02	3.43E+04	2.31E+02	2.31E+02	3.22E+02	7.11E+04	5.29E+02	5.28E+02	7.36E+02
Aliphatic hydrocarbons >EC ₆ -EC ₁₀		1.61E+03	2.68E+01	2.67E+01	7.77E+01	2.91E+03	6.55E+01	6.51E+01	1.90E+02	4.26E+03	1.56E+02	1.54E+02	4.51E+02
Aliphatic hydrocarbons >EC ₁₀ -EC ₁₂		4.57E+03	1.33E+02	1.32E+02	4.75E+01	5.51E+03	3.31E+02	3.26E+02	1.18E+02	5.98E+03	7.93E+02	7.65E+02	2.83E+02
Aliphatic hydrocarbons >EC ₁₂ -EC ₁₆		6.27E+03	1.11E+03	1.06E+03	2.37E+01	6.34E+03	2.78E+03	2.41E+03	5.91E+01	6.36E+03	6.67E+03	4.34E+03	1.42E+02
Aliphatic hydrocarbons >EC ₁₆ -EC ₃₅	(b)	6.46E+04	NR	NR	8.48E+00	9.17E+04	NR	NR	2.12E+01	1.10E+05	NR	NR	5.09E+01
Aliphatic hydrocarbons >EC ₃₅ -EC ₄₄	(b)	6.46E+04	NR	NR	8.48E+00	9.17E+04	NR	NR	2.12E+01	1.10E+05	NR	NR	5.09E+01
Aromatic hydrocarbons >EC ₈ -EC ₁₀		5.76E+01	4.74E+01	3.45E+01	6.13E+02	1.38E+02	1.16E+02	8.38E+01	1.50E+03	3.07E+02	2.77E+02	1.94E+02	3.58E+02
Aromatic hydrocarbons >EC ₁₀ -EC ₁₂		8.29E+01	2.58E+02	7.52E+01	3.64E+02	1.96E+02	6.39E+02	1.79E+02	8.99E+02	4.25E+02	1.52E+03	3.91E+02	2.15E+03
Aromatic hydrocarbons >EC ₁₂ -EC ₁₆		1.47E+02	2.85E+03	1.45E+02	1.69E+02	3.36E+02	7.07E+03	3.32E+02	4.19E+02	6.81E+02	1.68E+04	6.74E+02	1.00E+03
Aromatic hydrocarbons >EC ₁₆ -EC ₂₁	(b)	2.63E+02	NR	NR	5.37E+01	5.45E+02	NR	NR	1.34E+02	9.34E+02	NR	NR	3.21E+02
Aromatic hydrocarbons >EC ₂₁ -EC ₃₅	(b)	1.09E+03	NR	NR	4.83E+00	1.47E+03	NR	NR	1.21E+01	1.70E+03	NR	NR	2.90E+01
Aromatic hydrocarbons >EC ₃₅ -EC ₄₄	(b)	1.09E+03	NR	NR	4.83E+00	1.47E+03	NR	NR	1.21E+01	1.70E+03	NR	NR	2.90E+01

Notes:

EC - equivalent carbon. SAC - soil assessment criteria.

The CLEA model output is colour coded depending upon whether the soil saturation limit has been exceeded.

	Calculated SAC exceeds soil saturation limit and may significantly affect the interpretation of any exceedances as the contribution of the indoor and outdoor vapour pathway to total exposure is >10%.
	Calculated SAC exceeds soil saturation limit but the exceedance will not affect the SAC significantly as the contribution of the indoor and outdoor vapour pathway to total exposure is <10%.
	Calculated SAC does not exceed the soil saturation limit.

The SAC for organic compounds are dependant upon soil organic matter (SOM) (%) content. To obtain SOM from total organic carbon (TOC) (%) divide by 0.58. 1% SOM is 0.58% TOC. DL Rowell Soil Science: Methods and Applications, Longmans, 1994.

SAC for TPH fractions, PAHs naphthalene, acenaphthene and acenaphthylene, BTEX and trimethylbenzene compounds were produced using an attenuation factor for the indoor air inhalation pathway of 10 to reduce conservatism associated with the vapour inhalation pathway (Section 10.1.1, SR3)

(a) SAC for arsenic, benzene, benzo(a)pyrene, cadmium, chromium VI and lead are derived using the C4SL toxicology data.

(b) SAC for boron and selenium should not include the inhalation pathway as no expert group HCV has been derived; aliphatic and aromatic hydrocarbons >EC₁₆ should not include inhalation pathway due to their non-volatile nature and inhalation exposure being minimal (oral, dermal and inhalation exposure is compared to the oral HCV); arsenic should only be based on oral contribution (rather than combined) owing to the relative small contribution from inhalation in accordance with the SGV report. The Oral SAC should be adopted for zinc and benzo(a)pyrene.

(c) SAC for CrIII should be based on the lower of the oral and inhalation SAC (see LQM/CIEH 2015 Section 6.8)

(d) SAC for elemental mercury, chromium VI and nickel should be based on the inhalation pathway only.

(e) SAC for 1,3,5-trimethylbenzene is not recorded owing to the lack of toxicological data, SAC for 1,2,4 trimethylbenzene may be used.

GENERIC ASSESSMENT CRITERIA FOR HUMAN HEALTH - RESIDENTIAL WITH HOME-GROWN PRODUCE



Table 5
Human Health Generic Assessment Criteria for Residential with home-grown produce

Compound	SAC for Soil SOM 1% (mg/kg)	SAC for Soil SOM 2.5% (mg/kg)	SAC for Soil SOM 6% (mg/kg)
Metals			
Arsenic	37	37	37
Barium	1,300	1,300	1,300
Beryllium	1.7	1.7	1.7
Boron	300	300	300
Cadmium	22	22	22
Chromium (III) - trivalent	910	910	910
Chromium (VI) - hexavalent	21	21	21
Copper	2,500	2,500	2,500
Lead	200	200	200
Elemental Mercury (Hg ⁰)	0.2	0.6	1.2
Inorganic Mercury (Hg ²⁺)	39	39	39
Methyl Mercury (Hg ⁴⁺)	10	10	10
Nickel	130	130	130
Selenium	258	258	258
Vanadium	410	410	410
Zinc	3,900	3,900	3,900
Cyanide (free)	1.4	1.4	1.4
Volatile Organic Compounds			
Benzene	0.20	0.41	0.87
Toluene	130	300	680
Ethylbenzene	50	110	260
Xylene - m	59	140	327
Xylene - o	61	143	332
Xylene - p	57	133	310
Total xylene	57	133	310
Methyl tertiary-Butyl ether (MTBE)	60	110	210
1,1,1,2-Tetrachloroethane	1.20	2.78	6.46
1,1,2,2-Tetrachloroethane	1.6	3.5	7.7
1,1,1-Trichloroethane	9	18	39
1,1,2 Trichloroethane	0.8	1.6	3.5
1,1-Dichloroethene	0.32	0.57	1.16
1,2-Dichloroethane	0.007	0.011	0.019
1,2,4-Trimethylbenzene	1.8	4.3	9.7
1,3,5-Trimethylbenzene	NR	NR	NR
1,2-Dichloropropane	0.034	0.060	0.120
Carbon Tetrachloride (tetrachloromethane)	0.026	0.056	0.127
Chloroethane	11.7	15.9	25.7
Chloromethane	0.012	0.014	0.019
Cis 1,2 Dichloroethene	0.16	0.27	0.52
Dichloromethane	0.62	1.08	1.92
Tetrachloroethene (PCE)	0.31	0.70	1.60
Trans 1,2 Dichloroethene	0.28	0.50	1.02
Trichloroethene (TCE)	0.009	0.020	0.043
Vinyl Chloride (chloroethene)	0.006	0.010	0.017
Semi-Volatile Organic Compounds			
2-Chloronaphthalene	5	13	31
Acenaphthene	230	540	1,170
Acenaphthylene	180	440	970
Anthracene	2,400	5,500	10,900
Benzo(a)anthracene	7	11	13
Benzo(a)pyrene	5	5	5
Benzo(b)fluoranthene	2.6	3.3	3.7
Benzo(g,h,i)perylene	310	340	350
Benzo(k)fluoranthene	77	92	100
Chrysene	15	22	27
Dibenzo(a,h)anthracene	0.24	0.28	0.30
Fluoranthene	290	560	900
Fluorene	170	410	880
Hexachloroethane	0.27	0.66	1.55
Indeno(1,2,3-cd)pyrene	13	30	71
Naphthalene	13	30	71
Phenanthrene	100	220	440
Pyrene	620	1,240	2,040
Phenol	120	210	390
Total Petroleum Hydrocarbons			
Aliphatic hydrocarbons EC ₅ -EC ₆	42	78	160
Aliphatic hydrocarbons >EC ₆ -EC ₈	100	230	530
Aliphatic hydrocarbons >EC ₈ -EC ₁₀	27	65	154
Aliphatic hydrocarbons >EC ₁₀ -EC ₁₂	130 (48)	330 (118)	760 (283)
Aliphatic hydrocarbons >EC ₁₂ -EC ₁₆	1,100 (24)	2,400 (59)	4,300 (142)
Aliphatic hydrocarbons >EC ₁₆ -EC ₃₅	65,000 (8)	92,000 (21)	110,000
Aliphatic hydrocarbons >EC ₃₅ -EC ₄₄	65,000 (8)	92,000 (21)	110,000
Aromatic hydrocarbons >EC ₈ -EC ₁₀	30	80	190
Aromatic hydrocarbons >EC ₁₀ -EC ₁₂	80	180	390
Aromatic hydrocarbons >EC ₁₂ -EC ₁₆	140	330	670
Aromatic hydrocarbons >EC ₁₆ -EC ₂₁	260	540	930
Aromatic hydrocarbons >EC ₂₁ -EC ₃₅	1,100	1,500	1,700
Aromatic hydrocarbons >EC ₃₅ -EC ₄₄	1,100	1,500	1,700
Minerals			
Asbestos	Stage 1 test – No asbestos detected with ID; Stage 2 test - <0.001% dry weight (exceedance of either equates to an exceedance of the GAC) ¹		
Notes: * Generic assessment criteria not calculated owing to low volatility of substance and therefore no pathway, or an absence of toxicological data. NR - SAC for 1,3,5-trimethylbenzene is not recorded owing to the lack of toxicological data, SAC for 1,2,4 trimethylbenzene may be used EC - equivalent carbon. SAC - soil assessment criteria. ¹ LOD for weight of asbestos per unit weight of soil calculated on a dry weight basis using PLM, handpicking and gravimetry.			
The SAC for organic compounds are dependent on Soil Organic Matter (SOM) (%) content. To obtain SOM from total organic carbon (TOC) (%) divide by 0.58. 1% SOM is 0.58% TOC. DL Rowell Soil Science: Methods and Applications, Longmans, 1994.			
SAC for TPH fractions, PAHs naphthalene, acenaphthene and acenaphthylene, BTEX and trimethylbenzene compounds were produced using an attenuation factor for the indoor air inhalation pathway of 10 to reduce conservatism associated with the vapour inhalation pathway, section 10.1.1, SR3.			
(VALUE IN BRACKETS)			
RSK has adopted an approach for petroleum hydrocarbons in accordance with LQM/CIEH whereby the concentration modelled for each petroleum hydrocarbon fraction has been tabulated as the SAC with the corresponding solubility or vapour saturation limits given in brackets.			

K 2. GAC for Phytotoxic Effects

APPENDIX K

GENERIC ASSESSMENT CRITERIA FOR PHYTOTOXIC EFFECTS

Several compounds can inhibit plant growth; hence it is important to have generic assessment criteria (GAC) to promote healthy plant growth. In the absence of other published GAC, the GAC have been obtained from legislation (UK and European) and guidance related to the use of sewage sludge on agricultural fields.

The Council of European Communities Sewage Sludge Directive (86/278/EEC) dated 1986, has been transposed into UK law by Statutory Instrument No. 1263, The Sludge (use in Agriculture) Regulations 1989 (Public Health England, Wales and Scotland), as amended in 1990 and The Sludge (use in Agriculture) Regulations (Northern Ireland) SR No, 245, 1990. In addition the Department of Environment (DoE) produced a Code of Practice (CoP) (Updated 2nd Edition) in 2006 which provided guidance on the application of sewage sludge on agricultural land (however the status of this document is unclear as it is on the archive section of the Defra website).

The directive seeks to encourage the use of sewage sludge in agriculture and to regulate its use in such a way as to “**prevent harmful effects on soil, vegetation, animals and man**”. To this end, it prohibits the use of untreated sludge on agricultural land unless it is injected or incorporated into the soil. Treated sludge is defined as having undergone "biological, chemical or heat treatment, long-term storage or any other appropriate process so as significantly to reduce its fermentability and the health hazards resulting from its use". To provide protection against potential health risks from residual pathogens, sludge must not be applied to soil in which fruit and vegetable crops are growing, or less than ten months before fruit and vegetable crops are to be harvested. Grazing animals must not be allowed access to grassland or forage land less than three weeks after the application of sludge.

The specified limits of concentrations of selected elements in soil are presented in Table 4 of the updated 2nd Edition of the DoE Code of Practice and are designed to protect plant growth. It is noted that these values are more stringent than the values set in current UK regulations. However since they were amended following recommendations from the Independent Scientific Committee in 1993. (MAFF/DOE 1993). The GAC are presented in Table 1.

Table 1: Generic assessment criteria

Determinant	Generic assessment criteria (mg/kg)			
	pH 5.0 < 5.5	pH 5.5 < 6.0	pH 6.0 < 7.0	pH >7.0
Zinc	200	200	200	300
Copper	80	100	135	200
Nickel	50	60	75	110
Lead	300	300	300	300
Cadmium	3	3	3	3
Mercury	1	1	1	1
Note: Only compounds with assessment criteria documented within the Directive 86/278/EEC have been included, although criteria for 5 additional compounds have been presented within the 2006 CoP.				

Appendix L

GQRA DATA SCREENING ASSESSMENT



L 1. Soil Assessment to Human Health

Project code:

Land use: Phytotoxic (pH 5.5 < 6.0)
SOM: 2.5%

Project name		Notes	
Project code			
Client name			
Address			
NGR			
Land use	Phytotoxic (pH 5.5 < 6.0)		
SOM	2.5%		
GAC version	2012_01		

		Lab sample ID	25/05518/1	25/05518/3	25/05518/4	25/05518/5	25/05518/6	25/05518/7	25/05518/9	25/05518/10	25/05518/12	25/05518/13
		Client sample ID	TP01	TP03	TP04	TP05	TP07	TP08	WS02	WS03	WS04	WS05
		Depth to top	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.1
		Depth to bottom	0.3	0.4	0.4	0.3	0.4	0.4	0.4	0.3	0.3	0.3
		Date sampled	20/05/25	20/05/25	20/05/25	20/05/25	20/05/25	20/05/25	22/05/25	22/05/25	22/05/25	22/05/25
Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-detects				
Metals and Inorganics												
Arsenic	mg/kg			4	2	10	10	0	3	3		3
Cadmium	mg/kg			<0.5		10	0	10	<0.5	<0.5		<0.5
Chromium	mg/kg			11	5	10	10	0	10	11		9
Copper	mg/kg			25	6	10	10	0	6	8		10
Lead	mg/kg			87	18	10	10	0	18	30		64
Mercury	mg/kg			1.12	<0.17	10	1	9	<0.17	<0.17		<0.17
Nickel	mg/kg			12	3	10	10	0	5	7		5
Selenium	mg/kg			<1		10	0	10	<1	<1		<1
Zinc	mg/kg			27	14	10	10	0	18	27		20
Asbestos												
Asbestos in soil						10	0	10	NAD	NAD		NAD
Petroleum Hydrocarbons												
Ali >C5-C6	mg/kg			<0.01		10	0	10	<0.01	<0.01		<0.01
Ali >C6-C8	mg/kg			<0.01		10	0	10	<0.01	<0.01		<0.01
Ali >C8-C10	mg/kg			<1		10	0	10	<1	<1		<1
Ali >C10-C12	mg/kg			<1		10	0	10	<1	<1		<1
Ali >C12-C16	mg/kg			<1		10	0	10	<1	<1		<1
Ali >C16-C21	mg/kg			<1		10	0	10	<1	<1		<1
Ali >C21-C35	mg/kg			5	2	10	10	0	2	2		2
Ali >C16-C35 calculated	mg/kg			5	2	10	10	0	2	2		2
Total Aliphatics	mg/kg			5	2	10	10	0	2	2		2
Aro >C5-C7	mg/kg			<0.01		10	0	10	<0.01	<0.01		<0.01
Aro >C7-C8	mg/kg			<0.01		10	0	10	<0.01	<0.01		<0.01
Aro >C8-C10	mg/kg			<1		10	0	10	<1	<1		<1
Aro >C10-C12	mg/kg			<1		10	0	10	<1	<1		<1
Aro >C12-C16	mg/kg			<1		10	0	10	<1	<1		<1
Aro >C16-C21	mg/kg			2	<1	10	6	4	<1	<1		<1
Aro >C21-C35	mg/kg			9	<1	10	9	1	<1	1		2
Total Aromatics	mg/kg			12	<1	10	9	1	<1	1		2
TPH (Ali & Aro)	mg/kg			15	2	10	10	0	2	4		5
BTEX - Benzene	mg/kg			<0.01		10	0	10	<0.01	<0.01		<0.01
BTEX - Toluene	mg/kg			<0.01		10	0	10	<0.01	<0.01		<0.01
BTEX - Ethyl Benzene	mg/kg			<0.01		10	0	10	<0.01	<0.01		<0.01
BTEX - o Xylene	mg/kg			<0.01		10	0	10	<0.01	<0.01		<0.01
BTEX - m & p Xylene	mg/kg			<0.01		10	0	10	<0.01	<0.01		<0.01
Fuel oxygenates												
MTBE	mg/kg			<0.01		10	0	10	<0.01	<0.01		<0.01
Polycyclic aromatic hydrocarbons												

Project code:

Land use: Phytotoxic (pH 5.5 < 6.0)
SOM: 2.5%

Project name		
Project code		
Client name		
Address		
NGR		
Land use	Phytotoxic (pH 5.5 < 6.0)	
SOM	2.5%	
GAC version	2012_01	

									Lab sample ID	25/05518/14	25/05518/15	25/05518/16
									Client sample ID	WS06	WS07	WS08
									Depth to top	0.1	0.2	0.2
									Depth to bottom	0.3	0.4	0.4
									Date sampled	22/05/25	22/05/25	22/05/25
Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-deter				
Metals and Inorganics												
Arsenic	mg/kg			4	2	10	10	0	4			2
Cadmium	mg/kg				<0.5	10	0	10	<0.5			<0.5
Chromium	mg/kg			11	5	10	10	0	9			7
Copper	mg/kg			25	6	10	10	0	8			6
Lead	mg/kg			87	18	10	10	0	23			25
Mercury	mg/kg			1.12	<0.17	10	1	9	<0.17			<0.17
Nickel	mg/kg			12	3	10	10	0	4			7
Selenium	mg/kg				<1	10	0	10	<1			<1
Zinc	mg/kg			27	14	10	10	0	16			16
Asbestos												
Asbestos in soil						10	0	10	NAD			NAD
Petroleum Hydrocarbons												
Ali >C5-C6	mg/kg				<0.01	10	0	10	<0.01			<0.01
Ali >C6-C8	mg/kg				<0.01	10	0	10	<0.01			<0.01
Ali >C8-C10	mg/kg				<1	10	0	10	<1			<1
Ali >C10-C12	mg/kg				<1	10	0	10	<1			<1
Ali >C12-C16	mg/kg				<1	10	0	10	<1			<1
Ali >C16-C21	mg/kg				<1	10	0	10	<1			<1
Ali >C21-C35	mg/kg			5	2	10	10	0	2			4
Ali >C16-C35 calculated	mg/kg			5	2	10	10	0	2			4
Total Aliphatics	mg/kg			5	2	10	10	0	2			4
Aro >C5-C7	mg/kg				<0.01	10	0	10	<0.01			<0.01
Aro >C7-C8	mg/kg				<0.01	10	0	10	<0.01			<0.01
Aro >C8-C10	mg/kg				<1	10	0	10	<1			<1
Aro >C10-C12	mg/kg				<1	10	0	10	<1			<1
Aro >C12-C16	mg/kg				<1	10	0	10	<1			<1
Aro >C16-C21	mg/kg			2	<1	10	6	4	<1			2
Aro >C21-C35	mg/kg			9	<1	10	9	1	2			9
Total Aromatics	mg/kg			12	<1	10	9	1	2			12
TPH (Ali & Aro)	mg/kg			15	2	10	10	0	5			15
BTEX - Benzene	mg/kg				<0.01	10	0	10	<0.01			<0.01
BTEX - Toluene	mg/kg				<0.01	10	0	10	<0.01			<0.01
BTEX - Ethyl Benzene	mg/kg				<0.01	10	0	10	<0.01			<0.01
BTEX - o Xylene	mg/kg				<0.01	10	0	10	<0.01			<0.01
BTEX - m & p Xylene	mg/kg				<0.01	10	0	10	<0.01			<0.01
Fuel oxygenates												
MTBE	mg/kg				<0.01	10	0	10	<0.01			<0.01
Polycyclic aromatic hydrocarbons												

									Lab sample ID	25/05518/1	25/05518/3	25/05518/4	25/05518/5	25/05518/6	25/05518/7	25/05518/9	25/05518/10	25/05518/12	25/05518/13
									Client sample ID	TP01	TP03	TP04	TP05	TP07	TP08	WS02	WS03	WS04	WS05
									Depth to top	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.1
									Depth to bottom	0.3	0.4	0.4	0.3	0.4	0.4	0.4	0.3	0.3	0.3
									Date sampled	20/05/25	20/05/25	20/05/25	20/05/25	20/05/25	20/05/25	22/05/25	22/05/25	22/05/25	22/05/25
Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-detects											
Acenaphthene	mg/kg				<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acenaphthylene	mg/kg				<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Anthracene	mg/kg			0.04	<0.02	10	1	9	<0.02	<0.02		<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(a)anthracene	mg/kg			0.1	<0.04	10	3	7	<0.04	<0.04		0.06		<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Benzo(a)pyrene	mg/kg			0.11	<0.04	10	3	7	<0.04	<0.04		0.07		<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Benzo(b)fluoranthene	mg/kg			0.14	<0.05	10	4	6	<0.05	<0.05		0.09		0.06	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(ghi)perylene	mg/kg			0.06	<0.05	10	1	9	<0.05	<0.05		<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(k)fluoranthene	mg/kg				<0.07	10	0	10	<0.07	<0.07		<0.07		<0.07	<0.07	<0.07	<0.07	<0.07	<0.07
Chrysene	mg/kg			0.14	<0.06	10	3	7	<0.06	<0.06		0.08		<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Dibenzo(ah)anthracene	mg/kg				<0.04	10	0	10	<0.04	<0.04		<0.04		<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Fluoranthene	mg/kg			0.26	<0.08	10	4	6	<0.08	<0.08		0.15		0.1	<0.08	<0.08	<0.08	<0.08	<0.08
Fluorene	mg/kg				<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Indeno(123-cd)pyrene	mg/kg			0.07	<0.03	10	3	7	<0.03	<0.03		0.05		<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Naphthalene	mg/kg				<0.03	10	0	10	<0.03	<0.03		<0.03		<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Phenanthrene	mg/kg			0.13	<0.03	10	3	7	<0.03	<0.03		0.05		<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Pyrene	mg/kg			0.22	<0.07	10	4	6	<0.07	<0.07		0.14		0.09	<0.07	<0.07	<0.07	<0.07	<0.07
Total PAH-16MS	mg/kg			1.17	<0.08	10	4	6	<0.08	<0.08		0.69		0.25	<0.08	<0.08	<0.08	<0.08	<0.08
Other analytes																			
% Stones >10mm	% w/w				<0.1	13	0	13	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				
alpha-Hexachlorocyclohexane (HCH)	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				
Atrazine	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				
Azinphos-ethyl	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				
Azinphos-methyl	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				
beta-Hexachlorocyclohexane (HCH)	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				
Carbophenothion	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				
Chlorfenvinphos	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				
Chlorothalonil	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				
Chlorpyrifos	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				
Chlorpyrifos-methyl	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				
cis-Chlordane (Alpha)	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				
Coumaphos	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				
delta-Hexachlorocyclohexane (HCH)	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				
Demeton-O	mg/kg				<0.50	3	0	3			<0.50		<0.50		<0.50				
Demeton-S	mg/kg				<0.50	3	0	3			<0.50		<0.50		<0.50				
Diazinon (Dimpylate)	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				
Dichlobenil	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				
Dichlorvos	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				
Dieldrin	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				
Dimethoate	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				
Disulfoton	mg/kg				<0.10	3	0	3			<0.10		<0.10		<0.10				
Endosulphan I (Alpha)	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				
Endosulphan II (Beta)	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				
Endosulphan Sulphate	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				
Endrin	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				
Endrin Aldehyde	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				
Endrin Ketone	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				
Ethion	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				
Fenitrothion	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				
Fensulphothion	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				
Fenthion	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01				

									Lab sample ID	25/05518/14	25/05518/15	25/05518/16
									Client sample ID	WS06	WS07	WS08
									Depth to top	0.1	0.2	0.2
									Depth to bottom	0.3	0.4	0.4
									Date sampled	22/05/25	22/05/25	22/05/25
Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-detects				
Acenaphthene	mg/kg				<0.01	10	0	10	<0.01			<0.01
Acenaphthylene	mg/kg				<0.01	10	0	10	<0.01			<0.01
Anthracene	mg/kg			0.04	<0.02	10	1	9	0.04			<0.02
Benzo(a)anthracene	mg/kg			0.1	<0.04	10	3	7	0.1			0.09
Benzo(a)pyrene	mg/kg			0.11	<0.04	10	3	7	0.08			0.11
Benzo(b)fluoranthene	mg/kg			0.14	<0.05	10	4	6	0.1			0.14
Benzo(ghi)perylene	mg/kg			0.06	<0.05	10	1	9	<0.05			0.06
Benzo(k)fluoranthene	mg/kg				<0.07	10	0	10	<0.07			<0.07
Chrysene	mg/kg			0.14	<0.06	10	3	7	0.11			0.14
Dibenzo(ah)anthracene	mg/kg				<0.04	10	0	10	<0.04			<0.04
Fluoranthene	mg/kg			0.26	<0.08	10	4	6	0.25			0.26
Fluorene	mg/kg				<0.01	10	0	10	<0.01			<0.01
Indeno(123-cd)pyrene	mg/kg			0.07	<0.03	10	3	7	0.04			0.07
Naphthalene	mg/kg				<0.03	10	0	10	<0.03			<0.03
Phenanthrene	mg/kg			0.13	<0.03	10	3	7	0.13			0.08
Pyrene	mg/kg			0.22	<0.07	10	4	6	0.2			0.22
Total PAH-16MS	mg/kg			1.17	<0.08	10	4	6	1.05			1.17
Other analytes												
% Stones >10mm	% w/w				<0.1	13	0	13	<0.1	<0.1		<0.1
Aldrin	mg/kg				<0.01	3	0	3				
alpha-Hexachlorocyclohexane (HCH)	mg/kg				<0.01	3	0	3				
Atrazine	mg/kg				<0.01	3	0	3				
Azinphos-ethyl	mg/kg				<0.01	3	0	3				
Azinphos-methyl	mg/kg				<0.01	3	0	3				
beta-Hexachlorocyclohexane (HCH)	mg/kg				<0.01	3	0	3				
Carbophenothion	mg/kg				<0.01	3	0	3				
Chlorfenvinphos	mg/kg				<0.01	3	0	3				
Chlorothalonil	mg/kg				<0.01	3	0	3				
Chlorpyrifos	mg/kg				<0.01	3	0	3				
Chlorpyrifos-methyl	mg/kg				<0.01	3	0	3				
cis-Chlordane (Alpha)	mg/kg				<0.01	3	0	3				
Coumaphos	mg/kg				<0.01	3	0	3				
delta-Hexachlorocyclohexane (HCH)	mg/kg				<0.01	3	0	3				
Demeton-O	mg/kg				<0.50	3	0	3				
Demeton-S	mg/kg				<0.50	3	0	3				
Diazinon (Dimpylate)	mg/kg				<0.01	3	0	3				
Dichlobenil	mg/kg				<0.01	3	0	3				
Dichlorvos	mg/kg				<0.01	3	0	3				
Dieldrin	mg/kg				<0.01	3	0	3				
Dimethoate	mg/kg				<0.01	3	0	3				
Disulfoton	mg/kg				<0.10	3	0	3				
Endosulphan I (Alpha)	mg/kg				<0.01	3	0	3				
Endosulphan II (Beta)	mg/kg				<0.01	3	0	3				
Endosulphan Sulphate	mg/kg				<0.01	3	0	3				
Endrin	mg/kg				<0.01	3	0	3				
Endrin Aldehyde	mg/kg				<0.01	3	0	3				
Endrin Ketone	mg/kg				<0.01	3	0	3				
Ethion	mg/kg				<0.01	3	0	3				
Fenitrothion	mg/kg				<0.01	3	0	3				
Fensulphothion	mg/kg				<0.01	3	0	3				
Fenthion	mg/kg				<0.01	3	0	3				

Project code:

Land use: Phytotoxic (pH 5.5 < 6.0)

SOM: 2.5%

									Lab sample ID	25/05518/1	25/05518/3	25/05518/4	25/05518/5	25/05518/6	25/05518/7	25/05518/9	25/05518/10	25/05518/12	25/05518/13
									Client sample ID	TP01	TP03	TP04	TP05	TP07	TP08	WS02	WS03	WS04	WS05
									Depth to top	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.1
									Depth to bottom	0.3	0.4	0.4	0.3	0.4	0.4	0.4	0.3	0.3	0.3
									Date sampled	20/05/25	20/05/25	20/05/25	20/05/25	20/05/25	20/05/25	22/05/25	22/05/25	22/05/25	22/05/25
Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-detects											
gamma-Hexachlorocyclohexane (HCH)	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
Heptachlor	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
Heptachlor epoxide	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
Hexachlorobenzene (HCB)	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
Isodrin	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
Malathion	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
Methyl Parathion	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
Mevinphos	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
o,p-DDD (2,4)	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
o,p-DDE (2,4)	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
o,p-DDT (2,4)	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
o,p-Methoxychlor	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
p,p-DDD (4,4)	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
p,p-DDE (4,4)	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
p,p-DDT (4,4)	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
p,p-Methoxychlor	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
Parathion (ethyl)	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
Pendimethalin	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
Permethrin I (cis)	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
Permethrin II (trans)	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
pH	pH			8.48	5.51	11	11	0	6.19	6.12			5.75		5.56	5.51	5.54	6.42	5.51
Phorate	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
Phosalone	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
Pirimiphos-methyl	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
Propetamphos	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
Prothiofos (Tokuthion)	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
Quintozene (PCNB)	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
Simazine	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
Sulphate (acid soluble)	mg/kg			420	230	10	10	0	260	280			340		350	310	420	380	270
Sulphate (water sol 2:1)	g/l			0.02	<0.01	10	1	9	0.02	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tecnazene	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
Telodrin	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
Total Organic Carbon	% w/w			2.15	0.97	11	11	0	0.97	1.25			1.34		1.5	1.47	2.04	1.68	1.39
Converted to SOM (x / 0.58)	% w/w			3.706897	1.672414	11	11	0	1.67241379	2.15517241			2.31034483		2.5862069	2.53448276	3.51724138	2.89655172	2.39655172
trans-Chlordane (Gamma)	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
Triadimefon	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
Triallate	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
Triazophos	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
Trichloronate	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			
Trifluralin	mg/kg				<0.01	3	0	3		<0.01		<0.01		<0.01		<0.01			

Project code:

Land use: Phytotoxic (pH 5.5 < 6.0)
SOM: 2.5%

									Lab sample ID	25/05518/14	25/05518/15	25/05518/16
									Client sample ID	WS06	WS07	WS08
									Depth to top	0.1	0.2	0.2
									Depth to bottom	0.3	0.4	0.4
									Date sampled	22/05/25	22/05/25	22/05/25
Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-deter				
gamma-Hexachlorocyclohexane (HCH)	mg/kg				<0.01	3	0	3				
Heptachlor	mg/kg				<0.01	3	0	3				
Heptachlor epoxide	mg/kg				<0.01	3	0	3				
Hexachlorobenzene (HCB)	mg/kg				<0.01	3	0	3				
Isodrin	mg/kg				<0.01	3	0	3				
Malathion	mg/kg				<0.01	3	0	3				
Methyl Parathion	mg/kg				<0.01	3	0	3				
Mevinphos	mg/kg				<0.01	3	0	3				
o,p-DDD (2,4)	mg/kg				<0.01	3	0	3				
o,p-DDE (2,4)	mg/kg				<0.01	3	0	3				
o,p-DDT (2,4)	mg/kg				<0.01	3	0	3				
o,p-Methoxychlor	mg/kg				<0.01	3	0	3				
p,p-DDD (4,4)	mg/kg				<0.01	3	0	3				
p,p-DDE (4,4)	mg/kg				<0.01	3	0	3				
p,p-DDT (4,4)	mg/kg				<0.01	3	0	3				
p,p-Methoxychlor	mg/kg				<0.01	3	0	3				
Parathion (ethyl)	mg/kg				<0.01	3	0	3				
Pendimethalin	mg/kg				<0.01	3	0	3				
Permethrin I (cis)	mg/kg				<0.01	3	0	3				
Permethrin II (trans)	mg/kg				<0.01	3	0	3				
pH	pH			8.48	5.51	11	11	0	5.53	8.48	5.78	
Phorate	mg/kg				<0.01	3	0	3				
Phosalone	mg/kg				<0.01	3	0	3				
Pirimiphos-methyl	mg/kg				<0.01	3	0	3				
Propetamphos	mg/kg				<0.01	3	0	3				
Prothiofos (Tokuthion)	mg/kg				<0.01	3	0	3				
Quintozene (PCNB)	mg/kg				<0.01	3	0	3				
Simazine	mg/kg				<0.01	3	0	3				
Sulphate (acid soluble)	mg/kg			420	230	10	10	0	290		230	
Sulphate (water sol 2:1)	g/l			0.02	<0.01	10	1	9	<0.01		<0.01	
Tecnazene	mg/kg				<0.01	3	0	3				
Telodrin	mg/kg				<0.01	3	0	3				
Total Organic Carbon	% w/w			2.15	0.97	11	11	0	1.23	2.15	1.07	
Converted to SOM (x / 0.58)	% w/w			3.706897	1.672414	11	11	0	2.12068966	3.70689655	1.84482759	
trans-Chlordane (Gamma)	mg/kg				<0.01	3	0	3				
Triadimefon	mg/kg				<0.01	3	0	3				
Triallate	mg/kg				<0.01	3	0	3				
Triazophos	mg/kg				<0.01	3	0	3				
Trichloronate	mg/kg				<0.01	3	0	3				
Trifluralin	mg/kg				<0.01	3	0	3				

L 2. Ground Gas

Project name	Scamps Hill	Notes	
Project code	52744		
Client name	Gladman Developments Ltd		
Address			
NGR			
Land use	Residential with home-grown produce		
SOM	2.5%		
GAC version	2021_00		

										Lab sample ID	25/05518/1	25/05518/3	25/05518/4	25/05518/5	25/05518/6	25/05518/7	25/05518/9	25/05518/10	25/05518/11	25/05518/12	25/05518/13	25/05518/14	25/05518/15	25/05518/16
										Client sample ID	TP01	TP03	TP04	TP05	TP07	TP08	WS02	WS03	WS04	WS05	WS06	WS07	WS08	
										Depth to top	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2
										Depth to bottom	0.3	0.4	0.4	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4
										Date sampled	20/05/25	20/05/25	20/05/25	20/05/25	20/05/25	20/05/25	22/05/25	22/05/25	22/05/25	22/05/25	22/05/25	22/05/25	22/05/25	22/05/25
Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-detects																
Metals and Inorganics																								
Arsenic	mg/kg	37		4	2	10	10	0	3	3		3		2	4	3	3	2	4				2	
Cadmium	mg/kg	22			<0.5	10	0	10	<0.5	<0.5		<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5		
Chromium	mg/kg	910	21	11	5	10	10	0	10	11		9		9	9	9	11	5	9			7		
Copper	mg/kg	2500		25	6	10	10	0	6	8		10		8	25	9	9	6	8			6		
Lead	mg/kg	200		87	18	10	10	0	18	30		64		26	87	36	36	23	23			25		
Mercury	mg/kg	39	0.6	1.12	<0.17	10	1	9	<0.17	<0.17		<0.17		<0.17	<0.17	<0.17	<0.17	1.12	<0.17			<0.17		
Nickel	mg/kg	130		12	3	10	10	0	5	7		5		12	5	5	6	3	4			7		
Selenium	mg/kg	258			<1	10	0	10	<1	<1		<1		<1	<1	<1	<1	<1	<1			<1		
Zinc	mg/kg	3900		27	14	10	10	0	18	27		20		26	21	24	26	14	16			16		
Asbestos																								
Asbestos in soil						10	0	10	NAD	NAD		NAD		NAD	NAD	NAD	NAD	NAD	NAD			NAD		
Petroleum Hydrocarbons																								
Ali >C5-C6	mg/kg	78			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01		
Ali >C6-C8	mg/kg	230			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01		
Ali >C8-C10	mg/kg	65			<1	10	0	10	<1	<1		<1		<1	<1	<1	<1	<1	<1			<1		
Ali >C10-C12	mg/kg	330	118		<1	10	0	10	<1	<1		<1		<1	<1	<1	<1	<1	<1			<1		
Ali >C12-C16	mg/kg	2400	59		<1	10	0	10	<1	<1		<1		<1	<1	<1	<1	<1	<1			<1		
Ali >C16-C21	mg/kg				<1	10	0	10	<1	<1		<1		<1	<1	<1	<1	<1	<1			<1		
Ali >C21-C35	mg/kg			5	2	10	10	0	2	2		2		4	5	4	4	5	2			4		
Ali >C16-C35 calculated	mg/kg	92000	21	5	2	10	10	0	2	2		2		4	5	4	4	5	2			4		
Total Aliphatics	mg/kg			5	2	10	10	0	2	2		2		4	5	4	4	5	2			4		
Aro >C5-C7	mg/kg				<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01		
Aro >C7-C8	mg/kg				<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01		
Aro >C8-C10	mg/kg	80			<1	10	0	10	<1	<1		<1		<1	<1	<1	<1	<1	<1			<1		
Aro >C10-C12	mg/kg	180			<1	10	0	10	<1	<1		<1		<1	<1	<1	<1	<1	<1			<1		
Aro >C12-C16	mg/kg	330			<1	10	0	10	<1	<1		<1		<1	<1	<1	<1	<1	<1			<1		
Aro >C16-C21	mg/kg	540		2	<1	10	6	4	<1	<1		<1		1	1	1	1	1	<1			2		
Aro >C21-C35	mg/kg	1500		9	<1	10	9	1	<1		1		2		5	4	2	4	2			9		
Total Aromatics	mg/kg			12	<1	10	9	1	<1		1		2		6	5	4	5	3			12		
TPH (Ali & Aro)	mg/kg			15	2	10	10	0	2	4		5		10	10	7	8	8	5			15		
BTEX - Benzene	mg/kg	0.41			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01		
BTEX - Toluene	mg/kg	300			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01		
BTEX - Ethyl Benzene	mg/kg	110			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01		
BTEX - o Xylene	mg/kg	143			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01		
BTEX - m & p Xylene	mg/kg	133			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01		
Fuel oxygenates																								
MTBE	mg/kg	110			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01		
Polycyclic aromatic hydrocarbons																								

Project name	Scamps Hill	
Project code	52744	
Client name	Gladman Developments Ltd	
Address		
NGR		
Land use	Residential with home-grown produce	
SOM	2.5%	
GAC version	2021_00	

							Lab sample ID :	
							Client sample ID	
							Depth to top	
							Depth to bottom	
							Date sampled	
Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-detects
Metals and Inorganics								
Arsenic	mg/kg	37		4	2	10	10	0
Cadmium	mg/kg	22			<0.5	10	0	10
Chromium	mg/kg	910	21	11	5	10	10	0
Copper	mg/kg	2500		25	6	10	10	0
Lead	mg/kg	200		87	18	10	10	0
Mercury	mg/kg	39	0.6	1.12	<0.17	10	1	9
Nickel	mg/kg	130		12	3	10	10	0
Selenium	mg/kg	258			<1	10	0	10
Zinc	mg/kg	3900		27	14	10	10	0
Asbestos								
Asbestos in soil						10	0	10
Petroleum Hydrocarbons								
Ali >C5-C6	mg/kg	78			<0.01	10	0	10
Ali >C6-C8	mg/kg	230			<0.01	10	0	10
Ali >C8-C10	mg/kg	65			<1	10	0	10
Ali >C10-C12	mg/kg	330	118		<1	10	0	10
Ali >C12-C16	mg/kg	2400	59		<1	10	0	10
Ali >C16-C21	mg/kg				<1	10	0	10
Ali >C21-C35	mg/kg			5	2	10	10	0
Ali >C16-C35 calculated	mg/kg	92000	21	5	2	10	10	0
Total Aliphatics	mg/kg			5	2	10	10	0
Aro >C5-C7	mg/kg				<0.01	10	0	10
Aro >C7-C8	mg/kg				<0.01	10	0	10
Aro >C8-C10	mg/kg	80			<1	10	0	10
Aro >C10-C12	mg/kg	180			<1	10	0	10
Aro >C12-C16	mg/kg	330			<1	10	0	10
Aro >C16-C21	mg/kg	540		2	<1	10	6	4
Aro >C21-C35	mg/kg	1500		9	<1	10	9	1
Total Aromatics	mg/kg			12	<1	10	9	1
TPH (Ali & Aro)	mg/kg			15	2	10	10	0
BTEX - Benzene	mg/kg	0.41			<0.01	10	0	10
BTEX - Toluene	mg/kg	300			<0.01	10	0	10
BTEX - Ethyl Benzene	mg/kg	110			<0.01	10	0	10
BTEX - o Xylene	mg/kg	143			<0.01	10	0	10
BTEX - m & p Xylene	mg/kg	133			<0.01	10	0	10
Fuel oxygenates								
MTBE	mg/kg	110			<0.01	10	0	10
Polycyclic aromatic hydrocarbons								

Lab sample ID									25/05518/1	25/05518/3	25/05518/4	25/05518/5	25/05518/6	25/05518/7	25/05518/9	25/05518/10	25/05518/11	25/05518/12	25/05518/14	25/05518/15	25/05518/16
Client sample ID									TP01	TP03	TP04	TP05	TP07	TP08	WS02	WS03	WS04	WS05	WS06	WS07	WS08
Depth to top									0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2
Depth to bottom									0.3	0.4	0.4	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4
Date sampled									20/05/25	20/05/25	20/05/25	20/05/25	20/05/25	20/05/25	20/05/25	22/05/25	22/05/25	22/05/25	22/05/25	22/05/25	22/05/25
Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-detects													
Acenaphthene	mg/kg	540			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01
Acenaphthylene	mg/kg	440			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01
Anthracene	mg/kg	5500		0.04	<0.02	10	1	9	<0.02	<0.02		<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	0.04		<0.02
Benzo(a)anthracene	mg/kg	11		0.1	<0.04	10	3	7	<0.04	<0.04		0.06		<0.04	<0.04	<0.04	<0.04	<0.04	0.1		0.09
Benzo(a)pyrene	mg/kg	5		0.11	<0.04	10	3	7	<0.04	<0.04		0.07		<0.04	<0.04	<0.04	<0.04	<0.04	0.08		0.11
Benzo(b)fluoranthene	mg/kg	3.3		0.14	<0.05	10	4	6	<0.05	<0.05		0.09		0.06	<0.05	<0.05	<0.05	<0.05	0.1		0.14
Benzo(ghi)perylene	mg/kg	340		0.06	<0.05	10	1	9	<0.05	<0.05		<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		0.06
Benzo(k)fluoranthene	mg/kg	92			<0.07	10	0	10	<0.07	<0.07		<0.07		<0.07	<0.07	<0.07	<0.07	<0.07	<0.07		<0.07
Chrysene	mg/kg	22		0.14	<0.06	10	3	7	<0.06	<0.06		0.08		<0.06	<0.06	<0.06	<0.06	<0.06	0.11		0.14
Dibenzo(ah)anthracene	mg/kg	0.28			<0.04	10	0	10	<0.04	<0.04		<0.04		<0.04	<0.04	<0.04	<0.04	<0.04	<0.04		<0.04
Fluoranthene	mg/kg	560		0.26	<0.08	10	4	6	<0.08	<0.08		0.15		0.1	<0.08	<0.08	<0.08	<0.08	0.25		0.26
Fluorene	mg/kg	410			<0.01	10	0	10	<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01
Indeno(123-cd)pyrene	mg/kg	36		0.07	<0.03	10	3	7	<0.03	<0.03		0.05		<0.03	<0.03	<0.03	<0.03	<0.03	0.04		0.07
Naphthalene	mg/kg	30			<0.03	10	0	10	<0.03	<0.03		<0.03		<0.03	<0.03	<0.03	<0.03	<0.03	<0.03		<0.03
Phenanthrene	mg/kg	220		0.13	<0.03	10	3	7	<0.03	<0.03		0.05		<0.03	<0.03	<0.03	<0.03	<0.03	0.13		0.08
Pyrene	mg/kg	1240		0.22	<0.07	10	4	6	<0.07	<0.07		0.14		0.09	<0.07	<0.07	<0.07	<0.07	0.2		0.22
Total PAH-16MS	mg/kg			1.17	<0.08	10	4	6	<0.08	<0.08		0.69		0.25	<0.08	<0.08	<0.08	<0.08	1.05		1.17
Other analytes																					
% Stones >10mm	% w/w				<0.1	13	0	13	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						
alpha-Hexachlorocyclohexane (HCH)	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						
Atrazine	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						
Azinphos-ethyl	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						
Azinphos-methyl	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						
beta-Hexachlorocyclohexane (HCH)	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						
Carbophenothion	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						
Chlorfenvinphos	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						
Chlorothalonil	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						
Chlorpyrifos	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						
Chlorpyrifos-methyl	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						
cis-Chlordane (Alpha)	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						
Coumaphos	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						
delta-Hexachlorocyclohexane (HCH)	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						
Demeton-O	mg/kg				<0.50	3	0	3			<0.50		<0.50		<0.50						
Demeton-S	mg/kg				<0.50	3	0	3			<0.50		<0.50		<0.50						
Diazinon (Dimpylate)	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						
Dichlobenil	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						
Dichlorvos	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						
Dieldrin	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						
Dimethoate	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						
Disulfoton	mg/kg				<0.10	3	0	3			<0.10		<0.10		<0.10						
Endosulphan I (Alpha)	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						
Endosulphan II (Beta)	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						
Endosulphan Sulphate	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						
Endrin	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						
Endrin Aldehyde	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						
Endrin Ketone	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						
Ethion	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						
Fenitrothion	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						
Fensulphothion	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						
Fenthion	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01						

							Lab sample ID	
							Client sample ID	
							Depth to top	
							Depth to bottom	
							Date sampled	
Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-detects
Acenaphthene	mg/kg	540			<0.01	10	0	10
Acenaphthylene	mg/kg	440			<0.01	10	0	10
Anthracene	mg/kg	5500		0.04	<0.02	10	1	9
Benzo(a)anthracene	mg/kg	11		0.1	<0.04	10	3	7
Benzo(a)pyrene	mg/kg	5		0.11	<0.04	10	3	7
Benzo(b)fluoranthene	mg/kg	3.3		0.14	<0.05	10	4	6
Benzo(ghi)perylene	mg/kg	340		0.06	<0.05	10	1	9
Benzo(k)fluoranthene	mg/kg	92			<0.07	10	0	10
Chrysene	mg/kg	22		0.14	<0.06	10	3	7
Dibenzo(ah)anthracene	mg/kg	0.28			<0.04	10	0	10
Fluoranthene	mg/kg	560		0.26	<0.08	10	4	6
Fluorene	mg/kg	410			<0.01	10	0	10
Indeno(123-cd)pyrene	mg/kg	36		0.07	<0.03	10	3	7
Naphthalene	mg/kg	30			<0.03	10	0	10
Phenanthrene	mg/kg	220		0.13	<0.03	10	3	7
Pyrene	mg/kg	1240		0.22	<0.07	10	4	6
Total PAH-16MS	mg/kg			1.17	<0.08	10	4	6
Other analytes								
% Stones >10mm	% w/w				<0.1	13	0	13
Aldrin	mg/kg				<0.01	3	0	3
alpha-Hexachlorocyclohexane (HCH)	mg/kg				<0.01	3	0	3
Atrazine	mg/kg				<0.01	3	0	3
Azinphos-ethyl	mg/kg				<0.01	3	0	3
Azinphos-methyl	mg/kg				<0.01	3	0	3
beta-Hexachlorocyclohexane (HCH)	mg/kg				<0.01	3	0	3
Carbophenothion	mg/kg				<0.01	3	0	3
Chlorfenvinphos	mg/kg				<0.01	3	0	3
Chlorothalonil	mg/kg				<0.01	3	0	3
Chlorpyrifos	mg/kg				<0.01	3	0	3
Chlorpyrifos-methyl	mg/kg				<0.01	3	0	3
cis-Chlordane (Alpha)	mg/kg				<0.01	3	0	3
Coumaphos	mg/kg				<0.01	3	0	3
delta-Hexachlorocyclohexane (HCH)	mg/kg				<0.01	3	0	3
Demeton-O	mg/kg				<0.50	3	0	3
Demeton-S	mg/kg				<0.50	3	0	3
Diazinon (Dimpylate)	mg/kg				<0.01	3	0	3
Dichlobenil	mg/kg				<0.01	3	0	3
Dichlorvos	mg/kg				<0.01	3	0	3
Dieldrin	mg/kg				<0.01	3	0	3
Dimethoate	mg/kg				<0.01	3	0	3
Disulfoton	mg/kg				<0.10	3	0	3
Endosulphan I (Alpha)	mg/kg				<0.01	3	0	3
Endosulphan II (Beta)	mg/kg				<0.01	3	0	3
Endosulphan Sulphate	mg/kg				<0.01	3	0	3
Endrin	mg/kg				<0.01	3	0	3
Endrin Aldehyde	mg/kg				<0.01	3	0	3
Endrin Ketone	mg/kg				<0.01	3	0	3
Ethion	mg/kg				<0.01	3	0	3
Fenitrothion	mg/kg				<0.01	3	0	3
Fensulphothion	mg/kg				<0.01	3	0	3
Fenthion	mg/kg				<0.01	3	0	3

									Lab sample ID	25/05518/1	25/05518/3	25/05518/4	25/05518/5	25/05518/6	25/05518/7	25/05518/9	25/05518/10	25/05518/11	25/05518/12	25/05518/14	25/05518/15	25/05518/16
									Client sample ID	TP01	TP03	TP04	TP05	TP07	TP08	WS02	WS03	WS04	WS05	WS06	WS07	WS08
									Depth to top	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2
									Depth to bottom	0.3	0.4	0.4	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4
									Date sampled	20/05/25	20/05/25	20/05/25	20/05/25	20/05/25	20/05/25	22/05/25	22/05/25	22/05/25	22/05/25	22/05/25	22/05/25	22/05/25
Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-detects														
gamma-Hexachlorocyclohexane (HCH)	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
Heptachlor	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
Heptachlor epoxide	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
Hexachlorobenzene (HCB)	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
Isodrin	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
Malathion	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
Methyl Parathion	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
Mevinphos	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
o,p-DDD (2,4)	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
o,p-DDE (2,4)	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
o,p-DDT (2,4)	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
o,p-Methoxychlor	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
p,p-DDD (4,4)	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
p,p-DDE (4,4)	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
p,p-DDT (4,4)	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
p,p-Methoxychlor	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
Parathion (ethyl)	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
Pendimethalin	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
Permethrin I (cis)	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
Permethrin II (trans)	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
pH	pH			8.48	5.51	11	11	0	6.19	6.12			5.75		5.56	5.51	5.54	6.42	5.51	5.53	8.48	5.78
Phorate	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
Phosalone	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
Pirimiphos-methyl	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
Propetamphos	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
Prothiofos (Tokuthion)	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
Quintozene (PCNB)	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
Simazine	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
Sulphate (acid soluble)	mg/kg			420	230	10	10	0	260	280			340		350	310	420	380	270	290		230
Sulphate (water sol 2:1)	g/l			0.02	<0.01	10	1	9	0.02	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	
Tecnazene	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
Telodrin	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
Total Organic Carbon	% w/w			2.15	0.97	11	11	0	0.97	1.25			1.34		1.5	1.47	2.04	1.68	1.39	1.23	2.15	1.07
Converted to SOM (x / 0.58)	% w/w			3.7069	1.67241	11	11	0	1.6724138	2.1551724			2.3103448		2.5862069	2.5344828	3.5172414	2.8965517	2.3965517	2.1206897	3.7068966	1.8448276
trans-Chlordane (Gamma)	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
Triadimefon	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
Triallate	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
Triazophos	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
Trichloronate	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							
Trifluralin	mg/kg				<0.01	3	0	3			<0.01		<0.01		<0.01							

Project code: 52744
Scamps Hill

Land use: Residential with home-grown produce
SOM: 2.5%

							Lab sample ID	
							Client sample ID	
							Depth to top	
							Depth to bottom	
							Date sampled	
Analyte	Unit	GAC	T1	Max	Min	Count	# Detects	# Non-detects
gamma-Hexachlorocyclohexane (HCH)	mg/kg				<0.01	3	0	3
Heptachlor	mg/kg				<0.01	3	0	3
Heptachlor epoxide	mg/kg				<0.01	3	0	3
Hexachlorobenzene (HCB)	mg/kg				<0.01	3	0	3
Isodrin	mg/kg				<0.01	3	0	3
Malathion	mg/kg				<0.01	3	0	3
Methyl Parathion	mg/kg				<0.01	3	0	3
Mevinphos	mg/kg				<0.01	3	0	3
o,p-DDD (2,4)	mg/kg				<0.01	3	0	3
o,p-DDE (2,4)	mg/kg				<0.01	3	0	3
o,p-DDT (2,4)	mg/kg				<0.01	3	0	3
o,p-Methoxychlor	mg/kg				<0.01	3	0	3
p,p-DDD (4,4)	mg/kg				<0.01	3	0	3
p,p-DDE (4,4)	mg/kg				<0.01	3	0	3
p,p-DDT (4,4)	mg/kg				<0.01	3	0	3
p,p-Methoxychlor	mg/kg				<0.01	3	0	3
Parathion (ethyl)	mg/kg				<0.01	3	0	3
Pendimethalin	mg/kg				<0.01	3	0	3
Permethrin I (cis)	mg/kg				<0.01	3	0	3
Permethrin II (trans)	mg/kg				<0.01	3	0	3
pH	pH			8.48	5.51	11	11	0
Phorate	mg/kg				<0.01	3	0	3
Phosalone	mg/kg				<0.01	3	0	3
Pirimiphos-methyl	mg/kg				<0.01	3	0	3
Propetamphos	mg/kg				<0.01	3	0	3
Prothiofos (Tokuthion)	mg/kg				<0.01	3	0	3
Quintozene (PCNB)	mg/kg				<0.01	3	0	3
Simazine	mg/kg				<0.01	3	0	3
Sulphate (acid soluble)	mg/kg			420	230	10	10	0
Sulphate (water sol 2:1)	g/l			0.02	<0.01	10	1	9
Tecnazene	mg/kg				<0.01	3	0	3
Telodrin	mg/kg				<0.01	3	0	3
Total Organic Carbon	% w/w			2.15	0.97	11	11	0
Converted to SOM (x / 0.58)	% w/w			3.7069	1.67241	11	11	0
trans-Chlordane (Gamma)	mg/kg				<0.01	3	0	3
Triadimefon	mg/kg				<0.01	3	0	3
Triallate	mg/kg				<0.01	3	0	3
Triazophos	mg/kg				<0.01	3	0	3
Trichloronate	mg/kg				<0.01	3	0	3
Trifluralin	mg/kg				<0.01	3	0	3

Appendix M

WM3 WASTE ASSESSMENT

Final Test Report

Envirolab Job Number: 25/05518
Issue Number: 1

Date: 6-Jun-25

Client: RSK Environment Ltd Tonbridge
Anerley Court, Half Moon Lane, Hildenborough
Tonbridge
Kent
TN11 9HU
CV35 7BD

Project Manager: Becky Drewett/Niki Dubber
Project Name: Scamps Hill, Lindfield, West Sussex
Project Ref: 52744
Order No: N/A

Date Samples Received: 22-May-25
Date Instructions Received: 28-May-25
Date Analysis Completed: 6-Jun-25

Notes - Soil analysis

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones >10mm are removed or excluded from the sample prior to analysis and reported results corrected to a whole sample basis.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis.

Notes - General

This report shall not be reproduced, except in full, without written approval from Envirolab.

Subscript "A" indicates analysis performed on the sample as received. "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve, unless asbestos is found to be present in which case all analysis is performed on the sample as received.

All analysis is performed on the dried and crushed sample for samples with Matrix Code 7 and this supercedes any "A" subscripts.

All analysis is performed on the sample as received for soil samples from outside the European Union and this supercedes any "D" subscripts

For complex, multi-compound analysis, quality control results do not always fall within chart limits for every compound and we have criteria for reporting in these situations.

If results are in italic font they are associated with such quality control failures and may be unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid

Predominant Matrix Codes: 1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample

Secondary Matrix Codes: A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

IS indicates Insufficient sample for analysis, NDP indicates No Determination Possible and NAD indicates No Asbestos Detected.

Analytical results reflect the quality of the sample at the time of analysis only. Opinions and interpretations expressed are outside the scope of our accreditation.

Please contact us if you need any further information.

HWOL TPH Code: EH_CU_1D_AL: Extractable hydrocarbons - i.e. everything extracted by the solvent(s), Clean-up - e.g. by florisil, silica gel, GC - Single coil gas chromatography, Aliphatics only

Approved by:



Richard Wong
Client Manager

Sample Details					Landfill Waste Acceptance Criteria Limits			
Lab Sample ID	Method	ISO17025	MCERTS	25/05518/15	Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill	
Client Sample Number								
Client Sample ID				WS07				
Depth to Top				0.2				
Depth to Bottom				0.40				
Date Sampled				22/05/2025				
Sample Type				Soil - ES				
Sample Matrix Code				4AE				
Solid Waste Analysis								
pH (pH Units) _D	A-T-031	N	N	8.48	-	>6	-	
ANC to pH 4 (mol/kg) _D	A-T-ANC	N	N	0.03	-	to be evaluated	to be evaluated	
ANC to pH 6 (mol/kg) _D	A-T-ANC	N	N	0.01	-	to be evaluated	to be evaluated	
Loss on Ignition (%) _D	A-T-030	N	N	3.9	-	-	10	
Total Organic Carbon (%) _D	A-T-032	N	N	2.15	3	5	6	
PAH Sum of 17 (mg/kg) _A	A-T-019	N	N	0.31	100	-	-	
Mineral Oil (mg/kg) _{A EH_CU_1D_AL}	A-T-007	N	N	<10	500	-	-	
Sum of 7 PCBs (mg/kg) _A	A-T-004	N	N	<0.007	1	-	-	
Sum of BTEX (mg/kg) _A	A-T-022	N	N	<0.01	6	-	-	
Eluate Analysis				10:1 mg/l	10:1 mg/kg	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Arsenic	A-T-025	N	N	<0.001	<0.01	0.5	2	25
Barium	A-T-025	N	N	0.004	0.040	20	100	300
Cadmium	A-T-025	N	N	<0.001	<0.01	0.04	1	5
Chromium	A-T-025	N	N	<0.001	<0.01	0.5	10	70
Copper	A-T-025	N	N	<0.004	<0.04	2	50	100
Mercury	A-T-025	N	N	<0.0005	<0.005	0.01	0.2	2
Molybdenum	A-T-025	N	N	<0.001	<0.01	0.5	10	30
Nickel	A-T-025	N	N	<0.002	<0.02	0.4	10	40
Lead	A-T-025	N	N	0.001	0.010	0.5	10	50
Antimony	A-T-025	N	N	<0.001	<0.01	0.06	0.7	5
Selenium	A-T-025	N	N	<0.001	<0.01	0.1	0.5	7
Zinc	A-T-025	N	N	0.006	0.060	4	50	200
Chloride	A-T-026	N	N	<1.00	<10	800	15000	25000
Fluoride	A-T-026	N	N	0.1	1.0	10	150	500
Sulphate as SO ₄	A-T-026	N	N	<1.00	<10	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N	<20	<200	4000	60000	100000
Phenol Index	A-T-050	N	N	0.01	0.10	1	-	-
Dissolved Organic Carbon	A-T-032	N	N	<2.0	<200	500	800	1000
Leach Test Information								
pH (pH Units)	A-T-031	N	N	6.6				
Conductivity (µS/cm)	A-T-037	N	N	11				
Mass Sample (kg)				0.208				
Dry Matter (%)	A-T-044	N	N	84				
Stated acceptance limits are for guidance only and Envirolab cannot be held responsible for any discrepancies with current legislation								



Haswaste, developed by Dr. Iain Haslock.
Maintained by RSK Waste & Resources

Assessment Undertaken by:	0	RSK Project Reference	0
Assessment Checked by:	0	Site Reference	0

Chemical Testing Laboratory and Report Ref(s):

0

Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Sample Reference
Depth (m)
Envirolab reference

TP01	TP03	TP04	TP05	TP07	TP08	WS02	WS03	WS04	WS05
0.10	0.20	0.20	0.10	0.20	0.20	0.20	0.10	0.10	0.10
25/05518/1	25/05518/3	25/05518/4	25/05518/5	25/05518/6	25/05518/7	25/05518/9	25/05518/10	25/05518/12	25/05518/13

% Moisture	%
pH (soil)	
pH (leachate)	
Arsenic	mg/kg
Cadmium	mg/kg
Copper	mg/kg
CrVI or Chromium	mg/kg
Lead	mg/kg
Mercury	mg/kg
Nickel	mg/kg
Selenium	mg/kg
Zinc	mg/kg
Barium	mg/kg
Beryllium	mg/kg
Vanadium	mg/kg
Cobalt	mg/kg
Manganese	mg/kg
Molybdenum	mg/kg
Antimony	mg/kg
Aluminium	mg/kg
Bismuth	mg/kg
CrIII	mg/kg
Iron	mg/kg
Strontium	mg/kg
Tellurium	mg/kg
Thallium	mg/kg
Titanium	mg/kg
Tungsten	mg/kg
Ammoniacal N	mg/kg
ws Boron	mg/kg

6.19	6.12		5.75		5.56	5.51	5.54	6.42	5.51
3.0	3.0		3.0		2.0	4.0	3.0	3.0	2.0
<0.5	<0.5		<0.5		<0.5	<0.5	<0.5	<0.5	<0.5
6.0	8.0		10.0		8.0	25.0	9.0	9.0	6.0
10.0	11.0		9.0		9.0	9.0	9.0	11.0	5.0
18.0	30.0		64.0		26.0	87.0	36.0	36.0	23.0
<0.17	<0.17		<0.17		<0.17	<0.17	<0.17	<0.17	1.12
5.0	7.0		5.0		12.0	5.0	5.0	6.0	3.0
<1	<1		<1		<1	<1	<1	<1	<1
18.0	27.0		20.0		26.0	21.0	24.0	26.0	14.0

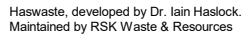
PAH (Input Total PAH OR individual PAH results)

Acenaphthene	mg/kg
Acenaphthylene	mg/kg
Anthracene	mg/kg
Benzo(a)anthracene	mg/kg
Benzo(a)pyrene	mg/kg
Benzo(b)fluoranthene	mg/kg
Benzo(ghi)perylene	mg/kg
Benzo(k)fluoranthene	mg/kg
Chrysene	mg/kg
Dibenzo(ah)anthracene	mg/kg
Fluoranthene	mg/kg
Fluorene	mg/kg
Indeno(123cd)pyrene	mg/kg
Naphthalene	mg/kg
Phenanthrene	mg/kg
Pyrene	mg/kg
Coronene	mg/kg
Total PAHs (16 or 17)	mg/kg

<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
<0.02	<0.02		<0.02		<0.02	<0.02	<0.02	<0.02	<0.02
<0.04	<0.04		0.06		<0.04	<0.04	<0.04	<0.04	<0.04
<0.04	<0.04		0.07		<0.04	<0.04	<0.04	<0.04	<0.04
<0.05	<0.05		0.09		0.06	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05		<0.05		<0.05	<0.05	<0.05	<0.05	<0.05
<0.07	<0.07		<0.07		<0.07	<0.07	<0.07	<0.07	<0.07
<0.06	<0.06		0.08		<0.06	<0.06	<0.06	<0.06	<0.06
<0.04	<0.04		<0.04		<0.04	<0.04	<0.04	<0.04	<0.04
<0.08	<0.08		0.15		0.10	<0.08	<0.08	<0.08	<0.08
<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
<0.03	<0.03		0.05		<0.03	<0.03	<0.03	<0.03	<0.03
<0.03	<0.03		<0.03		<0.03	<0.03	<0.03	<0.03	<0.03
<0.03	<0.03		0.05		<0.03	<0.03	<0.03	<0.03	<0.03
<0.07	<0.07		0.14		0.09	<0.07	<0.07	<0.07	<0.07
<0.08	<0.08		0.69		0.25	<0.08	<0.08	<0.08	<0.08

TPH	
Petrol	mg/kg
Diesel	mg/kg
Lube Oil	mg/kg
Crude Oil	
White Spirit / Kerosene	mg/kg
Creosote	mg/kg
Unknown TPH with ID	mg/kg
Unknown TPH with ID - (ID Source indicates a mixture of sources including petrol/diesel)	mg/kg
Unknown TPH without ID	mg/kg

2.0	4.0		5.0		10.0	10.0	7.0	8.0	8.0
-----	-----	--	-----	--	------	------	-----	-----	-----



Chemical Testing Laboratory and Report Ref(s):
0

TP01	TP03	TP04	TP05	TP07	TP08	WS02	WS03	WS04	WS05
0.10	0.20	0.20	0.10	0.20	0.20	0.20	0.10	0.10	0.10
25/05518/1	25/05518/3	25/05518/4	25/05518/5	25/05518/6	25/05518/7	25/05518/9	25/05518/10	25/05518/12	25/05518/13

[illegible]

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Assessment Undertaken by:	0	RSK Project Reference	0
Assessment Checked by:	0	Site Reference	0

Chemical Testing Laboratory and Report Ref(s):
0

Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

TP01	TP03	TP04	TP05	TP07	TP08	WS02	WS03	WS04	WS05
0.10	0.20	0.20	0.10	0.20	0.20	0.20	0.10	0.10	0.10
25/05518/1	25/05518/3	25/05518/4	25/05518/5	25/05518/6	25/05518/7	25/05518/9	25/05518/10	25/05518/12	25/05518/13

Some Pesticides (POPs unless otherwise stated)

Aldrin	mg/kg
α Hexachlorocyclohexane (alpha-HCH) (<i>leave empty if total HCH results used</i>)	mg/kg
β Hexachlorocyclohexane (beta-HCH) (<i>leave empty if total HCH results used</i>)	mg/kg
α Cis-Chlordane (alpha) OR Total Chlordane	mg/kg
δ Hexachlorocyclohexane (delta-HCH) (<i>leave empty if total HCH results used</i>)	mg/kg
Dieldrin	mg/kg
γ Hexachlorocyclohexane (gamma-HCH) (lindane) OR Total HCH	mg/kg
Heptachlor	mg/kg
Hexachlorobenzene	mg/kg
o,p,-DDT (<i>leave empty if total DDT results used</i>)	mg/kg
p,p'-DDT OR Total DDT	mg/kg
γ Trans-Chlordane (gamma) (<i>leave empty if total Chlordane results used</i>)	mg/kg
Chlordecone (kepone)	mg/kg
Pentachlorobenzene	mg/kg
Mirex	mg/kg
Toxaphene (campechlor)	mg/kg

[illegible]

Tin

Tin (leave empty if Organotin and Tin excl Organotin results used)	mg/kg
---	-------

[illegible]

Organotin

Dibutyltin; DiBT	mg/kg
Tributyltin; TriBT	mg/kg
Triphenyltin; TriPT	mg/kg
Tetrabutyltin; TeBT	mg/kg
Tin excluding Organotin	
Tin excl Organotin	mg/kg

[illegible]

Asbestos in Soil

Asbestos detected in Soil (enter Y or N)

N	N		N		N	N	N	N	N
---	---	--	---	--	---	---	---	---	---

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

Asbestos % Composition in Soil (Matrix Loose Fibres or Microscopic Identifiable Pieces only)

[illegible]

Carcinogenic HP7 % Asbestos in Soil
(fibres or micro pieces)

Please be advised, if the calculation cell is "0.00000" DOES NOT MEAN asbestos testing has been undertaken and the result is zero.

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

N	N		N		N	N	N	N	N
---	---	--	---	--	---	---	---	---	---

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.



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Assessment Undertaken by:	0	RSK Project Reference	0
Assessment Checked by:	0	Site Reference	0

Chemical Testing Laboratory and Report Ref(s):

0

Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Sample Reference

Depth (m)

Envirolab reference

TP01	TP03	TP04	TP05	TP07	TP08	WS02	WS03	WS04	WS05
0.10	0.20	0.20	0.10	0.20	0.20	0.20	0.10	0.10	0.10
25/05518/1	25/05518/3	25/05518/4	25/05518/5	25/05518/6	25/05518/7	25/05518/9	25/05518/10	25/05518/12	25/05518/13

Hazardous Property Waste Assessment Output

Hazardous Property Waste Assessment Output

Hazardous Property	Cut Off Value
Corrosive HP8	<1%
Irritant HP4	<1%
Irritant HP4	<1%
Specific Target Organ Toxicity HP5	
Specific Target Organ Toxicity HP5	
Specific Target Organ Toxicity HP5	
Specific Target Organ Toxicity HP5	
Specific Target Organ Toxicity HP5	
Aspiration Toxicity HP5	
Acute Toxicity HP6 (Oral)	<0.1%
Acute Toxicity HP6 (Oral)	<0.1%
Acute Toxicity HP6 (Oral)	<1%
Acute Toxicity HP6 (Dermal)	<0.1%
Acute Toxicity HP6 (Dermal)	<0.1%
Acute Toxicity HP6 (Dermal)	<0.1%
Acute Toxicity HP6 (Inhal)	<0.1%
Acute Toxicity HP6 (Inhal)	<0.1%
Acute Toxicity HP6 (Inhal)	<1%
Carcinogenic HP7	
Carcinogenic HP7	
Carcinogenic HP7	
Carcinogenic HP7 Unknown TPH with ID	
Carcinogenic HP7 b(a)p marker test (Unknown TPH with ID only) Cell only applicable if TPH >1,000mg/kg	
pH Corrosive HP8 pH (soil or leachate)	
pH Corrosive HP8 pH (soil or leachate)	
Toxic for Reproduction HP10	
Toxic for Reproduction HP10	
Mutagenic HP11	
Mutagenic HP11 Unknown TPH with ID	
Mutagenic HP11 b(a)p marker test (Unknown TPH with ID only) Cell only applicable if TPH >1,000mg/kg	
Mutagenic HP11	
Produces Toxic Gases HP12 Sulphide	
Produces Toxic Gases HP12 Cyanide	
Produces Toxic Gases HP12 Thiocyanate	
HP13 Sensitising	

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

0.00232	0.00251	0.00000	0.00212	0.00000	0.00199	0.00226	0.00212	0.00251	0.001224
0.00068	0.00090	0.00000	0.00113	0.00000	0.00090	0.00283	0.00102	0.00102	0.000678
#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0
0.00000	0.00000	0.00000	0.00007	0.00000	0.00003	0.00000	0.00000	0.00000	0.00000
0.00000	0.00000	0.00000	0.00007	0.00000	0.00003	0.00000	0.00000	0.00000	0.00000
0.00192	0.00211	0.00000	0.00173	0.00000	0.00242	0.00173	0.00173	0.00211	0.00098
#VALUE!	#VALUE!	0.00000	#VALUE!	0.00000	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
0.00020	0.00040	0.00000	0.00050	0.00000	0.00100	0.00100	0.00070	0.00080	0.00080
#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.00038
#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
0.00000	0.00000	#VALUE!	0.00000	#VALUE!	0.00000	#VALUE!	0.00000	0.00000	0.00000
0.00192	0.00211	#VALUE!	0.00173	#VALUE!	0.00173	#VALUE!	0.00173	0.00211	0.00096
#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
#VALUE!	#VALUE!	0.00000	#VALUE!	0.00000	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
#VALUE!	#VALUE!	0.00000	#VALUE!	0.00000	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.00107
#VALUE!	#VALUE!	0.00000	#VALUE!	0.00000	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
0.00192	0.00300	0.00000	0.00640	0.00000	0.00260	0.00870	0.00360	0.00360	0.00230
0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.00000
0.00000	0.00000	0.00000	0.00007	0.00000	0.00003	0.00000	0.00000	0.00000	0.00000
2.00	4.00	0.00	5.00	0.00	10.00	10.00	7.00	8.00	8.00
0.00000	0.00000	#DIV/0!	1.40000	#DIV/0!	0.00000	0.00000	0.00000	0.00000	0
6.19	6.12	0.00	5.75	0.00	5.56	5.51	5.54	6.42	5.51
6.19	6.12	0.00	5.75	0.00	5.56	5.51	5.54	6.42	5.51
0.00180	0.00300	0.00000	0.00640	0.00000	0.00260	0.00870	0.00360	0.00360	0.00230
0.00192	0.00211	0.00000	0.00173	0.00000	0.00173	0.00173	0.00173	0.00211	0.00096
0.00192	0.00211	0.00000	0.00173	0.00000	0.00173	0.00173	0.00173	0.00211	0.00096
2.00	4.00	0.00	5.00	0.00	10.00	10.00	7.00	8.00	8.00
0.00000	0.00000	#DIV/0!	1.40000	#DIV/0!	0.00000	0.00000	0.00000	0.00000	0.00
0.00101	0.00141	0.00000	0.00101	0.00000	0.00242	0.00101	0.00101	0.00121	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00192	0.00211	0.00000	0.00173	0.00000	0.00242	0.00173	0.00173	0.00211	0.00096



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Maintained by RSK Waste & Resources

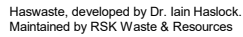
Assessment Undertaken by:	0	RSK Project Reference	0
Assessment Checked by:	0	Site Reference	0

Chemical Testing Laboratory and Report Ref(s):
0

Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Sample Reference										
Depth (m)										
Envirolab reference										
Ecotoxic HP14 amended v6	<0.1%	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Ecotoxic HP14 amended v6	<0.1% / 1.0%	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Ecotoxic HP14 amended v6	<0.1% / 1.0%	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Persistent Organic Pollutant (PCB, PBB, PFOS, & POP Pesticides)		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total sum of PDBEs)		0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Persistent Organic Pollutant (Total Dioxins+Furans)		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)		0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please contact RSK Waste and Resources



Chemical Testing Laboratory and Report Ref(s):
0

Sample Reference
Depth (m)
Envirolab reference

[illegible]

mg/kg
mg/kg
mg/kg
mg/kg
mg/kg
mg/kg
mg/kg
mg/kg
mg/kg

4.0		2.0							
<0.5		<0.5							
8.0		6.0							
9.0		7.0							
23.0		25.0							
<0.17		<0.17							
4.0		7.0							
<1		<1							
16.0		16.0							

[illegible][illegible][illegible]

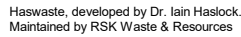
<0.01		<0.01							
<0.01		<0.01							
0.04		<0.02							
0.10		0.09							
0.08		0.11							
0.10		0.14							
<0.05		0.06							
<0.07		<0.07							
0.11		0.14							
<0.04		<0.04							
0.25		0.26							
<0.01		<0.01							
0.04		0.07							
<0.03		<0.03							
0.13		0.08							
0.20		0.22							
1.05		1.17							

mg/kg
mg/kg
mg/kg

[illegible]mg/kg
mg/kg[illegible]

mg/kg

[illegible]



Chemical Testing Laboratory and Report Ref(s):
0

WS06	WS07	WS08							
0.10	0.20	0.20							
25/05518/14	25/05518/15	25/05518/16							

[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]



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Assessment Undertaken by:	0	RSK Project Reference	0
Assessment Checked by:	0	Site Reference	0

Chemical Testing Laboratory and Report Ref(s):

0

Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

WS06	WS07	WS08							
0.10	0.20	0.20							
25/05/18/14	25/05/18/15	25/05/18/16							

Sample Reference

Depth (m)

Envirolab reference

Some Pesticides (POPs unless otherwise stated)

Aldrin	mg/kg
α Hexachlorocyclohexane (alpha-HCH) (leave empty if total HCH results used)	mg/kg
β Hexachlorocyclohexane (beta-HCH) (leave empty if total HCH results used)	mg/kg
α Cis-Chlordane (alpha) OR Total Chlordane	mg/kg
δ Hexachlorocyclohexane (delta-HCH) (leave empty if total HCH results used)	mg/kg
Dieldrin	mg/kg
Endrin	mg/kg
γ Hexachlorocyclohexane (gamma-HCH) (lindane) OR Total HCH	mg/kg
Heptachlor	mg/kg
Hexachlorobenzene	mg/kg
o,p'-DDT (leave empty if total DDT results used)	mg/kg
p,p'-DDT OR Total DDT	mg/kg
γ Trans-Chlordane (gamma) (leave empty if total Chlordane results used)	mg/kg
Chlordecone (kepone)	mg/kg
Pentachlorobenzene	mg/kg
Mirex	mg/kg
Toxaphene (campechlor)	mg/kg

Tin

Tin (leave empty if Organotin and Tin excl Organotin results used)

mg/kg

--	--	--	--	--	--	--	--	--	--

Organotin

Dibutyltin; DiBT

mg/kg

Tributyltin; TriBT

mg/kg

Triphenyltin; TriPT

mg/kg

Tetrabutyltin; TeBT

mg/kg

Tin excluding Organotin

Tin excl Organotin

mg/kg

Asbestos in Soil

Asbestos detected in Soil (enter Y or N)

N

N

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

Asbestos % Composition in Soil (Matrix Loose Fibres or Microscopic Identifiable Pieces only)

%

Carcinogenic HP7 % Asbestos in Soil (fibres or micro pieces)

Please be advised, if the calculation cell is "0.00000" DOES NOT MEAN asbestos testing has been undertaken and the result is zero.

0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)

N

N

--	--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.



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Assessment Undertaken by:	0	RSK Project Reference	0
Assessment Checked by:	0	Site Reference	0

Chemical Testing Laboratory and Report Ref(s):

0

Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Sample Reference

Depth (m)

Envirolab reference

WS06	WS07	WS08							
0.10	0.20	0.20							
25/05518/14	25/05518/15	25/05518/16							

Hazardous Property Waste Assessment Output

Hazardous Property Waste Assessment Output

Hazardous Property	Cut Off Value
Corrosive HP8	<1%
Irritant HP4	<1%
Irritant HP4	<1%
Specific Target Organ Toxicity HP5	
Specific Target Organ Toxicity HP5	
Specific Target Organ Toxicity HP5	
Specific Target Organ Toxicity HP5	
Specific Target Organ Toxicity HP5	
Aspiration Toxicity HP5	
Acute Toxicity HP6 (Oral)	<0.1%
Acute Toxicity HP6 (Oral)	<0.1%
Acute Toxicity HP6 (Oral)	<0.1%
Acute Toxicity HP6 (Dermal)	<0.1%
Acute Toxicity HP6 (Dermal)	<0.1%
Acute Toxicity HP6 (Dermal)	<0.1%
Acute Toxicity HP6 (Dermal)	<0.1%
Acute Toxicity HP6 (Dermal)	<0.1%
Acute Toxicity HP6 (Inhal)	<0.1%
Acute Toxicity HP6 (Inhal)	<0.1%
Acute Toxicity HP6 (Inhal)	<0.1%
Acute Toxicity HP6 (Inhal)	<1%
Carcinogenic HP7	
Carcinogenic HP7	
Carcinogenic HP7	
Carcinogenic HP7 Unknown TPH with ID	
Carcinogenic HP7 b(a)p marker test (Unknown TPH with ID only) Cell only applicable if TPH >1,000mg/kg	
pH Corrosive HP8 pH (soil or leachate)	
pH Corrosive HP8 pH (soil or leachate)	
Toxic for Reproduction HP10	
Toxic for Reproduction HP10	
Mutagenic HP11	
Mutagenic HP11 Unknown TPH with ID	
Mutagenic HP11 b(a)p marker test (Unknown TPH with ID only) Cell only applicable if TPH >1,000mg/kg	
Mutagenic HP11	
Produces Toxic Gases HP12 Sulphide	
Produces Toxic Gases HP12 Cyanide	
Produces Toxic Gases HP12 Thiocyanate	
HP13 Sensitising	

If cells below turn yellow and the text turns red, the samples should be classified as Hazardous Waste.

0.002256	0	0.001608	0	0	0	0	0	0	0
0.000904	0	0.000678	0	0	0	0	0	0	0
#VALUE!	0	#VALUE!	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0.00011	0.00000	0.00012	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00011	0.00000	0.00012	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00173	0.00000	0.00141	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
#VALUE!	0.00000	#VALUE!	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00050	0.00000	0.00150	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
#VALUE!	0.00000	#VALUE!	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
#VALUE!	0.00000	#VALUE!	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
#VALUE!	0.00000	#VALUE!	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
#VALUE!	0.00000	#VALUE!	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
#VALUE!	0.00000	#VALUE!	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00173	0.00000	0.00134	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
#VALUE!	0.00000	#VALUE!	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
#VALUE!	0.00000	#VALUE!	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
#VALUE!	0.00000	#VALUE!	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
#VALUE!	0.00000	#VALUE!	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
#VALUE!	0.00000	#VALUE!	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00230	0.00000	0.00250	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00011	0.00000	0.00012	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
5.00	0.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.6	#DIV/0!	0.733333333	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5.53	8.48	5.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.53	8.48	5.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00230	0.00000	0.00250	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00173	0.00000	0.00150	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.00173	0.00000	0.00134	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
5.00	0.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.60	#DIV/0!	0.73	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00173	0.00000	0.00141	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000



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Maintained by RSK Waste & Resources

Assessment Undertaken by:	0	RSK Project Reference	0
Assessment Checked by:	0	Site Reference	0

Chemical Testing Laboratory and Report Ref(s):
0

Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Sample Reference
Depth (m)
Envirolab reference

WS06 0.10 25/05518/14	WS07 0.20 25/05518/15	WS08 0.20 25/05518/16							

Ecotoxic HP14 amended v6	<0.1%
Ecotoxic HP14 amended v6	<0.1% / 1.0%
Ecotoxic HP14 amended v6	<0.1% / 1.0%

#VALUE!	0.00000	#VALUE!	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
#VALUE!	0.000	#VALUE!	0.000	0.000	0.000	0.000	0.000	0.000	0.000
#VALUE!	0.000	#VALUE!	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000

Persistent Organic Pollutant (PCB, PBB, PFOS, & POP Pesticides)
Persistent Organic Pollutant (Total sum of PDBEs)
Persistent Organic Pollutant (Total Dioxins+Furans)
Persistent Organic Pollutant (Individual Dioxins+Furans)

If other contaminants need adding to Haswaste, please contact RSK

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Assessment Undertaken by:	0	RSK Project Reference	0
Assessment Checked by:	0	Site Reference	0

Chemical Testing Laboratory and Report Ref(s):
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[illegible]

Sample Reference
Depth (m)
Envirolab reference

% Moisture	%
pH (soil)	
pH (leachate)	
Arsenic	mg/kg
Cadmium	mg/kg
Copper	mg/kg
CrVI or Chromium	mg/kg
Lead	mg/kg
Mercury	mg/kg
Nickel	mg/kg
Selenium	mg/kg
Zinc	mg/kg
Barium	mg/kg
Beryllium	mg/kg
Vanadium	mg/kg
Cobalt	mg/kg
Manganese	mg/kg
Molybdenum	mg/kg
Antimony	mg/kg
Aluminium	mg/kg
Bismuth	mg/kg
CrIII	mg/kg
Iron	mg/kg
Strontium	mg/kg
Tellurium	mg/kg
Thallium	mg/kg
Titanium	mg/kg
Tungsten	mg/kg
Ammoniacal N	
ws Boron	mg/kg

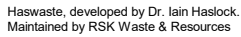
[illegible]

PAH (Input Total PAH OR individual PAH results)	
Acenaphthene	mg/kg
Acenaphthylene	mg/kg
Anthracene	mg/kg
Benzo(a)anthracene	mg/kg
Benzo(a)pyrene	mg/kg
Benzo(b)fluoranthene	mg/kg
Benzo(ghi)perylene	mg/kg
Benzo(k)fluoranthene	mg/kg
Chrysene	mg/kg
Dibenzo(ah)anthracene	mg/kg
Fluoranthene	mg/kg
Fluorene	mg/kg
Indeno(123cd)pyrene	mg/kg
Naphthalene	mg/kg
Phenanthrene	mg/kg
Pyrene	mg/kg
Coronene	mg/kg
Total PAHs (16 or 17)	mg/kg

[illegible]

TPH	
Petrol	mg/kg
Diesel	mg/kg
Lube Oil	mg/kg
Crude Oil	
White Spirit / Kerosene	mg/kg
Creosote	mg/kg
Unknown TPH with ID	
Unknown TPH with ID - (ID Source indicates a mixture of sources including petrol/diesel)	mg/kg
Unknown TPH without ID	

[illegible]



Chemical Testing Laboratory and Report Ref(s):
0

[illegible][illegible]

Total Sulphide	mg/kg
Complex Cyanide	mg/kg
Free (or Total) Cyanide	mg/kg
Thiocyanate	mg/kg
Elemental/Free Sulphur	mg/kg

[illegible]

Benzene	mg/kg
Toluene	mg/kg
Ethylbenzene	mg/kg
Xylenes	mg/kg
Total BTEX	mg/kg

[illegible][illegible][illegible][illegible]

2,3,7,8-TeCDD	mg/kg
1,2,3,7,8-PeCDD	mg/kg
1,2,3,4,7,8-HxCDD	mg/kg
1,2,3,6,7,8-HxCDD	mg/kg
1,2,3,7,8,9-HxCDD	mg/kg
1,2,3,4,6,7,8-HpCDD	mg/kg
OCDD	mg/kg
2,3,7,8-TeCDF	mg/kg
1,2,3,7,8-PeCDF	mg/kg
2,3,4,7,8-PeCDF	mg/kg
1,2,3,6,7,8-HxCDF	mg/kg
1,2,3,4,7,8-HxCDF	mg/kg
2,3,4,6,7,8-HxCDF	mg/kg
1,2,3,7,8,9-HxCDF	mg/kg
1,2,3,4,6,7,8-HpCDF	mg/kg
1,2,3,4,7,8,9-HpCDF	mg/kg
OCDF	mg/kg
Total Dioxins and Furans	mg/kg

[illegible]

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Assessment Undertaken by:	0	RSK Project Reference	0
Assessment Checked by:	0	Site Reference	0

Chemical Testing Laboratory and Report Ref(s):
0

Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

[illegible]

Sample Reference
Depth (m)
Envirolab reference

Some Pesticides (POPs unless otherwise stated)

Aldrin	mg/kg
α Hexachlorocyclohexane (alpha-HCH) (<i>leave empty if total HCH results used</i>)	mg/kg
β Hexachlorocyclohexane (beta-HCH) (<i>leave empty if total HCH results used</i>)	mg/kg
γ Cis-Chlordane (alpha) OR Total Chlordane	mg/kg
δ Hexachlorocyclohexane (delta-HCH) (<i>leave empty if total HCH results used</i>)	mg/kg
Dieldrin	mg/kg
Endrin	mg/kg
χ Hexachlorocyclohexane (gamma-HCH) (lindane) OR Total HCH	mg/kg
Heptachlor	mg/kg
Hexachlorobenzene	mg/kg
o,p'-DDT (<i>leave empty if total DDT results used</i>)	mg/kg
p,p'-DDT OR Total DDT	mg/kg
χ Trans-Chlordane (gamma) (<i>leave empty if total Chlordane results used</i>)	mg/kg
Chlordecone (kepone)	mg/kg
Pentachlorobenzene	mg/kg
Mirex	mg/kg
Toxaphene (campechlor)	mg/kg

[illegible]

Tin	
Tin (leave empty if Organotin and Tin excl Organotin results used)	mg/kg

[illegible]

Organotin	
Dibutyltin; DiBT	mg/kg
Tributyltin; TriBT	mg/kg
Triphenyltin; TriPT	mg/kg
Tetrabutyltin; TeBT	mg/kg

[illegible]

Tin excl Organotin	mg/kg
--------------------	-------

[illegible]

Asbestos in Soil
Asbestos detected in Soil (enter Y or N)

[illegible]

Asbestos % Composition in Soil (Matrix Loose Fibres or Microscopic Identifiable Pieces only)	%
Carcinogenic HP7 % Asbestos in Soil (fibres or micro pieces)	
<i>Please be advised, if the calculation cell is "0.00000" DOES NOT MEAN asbestos testing has been undertaken and the result is zero.</i>	

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)

[illegible]

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

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Assessment Undertaken by:	0	RSK Project Reference	0
Assessment Checked by:	0	Site Reference	0

Chemical Testing Laboratory and Report Ref(s):
0

Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Sample Reference
Depth (m)
Envirolab reference

[illegible]

Hazardous Property Waste Assessment Output

Hazardous Property	Cut Off Value
Corrosive HP8	<1%
Irritant HP4	<1%
Irritant HP4	<1%
Specific Target Organ Toxicity HP5	
Specific Target Organ Toxicity HP5	
Specific Target Organ Toxicity HP5	
Specific Target Organ Toxicity HP5	
Specific Target Organ Toxicity HP5	
Aspiration Toxicity HP5	
Acute Toxicity HP6 (Oral)	<0.1%
Acute Toxicity HP6 (Oral)	<0.1%
Acute Toxicity HP6 (Oral)	<1%
Acute Toxicity HP6 (Dermal)	<1%
Acute Toxicity HP6 (Dermal)	<1%
Acute Toxicity HP6 (Dermal)	<1%
Acute Toxicity HP6 (Inhal)	<1%
Acute Toxicity HP6 (Inhal)	<1%
Acute Toxicity HP6 (Inhal)	<1%
Acute Toxicity HP6 (Inhal)	<1%
Acute Toxicity HP6 (Inhal)	<1%
Carcinogenic HP7	
Carcinogenic HP7	
Carcinogenic HP7	
Carcinogenic HP7 Unknown TPH with ID	
Carcinogenic HP7 b(a)p marker test (Unknown TPH with ID only) Cell only applicable if TPH >1,000mg/kg	
pH Corrosive HP8 pH (soil or leachate)	
pH Corrosive HP8 pH (soil or leachate)	
Toxic for Reproduction HP10	
Toxic for Reproduction HP10	
Mutagenic HP11	
Mutagenic HP11 Unknown TPH with ID	
Mutagenic HP11 b(a)p marker test (Unknown TPH with ID only) Cell only applicable if TPH >1,000mg/kg	
Mutagenic HP11	
Produces Toxic Gases HP12 Sulphide	
Produces Toxic Gases HP12 Cyanide	
Produces Toxic Gases HP12 Thiocyanate	
HP13 Sensitising	

Hazardous Property Waste Assessment Output

[illegible]



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Assessment Undertaken by:	0	RSK Project Reference	0
Assessment Checked by:	0	Site Reference	0

Chemical Testing Laboratory and Report Ref(s):
0

Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Sample Reference
Depth (m)
Envirolab reference

Ecotoxic HP14 amended v6	<0.1%
Ecotoxic HP14 amended v6	<0.1% / 1.0%
Ecotoxic HP14 amended v6	<0.1% / 1.0%

0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Persistent Organic Pollutant (PCB, PBB, PFOS, & POP Pesticides)
Persistent Organic Pollutant (Total sum of PDBEs)
Persistent Organic Pollutant (Total Dioxins+Furans)
Persistent Organic Pollutant (Individual Dioxins+Furans)

0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000

If other contaminants need adding to Haswaste, please contact RSK

Haswaste, developed by Dr. Iain Haslock.
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Assessment Undertaken by:	0	RSK Project Reference	0
Assessment Checked by:	0	Site Reference	0

Chemical Testing Laboratory and Report Ref(s):
0

Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

[illegible]

Sample Reference
Depth (m)
Envirolab reference

% Moisture	%
pH (soil)	
pH (leachate)	
Arsenic	mg/kg
Cadmium	mg/kg
Copper	mg/kg
CrVI or Chromium	mg/kg
Lead	mg/kg
Mercury	mg/kg
Nickel	mg/kg
Selenium	mg/kg
Zinc	mg/kg
Barium	mg/kg
Beryllium	mg/kg
Vanadium	mg/kg
Cobalt	mg/kg
Manganese	mg/kg
Molybdenum	mg/kg
Antimony	mg/kg
Aluminium	mg/kg
Bismuth	mg/kg
CrIII	mg/kg
Iron	mg/kg
Strontium	mg/kg
Tellurium	mg/kg
Thallium	mg/kg
Titanium	mg/kg
Tungsten	mg/kg
Ammoniacal N	
ws Boron	mg/kg

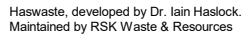
[illegible]

PAH (Input Total PAH OR individual PAH results)	
Acenaphthene	mg/kg
Acenaphthylene	mg/kg
Anthracene	mg/kg
Benzo(a)anthracene	mg/kg
Benzo(a)pyrene	mg/kg
Benzo(b)fluoranthene	mg/kg
Benzo(ghi)perylene	mg/kg
Benzo(k)fluoranthene	mg/kg
Chrysene	mg/kg
Dibenzo(ah)anthracene	mg/kg
Fluoranthene	mg/kg
Fluorene	mg/kg
Indeno(123cd)pyrene	mg/kg
Naphthalene	mg/kg
Phenanthrene	mg/kg
Pyrene	mg/kg
Coronene	mg/kg
Total PAHs (16 or 17)	mg/kg

[illegible]

TPH	
Petrol	mg/kg
Diesel	mg/kg
Lube Oil	mg/kg
Crude Oil	
White Spirit / Kerosene	mg/kg
Creosote	mg/kg
Unknown TPH with ID	
Unknown TPH with ID - (ID Source indicates a mixture of sources including petrol/diesel)	mg/kg
Unknown TPH without ID	

[illegible]



Chemical Testing Laboratory and Report Ref(s):
0

[illegible][illegible]

Total Sulphide	mg/kg
Complex Cyanide	mg/kg
Free (or Total) Cyanide	mg/kg
Thiocyanate	mg/kg
Elemental/Free Sulphur	mg/kg

Phenol	mg/kg
Cresols	mg/kg
Xylenols	mg/kg
Resourcinol	mg/kg
Phenols Total by HPLC	mg/kg

Benzene	mg/kg
Toluene	mg/kg
Ethylbenzene	mg/kg
Xylenes	mg/kg
Total BTEX	mg/kg

PCBs Total (eg EC7/WHO12)	mg/kg
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Hexabromobiphenyl (Total or PBB153; 2,2',4,4',5,5'- if only available)	mg/kg

PFOS and PFOS derivatives	mg/kg
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PBDEs (sum of concentrations):

2,3,7,8-TeCDD	mg/kg
1,2,3,7,8-PeCDD	mg/kg
1,2,3,4,7,8-HxCDD	mg/kg
1,2,3,6,7,8-HxCDD	mg/kg
1,2,3,7,8,9-HxCDD	mg/kg
1,2,3,4,6,7,8-HpCDD	mg/kg
OCDD	mg/kg
2,3,7,8-TeCDF	mg/kg
1,2,3,7,8-PeCDF	mg/kg
2,3,4,7,8-PeCDF	mg/kg
1,2,3,4,7,8-HxCDF	mg/kg
1,2,3,6,7,8-HxCDF	mg/kg
2,3,4,6,7,8-HxCDF	mg/kg
1,2,3,7,8,9-HxCDF	mg/kg
1,2,3,4,6,7,8-HpCDF	mg/kg
1,2,3,4,7,8,9-HpCDF	mg/kg
OCDF	mg/kg
Total Dioxins and Furans	mg/kg

[illegible]

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Assessment Undertaken by:	0	RSK Project Reference	0
Assessment Checked by:	0	Site Reference	0

Chemical Testing Laboratory and Report Ref(s):
0

Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

[illegible]

Sample Reference
Depth (m)
Envirolab reference

Some Pesticides (POPs unless otherwise stated)

Aldrin
 α Hexachlorocyclohexane (alpha-HCH)
(leave empty if total HCH results used)
 β Hexachlorocyclohexane (beta-HCH)
(leave empty if total HCH results used)
 α Cis-Chlordane (alpha) **OR Total**
Chlordane
 γ Hexachlorocyclohexane (delta-HCH)
(leave empty if total HCH results used)
 Dieldrin
 Endrin
 γ Hexachlorocyclohexane (gamma-HCH)
 (lindane) **OR Total HCH**
 Heptachlor
 Hexachlorobenzene
 o,p'-DDT *(leave empty if total DDT results used)*
 p,p'-DDT **OR Total DDT**
 γ Trans-Chlordane (gamma) *(leave empty if total Chlordane results used)*
 Chlordecone (kepone)
 Pentachlorobenzene
 Mirex
 Toxaphene (campechlor)

[illegible]

Tin

Tin (leave empty if Organotin and Tin excl
Organotin results used)

[illegible]

Organotin
Dibutyltin; DiBT
Tributyltin; TriBT
Triphenyltin; TriPT
Tetrabutyltin; TeBT

[illegible]

Tin excluding Organotin
Tin excl Organotin

[illegible]

Asbestos in Soil

Asbestos detected in Soil (enter Y or N)

[illegible]

Asbestos % Composition in Soil (Matrix Loose Fibres or Microscopic Identifiable Pieces only)

[illegible]

Carcinogenic HP7 % Asbestos in Soil
(fibres or micro pieces)

*Please be advised, if the calculation cell is
"0.00000" DOES NOT MEAN asbestos
testing has been undertaken and the result
is zero.*

[illegible]

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)

[illegible]

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

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Assessment Undertaken by:	0	RSK Project Reference	0
Assessment Checked by:	0	Site Reference	0

Chemical Testing Laboratory and Report Ref(s):
0

Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Sample Reference
Depth (m)
Envirolab reference

[illegible]

Hazardous Property Waste Assessment Output

Hazardous Property Waste Assessment Output

Hazardous Property	Cut Off Value
Corrosive HP8	<1%
Irritant HP4	<1%
Irritant HP4	<1%
Specific Target Organ Toxicity HP5	
Specific Target Organ Toxicity HP5	
Specific Target Organ Toxicity HP5	
Specific Target Organ Toxicity HP5	
Specific Target Organ Toxicity HP5	
Aspiration Toxicity HP5	
Acute Toxicity HP6 (Oral)	<0.1%
Acute Toxicity HP6 (Oral)	<0.1%
Acute Toxicity HP6 (Oral)	<1%
Acute Toxicity HP6 (Dermal)	<1%
Acute Toxicity HP6 (Dermal)	<1%
Acute Toxicity HP6 (Dermal)	<1%
Acute Toxicity HP6 (Dermal)	<1%
Acute Toxicity HP6 (Inhal)	<0.1%
Acute Toxicity HP6 (Inhal)	<0.1%
Acute Toxicity HP6 (Inhal)	<0.1%
Acute Toxicity HP6 (Inhal)	<0.1%
Acute Toxicity HP6 (Inhal)	<1%
Carcinogenic HP7	
Carcinogenic HP7	
Carcinogenic HP7	
Carcinogenic HP7 Unknown TPH with ID	
Carcinogenic HP7 b(a)p marker test (Unknown TPH with ID only) Cell only applicable if TPH >1,000mg/kg	
pH Corrosive HP8 pH (soil or leachate)	
pH Corrosive HP8 pH (soil or leachate)	
Toxic for Reproduction HP10	
Toxic for Reproduction HP10	
Mutagenic HP11	
Mutagenic HP11 Unknown TPH with ID	
Mutagenic HP11 b(a)p marker test (Unknown TPH with ID only) Cell only applicable if TPH >1,000mg/kg	
Mutagenic HP11	
Produces Toxic Gases HP12 Sulphide	
Produces Toxic Gases HP12 Cyanide	
Produces Toxic Gases HP12 Thiocyanate	
HP13 Sensitising	

[illegible]



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Assessment Undertaken by:	0	RSK Project Reference	0
Assessment Checked by:	0	Site Reference	0

Chemical Testing Laboratory and Report Ref(s):
0

Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Sample Reference Depth (m) Envirolab reference										
Ecotoxic HP14 amended v6		<0.1%	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Ecotoxic HP14 amended v6		<0.1% / 1.0%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ecotoxic HP14 amended v6		<0.1% / 1.0%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Persistent Organic Pollutant (PCB, PBB, PFOS, & POP Pesticides)			0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000
Persistent Organic Pollutant (Total sum of PDBEs)			0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000
Persistent Organic Pollutant (Total Dioxins+Furans)			0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000
Persistent Organic Pollutant (Individual Dioxins+Furans)			0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000	0.00000000000

If other contaminants need adding to Haswaste, please contact RSK

Haswaste, developed by Dr. Iain Haslock.
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Assessment Undertaken by:	0	RSK Project Reference	0
Assessment Checked by:	0	Site Reference	0

Chemical Testing Laboratory and Report Ref(s):
0

Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

[illegible]

Sample Reference
Depth (m)
Envirolab reference

[illegible]



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Assessment Undertaken by:	0	RSK Project Reference	0
Assessment Checked by:	0	Site Reference	0

Chemical Testing Laboratory and Report Ref(s):

0

Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Sample Reference
Depth (m)
Envirolab reference

Cyanide/Sulfur compounds:

Total Sulphide	mg/kg
Complex Cyanide	mg/kg
Free (or Total) Cyanide	mg/kg
Thiocyanate	mg/kg
Elemental/Free Sulphur	mg/kg

Phenols Input Total Phenols HPLC OR individual Phenol results.

Phenol	mg/kg
Cresols	mg/kg
Xylenols	mg/kg
Resorcinol	mg/kg
Phenols Total by HPLC	mg/kg

BTEX Input Total BTEX OR individual BTEX results.

Benzene	mg/kg
Toluene	mg/kg
Ethylbenzene	mg/kg
Xylenes	mg/kg
Total BTEX	mg/kg

PCBs (POPs)

PCBs Total (eg EC7/WHO12)	mg/kg
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PBBs (POPs)

Hexabromobiphenyl (Total or PBB153; 2,2',4,4',5,5'- if only available)	mg/kg
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PFOS (POPs)

PFOS and PFOS derivatives	mg/kg
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--	--	--	--	--	--	--	--	--	--

PBDEs (POPs)

PBDEs (sum of concentrations):

--	--	--	--	--	--	--	--	--	--

POPs Dioxins and Furans Input Total Dioxins and Furans OR individual Dioxin and Furan results.

2,3,7,8-TeCDD	mg/kg
1,2,3,7,8-PeCDD	mg/kg
1,2,3,4,7,8-HxCDD	mg/kg
1,2,3,6,7,8-HxCDD	mg/kg
1,2,3,7,8,9-HxCDD	mg/kg
1,2,3,4,6,7,8-HpCDD	mg/kg
OCDD	mg/kg
2,3,7,8-TeCDF	mg/kg
1,2,3,7,8-PeCDF	mg/kg
2,3,4,7,8-PeCDF	mg/kg
1,2,3,4,7,8-HxCDF	mg/kg
1,2,3,6,7,8-HxCDF	mg/kg
2,3,4,6,7,8-HxCDF	mg/kg
1,2,3,7,8,9-HxCDF	mg/kg
1,2,3,4,6,7,8-HpCDF	mg/kg
OCDF	mg/kg
Total Dioxins and Furans	mg/kg



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Assessment Undertaken by:	0	RSK Project Reference	0
Assessment Checked by:	0	Site Reference	0

Chemical Testing Laboratory and Report Ref(s):

0

Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Sample Reference
Depth (m)
Envirolab reference

Some Pesticides (POPs unless otherwise stated)

Aldrin	mg/kg
α Hexachlorocyclohexane (alpha-HCH) (leave empty if total HCH results used)	mg/kg
β Hexachlorocyclohexane (beta-HCH) (leave empty if total HCH results used)	mg/kg
α Cis-Chlordane (alpha) OR Total Chlordane	mg/kg
δ Hexachlorocyclohexane (delta-HCH) (leave empty if total HCH results used)	mg/kg
Dieldrin	mg/kg
Endrin	mg/kg
γ Hexachlorocyclohexane (gamma-HCH) (lindane) OR Total HCH	mg/kg
Heptachlor	mg/kg
Hexachlorobenzene	mg/kg
o,p'-DDT (leave empty if total DDT results used)	mg/kg
p,p'-DDT OR Total DDT	mg/kg
γ Trans-Chlordane (gamma) (leave empty if total Chlordane results used)	mg/kg
Chlordecone (kepone)	mg/kg
Pentachlorobenzene	mg/kg
Mirex	mg/kg
Toxaphene (camphechlor)	mg/kg

Tin

Tin (leave empty if Organotin and Tin excl Organotin results used)	mg/kg
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Organotin

Dibutyltin; DiBT	mg/kg
Tributyltin; TriBT	mg/kg
Triphenyltin; TriPT	mg/kg
Tetrabutyltin; TeBT	mg/kg

Tin excluding Organotin

Tin excl Organotin	mg/kg
--------------------	-------

Asbestos in Soil

Asbestos detected in Soil (enter Y or N)

Asbestos % Composition in Soil (Matrix Loose Fibres or Microscopic Identifiable Pieces only)

Carcinogenic HP7 % Asbestos in Soil (fibres or micro pieces)
Please be advised, if the calculation cell is "0.00000" DOES NOT MEAN asbestos testing has been undertaken and the result is zero.

Asbestos Identifiable Pieces visible with the naked eye detected in the Soil (enter Y or N)

--	--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--	--

If Asbestos in Soil above is "Y", the soil is Hazardous Waste HP5 and HP7

0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

If Asbestos in Soil above is "Y", but Asbestos % above is "<0.1%", the soil is Non Hazardous Waste. You can only use Asbestos % results where loose fibres or micro pieces are only present. You cannot use Asbestos % results when visual identifiable pieces are present.

--	--	--	--	--	--	--	--	--	--

If visual identifiable pieces of asbestos are present, you cannot use Asbestos % results and the whole soil sample is Hazardous Waste HP5 and HP7 Construction material containing Asbestos 17 06 05. Therefore, if Asbestos in Soil above is "Y", the Asbestos % above is "<0.1%", but the Asbestos Identifiable Pieces visible with the naked eye is "Y", the soil is Hazardous Waste.

Identifiable Pieces are Cement, Fragments, Board, Rope etc. ie anything ACM that is not Loose Fibres.

All visual asbestos pieces need to be removed leaving only fibres (or micro pieces) with an Asbestos % Composition in Soil result of <0.1% for the soil to become non-hazardous waste.

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Assessment Undertaken by:	0	RSK Project Reference	0
Assessment Checked by:	0	Site Reference	0

Chemical Testing Laboratory and Report Ref(s):
0

Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

[illegible]

Sample Reference
Depth (m)
Envirolab reference

Hazardous Property Waste Assessment Output	Hazardous Property Waste Assessment Output
--	--

Hazardous Property	Cut Off Value
Corrosive HP8	<1%
Irritant HP4	<1%
Irritant HP4	<1%
Specific Target Organ Toxicity HP5	
Specific Target Organ Toxicity HP5	
Specific Target Organ Toxicity HP5	
Specific Target Organ Toxicity HP5	
Specific Target Organ Toxicity HP5	
Aspiration Toxicity HP5	
Acute Toxicity HP6 (Oral)	<0.1%
Acute Toxicity HP6 (Oral)	<0.1%
Acute Toxicity HP6 (Oral)	<1%
Acute Toxicity HP6 (Dermal)	<1%
Acute Toxicity HP6 (Dermal)	<1%
Acute Toxicity HP6 (Dermal)	<1%
Acute Toxicity HP6 (Dermal)	<1%
Acute Toxicity HP6 (Inhal)	<0.1%
Acute Toxicity HP6 (Inhal)	<0.1%
Acute Toxicity HP6 (Inhal)	<0.1%
Acute Toxicity HP6 (Inhal)	<0.1%
Acute Toxicity HP6 (Inhal)	<1%
Carcinogenic HP7	
Carcinogenic HP7	
Carcinogenic HP7	
Carcinogenic HP7 Unknown TPH with ID	
Carcinogenic HP7 b(a)p marker test (Unknown TPH with ID only) Cell only applicable if TPH >1,000mg/kg	
pH Corrosive HP8 pH (soil or leachate)	
pH Corrosive HP8 pH (soil or leachate)	
Toxic for Reproduction HP10	
Toxic for Reproduction HP10	
Mutagenic HP11	
Mutagenic HP11 Unknown TPH with ID	
Mutagenic HP11 b(a)p marker test (Unknown TPH with ID only) Cell only applicable if TPH >1,000mg/kg	
Mutagenic HP11	
Produces Toxic Gases HP12 Sulphide	
Produces Toxic Gases HP12 Cyanide	
Produces Toxic Gases HP12 Thiocyanate	
HP13 Sensitising	

[illegible]



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Assessment Undertaken by:	0	RSK Project Reference	0
Assessment Checked by:	0	Site Reference	0

Chemical Testing Laboratory and Report Ref(s):
0

Please enter available data in the rows associated with the test (grey) cells. Calculation cells initially display either "0.0000" or "#DIV/0!".
If any calculation cells below state "0.00000", testing has NOT been undertaken that contributes to that Hazardous Property.

Sample Reference
Depth (m)
Envirolab reference

Ecotoxic HP14 amended v6	<0.1%
Ecotoxic HP14 amended v6	<0.1% / 1.0%
Ecotoxic HP14 amended v6	<0.1% / 1.0%

0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Persistent Organic Pollutant (PCB, PBB, PFOS, & POP Pesticides)
Persistent Organic Pollutant (Total sum of PDBEs)
Persistent Organic Pollutant (Total Dioxins+Furans)
Persistent Organic Pollutant (Individual Dioxins+Furans)

0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000

If other contaminants need adding to Haswaste, please contact RSK