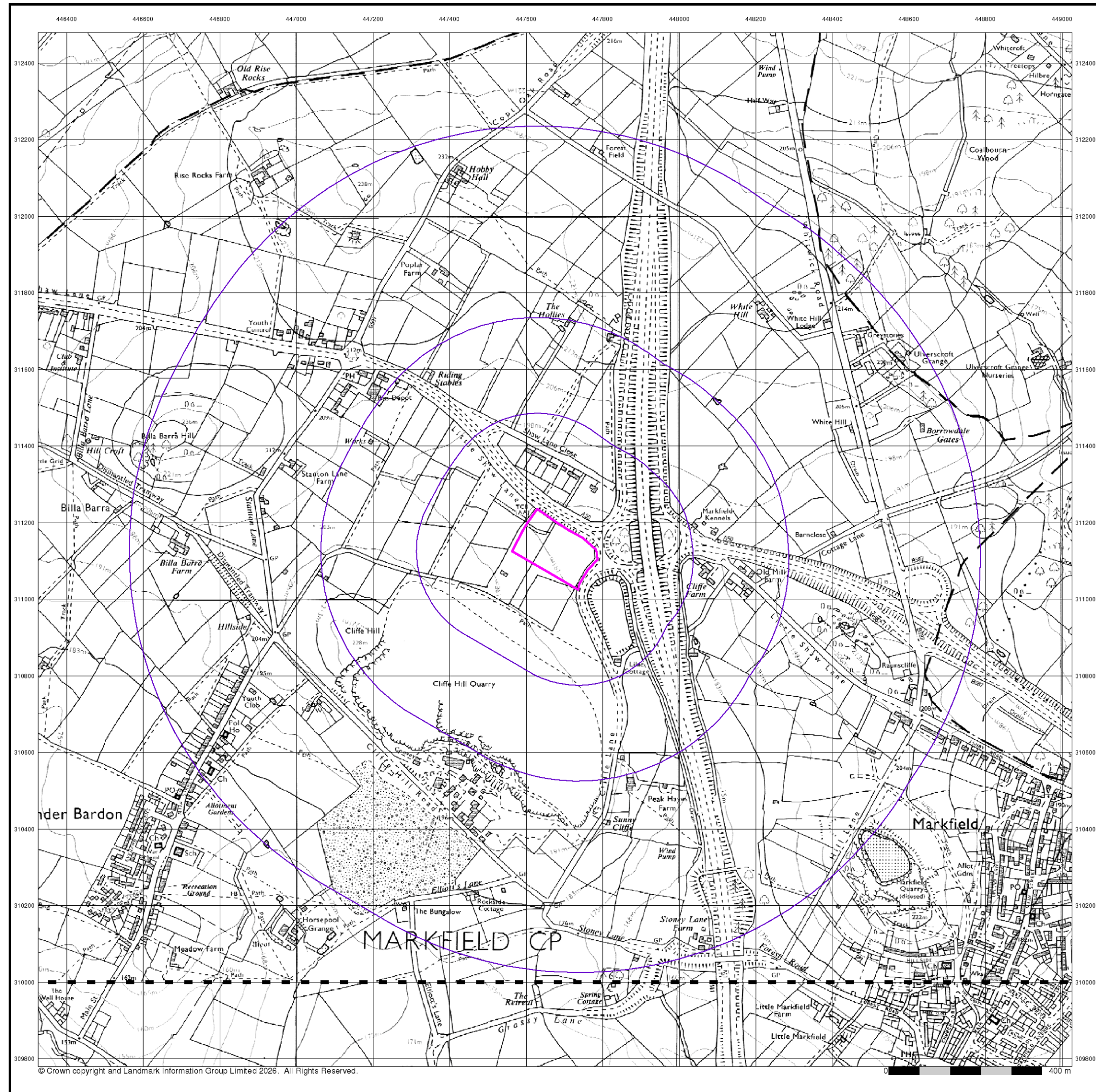






Ordnance Survey Plan

Published 1980 - 1985

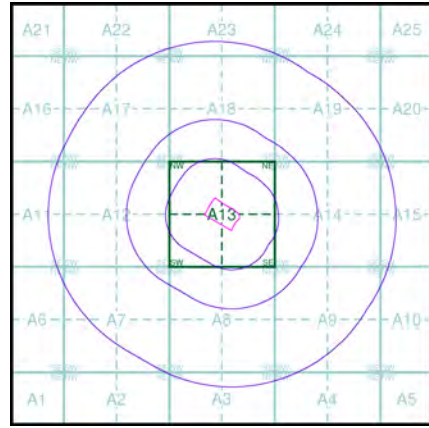
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SK41SE	1980
1:10,000	
SK40NE	1985
1:10,000	

Historical Map - Slice A



Order Details

Order Number:	392811784_1_1
Customer Ref:	UK26.7708
National Grid Reference:	447680, 311130
Slice:	A
Site Area (Ha):	2.42
Search Buffer (m):	1000

Site Details

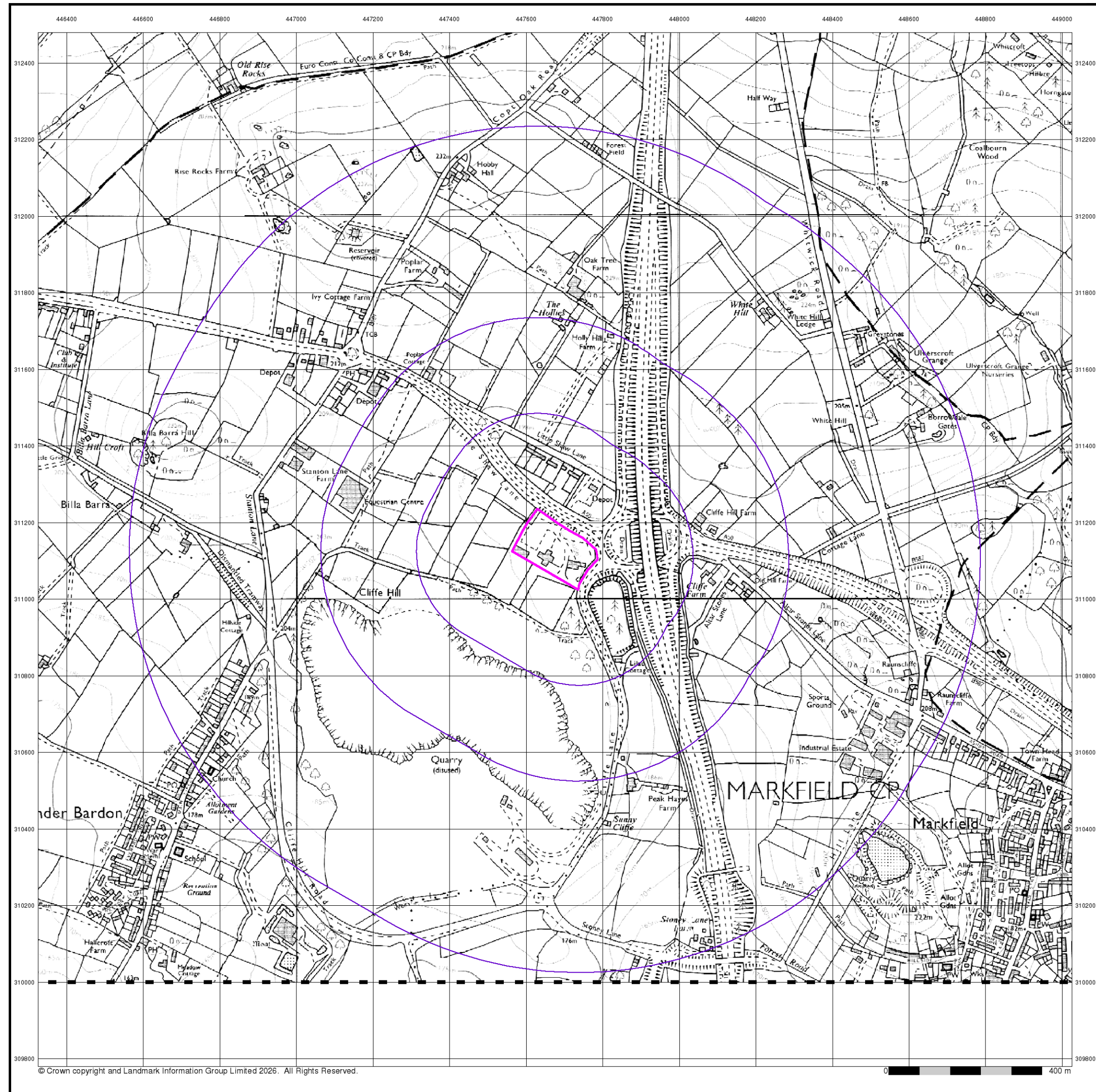
Markfield Services, Little Shaw Lane, Markfield, LE67 9PP



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

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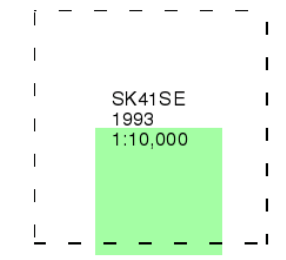
A Landmark Information Group Service v50.0 06-Jan-2026 Page 8 of 12



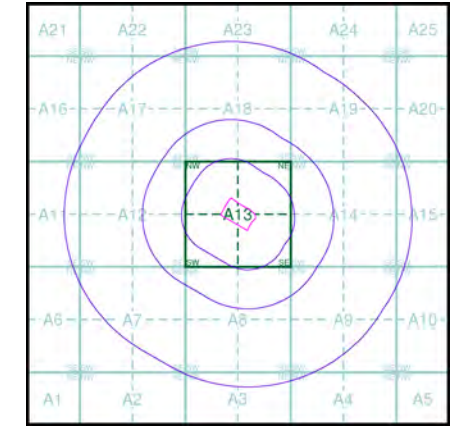
Ordnance Survey Plan
Published 1993
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A

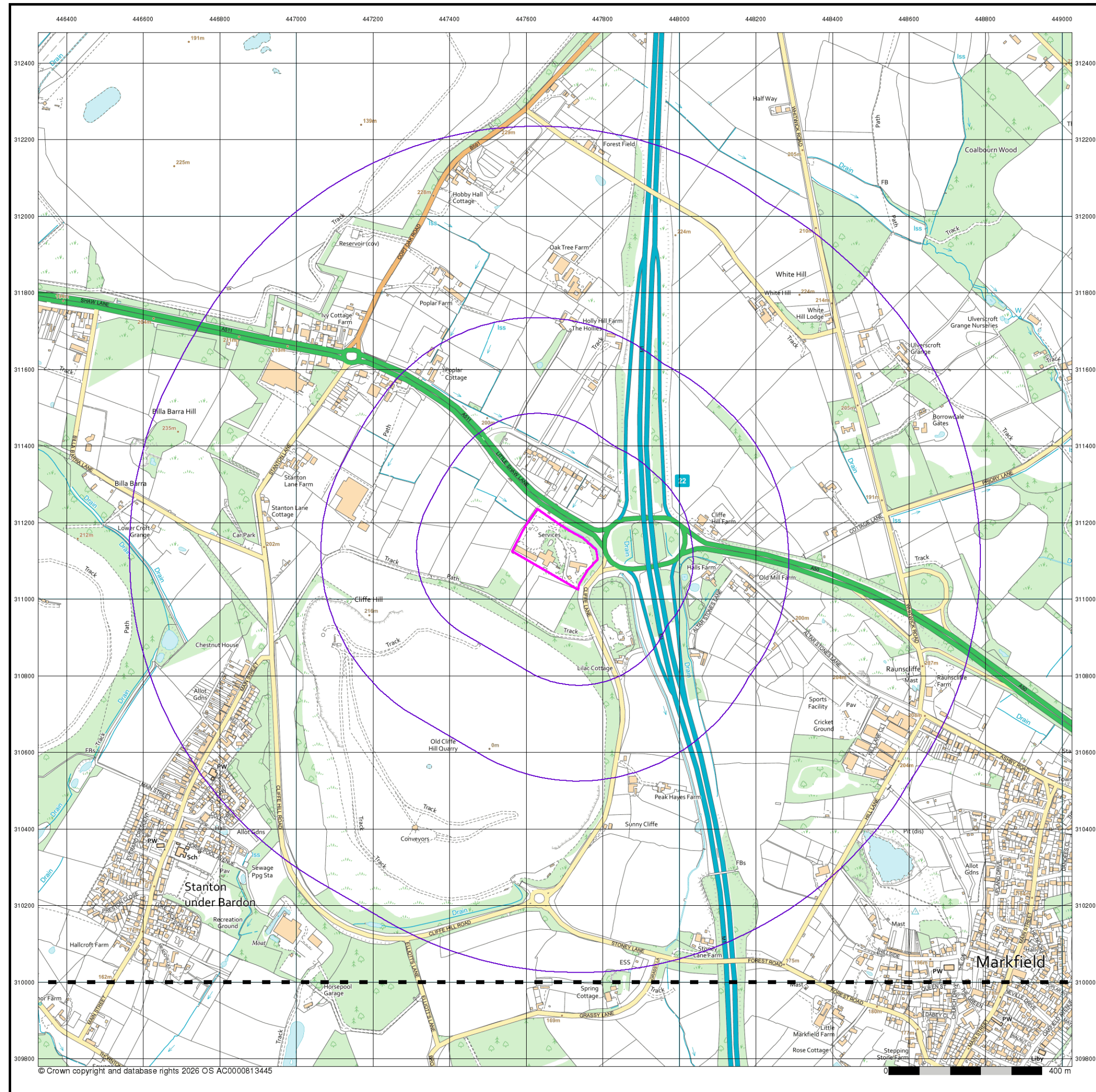


Order Details	
Order Number:	392811784_1_1
Customer Ref:	UK26.7708
National Grid Reference:	447680, 311130
Slice:	A
Site Area (Ha):	2.42
Search Buffer (m):	1000

Site Details
Markfield Services, Little Shaw Lane, Markfield, LE67 9PP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Landmark
INFORMATION GROUP



VectorMap Local

Published 2025

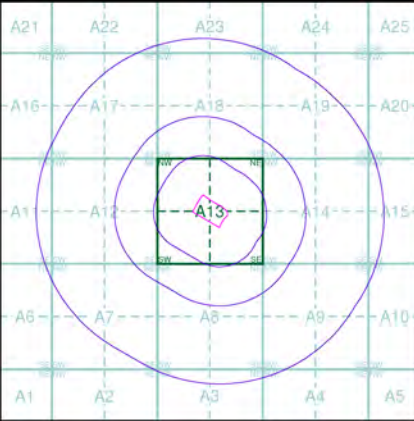
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)

SK41SE
2025
Variable
SK40NE
2025
Variable

Historical Map - Slice A



Order Details

Order Number: 392811784_1_1
Customer Ref: UK26.7708
National Grid Reference: 447680, 311130
Slice: A
Site Area (Ha): 2.42
Search Buffer (m): 1000

Site Details

Markfield Services, Little Shaw Lane, Markfield, LE67 9PP



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

APPENDIX H

Petroleum Officer Report

Matt Olley

From: John Pritchard <John.Pritchard@leics.gov.uk>
Sent: 03 February 2026 17:36
To: Alexandra Burton-Kendrick
Cc: Hugh Keen
Subject: RE: Petroleum Record Search - Markfield Services, Little Shaw Lane, Markfield
Attachments: Markfield_Svcs_1.jpg; Markfield_Svcs_2.jpg

Hi Alexandra,

Having now retrieved the file I can respond to your enquiry as follows: -

Tank 1, 56946L, Diesel.
Tank 2, 56577L, Petrol.
Tank 3, 56313L, Petrol.
Tank 4, 28420L, Petrol.
Tank 5, 27949L, Diesel.
Tank 6, 60000L, Diesel.

Tanks 1 – 5 were installed in 1989; Tank 6 was installed in 1995.

In the absence of further information it is believed that the tanks were of single-skin steel construction.

All tanks were decommissioned, in July 2020, by filling with Britfoam.

No changes of site layout are recorded.

No pressure test results are held.

Spills/complaints etc.: no details of spills are held, but in 1997 there was a partial crossover during a tanker delivery (a small quantity of petrol was delivered into a diesel tank). The issue was identified and resolved swiftly. No fuel was spilt in the process.

Inspection notes: nothing significant to report. Site was maintained in good order.

Other information: copies of site plan attached, showing location of tanks.

As with all enquiries of this nature I include the following caveat:-

"I must advise you that Leicestershire Trading Standards Service can be held responsible neither for the accuracy of older Petroleum licensing files/records (which were compiled before this Service took control of such matters in 1997), nor for the absence of such a file; therefore, I should recommend that any work undertaken on a given site proceed with due caution. I must stress, however, that every effort is made to ensure that complete, accurate records are held by this Service."

An invoice will be sent in due course.

Kind regards,
John.

John Pritchard, Trading Standards Officer (Petroleum)
Trading Standards Service
Leicestershire County Council
County Hall
Glenfield
Leics.
LE3 8RA
Tel. 0116 3057590
E-mail: john.pritchard@leics.gov.uk
Business Advice: (email) tradingstandards@leics.gov.uk (web)
www.leics.gov.uk/tradingstandards & leicestershire.gov.uk/tradingstandards
<https://www.leicestershire.gov.uk/employing-children>

For support and comprehensive advice on starting or growing your business in Leicestershire visit the [LLEP Business Gateway](#)

Do you make green claims for your goods or services? Please ensure you comply with the new CMA '[Green Claims Code](#)'.

From: Alexandra Burton-Kendrick <alexbk@epstrategies.co.uk>
Sent: 22 January 2026 09:18
To: John Pritchard <John.Pritchard@leics.gov.uk>
Subject: RE: Petroleum Record Search - Markfield Services, Little Shaw Lane, Markfield

Hi John

Please find attached consent letter as requested.

Kind regards

Alexandra Burton-Kendrick
Project Administrator

Mobile: 07802 457412
Email: alexbk@epstrategies.co.uk



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From: John Pritchard <John.Pritchard@leics.gov.uk>
Sent: 20 January 2026 16:47
To: Alexandra Burton-Kendrick <alexbk@epstrategies.co.uk>
Subject: RE: Petroleum Record Search - Markfield Services, Little Shaw Lane, Markfield

No problem: I'll keep the enquiry open for you.

John.

From: Alexandra Burton-Kendrick <alexbk@epstrategies.co.uk>
Sent: 20 January 2026 16:02
To: John Pritchard <John.Pritchard@leics.gov.uk>
Subject: RE: Petroleum Record Search - Markfield Services, Little Shaw Lane, Markfield

Hi John

I am just waiting for the client to send across a consent letter to go ahead with the search.

Once they do, I will send a PO to you to go ahead.

Kind regards

Alexandra Burton-Kendrick
Project Administrator

Mobile: 07802 457412
Email: alexbk@epstrategies.co.uk



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From: John Pritchard <John.Pritchard@leics.gov.uk>
Sent: 20 January 2026 14:47
To: Alexandra Burton-Kendrick <alexbk@epstrategies.co.uk>
Subject: RE: Petroleum Record Search - Markfield Services, Little Shaw Lane, Markfield

Hi Alexandra,

May I just check that your client wishes to proceed with this file search? If not, please let me know so that I may close the enquiry.

Many thanks and kind regards,
John.

From: Alexandra Burton-Kendrick <alexbk@epstrategies.co.uk>
Sent: 12 January 2026 11:53
To: John Pritchard <John.Pritchard@leics.gov.uk>
Subject: RE: Petroleum Record Search - Markfield Services, Little Shaw Lane, Markfield

Hi John

Thank you for getting back to me on this. I will contact our client and ask for an authorisation letter as requested.

We are also happy with the costs to go ahead, our PO number for this is 39699.

Kind regards

Alexandra Burton-Kendrick
Project Administrator

Mobile: 07802 457412
Email: alexbk@epstrategies.co.uk



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From: John Pritchard <John.Pritchard@leics.gov.uk>
Sent: 09 January 2026 12:05
To: Alexandra Burton-Kendrick <alexbk@epstrategies.co.uk>
Subject: RE: Petroleum Record Search - Markfield Services, Little Shaw Lane, Markfield

Hi Alexandra,

Many thanks for your enquiry. I can confirm that this Service does hold records for the site in question: please send me written authority, from the site owner, to disclose information to you. The fee for the file search will be £34.80 per hour (normally one hour is sufficient): please confirm that this is acceptable to you. An invoice will be issued following the provision of information.

Kind regards,
John.

***John Pritchard, Trading Standards Officer (Petroleum)
Trading Standards Service
Leicestershire County Council
County Hall
Glenfield
Leics.
LE3 8RA***

Tel. 0116 3057590

E-mail: john.pritchard@leics.gov.uk

Business Advice: (email) tradingstandards@leics.gov.uk (web)

www.leics.gov.uk/tradingstandards & leicestershire.gov.uk/tradingstandards

<https://www.leicestershire.gov.uk/employing-children>

For support and comprehensive advice on starting or growing your business in Leicestershire visit the [LLEP Business Gateway](#)

Do you make green claims for your goods or services? Please ensure you comply with the new CMA '[Green Claims Code](#)'.

From: Alexandra Burton-Kendrick <alexbk@epstrategies.co.uk>

Sent: 06 January 2026 13:56

To: John Pritchard <John.Pritchard@leics.gov.uk>

Subject: Petroleum Record Search - Markfield Services, Little Shaw Lane, Markfield

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Hi John

I am looking for information that you may have regarding current and expired petroleum licenses for a 500m radius of the following site (plan attached):

Grid Ref:- 447684 , 311140

Markfield Services, Little Shaw Lane, Markfield, LE67 9PP

Specifically, I was hoping to obtain any information you hold relating to the following (plus any additional information that is pertinent):

- Tanks - how many/how large and what they contain
- Installation date of tanks and records of any changes to layout
- Records of current/past pressure tests (particularly failed pressure tests)
- Records of spills/complaints etc
- Site inspection notes/reports
- Any other information you consider to be relevant

I understand there may be a charge, please contact me letting me know the charge prior to starting and I will pay over the phone and provide a purchase order number to avoid any delays

Please do not hesitate to contact me should you require any additional information.

Kind regards

Alexandra Burton-Kendrick

Project Administrator

Mobile: 07802 457412

Email: alexbk@epstrategies.co.uk



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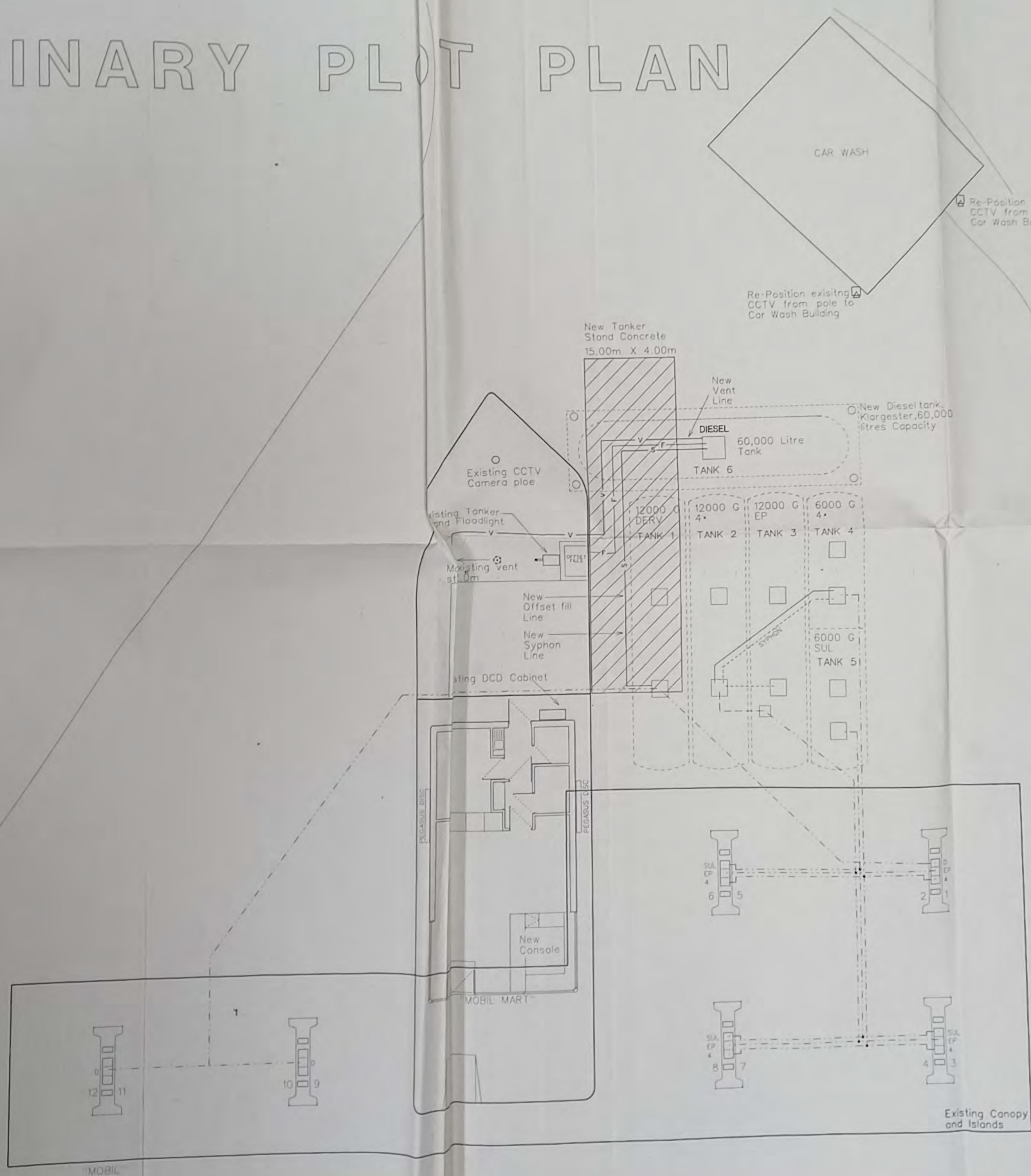
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PRELIMINARY PLOT PLAN



OPERATION TYPE	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5
OPER					
1 YEAR VOLUME PROJECTION (M3)	CAR / VAN	TRUCK / BUS	ARTICULATED		
GAOLINE					
DIESEL					
HEATING					
UPS					
TRAFFIC FLOW (vehicles per day)	CAR / VAN	TRUCK / BUS	ARTICULATED		
WEEK HOURS - WEEK END	COUNT TR	COUNT TR	COUNT TR		
- OFF SIDE					
- HOURLY PEAK					
% daily cost					
SEE ROAD - WEEK END					
- OFF SIDE					
- HOURLY PEAK					
% daily cost					
LOCAL POPULATION DATA (NUMBER)	WITHIN 10 km	WITHIN 5 km			
HOUSEHOLDS					
PEOPLE					
CARS					
PRIMARY CUSTOMER VEHICLE TYPE	CAR / VAN				
TRUCK / BUS					
ARTICULATED TRUCK					

European Affiliate	
Project Review Committee	
Marketing Engineering Manager	

No	Date	Revision	Drawn
----	------	----------	-------

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Mobil
 European Engineering Services
 High Wycombe Design Centre
 Mobil Oil Company Limited
 The Cock House, Frogmore, High Wycombe
 Buckinghamshire HP13 6DB United Kingdom
 Tel: (44) 0494 459222 FAX: (44) 0494 453274

Site:
 GRANADA
 MARKFIELD SERVICES AREA

Drawing Title:
 NEW DIESEL TANK AND
 DCD WORKS

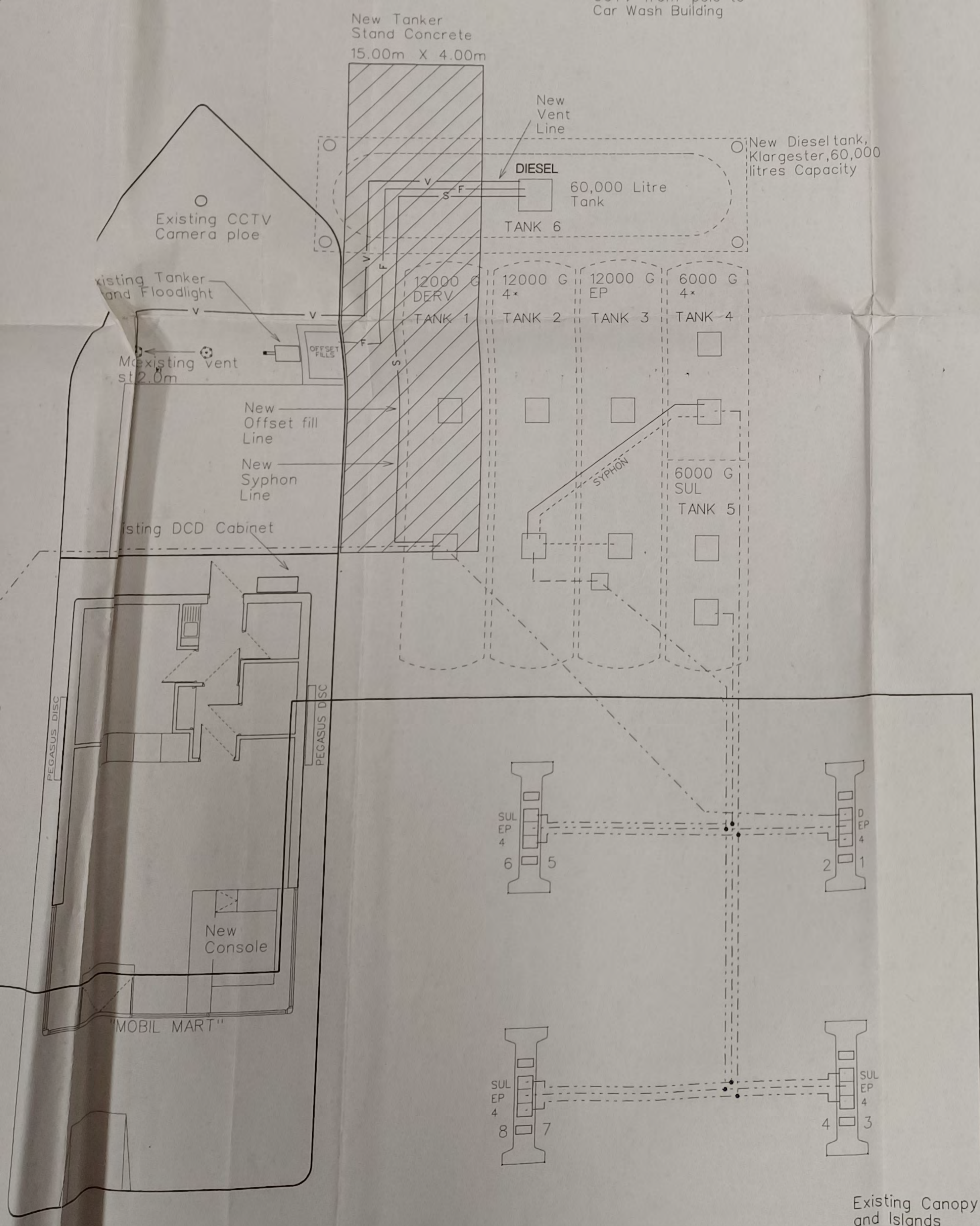
Drawn: W.MERAI Date: 08.05.95
 Engineer: M.D.EDWORTHY Checked: M.D.E.

Scale: 1:100 @ A1, 1:200 @ A3
 Euro Site No: Affiliate Site No: 11712

Drawing No:
 932013-01

CAR WASH

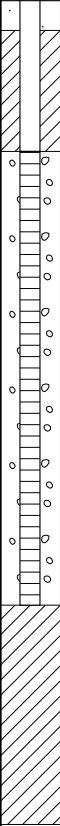
Re-Position existing CCTV from pole to



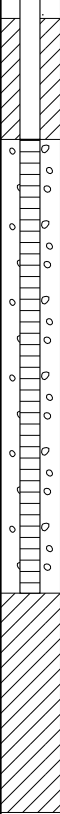
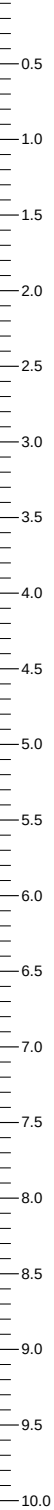
OPERATION TYPE:	1' ☐	1/2' ☐	1' ☐	OTHER _____
5 YEAR VOLUME PROJECTION (MMU):		CAR / VAN	RIGID TRUCK	
GASOLINE		_____	_____	
DIESEL		_____	_____	
HEATING		_____	_____	
LPG		_____	_____	
TRAFFIC FLOW (Vehicles per day):		CAR / VAN	RIGID TRUCK	
MAIN ROAD - NEAR SIDE		COUNT TR	COUNT TR	
- OFF SIDE		_____	_____	
- HOURLY PEAK		_____	_____	
(% of daily count)		_____	_____	
SIDE ROAD - NEAR SIDE		_____	_____	
- OFF SIDE		_____	_____	
- HOURLY PEAK		_____	_____	
(% of daily count)		_____	_____	
LOCAL POPULATION DATA (NUMBER):		WITHIN 1.0		
HOUSEHOLDS		_____		
PEOPLE		_____		
CARS		_____		
PRIMARY CUSTOMER VEHICLE TYPE				
CAR / VAN		☐		
RIGID TRUCK / BUS		☐		
ARTICULATED TRUCK		☐		
European Affiliate				
Resale Manager: _____				
Projects Review Committee				
Resale Manager: _____				
Marketing Engineering Manager: _____				
No		Date		
NOTE:- This drawing is the property of Mobil and must not be passed to any third party. It is the Contractor's responsibility to verify all dimensions to Mobil Oil. Noted dimensions on drawings are subject to change without notice.				
				
European Engine High Wycombe Mobil Oil Co				
The Clock House Buckinghamshire Tel. (44) 0494 459222				
Site:				
GRANADA MARKFIELD				
Drawing Title:				
NEW DIE DCD WORK				
Drawn: M.MERALI				
Engineer: M.D.EDWARDS				
Scale: 1:100				
Euro Site No:				
Drawing No:				

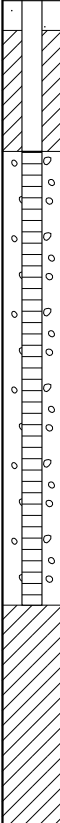
APPENDIX I

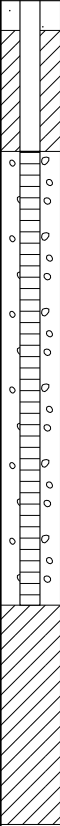
Site Specific Borehole Logs

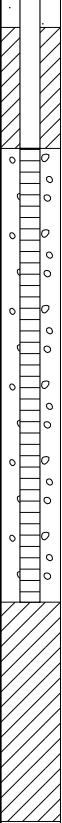
		Window Sampler			WS02				
					Sheet 1 of 1				
		Hole Type WS	Easting 447726.00	Northing 311061.00	Ground Level (m)	Scale 1:50			
Project Name Markfield Services		Project No. UK26.7708		Start Date 28.01.2026		End Date 28.01.2026			
Client EG On The Move Ltd				Consultant EPS Ltd		Contractor RP Drilling			
Inst/ Backfill	Water Levels	Samples and Tests		Level (m)	Depth (m)	Strata			
		Depth (m)	Type/ Ref			Results	Legend		Description
		0.25	PID	0.00 (ppmv)		(0.23)		MADE GROUND: BITUMINOUS MATERIAL (Asphalt).	
	0.25-0.35	ES 1			0.23			MADE GROUND: Brown very gravelly silty fine to coarse SAND. Gravel is angular to subrounded fine to coarse of igneous lithologies. (Subbase).	0.5
	0.40	PID	0.00 (ppmv)						
	0.40-0.60	ES 2				(1.22)		Grey (1.00 - 1.10m)	1.0
						1.45		Reddish brown gravelly clayey fine to coarse sand. Gravel is angular to subangular fine to coarse (1.20 - 1.45m)	1.5
	1.20	SPT(C)	N=25 (25/13,4,4,4)			(0.85)		MADE GROUND: Dark greyish brown sandy gravelly silty CLAY. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of quartzite, slate, and brick.	2.0
	1.55	HV	72 (kPa)			2.30			2.5
	1.70	PID	0.00 (ppmv)			(0.70)		Firm to stiff yellowish brown mottled light grey and dark grey slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular fine to coarse of igneous lithologies. [Oadby Till Member]	2.5
	1.70-1.90	ES 3				3.00			3.0
	2.00	SPT(C)	N=12 (3,3/3,2,3,4)					Firm reddish brown slightly gravelly very sandy silty clay. Sand is fine. Gravel is angular to subrounded fine to coarse of quartzite (2.30 - 2.55m)	3.0
	2.50	HV	61 (kPa)						3.5
	2.65	HV	88 (kPa)					Stiff reddish brown slightly sandy slightly gravelly silty CLAY. Sand is fine to coarse. Gravels is subangular to subrounded fine and medium of granite. [Oadby Till Member]	3.5
	2.80	HV	84 (kPa)						4.0
	2.80-3.00	D 1							4.0
	2.90	HV	137 (kPa)						4.5
3.00	SPT(C)	N=17 (7,6/2,4,4,7)						5.0	
3.60	HV	190 (kPa)						5.0	
3.75	HV	121 (kPa)						5.5	
3.90	HV	111 (kPa)						6.0	
4.00	SPT(C)	N=22 (3,3/3,4,7,8)						6.5	
								7.0	
								7.5	
								8.0	
								8.5	
								9.0	
								9.5	
								10.0	
Remarks Termination Reason: Achieved scheduled depth. Groundwater: None encountered.						Method, Plant, Stability, Dimensions 0.00 - 5.43m WS		Logger MO	
Checked By: JB Approved By: BV Status: FINAL									

				Window Sampler				WS03 Sheet 1 of 1	
Hole Type WS		Easting 447748.00		Northing 311080.00		Ground Level (m)		Scale 1:50	
Project Name Markfield Services				Project No. UK26.7708		Start Date 28.01.2026		End Date 28.01.2026	
Client EG On The Move Ltd				Consultant EPS Ltd		Contractor RP Drilling			
Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.90-1.10 1.00	ES 1 PID	180.10 (ppmv)		(0.23) 0.23		MADE GROUND: BITUMINOUS MATERIAL (Asphalt).	0.5
								MADE GROUND: Greyish brown slightly sandy silty angular fine to coarse GRAVEL. Sand is fine to coarse. (Subbase). <i>Light brownish grey (0.60 - 1.10m)</i>	
						1.10		End of Borehole at 1.10m	1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0
									5.5
									6.0
									6.5
									7.0
									7.5
									8.0
									8.5
									9.0
									9.5
									10.0
Remarks Termination Reason: Groundwater ingress prevented hand pitting to 1.20m. Groundwater: Water strike at 1.00m.							Method, Plant, Stability, Dimensions 0.00 - 1.00m WS		Logger MO
Checked By: JB Approved By: BV Status: FINAL									

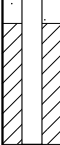
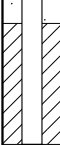
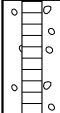
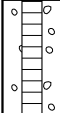
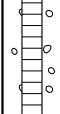
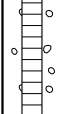
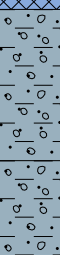
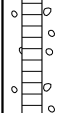
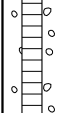
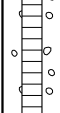
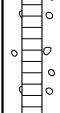
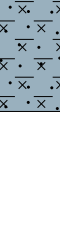
		Window Sampler				WS04			
						Sheet 1 of 1			
		Hole Type WS	Easting 447753.00	Northing 311112.00	Ground Level (m)	Scale 1:50			
Project Name Markfield Services		Project No. UK26.7708		Start Date 28.01.2026		End Date 28.01.2026			
Client EG On The Move Ltd				Consultant EPS Ltd		Contractor RP Drilling			
		Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/Ref	Results			Legend	Description	
						(0.25)		MADE GROUND: BITUMINOUS MATERIAL (Asphalt).	
						0.25			
						(0.40)		MADE GROUND: Greyish brown slightly sandy silty angular fine to coarse GRAVEL. Sand is fine to coarse. (Subbase).	0.5
		0.70	PID	0.00 (ppmv)		0.65			
		0.70-0.90	ES 1						
						(0.85)		MADE GROUND: Brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of sandstone and various igneous lithologies.	1.0
		1.20	SPT(C)	N=9 (5,3/2,2,3,2)				<i>Slightly sandy slightly gravelly clayey angular cobbles (1.00 - 1.20m)</i>	
						1.50			1.5
		1.60	PID	0.00 (ppmv)				MADE GROUND: Dark greyish brown sandy gravelly silty CLAY. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of quartzite, slate, and brick.	
		1.60	HV	49 (kPa)		(0.60)			2.0
		1.60-1.80	ES 2						
		1.75	HV	29 (kPa)					
		1.80-2.10	D 1			2.10		Soft to firm orangish brown mottled grey slightly gravelly sandy silty CLAY. Sand is fine and medium. Gravel is subangular to rounded fine and medium of granite.	2.5
		1.85	HV	36 (kPa)				[Oadby Till Member]	
		2.00	SPT(C)	N=8 (2,2/2,2,2,2)					
						(1.00)		Soft light brown slightly gravelly very sandy silty CLAY. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of quartzite.	3.0
		2.50	HV	45 (kPa)				[Oadby Till Member]	
		2.60-2.80	D 2			3.10		Firm reddish brown slightly sandy slightly gravelly silty CLAY. Sand is fine to coarse. Gravels is subangular to subrounded fine and medium of granite.	3.5
		2.65	HV	53 (kPa)					
		2.80	HV	63 (kPa)		(0.45)			
		3.00	SPT(C)	N=13 (3,3/4,3,3,3)					
		3.10-3.40	D 3			3.55			4.0
		3.50	HV	50 (kPa)					
		3.70	HV	48 (kPa)					
		3.90	HV	61 (kPa)					
		4.00	SPT(C)	N=10 (2,2/2,2,2,4)					4.5
						(1.90)			
		4.30-4.50	D 4						5.0
		5.00	SPT(C)	N=13 (2,2/2,3,3,5)		5.45			5.5
								End of Borehole at 5.45m	6.0
									6.5
									7.0
									7.5
									8.0
									8.5
									9.0
									9.5
									10.0
Remarks Termination Reason: Achieved scheduled depth. Groundwater: None encountered.						Method, Plant, Stability, Dimensions 0.00 - 5.45m WS		Logger JA	
Checked By: JB Approved By: BV Status: FINAL									

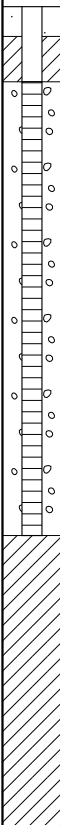
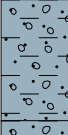
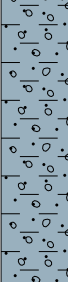
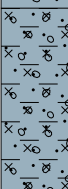
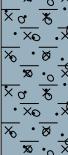
		Window Sampler				WS05		
						Sheet 1 of 1		
		Hole Type WS	Easting 447717.00	Northing 311110.00	Ground Level (m)	Scale 1:50		
Project Name Markfield Services		Project No. UK26.7708		Start Date 28.01.2026		End Date 28.01.2026		
Client EG On The Move Ltd		Consultant EPS Ltd		Contractor RP Drilling				
Inst/ Backfill	Water Levels	Samples and Tests		Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref			Results	Legend	
					(0.26)		MADE GROUND: BITUMINOUS MATERIAL (Asphalt).	
					0.26			
					(0.39)		MADE GROUND: Greyish brown slightly sandy silty angular fine to coarse GRAVEL. Sand is fine to coarse. (Subbase).	0.5
					0.65		MOT Type 1 (0.26 - 0.35m)	
	0.70	PID	0.00 (ppmv)		(0.65)		MADE GROUND: Brown mottled grey and orangish brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is angular to subrounded locally tabular fine to coarse of sandstone and various igneous lithologies.	1.0
	0.70-0.90	ES 1			1.30			
					(0.30)		MADE GROUND: Dark greyish brown sandy gravelly silty CLAY. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of quartzite, slate, and brick.	1.5
	1.20	SPT(C)	N=20 (1,2/2,4,4,10)		1.60			
					(0.50)		Firm brown mottled grey slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of granite. [Oadby Till Member]	2.0
	1.80-2.00	D 1			2.10			
	2.00	SPT(C)	N=9 (2,2/2,2,2,3)		(0.80)		Firm to stiff yellowish brown slightly gravelly very sandy CLAY. Sand is fine. Gravel is subangular to subrounded fine to coarse of quartzite. [Oadby Till Member]	2.5
	2.50	HV	79 (kPa)				Firm to stiff reddish brown slightly sandy slightly gravelly silty CLAY. Sand is fine to coarse. Gravels is subangular to subrounded fine and medium of granite. [Oadby Till Member]	3.0
	2.65	HV	48 (kPa)					
	2.80	HV	104 (kPa)					3.5
	2.90	HV	94 (kPa)					
	3.00	SPT(C)	N=8 (2,1/2,2,2,2)		(2.55)			4.0
	3.60	HV	111 (kPa)					4.5
	3.70	HV	58 (kPa)					
	3.85	HV	118 (kPa)					5.0
	4.00	SPT(C)	N=15 (2,2/3,3,4,5)					
								5.5
	4.60	HV	184 (kPa)					6.0
	4.70	HV	202 (kPa)					
	4.85	HV	174 (kPa)					6.5
	5.00	SPT(C)	N=28 (3,4/5,5,8,10)					
								7.0
							7.5	
							8.0	
							8.5	
							9.0	
							9.5	
							10.0	
						End of Borehole at 5.45m		5.5
								6.0
								6.5
								7.0
								7.5
								8.0
								8.5
								9.0
								9.5
								10.0
Remarks Termination Reason: Achieved scheduled depth. Groundwater: Water strike with slow flow at 1.00m.						Method, Plant, Stability, Dimensions 0.00 - 5.45m WS		Logger MO
Checked By: JB Approved By: BV Status: FINAL								

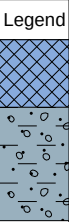
		Window Sampler				WS06				
						Sheet 1 of 1				
		Hole Type WS	Easting 447743.00	Northing 311083.00	Ground Level (m)	Scale 1:50				
Project Name Markfield Services		Project No. UK26.7708		Start Date 28.01.2026		End Date 29.01.2026				
Client EG On The Move Ltd		Consultant EPS Ltd		Contractor RP Drilling						
Inst/ Backfill	Water Levels	Samples and Tests		Level (m)	Depth (m)	Strata				
		Depth (m)	Type/ Ref			Results	Legend		Description	
					(0.29)		MADE GROUND: BITUMINOUS MATERIAL (Asphalt).			
					0.29					
					(0.16)					
					0.45					
		0.50	PID	0.00 (ppmv)				MADE GROUND: Greyish brown silty slightly sandy angular fine to coarse GRAVEL. Sand is fine to coarse. (Subbase).	0.5	
		0.50-0.70	ES 1							
						(0.90)		MADE GROUND: Brown sandy gravelly silty CLAY. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of quartzite, slate, and brick.	1.0	
		1.20	SPT(C)	N=7 (1,1/1,2,2,2)						
		1.20	PID	0.00 (ppmv)		1.35				
		1.20-1.40	ES 2							
		1.70	HV	35 (kPa)		(0.60)		MADE GROUND: Dark grey to dark brown slightly gravelly sandy silty CLAY. Sand is fine and medium. Gravel is subangular to subrounded fine and medium of granite.	1.5	
		1.90	HV	29 (kPa)						
		2.00	SPT(C)	N=7 (2,1/1,2,2,2)		1.95				
		2.60	HV	42 (kPa)				Soft greyish brown slightly gravelly very sandy silty CLAY. Sand is medium and coarse. Gravel is subangular to subrounded fine to coarse of granite.	2.0	
	2.70	HV	45 (kPa)		(0.55)					
	2.80-3.00	D 1								
	3.00	SPT(C)	N=14 (2,2/3,3,4,4)				Firm to stiff orangish brown slightly sandy slightly gravelly CLAY. Sand is fine. Gravel is subangular to subrounded fine to coarse of quartzite.	2.5		
	3.10	HV	82 (kPa)		2.50					
	3.30	HV	86 (kPa)							
	3.40-3.60	D 2								
	3.65	HV	114 (kPa)					3.0		
	3.95	HV	118 (kPa)		(1.30)					
	4.00	SPT(C)	N=19 (3,3/4,4,5,6)							
	4.50	HV	114 (kPa)				Stiff orangish brown slightly gravelly very sandy silty CLAY. Sand is medium and coarse. Gravel is subangular fine and medium of sandstone.	3.5		
	4.85	HV	117 (kPa)		(0.35)					
	5.00	SPT(C)	N=16 (4,3/3,4,4,5)		4.15					
							Stiff brown slightly sandy slightly gravelly silty CLAY. Sand is fine to coarse. Gravel is subangular to subrounded fine of quartzite.	4.0		
					(1.30)					
					5.45	End of Borehole at 5.45m			4.5	
									5.0	
									5.5	
									6.0	
									6.5	
									7.0	
									7.5	
									8.0	
									8.5	
									9.0	
									9.5	
									10.0	
Remarks Termination Reason: Achieved scheduled depth. Groundwater: None encountered.						Method, Plant, Stability, Dimensions 0.00 - 5.45m WS		Logger JA		
Checked By: JB Approved By: BV Status: FINAL										

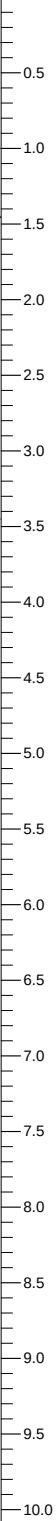
		Window Sampler			WS07						
					Sheet 1 of 1						
		Hole Type WS	Easting 447738.00	Northing 311133.00	Ground Level (m)	Scale 1:50					
Project Name Markfield Services		Project No. UK26.7708		Start Date 29.01.2026		End Date 29.01.2026					
Client EG On The Move Ltd				Consultant EPS Ltd		Contractor RP Drilling					
Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata				
		Depth (m)	Type/ Ref	Results			Legend	Description			
						(0.22)		MADE GROUND: BITUMINOUS MATERIAL (Asphalt).			
						0.22			MADE GROUND: Greyish brown silty slightly sandy GRAVEL. (Subbase).	0.5	
						(0.18)				MADE GROUND: Greyish brown sandy gravelly silty CLAY. Sand is fine and medium. Gravel is subangular to subrounded fine to coarse of black to green slate and granite.	1.0
						0.40					
						(0.95)					
		1.00	PID	0.00 (ppmv)		1.35			Firm to stiff dark greyish brown slightly gravelly very sandy silty CLAY. Sand is fine to coarse. Gravel is subangular to rounded fine of quartzite. [Oadby Till Member]	1.5	
		1.00-1.20	ES 1			(0.75)					
		1.20	SPT(C)	N=12 (1,2/2,4,3,3)		2.10		Firm orangish brown slightly gravelly very sandy silty CLAY. Sand is medium and coarse. Gravel is subangular to subrounded fine and medium of sandstone and granite. [Oadby Till Member]	2.5		
		1.75	HV	55 (kPa)		(0.80)					
		1.95	HV	104 (kPa)		2.90			Medium dense light brown very gravelly silty SAND. Sand is fine to coarse. Gravel is subangular to rounded fine to coarse of quartzite and sandstone. [Oadby Till Member]	3.0	
		2.00	SPT(C)	N=19 (4,6/7,5,4,3)		(0.30)					
		2.10	PID	0.00 (ppmv)		3.20			Firm to stiff reddish brown slightly sandy slightly gravelly silty CLAY. Sand is fine to coarse. Gravel is subangular to subrounded fine and medium of granite. [Oadby Till Member]	3.5	
		2.10-2.30	ES 2			(2.25)					
		2.55	HV	72 (kPa)		5.45					
		2.70	HV	68 (kPa)							
	2.90-3.10	D 1									
	3.00	SPT(C)	N=10 (2,1/1,2,4,3)								
	3.55	HV	65 (kPa)								
	4.00	SPT(C)	N=17 (2,2/3,4,4,6)								
	4.50-4.70	D 2									
	4.95	HV	114 (kPa)								
	5.00	SPT(C)	N=16 (2,2/2,4,4,6)								
						End of Borehole at 5.45m					
Remarks Termination Reason: Achieved scheduled depth. Groundwater: None encountered.						Method, Plant, Stability, Dimensions 0.00 - 5.45m WS			Logger JA		
Checked By: JB Approved By: BV Status: FINAL											

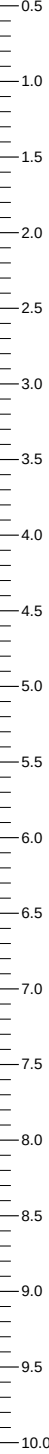
		Window Sampler				WS08			
						Sheet 1 of 1			
		Hole Type WS	Easting 447700.00	Northing 311102.00	Ground Level (m)	Scale 1:50			
Project Name Markfield Services		Project No. UK26.7708		Start Date 29.01.2026		End Date 29.01.2026			
Client EG On The Move Ltd				Consultant EPS Ltd		Contractor RP Drilling			
Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.30	PID	0.00 (ppmv)		(0.26)		MADE GROUND: BITUMINOUS MATERIAL (Asphalt).	
		0.30-0.45	ES 1			0.26		MADE GROUND: Brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of various igneous lithologies. (Subbase).	0.5
		0.50	PID	0.00 (ppmv)		(0.23)			
		0.50-0.70	ES 2			0.49			
						(0.22)		MADE GROUND: Dark brown to dark grey sandy gravelly CLAY with pockets of fine to coarse sand and angular to subangular fine to coarse gravel of sandstone, various anthropogenic materials (including brick, slate, sandstone, coal), and various igneous lithologies.	1.0
					0.71				1.5
								End of Borehole at 0.71m	
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0
									5.5
									6.0
									6.5
									7.0
									7.5
									8.0
									8.5
									9.0
									9.5
									10.0
Remarks Termination Reason: Unkown utility identified at base of inspection pit. Groundwater: None encountered.							Method, Plant, Stability, Dimensions 0.00 - 0.71m WS		Logger MO
Checked By: JB Approved By: BV Status: FINAL									

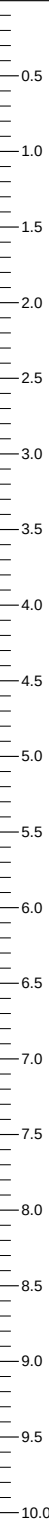
		Window Sampler				WS09							
		Sheet 1 of 1											
		Hole Type WS	Easting 447699.00	Northing 311094.00	Ground Level (m)	Scale 1:50							
Project Name Markfield Services		Project No. UK26.7708		Start Date 29.01.2026		End Date 29.01.2026							
Client EG On The Move Ltd			Consultant EPS Ltd			Contractor RP Drilling							
Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata						
		Depth (m)	Type/ Ref	Results			Legend	Description					
		0.10	PID	0.00 (ppmv)		(0.30)		MADE GROUND: Dark brown slightly gravelly sandy CLAY with frequent rootlets. Sand is predominantly fine. Gravel is angular to subrounded fine to coarse of quartzite and sandstone.	0.5				
		0.10-0.30	ES 1			0.30							
						(0.40)				MADE GROUND: Brownish grey gravelly slightly clayey fine to coarse SAND. Gravel is angular to rounded fine to coarse of sandstone, siltstone, and igneous lithologies.	1.0		
						0.70							
		1.15	PID	0.00 (ppmv)	(1.10)		MADE GROUND: Orangish brown locally dark grey slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse of quartzite, sandstone, coal, and various igneous lithologies.	1.5					
		1.15-1.25	ES 2										
		1.20	SPT(C)	N=12 (2,2/3,3,3,3)									
		1.40	PID	0.00 (ppmv)									
		1.40-1.60	ES 3		1.80		Soft to firm brownish grey slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular subrounded fine to coarse of quartzite, sandstone, and siltstone. [Oadby Till Member]	2.0					
		1.50	HV	130 (kPa)									
		1.75	HV	108 (kPa)									
		1.80-2.00	D 1										
		2.00	SPT(C)	N=5 (2,1/1,1,2,1)	(1.00)			2.5					
		2.65	HV	86 (kPa)	2.80		Firm to stiff orangish brown mottled light grey slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine and medium of quartzite. [Oadby Till Member]	3.0					
		2.90	HV	104 (kPa)						(1.05)			3.5
		3.00	SPT(C)	N=17 (2,3/4,3,4,6)									
		3.55	HV	61 (kPa)	3.85		Firm to stiff reddish brown slightly sandy silty CLAY. Sand is fine. Gravels is subangular to subrounded fine and medium of granite. [Oadby Till Member]	4.0					
		4.00	SPT(C)	N=11 (4,11/3,3,2,3)					(1.60)			4.5	
		5.00	SPT(C)	N=16 (2,1/2,3,5,6)	5.45		End of Borehole at 5.45m	5.0					
									5.5				
										6.0			
										6.5			
										7.0			
										7.5			
										8.0			
										8.5			
										9.0			
										9.5			
										10.0			
Remarks Termination Reason: Achieved scheduled depth. Groundwater: None encountered.								Method, Plant, Stability, Dimensions 0.00 - 5.45m WS			Logger MO		
Checked By: JB Approved By: BV Status: FINAL													

		Window Sampler				WS10			
						Sheet 1 of 1			
		Hole Type WS	Easting 447659.00	Northing 311208.00	Ground Level (m)	Scale 1:50			
Project Name Markfield Services		Project No. UK26.7708		Start Date 29.01.2026		End Date 29.01.2026			
Client EG On The Move Ltd			Consultant EPS Ltd			Contractor RP Drilling			
Inst/ Backfill	Water Levels	Samples and Tests			Level	Depth	Strata		
		Depth (m)	Type/ Ref	Results	(m)	(m)	Legend	Description	
		0.00 0.00-0.30	PID ES 1	0.00 (ppmv)		(0.40)		MADE GROUND: Dark brown slightly sandy slightly gravelly CLAY with occasional rootlets. Sand is predominantly fine. Gravel is angular to subangular fine to coarse of sandstone and various igneous lithologies.	
		0.50 0.50-0.70	PID ES 2	0.00 (ppmv)		0.40			0.5
		1.00-1.20	D 1			(0.80)		Soft to firm dark orangish brown slightly gravelly sandy CLAY with pockets of light greyish brown very sandy clay. Sand is fine to coarse. Gravel is angular to subangular locally tabular fine to coarse of sandstone, quartzite, and igenous lithologies. [Oadby Till Member]	1.0
		1.20	SPT(C)	N=20 (3,2/5,5,5,5)	1.20				1.5
		1.80	HV	50 (kPa)					2.0
		2.00	SPT(C)	N=7 (2,3/2,2,1,2)	(2.00)				2.5
		2.50	HV	42 (kPa)				Soft to firm orangish brown mottled light grey slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine and medium of quartzite. [Oadby Till Member]	3.0
		2.60	HV	59 (kPa)					3.5
		2.60-2.80	D 2						4.0
		2.70	HV	62 (kPa)					4.5
		3.00	SPT(C)	N=11 (3,1/2,2,3,4)	3.20			Stiff locally firm reddish brown slightly sandy slightly gravelly silty CLAY. Sand is fine to coarse. Gravels is subangular to subrounded fine and medium of granite. [Oadby Till Member]	5.0
		3.40	HV	46 (kPa)					5.5
		3.70	HV	159 (kPa)					6.0
		3.80	HV	187 (kPa)					6.5
		3.95	HV	193 (kPa)					7.0
		4.00	SPT(C)	N=30 (3,4/5,7,8,10)	(2.25)				7.5
		4.60	HV	68 (kPa)					8.0
	4.70-5.00	D 3						8.5	
	4.90	HV	166 (kPa)					9.0	
	5.00	SPT(C)	N=12 (2,2/3,2,3,4)	5.45				9.5	
							End of Borehole at 5.45m		10.0
Remarks Termination Reason: Achieved scheduled depth. Groundwater: Seepage at 1.50m.							Method, Plant, Stability, Dimensions 0.00 - 5.45m WS		Logger MO
Checked By: JB Approved By: BV Status: FINAL									

				Window Sampler				WS11 Sheet 1 of 1	
Hole Type WS		Easting 447641.00		Northing 311138.00		Ground Level (m)		Scale 1:50	
Project Name Markfield Services				Project No. UK26.7708		Start Date 29.01.2026		End Date 29.01.2026	
Client EG On The Move Ltd				Consultant EPS Ltd				Contractor RP Drilling	
Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.45	PID ES 1 D 1	0.00 (ppmv)		(0.45)		MADE GROUND: Dark brown slightly gravelly sandy CLAY with frequent rootlets. Sand is predominantly fine. Gravel is angular to subrounded fine to coarse of quartzite and sandstone.	0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0
		0.45-0.60							
		0.60-0.80							
<i>Frequent lenses of light grey fine sand (0.45 - 0.60m)</i> <i>End of Borehole at 1.20m</i>									
Remarks Termination Reason: Achieved scheduled depth. Groundwater: None encountered.							Method, Plant, Stability, Dimensions 0.00 - 1.20m WS		Logger MO
Checked By: JB Approved By: BV Status: FINAL									

		Window Sampler				WS12			
						Sheet 1 of 1			
		Hole Type WS	Easting 447666.00	Northing 311092.00	Ground Level (m)	Scale 1:50			
Project Name Markfield Services		Project No. UK26.7708		Start Date 12.02.2026		End Date 12.02.2026			
Client EG On The Move Ltd		Consultant EPS Ltd		Contractor RP Drilling					
Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		1.00	SPT(C) D 1	N=16 (4,4/4,4,4,4)		(0.30)		MADE GROUND: BITUMINOUS MATERIAL (Asphalt).	
		1.10-1.30							
		1.60-1.80	D 2	(2.00)			Firm to stiff brown sandy gravelly CLAY. Sand is fine. Gravel is subangular to subrounded fine and medium of igneous lithologies and sandstone. [Oadby Till Member]		
		2.00	SPT(C)			N=10 (2,2/2,2,3,3)		Medium dense orangish brown clayey sandy subangular to subrounded fine to coarse GRAVEL of quartzite. Sand is fine. [Oadby Till Member]	
		3.00	SPT(C)			N=16 (3,4/3,4,4,5)		Firm to stiff brown mottled dark brown sandy CLAY. Sand is predominantly fine and medium. [Oadby Till Member]	
						3.45	End of Borehole at 3.45m		
Remarks Termination Reason: Achieved scheduled depth. Groundwater: Water strike with slow flow at 1.45m.								Method, Plant, Stability, Dimensions 0.00 - 3.00m WS	Logger CR
Checked By: JB Approved By: BV Status: FINAL									

				Window Sampler				WS13 Sheet 1 of 1	
Hole Type WS		Easting 447683.00		Northing 311152.00		Ground Level (m)		Scale 1:50	
Project Name Markfield Services				Project No. UK26.7708		Start Date 12.02.2026		End Date 12.02.2026	
Client EG On The Move Ltd				Consultant EPS Ltd		Contractor RP Drilling			
Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		1.00	SPT(C)	N=50 for 0mm (25 for 0mm/)		(0.20)		MADE GROUND: BITUMINOUS MATERIAL (Asphalt).	
						0.20		MADE GROUND: Brown clayey sandy GRAVEL. (Subbase).	
						(0.30)			
						0.50			
						(0.40)		Soft greyish brown slightly gravelly sandy CLAY. Sand is fine. Gravel is subangular coarse of igneous lithologies. [Oadby Till Member]	
						0.90			
						(0.10)		Layer of slate (0.85 - 0.87m)	
						1.00		Soft dark brown sandy clayey SILT. Sand is fine. [Oadby Till Member]	
								End of Borehole at 1.00m	
Remarks Termination Reason: Refusal on hard material. Groundwater: None encountered.							Method, Plant, Stability, Dimensions 0.00 - 1.00m WS		Logger CR
Checked By: JB Approved By: BV Status: FINAL									

		Window Sampler				WS14			
						Sheet 1 of 1			
		Hole Type WS	Easting 447674.00	Northing 311137.00	Ground Level (m)	Scale 1:50			
Project Name Markfield Services		Project No. UK26.7708		Start Date 12.02.2026	End Date 12.02.2026				
Client EG On The Move Ltd			Consultant EPS Ltd		Contractor RP Drilling				
Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.50-0.70	D 1	N=32 (4,4/16,7,4,5)		(0.05)		MADE GROUND: BRICK SLAB.	
		0.50-1.00	D 2			(0.05)		MADE GROUND: Brown fine SAND. (Bedding).	
						(0.05)		MADE GROUND: Silty sandy angular fine to coarse GRAVEL. Sand is fine to coarse. (Subbase).	
						(0.10)			
						(0.70)			
		1.00	SPT(C)			0.80		Dense orangish brown clayey sandy subangular to subrounded fine to coarse GRAVEL of quartzite. Sand is fine. [Oadby Till Member]	0.5
		1.50-2.50	B 1			(0.70)		1.0	
		2.00	SPT(C)	N=17 (3,4/4,5,4,4)		1.50		Stiff brown mottled dark brown sandy CLAY. Sand is predominantly fine and medium. [Oadby Till Member]	1.5
		2.80-3.00	D 3			(1.95)		2.0	
		3.00	SPT(C)	N=18 (4,4/4,5,4,5)		3.45		2.5	
								End of Borehole at 3.45m	3.5
									4.0
									4.5
									5.0
									5.5
									6.0
									6.5
									7.0
									7.5
									8.0
									8.5
									9.0
									9.5
									10.0
Remarks Termination Reason: Achieved scheduled depth. Groundwater: Water strike with slow flow at 1.10m.							Method, Plant, Stability, Dimensions 0.00 - 3.00m WS		Logger CR
Checked By: JB Approved By: BV Status: FINAL									

		Window Sampler				WS15			
						Sheet 1 of 1			
		Hole Type WS	Easting 447601.00	Northing 311183.00	Ground Level (m)	Scale 1:50			
Project Name Markfield Services		Project No. UK26.7708		Start Date 12.02.2026		End Date 12.02.2026			
Client EG On The Move Ltd		Consultant EPS Ltd		Contractor RP Drilling					
Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.50-0.70	D 1			(0.40)		TOPSOIL: Soft to firm dark brown slightly sandy silty CLAY with frequent rootlets. Sand is fine.	
						0.40			
		1.00	SPT(C)	N=14 (2,2/3,3,4,4)		(0.50)		Firm greyish brown to yellowish brown slightly gravelly sandy CLAY. Sand is fine. Gravel is subrounded fine to coarse of quartzite. [Oadby Till Member]	0.5
		1.30-1.50	D 2			0.90			
		2.00	SPT(C)	N=29 (3,4/6,6,8,9)		(2.55)		Stiff brown mottled dark brown sandy CLAY. Sand is predominantly fine and medium. [Oadby Till Member]	1.0
									1.5
									2.0
									2.5
									3.0
		3.00	SPT(C)	N=28 (4,4/5,7,7,9)		3.45			3.5
								End of Borehole at 3.45m	4.0
									4.5
									5.0
									5.5
									6.0
									6.5
									7.0
									7.5
									8.0
									8.5
									9.0
									9.5
									10.0
Remarks Termination Reason: Achieved scheduled depth. Groundwater: None encountered.							Method, Plant, Stability, Dimensions 0.00 - 3.00m WS		Logger CR
Checked By: JB Approved By: BV Status: FINAL									

APPENDIX J

Laboratory Results – Environmental

EPS Ltd
7B Caxton House
Broad Street
Cambourne
Cambridgeshire
United Kingdom
CB23 6JN



4225



Attention : James Bowley
Date : 9th February, 2026
Your reference : UK26.7708
Our reference : Test Report 26/1359 Batch 1
Location : Markfield Services
Date samples received : 29th January, 2026
Status : Final Report
Issue : 202602091431

Eight samples were received for analysis on 29th January, 2026 of which seven were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

The greenhouse gas emissions generated (in Carbon – Co2e) to obtain the results in this report are estimated as:

Scope 1&2 emissions - 14.625 kg of CO2

Scope 1&2&3 emissions - 34.562 kg of CO2

Authorised By:



Phil Sommerton BSc

Senior Technical Account Manager

Please include all sections of this report if it is reproduced

Element Materials Technology

Client Name: EPS Ltd
Reference: UK26.7708
Location: Markfield Services
Contact: James Bowley
EMT Job No: 26/1359

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	1-4	5-8	9-12	13-16	21-24	25-28					Please see attached notes for all abbreviations and acronyms		
Sample ID	WS01 ES1	WS01 ES2	WS01 ES3	WS01 ES4	WS02 ES2	WS02 ES3							
Depth	0.40-0.50	1.20-1.40	2.20-2.40	4.80-5.00	0.40-0.60	1.70-1.90							
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T							
Sample Date	28/01/2026	28/01/2026	28/01/2026	28/01/2026	28/01/2026	28/01/2026							
Sample Type	Clay	Sandy Clay	Clay	Clay	Sandy Clay	Clay							
Batch Number	1	1	1	1	1	1							
Date of Receipt	29/01/2026	29/01/2026	29/01/2026	29/01/2026	29/01/2026	29/01/2026					LOD/LOR	Units	Method No.
Arsenic ^{#M}	9.0	-	-	-	7.7	-					<0.5	mg/kg	TM30/PM15
Cadmium ^{#M}	<0.3	-	-	-	<0.3	-					<0.3	mg/kg	TM30/PM15
Chromium ^{#M}	69.3	-	-	-	30.7	-					<0.5	mg/kg	TM30/PM15
Copper ^{#M}	19	-	-	-	28	-					<1	mg/kg	TM30/PM15
Lead ^{#M}	33	-	-	-	5	-					<5	mg/kg	TM30/PM15
Mercury ^{#M}	<0.1	-	-	-	<0.1	-					<0.1	mg/kg	TM30/PM15
Nickel ^{#M}	17.8	-	-	-	5.7	-					<0.7	mg/kg	TM30/PM15
Selenium ^{#M}	<1	-	-	-	<1	-					<1	mg/kg	TM30/PM15
Sulphur as S	-	-	<0.01	0.01	-	-					<0.01	%	TM30/PM15
Total Sulphate as SO4 ^{#M}	-	-	75	222	1069	-					<50	mg/kg	TM50/PM29
Zinc ^{#M}	95	-	-	-	69	-					<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene ^{#M}	<0.04	-	-	-	0.07	-					<0.04	mg/kg	TM4/PM8
Acenaphthylene	<0.03	-	-	-	<0.03	-					<0.03	mg/kg	TM4/PM8
Acenaphthene ^{#M}	<0.05	-	-	-	<0.05	-					<0.05	mg/kg	TM4/PM8
Fluorene ^{#M}	<0.04	-	-	-	0.06	-					<0.04	mg/kg	TM4/PM8
Phenanthrene ^{#M}	0.07	-	-	-	0.15	-					<0.03	mg/kg	TM4/PM8
Anthracene [#]	<0.04	-	-	-	<0.04	-					<0.04	mg/kg	TM4/PM8
Fluoranthene ^{#M}	0.15	-	-	-	<0.03	-					<0.03	mg/kg	TM4/PM8
Pyrene [#]	0.12	-	-	-	<0.03	-					<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene [#]	0.09	-	-	-	<0.06	-					<0.06	mg/kg	TM4/PM8
Chrysene ^{#M}	0.11	-	-	-	<0.02	-					<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene ^{#M}	0.12	-	-	-	<0.07	-					<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene [#]	<0.04	-	-	-	<0.04	-					<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene ^{#M}	0.05	-	-	-	<0.04	-					<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene [#]	<0.04	-	-	-	<0.04	-					<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene [#]	0.05	-	-	-	<0.04	-					<0.04	mg/kg	TM4/PM8
Coronene	<0.04	-	-	-	-	-					<0.04	mg/kg	TM4/PM8
PAH 16 Total	0.8	-	-	-	<0.6	-					<0.6	mg/kg	TM4/PM8
PAH 17 Total	0.76	-	-	-	-	-					<0.64	mg/kg	TM4/PM8
Benzo(b)fluoranthene	0.09	-	-	-	<0.05	-					<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	0.03	-	-	-	<0.02	-					<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	108	-	-	-	105	-					<0	%	TM4/PM8
Mineral Oil (C10-C40) (EH_CU_1D_AL)	<30	-	-	-	-	-					<30	mg/kg	TM5/PM8/PM16

Element Materials Technology

Client Name: EPS Ltd
Reference: UK26.7708
Location: Markfield Services
Contact: James Bowley
EMT Job No: 26/1359

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	1-4	5-8	9-12	13-16	21-24	25-28					Please see attached notes for all abbreviations and acronyms		
Sample ID	WS01 ES1	WS01 ES2	WS01 ES3	WS01 ES4	WS02 ES2	WS02 ES3							
Depth	0.40-0.50	1.20-1.40	2.20-2.40	4.80-5.00	0.40-0.60	1.70-1.90							
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T							
Sample Date	28/01/2026	28/01/2026	28/01/2026	28/01/2026	28/01/2026	28/01/2026							
Sample Type	Clay	Sandy Clay	Clay	Clay	Sandy Clay	Clay							
Batch Number	1	1	1	1	1	1							
Date of Receipt	29/01/2026	29/01/2026	29/01/2026	29/01/2026	29/01/2026	29/01/2026					LOD/LOR	Units	Method No.
TPH CWG													
Aliphatics													
>C5-C6 (HS_1D_AL) ^{#M}	<0.1	<0.1	-	-	<0.1	<0.1					<0.1	mg/kg	TM36/PM12
>C6-C8 (HS_1D_AL) ^{#M}	<0.1	<0.1	-	-	<0.1	0.1					<0.1	mg/kg	TM36/PM12
>C8-C10 (HS_1D_AL) ^{#M}	<0.1	<0.1	-	-	<0.1	5.7					<0.1	mg/kg	TM36/PM12
>C10-C12 (EH_CU_1D_AL) ^{#M}	<0.2	<0.2	-	-	18.0	36.7					<0.2	mg/kg	TM5/PM8/PM16
>C12-C16 (EH_CU_1D_AL) ^{#M}	<4	<4	-	-	93	175					<4	mg/kg	TM5/PM8/PM16
>C16-C21 (EH_CU_1D_AL) ^{#M}	<7	<7	-	-	95	195					<7	mg/kg	TM5/PM8/PM16
>C21-C35 (EH_CU_1D_AL) ^{#M}	<7	<7	-	-	48	70					<7	mg/kg	TM5/PM8/PM16
>C35-C40 (EH_CU_1D_AL)	<7	<7	-	-	<7	<7					<7	mg/kg	TM5/PM8/PM16
Total aliphatics C5-40 (EH_CU+HS_1D_AL)	<26	<26	-	-	254	483					<26	mg/kg	TM5/PM8/PM16/PM12/PM10
Aromatics													
>C5-EC7 (HS_1D_AR) ^{#M}	<0.1	<0.1	-	-	<0.1	<0.1					<0.1	mg/kg	TM36/PM12
>EC7-EC8 (HS_1D_AR) ^{#M}	<0.1	<0.1	-	-	<0.1	<0.1					<0.1	mg/kg	TM36/PM12
>EC8-EC10 (HS_1D_AR) ^{#M}	<0.1	<0.1	-	-	<0.1	0.2					<0.1	mg/kg	TM36/PM12
>EC10-EC12 (EH_CU_1D_AR) [#]	<0.2	<0.2	-	-	<0.2	15.8					<0.2	mg/kg	TM5/PM8/PM16
>EC12-EC16 (EH_CU_1D_AR) [#]	<4	<4	-	-	25	115					<4	mg/kg	TM5/PM8/PM16
>EC16-EC21 (EH_CU_1D_AR) [#]	<7	<7	-	-	34	128					<7	mg/kg	TM5/PM8/PM16
>EC21-EC35 (EH_CU_1D_AR) [#]	31	<7	-	-	19	39					<7	mg/kg	TM5/PM8/PM16
>EC35-EC40 (EH_CU_1D_AR)	<7	<7	-	-	<7	<7					<7	mg/kg	TM5/PM8/PM16
Total aromatics C5-40 (EH_CU+HS_1D_AR)	31	<26	-	-	78	298					<26	mg/kg	TM5/PM8/PM16/PM12/PM10
Total aliphatics and aromatics(C5-40) (EH_CU+HS_1D_Total)	<52	<52	-	-	332	781					<52	mg/kg	TM5/PM8/PM16/PM12/PM10
MTBE ^{#M}	<5	<5	-	-	<5	<5					<5	ug/kg	TM36/PM12
Benzene ^{#M}	<5	<5	-	-	<5	<5					<5	ug/kg	TM36/PM12
Toluene ^{#M}	<5	<5	-	-	<5	<5					<5	ug/kg	TM36/PM12
Ethylbenzene ^{#M}	<5	<5	-	-	<5	23					<5	ug/kg	TM36/PM12
m/p-Xylene ^{#M}	<5	<5	-	-	<5	172					<5	ug/kg	TM36/PM12
o-Xylene ^{#M}	<5	<5	-	-	<5	<5					<5	ug/kg	TM36/PM12
PCB 28 [#]	<5	-	-	-	-	-					<5	ug/kg	TM17/PM8
PCB 52 [#]	<5	-	-	-	-	-					<5	ug/kg	TM17/PM8
PCB 101 [#]	<5	-	-	-	-	-					<5	ug/kg	TM17/PM8
PCB 118 [#]	<5	-	-	-	-	-					<5	ug/kg	TM17/PM8
PCB 138 [#]	<5	-	-	-	-	-					<5	ug/kg	TM17/PM8
PCB 153 [#]	<5	-	-	-	-	-					<5	ug/kg	TM17/PM8
PCB 180 [#]	<5	-	-	-	-	-					<5	ug/kg	TM17/PM8
Total 7 PCBs [#]	<35	-	-	-	-	-					<35	ug/kg	TM17/PM8
Total Phenols HPLC	-	-	-	-	<0.15	-					<0.15	mg/kg	TM26/PM21B
Natural Moisture Content	22.5	13.6	-	-	3.6	11.4					<0.1	%	PM4/PM0
Hexavalent Chromium [#]	<0.3	-	-	-	<0.3	-					<0.3	mg/kg	TM38/PM20

Client Name: EPS Ltd
Reference: UK26.7708
Location: Markfield Services
Contact: James Bowley
EMT Job No: 26/1359

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

Please see attached notes for all abbreviations and acronyms

Element Materials Technology

Client Name: EPS Ltd
Reference: UK26.7708
Location: Markfield Services
Contact: James Bowley
EMT Job No: 26/1359

Report : Liquid

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle
 H=H₂SO₄, Z=ZnAc, N=NaOH, HN=HNO₃

EMT Sample No.	29										Please see attached notes for all abbreviations and acronyms				
Sample ID	WS03 W1														
Depth	0.80-1.00														
COC No / misc															
Containers	G														
Sample Date	28/01/2026														
Sample Type	Liquid														
Batch Number	1														
Date of Receipt	29/01/2026											LOD/LOR	Units	Method No.	
MTBE	<5											<5	ug/l	TM36/PM12	
Benzene	<5											<5	ug/l	TM36/PM12	
Toluene	<5											<5	ug/l	TM36/PM12	
Ethylbenzene	55											<5	ug/l	TM36/PM12	
m/p-Xylene	219											<5	ug/l	TM36/PM12	
o-Xylene	<5											<5	ug/l	TM36/PM12	
TPH CWG															
Aliphatics															
>C5-C6 (HS_1D_AL)	<10											<10	ug/l	TM36/PM12	
>C6-C8 (HS_1D_AL)	292											<10	ug/l	TM36/PM12	
>C8-C10 (HS_1D_AL)	3513											<10	ug/l	TM36/PM12	
>C10-C12 (EH_CU_1D_AL)	64104											<5	ug/l	TM5/PM16/PM30	
>C12-C16 (EH_CU_1D_AL)	227860											<10	ug/l	TM5/PM16/PM30	
>C16-C21 (EH_CU_1D_AL)	230530											<10	ug/l	TM5/PM16/PM30	
>C21-C35 (EH_CU_1D_AL)	68720											<10	ug/l	TM5/PM16/PM30	
Total aliphatics C5-35 (EH_CU+HS_1D_AL)	595019											<10	ug/l	TM5/PM16/PM12/PM16/PM30	
Aromatics															
>C5-EC7 (HS_1D_AR)	<10											<10	ug/l	TM36/PM12	
>EC7-EC8 (HS_1D_AR)	<10											<10	ug/l	TM36/PM12	
>EC8-EC10 (HS_1D_AR)	274											<10	ug/l	TM36/PM12	
>EC10-EC12 (EH_CU_1D_AR)	35013											<5	ug/l	TM5/PM16/PM30	
>EC12-EC16 (EH_CU_1D_AR)	236900											<10	ug/l	TM5/PM16/PM30	
>EC16-EC21 (EH_CU_1D_AR)	228620											<10	ug/l	TM5/PM16/PM30	
>EC21-EC35 (EH_CU_1D_AR)	68800											<10	ug/l	TM5/PM16/PM30	
Total aromatics C5-35 (EH_CU+HS_1D_AR)	569607											<10	ug/l	TM5/PM16/PM12/PM16/PM30	
Total aliphatics and aromatics(C5-35) (EH_CU+HS_1D_Total)	1164626											<10	ug/l	TM5/PM16/PM12/PM16/PM30	
									</						

Element Materials Technology

Client Name: EPS Ltd
Reference: UK26.7708
Location: Markfield Services
Contact: James Bowley
EMT Job No: 26/1359

Report : CEN 10:1 1 Batch

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

[illegible]

Mass of sample taken (kg)	0.1069	Moisture Content Ratio (%) =	18.7			
Mass of dry sample (kg) =	0.09	Dry Matter Content Ratio (%) =	84.2			
Particle Size <4mm =	>95%					
EMT Job No	26/1359		Landfill Waste Acceptance Criteria Limits			
Sample No	3					
Client Sample No	WS01 ES1		Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non- Hazardous Landfill	Hazardous Waste Landfill	
Depth/Other	0.40-0.50					
Sample Date	28/01/2026					
Batch No	1					
Solid Waste Analysis						
Total Organic Carbon (%)	1.70					3
Loss on Ignition (%)	5.6		-	-	10	
Sum of BTEX (mg/kg)	<0.025		6	-	-	
Sum of 7 PCBs (mg/kg)	<0.035		1	-	-	
Mineral Oil (mg/kg) (EH_CU_1D_AL)	<30		500	-	-	
PAH Sum of 17(mg/kg)	0.76		100	-	-	
pH (pH Units)	7.07		-	>6	-	
ANC to pH 7 (mol/kg)	-		-	to be evaluated	to be evaluated	
ANC to pH 4 (mol/kg)	-		-	to be evaluated	to be evaluated	
Eluate Analysis	10:1 conc ⁿ leached		Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg			
	C ₁₀	A ₁₀				
		mg/l	mg/kg	mg/kg		
	Arsenic	0.0046	0.046	0.5	2	25
Barium	0.007	0.07	20	100	300	
Cadmium	<0.0005	<0.005	0.04	1	5	
Chromium	<0.0015	<0.015	0.5	10	70	
Copper	<0.007	<0.07	2	50	100	
Mercury	<0.001	<0.01	0.01	0.2	2	
Molybdenum	0.007	0.07	0.5	10	30	
Nickel	<0.002	<0.02	0.4	10	40	
Lead	<0.005	<0.05	0.5	10	50	
Antimony	0.002	<0.02	0.06	0.7	5	
Selenium	<0.003	<0.03	0.1	0.5	7	
Zinc	0.004	0.04	4	50	200	
Chloride	1.0	10	800	15000	25000	
Fluoride	<0.3	<3	10	150	500	
Sulphate as SO4	<0.5	<5	1000	20000	50000	
Total Dissolved Solids	45	450	4000	60000	100000	
Phenol	<0.01	<0.1	1	-	-	
Dissolved Organic Carbon	13	130	500	800	1000	

Matrix : Solid

8 of 19

Matrix : Liquid

[illegible]

Client Name: EPS Ltd
Reference: UK26.7708
Location: Markfield Services
Contact: James Bowley

Note:

Asbestos Screen analysis is carried out in accordance with our documented in-house methods PM042 and TM065 and HSG 248 by Stereo and Polarised Light Microscopy using Dispersion Staining Techniques and is covered by our UKAS accreditation. Detailed Gravimetric Quantification and PCOM Fibre Analysis is carried out in accordance with our documented in-house methods PM042 and TM131 and HSG 248 using Stereo and Polarised Light Microscopy and Phase Contrast Optical Microscopy (PCOM). Asbestos sub-samples are retained for not less than 6 months from the date of analysis unless specifically requested.

The LOQ of the Asbestos Quantification is 0.001% dry fibre of dry mass of sample.

Where the sample is not taken by a Element Materials Technology consultant, Element Materials Technology cannot be responsible for inaccurate or unrepresentative sampling.

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analyst Name	Date Of Analysis	Analysis	Result
26/1359	1	WS01 ES1	0.40-0.50	4	Kieran Hubbard	04/02/2026	General Description (Bulk Analysis)	brown soil
					Kieran Hubbard	04/02/2026	Asbestos Fibres	NAD
					Kieran Hubbard	04/02/2026	Asbestos Fibres (2)	NAD
					Kieran Hubbard	04/02/2026	Asbestos ACM	NAD
					Kieran Hubbard	04/02/2026	Asbestos ACM (2)	NAD
					Kieran Hubbard	04/02/2026	Asbestos Type	NAD
					Kieran Hubbard	04/02/2026	Asbestos Type (2)	NAD
26/1359	1	WS02 ES2	0.40-0.60	24	Simon Postlewhite	04/02/2026	General Description (Bulk Analysis)	Brown soil/stones
					Simon Postlewhite	04/02/2026	Asbestos Fibres	NAD
					Simon Postlewhite	04/02/2026	Asbestos Fibres (2)	NAD
					Simon Postlewhite	04/02/2026	Asbestos ACM	NAD
					Simon Postlewhite	04/02/2026	Asbestos ACM (2)	NAD
					Simon Postlewhite	04/02/2026	Asbestos Type	NAD
					Simon Postlewhite	04/02/2026	Asbestos Type (2)	NAD

Client Name:	EPS Ltd
Reference:	UK26.7708
Location:	Markfield Services
Contact:	James Bowley

[illegible]

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating. Only analyses which are accredited are recorded as deviating if set criteria are not met.

It is a requirement under ISO 17025 that we inform clients if samples are deviating i.e. outside what is expected. A deviating sample indicates that the sample 'may' be compromised but not necessarily will be compromised. The result is still accredited and our analytical reports will still show accreditation on the relevant analytes.

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

EMT Job No.: 26/1359

SOILS and ASH

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary. Asbestos samples are retained for 6 months.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Limits of detection for analyses carried out on as received samples are not moisture content corrected. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C. Ash samples are dried at 35°C ±5°C.

Where Mineral Oil is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Sufficient amount of sample must be received to carry out the testing specified. Where an insufficient amount of sample has been received the testing may not meet the requirements of our accredited methods, as such accreditation may be removed.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCl (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

The calculation of Pyrite content assumes that all oxidisable sulphides present in the sample are pyrite. This may not be the case. The calculation may be an overestimate when other sulphides such as Barite (Barium Sulphate) are present.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 accreditation applies to surface water and groundwater and usually one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil is quoted, this refers to Total Aliphatics C10-C40.

STACK EMISSIONS

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation for Dioxins and Furans and Dioxin like PCBs has been performed on XAD-2 Resin, only samples which use this resin will be within our MCERTS scope.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

DEVIATING SAMPLES

All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. The temperature of sample receipt is recorded on the confirmation schedules in order that the client can make an informed decision as to whether testing should still be undertaken.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

BLANKS

Where analytes have been found in the blank, the sample will be treated in accordance with our laboratory procedure for dealing with contaminated blanks.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a requirement of our Accreditation Body for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

Laboratory records are kept for a period of no less than 6 years.

REPORTS FROM THE SOUTH AFRICA LABORATORY

Any method number not prefixed with SA has been undertaken in our UK laboratory unless reported as subcontracted.

Measurement Uncertainty

Measurement uncertainty defines the range of values that could reasonably be attributed to the measured quantity. This range of values has not been included within the reported results. Uncertainty expressed as a percentage can be provided upon request.

Customer Provided Information

Sample ID and depth is information provided by the customer.

Age of Diesel

The age of release estimation is based on the nC17/pristane ratio only as prescribed by Christensen and Larsen (1993) and Kaplan, Galperin, Alimi et al., (1996).

Age estimation should be treated with caution as it can be influenced by site specific factors of which the laboratory are not aware.

Tentatively Identified Compounds (TICs)

Where Tentatively Identified Compounds (TICs) are reported, up to 10 Tentatively Identified Compounds will be listed where there is found to be a greater than 80% match with the NIST library. The reported concentration is determined semi-quantitatively, with a matrix specific limit of detection.

Note, other compounds may be present but are not reported.

ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS Ref No. 4225) accredited - UK.
SA	ISO17025 (SANAS Ref No.T0729) accredited - South Africa
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
>>	Results above quantitative calibration range. The result should be considered the minimum value and is indicative only. The actual result could be significantly higher.
*	Analysis subcontracted to an Element Materials Technology approved laboratory.
CO	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
OC	Outside Calibration Range

HWOL ACRONYMS AND OPERATORS USED

HS	Headspace Analysis.
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent.
CU	Clean-up - e.g. by florisil, silica gel.
1D	GC - Single coil gas chromatography.
Total	Aliphatics & Aromatics.
AL	Aliphatics only.
AR	Aromatics only.
2D	GC-GC - Double coil gas chromatography.
#1	EH_Total but with humics mathematically subtracted
#2	EU_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +).
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry.

EMT Job No: 26/1359

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/ANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35 degrees Celsius or 105 degrees Celsius. Calculation based on ISO 11465:1993(E) and BS1377-2:1990.	PM0	No preparation is required.			AR	
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM16/PM30	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE/Water samples are extracted with solvent using a magnetic stirrer to create a vortex.				
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.				
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM8/PM16	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM8/PM16	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes		AR	Yes
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM8/PM16	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes	Yes	AR	Yes

EMT Job No: 26/1359

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/ANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM5/TM36	please refer to TM5 and TM36 for method details	PM12/PM16/PM30	please refer to PM16/PM30 and PM12 for method details				
TM5/TM36	please refer to TM5 and TM36 for method details	PM8/PM12/PM16	please refer to PM8/PM16 and PM12 for method details			AR	Yes
PM13	A visual examination of the solid sample is carried out to ascertain sample make up, colour and any other inclusions. This is not a geotechnical description.	PM0	No preparation is required.			AR	No
TM17	Modified US EPA method 8270D v5:2014. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM20	Modified BS 1377-3:1990/USEPA 160.1/3 (TDS/TS: 1971) Gravimetric determination of Total Dissolved Solids/Total Solids	PM0	No preparation is required.			AR	Yes
TM21	Modified BS 7755-3:1995, ISO10694:1995 Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection. Organic Matter (SOM) calculated as per EA MCERTS Chemical Testing of Soil.	PM24	Preparation of Soil and Marine Sediment Samples for Total Organic Carbon.			AD	Yes
TM21	Modified BS 7755-3:1995, ISO10694:1995 Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection. Organic Matter (SOM) calculated as per EA MCERTS Chemical Testing of Soil.	PM24	Preparation of Soil and Marine Sediment Samples for Total Organic Carbon.	Yes		AD	Yes
TM22	Modified BS1377-3:1990 Gravimetric determination of Loss on Ignition by temperature controlled Muffle Furnace (35C-440C). On request modified ASTM D2974-00 LOI (105C-440C)	PM0	No preparation is required.	Yes		AD	Yes
TM26	Determination of phenols by Reversed Phased High Performance Liquid Chromatography and Electro-Chemical Detection.	PM0	No preparation is required.			AR	Yes
TM26	Determination of phenols by Reversed Phased High Performance Liquid Chromatography and Electro-Chemical Detection.	PM21B	As Received samples are extracted in Methanol: Water (60:40) by reciprocal shaker.			AR	Yes

EMT Job No: 26/1359

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/ANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma-Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP 6010B, Rev.2, Dec.1996; Modified EPA Method 3050B, Rev.2, Dec.1996	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 degrees Celsius. Samples containing asbestos are not dried and ground.			AD	Yes
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma-Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP 6010B, Rev.2, Dec.1996; Modified EPA Method 3050B, Rev.2, Dec.1996	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 degrees Celsius. Samples containing asbestos are not dried and ground.	Yes	Yes	AD	Yes
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma-Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP 6010B, Rev.2, Dec.1996; Modified EPA Method 3050B, Rev.2, Dec.1996	PM17	Modified method BS EN12457-2:2002 As received solid samples are leached with water in a 10:1 water to soil ratio for 24 hours, the moisture content of the sample is included in the ratio.	Yes		AR	Yes
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GC/FID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.				
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GC/FID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GC/FID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) - All anions comparable to BS ISO 15923-1: 2013I	PM0	No preparation is required.	Yes		AR	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) - All anions comparable to BS ISO 15923-1: 2013I	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.	Yes	Yes	AD	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) - All anions comparable to BS ISO 15923-1: 2013I	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.	Yes		AR	Yes
TM50	Acid soluble sulphate (Total Sulphate) analysed by ICP-OES	PM29	A hot hydrochloric acid digest is performed on a dried and ground sample, and the resulting liquor is analysed.	Yes	Yes	AD	Yes

EMT Job No: 26/1359

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/ANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM60	TC/TOC analysis of Waters by High Temperature Combustion followed by NDIR detection. Based on the following modified standard methods: USEPA 9060A (2002), APHA SMEWW 5310B:1999 22nd Edition, ASTM D 7573, and USEPA 415.1.	PM0	No preparation is required.			AR	Yes
TM65	Asbestos Bulk Identification method based on HSG 248 Second edition (2021)	PM42	Modified SCA Blue Book V.12 draft 2017 and WM3 1st Edition v1.1:2018. Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.	Yes		AR	
TM73	Modified US EPA methods 150.1 (1982) and 9045D Rev. 4 - 2004) and BS1377-3:1990. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes	Yes	AR	No
TM89	Modified USEPA method OIA-1667 (1999). Determination of cyanide by Flow Injection Analyser. Where WAD cyanides are required a Ligand displacement step is carried out before analysis.	PM45	As received solid samples are extracted with 1M NaOH by orbital shaker for Cyanide, Sulphide and Thiocyanate analysis.	Yes	Yes	AR	Yes
TM173	Analysis of fluoride by ISE (Ion Selective Electrode) using modified ISE method 9214 - 340.2 (EPA 1998)	PM0	No preparation is required.			AR	Yes
NONE	No Method Code	NONE	No Method Code			AD	Yes
NONE	No Method Code	PM17	Modified method BS EN12457-2:2002 As received solid samples are leached with water in a 10:1 water to soil ratio for 24 hours, the moisture content of the sample is included in the ratio.				
NONE	No Method Code	PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35 degrees Celsius or 105 degrees Celsius. Calculation based on ISO 11465:1993(E) and BS1377-2:1990.			AR	

EPS Ltd
7B Caxton House
Broad Street
Cambourne
Cambridgeshire
United Kingdom
CB23 6JN



4225



Attention : James Bowley
Date : 9th February, 2026
Your reference : UK26.7708
Our reference : Test Report 26/1472 Batch 1
Location : Markfield Services
Date samples received : 31st January, 2026
Status : Final Report
Issue : 202602091624

Sixteen samples were received for analysis on 31st January, 2026 of which nine were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

The greenhouse gas emissions generated (in Carbon – Co2e) to obtain the results in this report are estimated as:

Scope 1&2 emissions - 28.308 kg of CO2

Scope 1&2&3 emissions - 66.9 kg of CO2

Authorised By:



Bruce Leslie
Project Manager

Please include all sections of this report if it is reproduced

Client Name: EPS Ltd
Reference: UK26.7708
Location: Markfield Services
Contact: James Bowley
EMT Job No: 26/1472

Solids: V=60g VOC jar. J=250g glass jar. T=plastic tub

Please see attached notes for all abbreviations and acronyms

Element Materials Technology

Client Name: EPS Ltd
Reference: UK26.7708
Location: Markfield Services
Contact: James Bowley
EMT Job No: 26/1472

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	1-4	9-12	13-16	29-32	37-40	41-44	49-52	53-56	61-64		Please see attached notes for all abbreviations and acronyms		
Sample ID	WS03 ES1	WS04 ES2	WS05 ES1	WS07 ES2	WS08 ES2	WS09 ES1	WS09 ES3	WS10 ES1	WS11 ES1				
Depth	0.90-1.10	1.60-1.80	0.70-0.90	2.10-2.30	0.50-0.70	0.10-0.30	1.40-1.60	0.00-0.30	0.45-0.60				
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T				
Sample Date	28/01/2026	28/01/2026	28/01/2026	29/01/2026	29/01/2026	29/01/2026	29/01/2026	29/01/2026	29/01/2026				
Sample Type	Sand	Clay	Clay	Clayey Sand	Clay	Clay	Clay	Clayey Loam	Clay				
Batch Number	1	1	1	1	1	1	1	1	1				
Date of Receipt	31/01/2026	31/01/2026	31/01/2026	31/01/2026	31/01/2026	31/01/2026	31/01/2026	31/01/2026	31/01/2026		LOD/LOR	Units	Method No.
TPH CWG													
Aliphatics													
>C5-C6 (HS_1D_AL) ^{#M}	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1		<0.1	mg/kg	TM36/PM12
>C6-C8 (HS_1D_AL) ^{#M}	3.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1		<0.1	mg/kg	TM36/PM12
>C8-C10 (HS_1D_AL) ^{#M}	29.3	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1		<0.1	mg/kg	TM36/PM12
>C10-C12 (EH_CU_1D_AL) ^{#M}	156.9	<0.2	<0.2	<0.2	1.9	-	<0.2	-	<0.2		<0.2	mg/kg	TM5/PM8/PM16
>C12-C16 (EH_CU_1D_AL) ^{#M}	576	38	<4	<4	27	-	<4	-	<4		<4	mg/kg	TM5/PM8/PM16
>C16-C21 (EH_CU_1D_AL) ^{#M}	597	<7	<7	<7	22	-	<7	-	<7		<7	mg/kg	TM5/PM8/PM16
>C21-C35 (EH_CU_1D_AL) ^{#M}	194	<7	<7	<7	<7	-	<7	-	<7		<7	mg/kg	TM5/PM8/PM16
>C35-C40 (EH_CU_1D_AL)	<7	<7	<7	<7	<7	-	<7	-	<7		<7	mg/kg	TM5/PM8/PM16
Total aliphatics C5-40 (EH_CU+HS_1D_AL)	1556	38	<26	<26	51	-	<26	-	<26		<26	mg/kg	TM5/PM8/PM16/PM12/PM10
Aromatics													
>C5-EC7 (HS_1D_AR) ^{#M}	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1		<0.1	mg/kg	TM36/PM12
>EC7-EC8 (HS_1D_AR) ^{#M}	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1		<0.1	mg/kg	TM36/PM12
>EC8-EC10 (HS_1D_AR) ^{#M}	1.8	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1		<0.1	mg/kg	TM36/PM12
>EC10-EC12 (EH_CU_1D_AR) [#]	38.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	-	<0.2		<0.2	mg/kg	TM5/PM8/PM16
>EC12-EC16 (EH_CU_1D_AR) [#]	278	44	<4	<4	<4	-	<4	-	<4		<4	mg/kg	TM5/PM8/PM16
>EC16-EC21 (EH_CU_1D_AR) [#]	282	11	<7	<7	<7	-	<7	-	<7		<7	mg/kg	TM5/PM8/PM16
>EC21-EC35 (EH_CU_1D_AR) [#]	84	48	<7	<7	40	-	<7	-	<7		<7	mg/kg	TM5/PM8/PM16
>EC35-EC40 (EH_CU_1D_AR)	<7	<7	<7	<7	<7	-	<7	-	<7		<7	mg/kg	TM5/PM8/PM16
Total aromatics C5-40 (EH_CU+HS_1D_AR)	684	103	<26	<26	40	-	<26	-	<26		<26	mg/kg	TM5/PM8/PM16/PM12/PM10
Total aliphatics and aromatics(C5-40) (EH_CU+HS_1D_Total)	2240	141	<52	<52	91	-	<52	-	<52		<52	mg/kg	TM5/PM8/PM16/PM12/PM10
MTBE ^{#M}	<5	<5	<5	<5	<5	-	<5	-	<5		<5	ug/kg	TM36/PM12
Benzene ^{#M}	<5	<5	<5	<5	<5	-	<5	-	<5		<5	ug/kg	TM36/PM12
Toluene ^{#M}	<5	<5	<5	<5	<5	-	<5	-	<5		<5	ug/kg	TM36/PM12
Ethylbenzene ^{#M}	370	<5	<5	<5	<5	-	<5	-	<5		<5	ug/kg	TM36/PM12
m/p-Xylene ^{#M}	1460	<5	<5	<5	<5	-	<5	-	<5		<5	ug/kg	TM36/PM12
o-Xylene ^{#M}	<5	<5	<5	<5	<5	-	<5	-	<5		<5	ug/kg	TM36/PM12
PCB 28 [#]	-	-	-	<5	-	-	<5	-	-		<5	ug/kg	TM17/PM8
PCB 52 [#]	-	-	-	<5	-	-	<5	-	-		<5	ug/kg	TM17/PM8
PCB 101 [#]	-	-	-	<5	-	-	<5	-	-		<5	ug/kg	TM17/PM8
PCB 118 [#]	-	-	-	<5	-	-	<5	-	-		<5	ug/kg	TM17/PM8
PCB 138 [#]	-	-	-	<5	-	-	<5	-	-		<5	ug/kg	TM17/PM8
PCB 153 [#]	-	-	-	<5	-	-	<5	-	-		<5	ug/kg	TM17/PM8
PCB 180 [#]	-	-	-	<5	-	-	<5	-	-		<5	ug/kg	TM17/PM8
Total 7 PCBs [#]	-	-	-	<35	-	-	<35	-	-		<35	ug/kg	TM17/PM8
Total Phenols HPLC	-	-	-	-	<0.15	<0.15	-	<0.15	<0.15		<0.15	mg/kg	TM26/PM21B
Natural Moisture Content	18.2	26.2	13.8	9.3	20.8	18.9	11.6	21.1	16.7		<0.1	%	PM4/PM0
Hexavalent Chromium [#]	-	-	-	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3		<0.3	mg/kg	TM38/PM20

Client Name: EPS Ltd
Reference: UK26.7708
Location: Markfield Services
Contact: James Bowley
EMT Job No: 26/1472

Solids: V=60g VOC jar. J=250g glass jar. T=plastic tub

Please see attached notes for all abbreviations and acronyms

Element Materials Technology

Client Name: EPS Ltd
Reference: UK26.7708
Location: Markfield Services
Contact: James Bowley
EMT Job No: 26/1472

Report : CEN 10:1 1 Batch

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

[illegible]

Mass of sample taken (kg)	0.1006	Moisture Content Ratio (%) =	11.2
Mass of dry sample (kg) =	0.09	Dry Matter Content Ratio (%) =	89.9
Particle Size <4mm =	>95%		
EMT Job No	26/1472	Landfill Waste Acceptance Criteria Limits	
Sample No	31		
Client Sample No	WS07 ES2		
Depth/Other	2.10-2.30		
Sample Date	29/01/2026		
Batch No	1		
Solid Waste Analysis		Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non- Hazardous Landfill
Total Organic Carbon (%)	0.03	3	5
Loss on Ignition (%)	1.6	-	10
Sum of BTEX (mg/kg)	<0.025	6	-
Sum of 7 PCBs (mg/kg)	<0.035	1	-
Mineral Oil (mg/kg) (EH_CU_1D_AL)	<30	500	-
PAH Sum of 17(mg/kg)	<0.64	100	-
pH (pH Units)	7.88	-	>6
ANC to pH 7 (mol/kg)	-	-	to be evaluated
ANC to pH 4 (mol/kg)	-	-	to be evaluated
Eluate Analysis	10:1 conc ⁿ leached		Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg
	C ₁₀ mg/l	A ₁₀ mg/kg	
Arsenic	<0.0025	<0.025	0.5
Barium	0.003	0.03	2
Cadmium	<0.0005	<0.005	100
Chromium	<0.0015	<0.015	0.04
Copper	<0.007	<0.07	1
Mercury	<0.001	<0.01	5
Molybdenum	<0.002	<0.02	0.5
Nickel	<0.002	<0.02	10
Lead	<0.005	<0.05	0.4
Antimony	0.002	0.02	10
Selenium	<0.003	<0.03	0.5
Zinc	0.003	0.03	50
Chloride	<0.3	<3	0.06
Fluoride	<0.3	<3	0.7
Sulphate as SO ₄	<0.5	<5	5
Total Dissolved Solids	<35	<350	0.1
Phenol	<0.01	<0.1	0.5
Dissolved Organic Carbon	<2	<20	7
			4
			50
			200
			800
			15000
			25000
			10
			150
			500
			1000
			20000
			50000
			4000
			60000
			100000
			1
			-
			-
			500
			800
			1000

Mass of sample taken (kg)	0.1002	Moisture Content Ratio (%) =	10.9
Mass of dry sample (kg) =	0.09	Dry Matter Content Ratio (%) =	90.2
Particle Size <4mm =	>95%		
EMT Job No	26/1472	Landfill Waste Acceptance Criteria Limits	
Sample No	51		
Client Sample No	WS09 ES3		
Depth/Other	1.40-1.60		
Sample Date	29/01/2026		
Batch No	1		
Solid Waste Analysis		Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non- Hazardous Landfill
Total Organic Carbon (%)	0.04	3	5
Loss on Ignition (%)	2.7	-	10
Sum of BTEX (mg/kg)	<0.025	6	-
Sum of 7 PCBs (mg/kg)	<0.035	1	-
Mineral Oil (mg/kg) (EH_CU_1D_AL)	<30	500	-
PAH Sum of 17(mg/kg)	<0.64	100	-
pH (pH Units)	7.21	-	>6
ANC to pH 7 (mol/kg)	-	-	to be evaluated
ANC to pH 4 (mol/kg)	-	-	to be evaluated
Eluate Analysis	10:1 conc ⁿ leached		Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg
	C ₁₀ mg/l	A ₁₀ mg/kg	
Arsenic	<0.0025	<0.025	0.5
Barium	0.022	0.22	2
Cadmium	<0.0005	<0.005	100
Chromium	<0.0015	<0.015	0.04
Copper	<0.007	<0.07	1
Mercury	<0.001	<0.01	0.5
Molybdenum	<0.002	<0.02	10
Nickel	<0.002	<0.02	0.4
Lead	<0.005	<0.05	10
Antimony	<0.002	<0.02	0.5
Selenium	<0.003	<0.03	0.06
Zinc	0.003	<0.03	0.7
Chloride	<0.3	<3	5
Fluoride	<0.3	<3	0.1
Sulphate as SO ₄	22.8	228	0.5
Total Dissolved Solids	56	560	4
Phenol	<0.01	<0.1	50
Dissolved Organic Carbon	<2	<20	800

Matrix : Solid

8 of 19

Client Name: EPS Ltd
Reference: UK26.7708
Location: Markfield Services
Contact: James Bowley

Note:

Asbestos Screen analysis is carried out in accordance with our documented in-house methods PM042 and TM065 and HSG 248 by Stereo and Polarised Light Microscopy using Dispersion Staining Techniques and is covered by our UKAS accreditation. Detailed Gravimetric Quantification and PCOM Fibre Analysis is carried out in accordance with our documented in-house methods PM042 and TM131 and HSG 248 using Stereo and Polarised Light Microscopy and Phase Contrast Optical Microscopy (PCOM). Asbestos sub-samples are retained for not less than 6 months from the date of analysis unless specifically requested.

The LOQ of the Asbestos Quantification is 0.001% dry fibre of dry mass of sample.

Where the sample is not taken by a Element Materials Technology consultant, Element Materials Technology cannot be responsible for inaccurate or unrepresentative sampling.

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analyst Name	Date Of Analysis	Analysis	Result
26/1472	1	WS07 ES2	2.10-2.30	32	Charlotte Taylor	04/02/2026	General Description (Bulk Analysis)	brown orange soil/stones
					Charlotte Taylor	04/02/2026	Asbestos Fibres	NAD
					Charlotte Taylor	04/02/2026	Asbestos Fibres (2)	NAD
					Charlotte Taylor	04/02/2026	Asbestos ACM	NAD
					Charlotte Taylor	04/02/2026	Asbestos ACM (2)	NAD
					Charlotte Taylor	04/02/2026	Asbestos Type	NAD
					Charlotte Taylor	04/02/2026	Asbestos Type (2)	NAD
26/1472	1	WS08 ES2	0.50-0.70	40	Caoimhe Anders	04/02/2026	General Description (Bulk Analysis)	Brown soil, stones
					Caoimhe Anders	04/02/2026	Asbestos Fibres	NAD
					Caoimhe Anders	04/02/2026	Asbestos ACM	NAD
					Caoimhe Anders	04/02/2026	Asbestos Type	NAD
26/1472	1	WS09 ES1	0.10-0.30	44	Miriam Silverlock	04/02/2026	General Description (Bulk Analysis)	Brown soil, stones
					Miriam Silverlock	04/02/2026	Asbestos Fibres	NAD
					Miriam Silverlock	04/02/2026	Asbestos ACM	NAD
					Miriam Silverlock	04/02/2026	Asbestos Type	NAD
26/1472	1	WS09 ES3	1.40-1.60	52	Matthew Turner	04/02/2026	General Description (Bulk Analysis)	Brown soil/Stone
					Matthew Turner	04/02/2026	Asbestos Fibres	NAD
					Matthew Turner	04/02/2026	Asbestos Fibres (2)	NAD
					Matthew Turner	04/02/2026	Asbestos ACM	NAD
					Matthew Turner	04/02/2026	Asbestos ACM (2)	NAD
					Matthew Turner	04/02/2026	Asbestos Type	NAD
					Matthew Turner	04/02/2026	Asbestos Type (2)	NAD
26/1472	1	WS10 ES1	0.00-0.30	56	Charlotte Taylor	04/02/2026	General Description (Bulk Analysis)	brown soil/stones
					Charlotte Taylor	04/02/2026	Asbestos Fibres	NAD
					Charlotte Taylor	04/02/2026	Asbestos Fibres (2)	NAD
					Charlotte Taylor	04/02/2026	Asbestos ACM	NAD
					Charlotte Taylor	04/02/2026	Asbestos ACM (2)	NAD
					Charlotte Taylor	04/02/2026	Asbestos Type	NAD
					Charlotte Taylor	04/02/2026	Asbestos Type (2)	NAD
26/1472	1	WS11 ES1	0.45-0.60	64	Matthew Turner	04/02/2026	General Description (Bulk Analysis)	Brown soil/Stone
					Matthew Turner	04/02/2026	Asbestos Fibres	NAD
					Matthew Turner	04/02/2026	Asbestos Fibres (2)	NAD
					Matthew Turner	04/02/2026	Asbestos ACM	NAD
					Matthew Turner	04/02/2026	Asbestos ACM (2)	NAD

Client Name: EPS Ltd
Reference: UK26.7708
Location: Markfield Services
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[illegible]

Client Name:	EPS Ltd
Reference:	UK26.7708
Location:	Markfield Services
Contact:	James Bowley

[illegible]

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating. Only analyses which are accredited are recorded as deviating if set criteria are not met.

It is a requirement under ISO 17025 that we inform clients if samples are deviating i.e. outside what is expected. A deviating sample indicates that the sample 'may' be compromised but not necessarily will be compromised. The result is still accredited and our analytical reports will still show accreditation on the relevant analytes.

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

EMT Job No.: 26/1472

SOILS and ASH

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary. Asbestos samples are retained for 6 months.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Limits of detection for analyses carried out on as received samples are not moisture content corrected. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C. Ash samples are dried at 35°C ±5°C.

Where Mineral Oil is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Sufficient amount of sample must be received to carry out the testing specified. Where an insufficient amount of sample has been received the testing may not meet the requirements of our accredited methods, as such accreditation may be removed.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCl (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

The calculation of Pyrite content assumes that all oxidisable sulphides present in the sample are pyrite. This may not be the case. The calculation may be an overestimate when other sulphides such as Barite (Barium Sulphate) are present.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 accreditation applies to surface water and groundwater and usually one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil is quoted, this refers to Total Aliphatics C10-C40.

STACK EMISSIONS

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation for Dioxins and Furans and Dioxin like PCBs has been performed on XAD-2 Resin, only samples which use this resin will be within our MCERTS scope.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

DEVIATING SAMPLES

All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. The temperature of sample receipt is recorded on the confirmation schedules in order that the client can make an informed decision as to whether testing should still be undertaken.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

BLANKS

Where analytes have been found in the blank, the sample will be treated in accordance with our laboratory procedure for dealing with contaminated blanks.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a requirement of our Accreditation Body for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

Laboratory records are kept for a period of no less than 6 years.

REPORTS FROM THE SOUTH AFRICA LABORATORY

Any method number not prefixed with SA has been undertaken in our UK laboratory unless reported as subcontracted.

Measurement Uncertainty

Measurement uncertainty defines the range of values that could reasonably be attributed to the measured quantity. This range of values has not been included within the reported results. Uncertainty expressed as a percentage can be provided upon request.

Customer Provided Information

Sample ID and depth is information provided by the customer.

Age of Diesel

The age of release estimation is based on the nC17/pristane ratio only as prescribed by Christensen and Larsen (1993) and Kaplan, Galperin, Alimi et al., (1996).

Age estimation should be treated with caution as it can be influenced by site specific factors of which the laboratory are not aware.

Tentatively Identified Compounds (TICs)

Where Tentatively Identified Compounds (TICs) are reported, up to 10 Tentatively Identified Compounds will be listed where there is found to be a greater than 80% match with the NIST library. The reported concentration is determined semi-quantitatively, with a matrix specific limit of detection.

Note, other compounds may be present but are not reported.

ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS Ref No. 4225) accredited - UK.
SA	ISO17025 (SANAS Ref No.T0729) accredited - South Africa
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
>>	Results above quantitative calibration range. The result should be considered the minimum value and is indicative only. The actual result could be significantly higher.
*	Analysis subcontracted to an Element Materials Technology approved laboratory.
CO	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
OC	Outside Calibration Range

HWOL ACRONYMS AND OPERATORS USED

HS	Headspace Analysis.
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent.
CU	Clean-up - e.g. by florisil, silica gel.
1D	GC - Single coil gas chromatography.
Total	Aliphatics & Aromatics.
AL	Aliphatics only.
AR	Aromatics only.
2D	GC-GC - Double coil gas chromatography.
#1	EH_Total but with humics mathematically subtracted
#2	EU_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +).
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry.

EMT Job No: 26/1472

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/ANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35 degrees Celsius or 105 degrees Celsius. Calculation based on ISO 11465:1993(E) and BS1377-2:1990.	PM0	No preparation is required.			AR	
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM8/PM16	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM8/PM16	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes		AR	Yes
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM8/PM16	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes	Yes	AR	Yes
TM5/TM36	please refer to TM5 and TM36 for method details	PM8/PM12/PM16	please refer to PM8/PM16 and PM12 for method details			AR	Yes
PM13	A visual examination of the solid sample is carried out to ascertain sample make up, colour and any other inclusions. This is not a geotechnical description.	PM0	No preparation is required.			AR	No

EMT Job No: 26/1472

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/ANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM17	Modified US EPA method 8270D v5:2014. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM20	Modified BS 1377-3:1990/USEPA 160.1/3 (TDS/TS: 1971) Gravimetric determination of Total Dissolved Solids/Total Solids	PM0	No preparation is required.			AR	Yes
TM21	Modified BS 7755-3:1995, ISO10694:1995 Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO ₂ generated is quantified using infra-red detection. Organic Matter (SOM) calculated as per EA MCERTS Chemical Testing of Soil.	PM24	Preparation of Soil and Marine Sediment Samples for Total Organic Carbon.			AD	Yes
TM21	Modified BS 7755-3:1995, ISO10694:1995 Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO ₂ generated is quantified using infra-red detection. Organic Matter (SOM) calculated as per EA MCERTS Chemical Testing of Soil.	PM24	Preparation of Soil and Marine Sediment Samples for Total Organic Carbon.	Yes		AD	Yes
TM22	Modified BS1377-3:1990 Gravimetric determination of Loss on Ignition by temperature controlled Muffle Furnace (35C-440C). On request modified ASTM D2974-00 LOI (105C-440C)	PM0	No preparation is required.	Yes		AD	Yes
TM26	Determination of phenols by Reversed Phased High Performance Liquid Chromatography and Electro-Chemical Detection.	PM0	No preparation is required.			AR	Yes
TM26	Determination of phenols by Reversed Phased High Performance Liquid Chromatography and Electro-Chemical Detection.	PM21B	As Received samples are extracted in Methanol: Water (60:40) by reciprocal shaker.			AR	Yes
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma-Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP 6010B, Rev.2, Dec.1996; Modified EPA Method 3050B, Rev.2, Dec.1996	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 degrees Celsius. Samples containing asbestos are not dried and ground.			AD	Yes
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma-Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP 6010B, Rev.2, Dec.1996; Modified EPA Method 3050B, Rev.2, Dec.1996	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 degrees Celsius. Samples containing asbestos are not dried and ground.	Yes	Yes	AD	Yes
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma-Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP 6010B, Rev.2, Dec.1996; Modified EPA Method 3050B, Rev.2, Dec.1996	PM17	Modified method BS EN12457-2:2002 As received solid samples are leached with water in a 10:1 water to soil ratio for 24 hours, the moisture content of the sample is included in the ratio.	Yes		AR	Yes

EMT Job No: 26/1472

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/ANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GCFID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GCFID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) - All anions comparable to BS ISO 15923-1: 2013I	PM0	No preparation is required.	Yes		AR	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) - All anions comparable to BS ISO 15923-1: 2013I	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.	Yes	Yes	AD	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) - All anions comparable to BS ISO 15923-1: 2013I	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.	Yes		AR	Yes
TM50	Acid soluble sulphate (Total Sulphate) analysed by ICP-OES	PM29	A hot hydrochloric acid digest is performed on a dried and ground sample, and the resulting liquor is analysed.	Yes	Yes	AD	Yes
TM60	TC/TOC analysis of Waters by High Temperature Combustion followed by NDIR detection. Based on the following modified standard methods: USEPA 9060A (2002), APHA SMEWW 5310B:1999 22nd Edition, ASTM D 7573, and USEPA 415.1.	PM0	No preparation is required.			AR	Yes
TM65	Asbestos Bulk Identification method based on HSG 248 Second edition (2021)	PM42	Modified SCA Blue Book V.12 draft 2017 and WM3 1st Edition v1.1:2018. Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.	Yes		AR	
TM73	Modified US EPA methods 150.1 (1982) and 9045D Rev. 4 - 2004) and BS1377-3:1990. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes	Yes	AR	No
TM89	Modified USEPA method OIA-1667 (1999). Determination of cyanide by Flow Injection Analyser. Where WAD cyanides are required a Ligand displacement step is carried out before analysis.	PM45	As received solid samples are extracted with 1M NaOH by orbital shaker for Cyanide, Sulphide and Thiocyanate analysis.	Yes	Yes	AR	Yes

EMT Job No: 26/1472

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/S ANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM173	Analysis of fluoride by ISE (Ion Selective Electrode) using modified ISE method 9214 - 340.2 (EPA 1998)	PM0	No preparation is required.			AR	Yes
NONE	No Method Code	NONE	No Method Code			AD	Yes
NONE	No Method Code	PM17	Modified method BS EN12457-2:2002 As received solid samples are leached with water in a 10:1 water to soil ratio for 24 hours, the moisture content of the sample is included in the ratio.				
NONE	No Method Code	PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35 degrees Celsius or 105 degrees Celsius. Calculation based on ISO 11465:1993(E) and BS1377-2:1990.			AR	

EPS Ltd
7B Caxton House
Broad Street
Cambourne
Cambridgeshire
United Kingdom
CB23 6JN



4225



Attention : James Bowley
Date : 24th February, 2026
Your reference : UK26.7708
Our reference : Test Report 26/2209 Batch 1
Location : Markfield Service Station
Date samples received : 12th February, 2026
Status : Final Report
Issue : 202602240958

Five samples were received for analysis on 12th February, 2026 of which five were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

The greenhouse gas emissions generated (in Carbon – Co2e) to obtain the results in this report are estimated as:

Scope 1&2 emissions - 3.982 kg of CO2

Scope 1&2&3 emissions - 9.411 kg of CO2

Authorised By:



Phil Sommerton BSc

Senior Technical Account Manager

Please include all sections of this report if it is reproduced

Element Materials Technology

Client Name: EPS Ltd
Reference: UK26.7708
Location: Markfield Service Station
Contact: James Bowley
EMT Job No: 26/2209

Report : Liquid

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle
 H=H₂SO₄, Z=ZnAc, N=NaOH, HN=HN0₃

EMT Sample No.	1-3	4-6	7-9	10-12	13-15						Please see attached notes for all abbreviations and acronyms		
Sample ID	WS01	WS02	WS04	WS05	WS06								
Depth													
COC No / misc													
Containers	V G	V G	V G	V G	V G								
Sample Date	11/02/2026	11/02/2026	11/02/2026	11/02/2026	11/02/2026								
Sample Type	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water								
Batch Number	1	1	1	1	1						LOD/LOR	Units	Method No.
Date of Receipt	12/02/2026	12/02/2026	12/02/2026	12/02/2026	12/02/2026								
MTBE #	<5	<5	10	<5	6						<5	ug/l	TM36/PM12
Benzene #	<5	<5	<5	<5	<5						<5	ug/l	TM36/PM12
Toluene #	<5	<5	<5	<5	<5						<5	ug/l	TM36/PM12
Ethylbenzene #	<5	<5	<5	<5	<5						<5	ug/l	TM36/PM12
m/p-Xylene #	<5	<5	<5	<5	<5						<5	ug/l	TM36/PM12
o-Xylene #	<5	<5	<5	<5	<5						<5	ug/l	TM36/PM12
TPH CWG													
Aliphatics													
>C5-C6 (HS_1D_AL) #	<10	<10	<10	<10	<10						<10	ug/l	TM36/PM12
>C6-C8 (HS_1D_AL) #	<10	<10	<10	<10	<10						<10	ug/l	TM36/PM12
>C8-C10 (HS_1D_AL) #	<10	27	<10	<10	<10						<10	ug/l	TM36/PM12
>C10-C12 (EH_CU_1D_AL) #	<5	609	<5	<5	<5						<5	ug/l	TM5/PM16/PM30
>C12-C16 (EH_CU_1D_AL) #	<10	2660	<10	<10	<10						<10	ug/l	TM5/PM16/PM30
>C16-C21 (EH_CU_1D_AL) #	<10	2920	<10	<10	<10						<10	ug/l	TM5/PM16/PM30
>C21-C35 (EH_CU_1D_AL) #	<10	1540	<10	<10	<10						<10	ug/l	TM5/PM16/PM30
Total aliphatics C5-35 (EH_CU+HS_1D_AL) #	<10	7756	<10	<10	<10						<10	ug/l	TM5/PM16/PM30
Aromatics													
>C5-EC7 (HS_1D_AR) #	<10	<10	<10	<10	<10						<10	ug/l	TM36/PM12
>EC7-EC8 (HS_1D_AR) #	<10	<10	<10	<10	<10						<10	ug/l	TM36/PM12
>EC8-EC10 (HS_1D_AR) #	<10	<10	<10	<10	<10						<10	ug/l	TM36/PM12
>EC10-EC12 (EH_CU_1D_AR) #	<5	374	<5	<5	<5						<5	ug/l	TM5/PM16/PM30
>EC12-EC16 (EH_CU_1D_AR) #	<10	1890	<10	<10	<10						<10	ug/l	TM5/PM16/PM30
>EC16-EC21 (EH_CU_1D_AR) #	<10	2000	<10	<10	<10						<10	ug/l	TM5/PM16/PM30
>EC21-EC35 (EH_CU_1D_AR) #	<10	630	<10	<10	<10						<10	ug/l	TM5/PM16/PM30
Total aromatics C5-35 (EH_CU+HS_1D_AR) #	<10	4894	<10	<10	<10						<10	ug/l	TM5/PM16/PM30
Total aliphatics and aromatics(C5-35) (EH_CU+HS_1D_Total) #	<10	12650	<10	<10	<10						<10	ug/l	TM5/PM16/PM30

Matrix : Liquid

[illegible]

Client Name:	EPS Ltd
Reference:	UK26.7708
Location:	Markfield Service Station
Contact:	James Bowley

[illegible]

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating. Only analyses which are accredited are recorded as deviating if set criteria are not met.

It is a requirement under ISO 17025 that we inform clients if samples are deviating i.e. outside what is expected. A deviating sample indicates that the sample 'may' be compromised but not necessarily will be compromised. The result is still accredited and our analytical reports will still show accreditation on the relevant analytes.

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

EMT Job No.: 26/2209

SOILS and ASH

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary. Asbestos samples are retained for 6 months.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Limits of detection for analyses carried out on as received samples are not moisture content corrected. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C. Ash samples are dried at 35°C ±5°C.

Where Mineral Oil is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Sufficient amount of sample must be received to carry out the testing specified. Where an insufficient amount of sample has been received the testing may not meet the requirements of our accredited methods, as such accreditation may be removed.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCl (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

The calculation of Pyrite content assumes that all oxidisable sulphides present in the sample are pyrite. This may not be the case. The calculation may be an overestimate when other sulphides such as Barite (Barium Sulphate) are present.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 accreditation applies to surface water and groundwater and usually one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil is quoted, this refers to Total Aliphatics C10-C40.

STACK EMISSIONS

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation for Dioxins and Furans and Dioxin like PCBs has been performed on XAD-2 Resin, only samples which use this resin will be within our MCERTS scope.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

DEVIATING SAMPLES

All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. The temperature of sample receipt is recorded on the confirmation schedules in order that the client can make an informed decision as to whether testing should still be undertaken.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

BLANKS

Where analytes have been found in the blank, the sample will be treated in accordance with our laboratory procedure for dealing with contaminated blanks.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a requirement of our Accreditation Body for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

Laboratory records are kept for a period of no less than 6 years.

REPORTS FROM THE SOUTH AFRICA LABORATORY

Any method number not prefixed with SA has been undertaken in our UK laboratory unless reported as subcontracted.

Measurement Uncertainty

Measurement uncertainty defines the range of values that could reasonably be attributed to the measured quantity. This range of values has not been included within the reported results. Uncertainty expressed as a percentage can be provided upon request.

Customer Provided Information

Sample ID and depth is information provided by the customer.

Age of Diesel

The age of release estimation is based on the nC17/pristane ratio only as prescribed by Christensen and Larsen (1993) and Kaplan, Galperin, Alimi et al., (1996).

Age estimation should be treated with caution as it can be influenced by site specific factors of which the laboratory are not aware.

Tentatively Identified Compounds (TICs)

Where Tentatively Identified Compounds (TICs) are reported, up to 10 Tentatively Identified Compounds will be listed where there is found to be a greater than 80% match with the NIST library. The reported concentration is determined semi-quantitatively, with a matrix specific limit of detection.

Note, other compounds may be present but are not reported.

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HWOL ACRONYMS AND OPERATORS USED

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Total	Aliphatics & Aromatics.
AL	Aliphatics only.
AR	Aromatics only.
2D	GC-GC - Double coil gas chromatography.
#1	EH_Total but with humics mathematically subtracted
#2	EU_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +).
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry.

EMT Job No: 26/2209

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/S ANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM16/PM30	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE/Water samples are extracted with solvent using a magnetic stirrer to create a vortex.	Yes			
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.				
TM5/TM36	please refer to TM5 and TM36 for method details	PM12/PM16/PM30	please refer to PM16/PM30 and PM12 for method details	Yes			
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GCFID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.	Yes			

APPENDIX K

Waste Classification Report



Waste Classification Report

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

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



ACNU1-OVWY5-RY0MI

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

Report is invalid if pages are removed.

Job name

Markfield Services

Description/Comments

Project

UK26.7708

Site

Markfield Services

Classified by

Name:
Michael Judson
Date:
24 Feb 2026 11:53 GMT
Telephone:
01954 710 666

Company:
Environmental Strategies Ltd EPS
7B Caxton House, Broad Street, Cambourne
Cambridge
CB23 6JN

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

HazWasteOnline™ Certification:

CERTIFIED

Course

Hazardous Waste Classification
Most recent 3 year Refresher

Date

08 Dec 2016
03 Dec 2024

Next 3 year Refresher due by Dec 2027

Purpose of classification

2 - Material Characterisation

Address of the waste

Markfield Services Little Shaw Lane Markfield LE67 9PP

Post Code **LE67 9PP**

SIC for the process giving rise to the waste

42990 Construction of other civil engineering projects n.e.c.

Description of industry/producer giving rise to the waste

Disused petrol filling station

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

Waste soils anticipated to be excavated through redevelopment of the site

Description of the waste

Waste soils consisting of made ground and underlying natural soils.



Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS01 ES1-28/01/2026-0.40-0.50m		Non Hazardous		3
2	WS01 ES2-28/01/2026-1.20-1.40m		Non Hazardous		5
3	WS02 ES2-28/01/2026-0.40-0.60m		Non Hazardous		6
4	WS02 ES3-28/01/2026-1.70-1.90m		Non Hazardous		9
5	WS03 ES1-28/01/2026-0.90-1.10m		Hazardous	HP 3(i), HP 7, HP 11	11
6	WS04 ES2-28/01/2026-1.60-1.80m		Non Hazardous		13
7	WS05 ES1-28/01/2026-0.70-0.90m		Non Hazardous		14
8	WS07 ES2-29/01/2026-2.10-2.30m		Non Hazardous		15
9	WS08 ES2-29/01/2026-0.50-0.70m		Non Hazardous		17
10	WS09 ES1-29/01/2026-0.10-0.30m		Non Hazardous		20
11	WS09 ES3-29/01/2026-1.40-1.60m		Non Hazardous		22
12	WS10 ES1-29/01/2026-0.00-0.30m		Non Hazardous		24
13	WS11 ES1-29/01/2026-0.45-0.60m		Non Hazardous		26

Related documents

#	Name	Description
1	EMT-26-1359-Batch-1-202602091431.HWOL	Element .hwol file used to populate the Job
2	EMT-26-1472-Batch-1-202602091611.HWOL	Element .hwol file used to populate the Job
3	EPS Waste Stream	waste stream template used to create this Job

Report

Created by: Michael Judson

Created date: 24 Feb 2026 11:53 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	28
Appendix B: Rationale for selection of metal species	30
Appendix C: Version	30

Classification of sample: WS01 ES1-28/01/2026-0.40-0.50m

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

Sample details

Sample name:	LoW Code:
WS01 ES1-28/01/2026-0.40-0.50m	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
22.5% (dry weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 22.5% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic pentoxide }				9 mg/kg	1.534	11.269	mg/kg	0.00113 %	✓	
	033-004-00-6	215-116-9	1303-28-2								
2	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }			1	<0.3 mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
	048-001-00-5										
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				69.3 mg/kg	1.462	82.682	mg/kg	0.00827 %	✓	
		215-160-9	1308-38-9								
4	copper { copper sulphate }				19 mg/kg	2.512	38.957	mg/kg	0.0039 %	✓	
	029-004-00-0	231-847-6	7758-98-7								
5	lead { lead di(acetate) }			1	33 mg/kg	1.57	42.291	mg/kg	0.00269 %	✓	
	082-005-00-8	206-104-4	301-04-2								
6	mercury { mercury dichloride }				<0.1 mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
	080-010-00-X	231-299-8	7487-94-7								
7	nickel { nickel sulfate }				17.8 mg/kg	2.637	38.313	mg/kg	0.00383 %	✓	
	028-009-00-5	232-104-9	7786-81-4								
8	selenium { nickel selenate }				<1 mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5								
9	zinc { zinc oxide }				95 mg/kg	1.245	96.529	mg/kg	0.00965 %	✓	
	030-013-00-7	215-222-5	1314-13-2								
10	naphthalene				<0.04 mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
	601-052-00-2	202-049-5	91-20-3								
11	acenaphthylene				<0.03 mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8								
12	acenaphthene				<0.05 mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9								
13	fluorene				<0.04 mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		201-695-5	86-73-7								
14	phenanthrene				0.07 mg/kg		0.0571	mg/kg	0.00000571 %	✓	
		201-581-5	85-01-8								
15	anthracene				<0.04 mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		204-371-1	120-12-7								



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	fluoranthene	205-912-4	206-44-0		0.15 mg/kg		0.122 mg/kg	0.0000122 %	✓	
17	pyrene	204-927-3	129-00-0		0.12 mg/kg		0.098 mg/kg	0.0000098 %	✓	
18	benzo[a]anthracene	601-033-00-9	200-280-6		0.09 mg/kg		0.0735 mg/kg	0.00000735 %	✓	
19	chrysene	601-048-00-0	205-923-4		0.11 mg/kg		0.0898 mg/kg	0.00000898 %	✓	
20	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
21	indeno[123-cd]pyrene	205-893-2	193-39-5		0.05 mg/kg		0.0408 mg/kg	0.00000408 %	✓	
22	dibenz[a,h]anthracene	601-041-00-2	200-181-8		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
23	benzo[ghi]perylene	205-883-8	191-24-2		0.05 mg/kg		0.0408 mg/kg	0.00000408 %	✓	
24	coronene	205-881-7	191-07-1		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
25	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.09 mg/kg		0.0735 mg/kg	0.00000735 %	✓	
26	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.03 mg/kg		0.0245 mg/kg	0.00000245 %	✓	
27	TPH (C6 to C40) petroleum group		TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD
28	polychlorobiphenyls; PCB	602-039-00-4	215-648-1		<0.035 mg/kg		<0.035 mg/kg	<0.0000035 %		<LOD
29	benzene	601-020-00-8	200-753-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
30	toluene	601-021-00-3	203-625-9		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
31	ethylbenzene	601-023-00-4	202-849-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
32	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
33	chromium in Cr(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<LOD
34	pH		PH		7.07 pH		7.07 pH	7.07 pH		
35	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
Total:								0.0295 %		

Key

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



Classification of sample: WS01 ES2-28/01/2026-1.20-1.40m

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

Sample details

Sample name: **WS01 ES2-28/01/2026-1.20-1.40m** LoW Code: **17: Construction and Demolition Wastes (including excavated soil from contaminated sites)**
Moisture content: **13.6%** Chapter: **17 05 04 (Soil and stones other than those mentioned in 17 05 03)**
(dry weight correction) Entry:

Hazard properties

None identified

Determinands

Moisture content: 13.6% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD
			TPH							
2	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
3	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
4	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
5	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.0000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
6	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
Total:								0%		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection



Classification of sample: WS02 ES2-28/01/2026-0.40-0.60m

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

Sample details

Sample name: **WS02 ES2-28/01/2026-0.40-0.60m** LoW Code: Chapter: **17: Construction and Demolition Wastes (including excavated soil from contaminated sites)**
Moisture content: **3.6%** Entry: **17 05 04 (Soil and stones other than those mentioned in 17 05 03)**
(dry weight correction)

Hazard properties

None identified

Determinands

Moisture content: 3.6% Dry Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number								
1		arsenic { arsenic pentoxide }				7.7 mg/kg	1.534	11.4 mg/kg	0.00114 %	✓		
		033-004-00-6	215-116-9	1303-28-2								
2		cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }			1	<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD	
		048-001-00-5										
3		chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				30.7 mg/kg	1.462	43.311 mg/kg	0.00433 %	✓		
			215-160-9	1308-38-9								
4		copper { copper sulphate }				28 mg/kg	2.512	67.884 mg/kg	0.00679 %	✓		
		029-004-00-0	231-847-6	7758-98-7								
5		lead { lead di(acetate) }			1	5 mg/kg	1.57	7.577 mg/kg	0.000483 %	✓		
		082-005-00-8	206-104-4	301-04-2								
6		mercury { mercury dichloride }				<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD	
		080-010-00-X	231-299-8	7487-94-7								
7		nickel { nickel sulfate }				5.7 mg/kg	2.637	14.507 mg/kg	0.00145 %	✓		
		028-009-00-5	232-104-9	7786-81-4								
8		selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD	
		028-031-00-5	239-125-2	15060-62-5								
9		zinc { zinc oxide }				69 mg/kg	1.245	82.901 mg/kg	0.00829 %	✓		
		030-013-00-7	215-222-5	1314-13-2								
10		naphthalene				0.07 mg/kg		0.0676 mg/kg	0.00000676 %	✓		
		601-052-00-2	202-049-5	91-20-3								
11		acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
			205-917-1	208-96-8								
12		acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
			201-469-6	83-32-9								
13		fluorene				0.06 mg/kg		0.0579 mg/kg	0.00000579 %	✓		
			201-695-5	86-73-7								
14		phenanthrene				0.15 mg/kg		0.145 mg/kg	0.0000145 %	✓		
			201-581-5	85-01-8								
15		anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD	
			204-371-1	120-12-7								



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
16	fluoranthene	205-912-4	206-44-0		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
17	pyrene	204-927-3	129-00-0		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
18	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.06 mg/kg		<0.06 mg/kg	<0.000006 %			<LOD
19	chrysene	601-048-00-0	205-923-4	218-01-9	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
20	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
21	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
22	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
23	benzo[ghi]perylene	205-883-8	191-24-2		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
24	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
25	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
26	TPH (C6 to C40) petroleum group		TPH		332 mg/kg		320.463 mg/kg	0.032 %	✓		
27	benzene	601-020-00-8	200-753-7	71-43-2	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
28	toluene	601-021-00-3	203-625-9	108-88-3	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
29	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
30	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
31	chromium in Cr(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %			<LOD
32	pH		PH		10.55 pH		10.55 pH	10.55 pH			
33	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
34	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5			<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %			<LOD
Total:									0.0546 %		

Key

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

Supplementary Hazardous Property Information

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



Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 1000 mg/kg (0.1%)
because: WM3 states that the Hazard Statement HP 3 (first and fourth indents) can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.032%)



Classification of sample: WS02 ES3-28/01/2026-1.70-1.90m

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

Sample details

Sample name: **WS02 ES3-28/01/2026-1.70-1.90m** LoW Code: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: **11.4%** Chapter: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
(dry weight correction) Entry:

Hazard properties

None identified

Determinands

Moisture content: 11.4% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				781 mg/kg		701.077 mg/kg	0.0701 %	✓	
			TPH							
2	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
3	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
4	ethylbenzene				0.023 mg/kg		0.0206 mg/kg	0.00000206 %	✓	
	601-023-00-4	202-849-4	100-41-4							
5	xylene				0.172 mg/kg		0.154 mg/kg	0.0000154 %	✓	
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
6	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
Total:								0.0701 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 1000 mg/kg (0.1%) because: WM3 states that the Hazard Statement HP 3 (first and fourth indents) can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

ethylbenzene (conc.: 2.06e-06%)



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

Because of determinands:

TPH (C6 to C40) petroleum group (conc.: 0.0701%)

xylene (conc.: 0.00001%)



Classification of sample: WS03 ES1-28/01/2026-0.90-1.10m

 **Hazardous Waste**
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
WS03 ES1-28/01/2026-0.90-1.10m	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 03 * (Soil and stones containing hazardous substances)
18.2% (dry weight correction)		

Hazard properties

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

Hazard Statements hit:

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

Because of determinand:

ethylbenzene (conc.: 0.00003%)

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

Because of determinands:

TPH (C6 to C40) petroleum group (conc.: 0.19%)

xylene (conc.: 0.00012%)

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.19%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.19%)

Determinands

Moisture content: 18.2% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	TPH (C6 to C40) petroleum group				2240 mg/kg		1895.093 mg/kg		0.19 %	✓	
2	benzene		TPH		<0.005 mg/kg		<0.005 mg/kg		<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2								
3	toluene				<0.005 mg/kg		<0.005 mg/kg		<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3								



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
4	ethylbenzene 601-023-00-4	202-849-4	100-41-4		0.37 mg/kg		0.313 mg/kg	0.0000313 %	✓	
5	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		1.46 mg/kg		1.235 mg/kg	0.000124 %	✓	
6	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X	216-653-1	1634-04-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
Total:								0.19 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 1000 mg/kg (0.1%) because: WM3 states that the Hazard Statement HP 3 (first and fourth indents) can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

ethylbenzene (conc.: 0.00003%)

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

Because of determinands:

TPH (C6 to C40) petroleum group (conc.: 0.19%)

xylene (conc.: 0.00012%)



Classification of sample: WS04 ES2-28/01/2026-1.60-1.80m

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

Sample details

Sample name: **WS04 ES2-28/01/2026-1.60-1.80m** LoW Code: **17: Construction and Demolition Wastes (including excavated soil from contaminated sites)**
Moisture content: **26.2%** Chapter: **17 05 04 (Soil and stones other than those mentioned in 17 05 03)**
(dry weight correction) Entry:

Hazard properties

None identified

Determinands

Moisture content: 26.2% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				141 mg/kg		111.727 mg/kg	0.0112 %	✓	
			TPH							
2	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
3	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
4	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
5	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.0000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
6	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
Total:								0.0112 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 1000 mg/kg (0.1%) because: WM3 states that the Hazard Statement HP 3 (first and fourth indents) can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0112%)



Classification of sample: WS05 ES1-28/01/2026-0.70-0.90m



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

Sample details

Sample name: **WS05 ES1-28/01/2026-0.70-0.90m** LoW Code: Chapter: **17: Construction and Demolition Wastes (including excavated soil from contaminated sites)**
Moisture content: **13.8%** Entry: **17 05 04 (Soil and stones other than those mentioned in 17 05 03)**
(dry weight correction)

Hazard properties

None identified

Determinands

Moisture content: 13.8% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD
			TPH							
2	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
3	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
4	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
5	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
6	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
Total:								0%		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection

Classification of sample: WS07 ES2-29/01/2026-2.10-2.30m

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

Sample details

Sample name:	LoW Code:
WS07 ES2-29/01/2026-2.10-2.30m	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
9.3%	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
(dry weight correction)	Entry:

Hazard properties

None identified

Determinands

Moisture content: 9.3% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic pentoxide }				10.6 mg/kg	1.534	14.876 mg/kg	0.00149 %	✓	
	033-004-00-6	215-116-9	1303-28-2							
2	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }			1	<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
	048-001-00-5									
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				37 mg/kg	1.462	49.476 mg/kg	0.00495 %	✓	
		215-160-9	1308-38-9							
4	copper { copper sulphate }				16 mg/kg	2.512	36.768 mg/kg	0.00368 %	✓	
	029-004-00-0	231-847-6	7758-98-7							
5	lead { lead di(acetate) }			1	15 mg/kg	1.57	21.545 mg/kg	0.00137 %	✓	
	082-005-00-8	206-104-4	301-04-2							
6	mercury { mercury dichloride }				<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
7	nickel { nickel sulfate }				18.7 mg/kg	2.637	45.111 mg/kg	0.00451 %	✓	
	028-009-00-5	232-104-9	7786-81-4							
8	selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
9	zinc { zinc oxide }				53 mg/kg	1.245	60.357 mg/kg	0.00604 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
10	naphthalene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
11	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
12	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
13	fluorene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		201-695-5	86-73-7							
14	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
15	anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		204-371-1	120-12-7							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	fluoranthene	205-912-4	206-44-0		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
17	pyrene	204-927-3	129-00-0		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
18	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
19	chrysene	601-048-00-0	205-923-4	218-01-9	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
20	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
21	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
22	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
23	benzo[ghi]perylene	205-883-8	191-24-2		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
24	coronene	205-881-7	191-07-1		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
25	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
26	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
27	TPH (C6 to C40) petroleum group		TPH		<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD
28	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3	<0.035 mg/kg		<0.035 mg/kg	<0.0000035 %		<LOD
29	benzene	601-020-00-8	200-753-7	71-43-2	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
30	toluene	601-021-00-3	203-625-9	108-88-3	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
31	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
32	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
33	chromium in Cr(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<LOD
34	pH		PH		7.88 pH		7.88 pH	7.88 pH		
35	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
36	sulfur { sulfur }	016-094-00-1	231-722-6	7704-34-9	<100 mg/kg		<100 mg/kg	<0.01 %		<LOD
Total:								0.022 %		

Key

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

Classification of sample: WS08 ES2-29/01/2026-0.50-0.70m

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

Sample details

Sample name:	LoW Code:
WS08 ES2-29/01/2026-0.50-0.70m	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
20.8% (dry weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 20.8% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic pentoxide }				10.2	mg/kg	1.534	12.952	mg/kg	0.0013 %	✓	
	033-004-00-6	215-116-9	1303-28-2									
2	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }			1	<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
	048-001-00-5											
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				41	mg/kg	1.462	49.606	mg/kg	0.00496 %	✓	
		215-160-9	1308-38-9									
4	copper { copper sulphate }				21	mg/kg	2.512	43.664	mg/kg	0.00437 %	✓	
	029-004-00-0	231-847-6	7758-98-7									
5	lead { lead di(acetate) }			1	21	mg/kg	1.57	27.291	mg/kg	0.00174 %	✓	
	082-005-00-8	206-104-4	301-04-2									
6	mercury { mercury dichloride }				<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
7	nickel { nickel sulfate }				15.5	mg/kg	2.637	33.832	mg/kg	0.00338 %	✓	
	028-009-00-5	232-104-9	7786-81-4									
8	selenium { nickel selenate }				1	mg/kg	2.554	2.114	mg/kg	0.000211 %	✓	
	028-031-00-5	239-125-2	15060-62-5									
9	zinc { zinc oxide }				55	mg/kg	1.245	56.672	mg/kg	0.00567 %	✓	
	030-013-00-7	215-222-5	1314-13-2									
10	naphthalene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
11	acenaphthylene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8									
12	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9									
13	fluorene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		201-695-5	86-73-7									
14	phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8									
15	anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		204-371-1	120-12-7									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	fluoranthene	205-912-4	206-44-0		0.05 mg/kg		0.0414 mg/kg	0.00000414 %	✓	
17	pyrene	204-927-3	129-00-0		0.05 mg/kg		0.0414 mg/kg	0.00000414 %	✓	
18	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
19	chrysene	601-048-00-0	205-923-4	218-01-9	0.04 mg/kg		0.0331 mg/kg	0.00000331 %	✓	
20	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
21	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
22	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
23	benzo[ghi]perylene	205-883-8	191-24-2		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
24	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
26	TPH (C6 to C40) petroleum group		TPH		91 mg/kg		75.331 mg/kg	0.00753 %	✓	
27	benzene	601-020-00-8	200-753-7	71-43-2	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
28	toluene	601-021-00-3	203-625-9	108-88-3	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
29	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
30	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
31	chromium in Cr(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<LOD
32	pH		PH		7.5 pH		7.5 pH	7.5 pH		
33	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
34	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5			<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
Total:								0.0292 %		

Key

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

Supplementary Hazardous Property Information

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



Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 1000 mg/kg (0.1%)
because: WM3 states that the Hazard Statement HP 3 (first and fourth indents) can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00753%)



Classification of sample: WS09 ES1-29/01/2026-0.10-0.30m

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

Sample details

Sample name: **WS09 ES1-29/01/2026-0.10-0.30m** LoW Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: **18.9%** Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
(dry weight correction)

Hazard properties

None identified

Determinands

Moisture content: 18.9% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic pentoxide }				8.8 mg/kg	1.534	11.352 mg/kg	0.00114 %	✓		
	033-004-00-6	215-116-9	1303-28-2								
2	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }			1	<0.3 mg/kg		<0.3 mg/kg	<0.00003 %			<LOD
	048-001-00-5										
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				47 mg/kg	1.462	57.774 mg/kg	0.00578 %	✓		
		215-160-9	1308-38-9								
4	copper { copper sulphate }				19 mg/kg	2.512	40.137 mg/kg	0.00401 %	✓		
	029-004-00-0	231-847-6	7758-98-7								
5	lead { lead di(acetate) }			1	34 mg/kg	1.57	44.892 mg/kg	0.00286 %	✓		
	082-005-00-8	206-104-4	301-04-2								
6	mercury { mercury dichloride }				<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %			<LOD
	080-010-00-X	231-299-8	7487-94-7								
7	nickel { nickel sulfate }				17.5 mg/kg	2.637	38.807 mg/kg	0.00388 %	✓		
	028-009-00-5	232-104-9	7786-81-4								
8	selenium { nickel selenate }				1 mg/kg	2.554	2.148 mg/kg	0.000215 %	✓		
	028-031-00-5	239-125-2	15060-62-5								
9	zinc { zinc oxide }				95 mg/kg	1.245	99.451 mg/kg	0.00995 %	✓		
	030-013-00-7	215-222-5	1314-13-2								
10	naphthalene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
11	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		205-917-1	208-96-8								
12	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-469-6	83-32-9								
13	fluorene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
		201-695-5	86-73-7								
14	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		201-581-5	85-01-8								
15	anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
		204-371-1	120-12-7								



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	fluoranthene	205-912-4	206-44-0		0.07 mg/kg		0.0589 mg/kg	0.00000589 %	✓	
17	pyrene	204-927-3	129-00-0		0.06 mg/kg		0.0505 mg/kg	0.00000505 %	✓	
18	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.07 mg/kg		0.0589 mg/kg	0.00000589 %	✓	
19	chrysene	601-048-00-0	205-923-4	218-01-9	0.06 mg/kg		0.0505 mg/kg	0.00000505 %	✓	
20	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.05 mg/kg		0.0421 mg/kg	0.00000421 %	✓	
21	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
22	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
23	benzo[ghi]perylene	205-883-8	191-24-2		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
24	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
26	chromium in Cr(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<LOD
27	pH		PH		6.81 pH		6.81 pH	6.81 pH		
28	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5			<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
Total:								0.0279 %		

Key

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



Classification of sample: WS09 ES3-29/01/2026-1.40-1.60m

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

Sample details

Sample name: **WS09 ES3-29/01/2026-1.40-1.60m** LoW Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: **11.6%** Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
(dry weight correction)

Hazard properties

None identified

Determinands

Moisture content: 11.6% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic pentoxide }				7 mg/kg	1.534	9.621 mg/kg	0.000962 %	✓		
	033-004-00-6	215-116-9	1303-28-2								
2	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }			1	<0.3 mg/kg		<0.3 mg/kg	<0.00003 %			<LOD
	048-001-00-5										
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				65.6 mg/kg	1.462	85.912 mg/kg	0.00859 %	✓		
		215-160-9	1308-38-9								
4	copper { copper sulphate }				16 mg/kg	2.512	36.01 mg/kg	0.0036 %	✓		
	029-004-00-0	231-847-6	7758-98-7								
5	lead { lead di(acetate) }			1	16 mg/kg	1.57	22.507 mg/kg	0.00143 %	✓		
	082-005-00-8	206-104-4	301-04-2								
6	mercury { mercury dichloride }				<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %			<LOD
	080-010-00-X	231-299-8	7487-94-7								
7	nickel { nickel sulfate }				17.7 mg/kg	2.637	41.818 mg/kg	0.00418 %	✓		
	028-009-00-5	232-104-9	7786-81-4								
8	selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %			<LOD
	028-031-00-5	239-125-2	15060-62-5								
9	zinc { zinc oxide }				47 mg/kg	1.245	52.421 mg/kg	0.00524 %	✓		
	030-013-00-7	215-222-5	1314-13-2								
10	naphthalene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
11	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		205-917-1	208-96-8								
12	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-469-6	83-32-9								
13	fluorene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
		201-695-5	86-73-7								
14	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		201-581-5	85-01-8								
15	anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
		204-371-1	120-12-7								



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
16	fluoranthene	205-912-4	206-44-0		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
17	pyrene	204-927-3	129-00-0		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
18	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.06 mg/kg		<0.06 mg/kg	<0.000006 %			<LOD
19	chrysene	601-048-00-0	205-923-4	218-01-9	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
20	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
21	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
22	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
23	benzo[ghi]perylene	205-883-8	191-24-2		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
24	coronene	205-881-7	191-07-1		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
25	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
26	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
27	TPH (C6 to C40) petroleum group		TPH		<52 mg/kg		<52 mg/kg	<0.0052 %			<LOD
28	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3	<0.035 mg/kg		<0.035 mg/kg	<0.0000035 %			<LOD
29	benzene	601-020-00-8	200-753-7	71-43-2	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
30	toluene	601-021-00-3	203-625-9	108-88-3	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
31	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
32	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
33	chromium in Cr(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %			<LOD
34	pH		PH		7.21 pH		7.21 pH	7.21 pH			
35	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
Total:									0.024 %		

Key

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



Classification of sample: WS10 ES1-29/01/2026-0.00-0.30m



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

Sample details

Sample name:	LoW Code:
WS10 ES1-29/01/2026-0.00-0.30m	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
21.1% (dry weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 21.1% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic pentoxide }				12.1 mg/kg	1.534	15.326	mg/kg	0.00153 %	✓	
	033-004-00-6	215-116-9	1303-28-2								
2	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }			1	<0.3 mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
	048-001-00-5										
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				43.7 mg/kg	1.462	52.742	mg/kg	0.00527 %	✓	
		215-160-9	1308-38-9								
4	copper { copper sulphate }				14 mg/kg	2.512	29.037	mg/kg	0.0029 %	✓	
	029-004-00-0	231-847-6	7758-98-7								
5	lead { lead di(acetate) }			1	46 mg/kg	1.57	59.633	mg/kg	0.0038 %	✓	
	082-005-00-8	206-104-4	301-04-2								
6	mercury { mercury dichloride }				<0.1 mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
	080-010-00-X	231-299-8	7487-94-7								
7	nickel { nickel sulfate }				18.1 mg/kg	2.637	39.409	mg/kg	0.00394 %	✓	
	028-009-00-5	232-104-9	7786-81-4								
8	selenium { nickel selenate }				3 mg/kg	2.554	6.327	mg/kg	0.000633 %	✓	
	028-031-00-5	239-125-2	15060-62-5								
9	zinc { zinc oxide }				103 mg/kg	1.245	105.867	mg/kg	0.0106 %	✓	
	030-013-00-7	215-222-5	1314-13-2								
10	naphthalene				<0.04 mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
	601-052-00-2	202-049-5	91-20-3								
11	acenaphthylene				<0.03 mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8								
12	acenaphthene				<0.05 mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9								
13	fluorene				<0.04 mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		201-695-5	86-73-7								
14	phenanthrene				<0.03 mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8								
15	anthracene				<0.04 mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		204-371-1	120-12-7								



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	fluoranthene	205-912-4	206-44-0		0.04 mg/kg		0.033 mg/kg	0.0000033 %	✓	
17	pyrene	204-927-3	129-00-0		0.04 mg/kg		0.033 mg/kg	0.0000033 %	✓	
18	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
19	chrysene	601-048-00-0	205-923-4	218-01-9	0.04 mg/kg		0.033 mg/kg	0.0000033 %	✓	
20	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
21	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
22	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
23	benzo[ghi]perylene	205-883-8	191-24-2		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
24	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
26	chromium in Cr(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<LOD
27	pH		PH		6.67 pH		6.67 pH	6.67 pH		
28	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5			<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
Total:								0.0287 %		

Key

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



Classification of sample: WS11 ES1-29/01/2026-0.45-0.60m

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

Sample details

Sample name:	LoW Code:
WS11 ES1-29/01/2026-0.45-0.60m	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
16.7% (dry weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 16.7% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic pentoxide }				8.2 mg/kg	1.534	10.778	mg/kg	0.00108 %	✓	
	033-004-00-6	215-116-9	1303-28-2								
2	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }			1	<0.3 mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
	048-001-00-5										
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				37 mg/kg	1.462	46.339	mg/kg	0.00463 %	✓	
		215-160-9	1308-38-9								
4	copper { copper sulphate }				19 mg/kg	2.512	40.893	mg/kg	0.00409 %	✓	
	029-004-00-0	231-847-6	7758-98-7								
5	lead { lead di(acetate) }			1	11 mg/kg	1.57	14.798	mg/kg	0.000943 %	✓	
	082-005-00-8	206-104-4	301-04-2								
6	mercury { mercury dichloride }				<0.1 mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
	080-010-00-X	231-299-8	7487-94-7								
7	nickel { nickel sulfate }				12.8 mg/kg	2.637	28.92	mg/kg	0.00289 %	✓	
	028-009-00-5	232-104-9	7786-81-4								
8	selenium { nickel selenate }				<1 mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5								
9	zinc { zinc oxide }				43 mg/kg	1.245	45.863	mg/kg	0.00459 %	✓	
	030-013-00-7	215-222-5	1314-13-2								
10	naphthalene				<0.04 mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
	601-052-00-2	202-049-5	91-20-3								
11	acenaphthylene				<0.03 mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8								
12	acenaphthene				<0.05 mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9								
13	fluorene				<0.04 mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		201-695-5	86-73-7								
14	phenanthrene				<0.03 mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8								
15	anthracene				<0.04 mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		204-371-1	120-12-7								



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
16	fluoranthene	205-912-4	206-44-0		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
17	pyrene	204-927-3	129-00-0		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
18	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.06 mg/kg		<0.06 mg/kg	<0.000006 %			<LOD
19	chrysene	601-048-00-0	205-923-4	218-01-9	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
20	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
21	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
22	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
23	benzo[ghi]perylene	205-883-8	191-24-2		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
24	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
25	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
26	TPH (C6 to C40) petroleum group		TPH		<52 mg/kg		<52 mg/kg	<0.0052 %			<LOD
27	benzene	601-020-00-8	200-753-7	71-43-2	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
28	toluene	601-021-00-3	203-625-9	108-88-3	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
29	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
30	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
31	chromium in Cr(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %			<LOD
32	pH		PH		7.31 pH		7.31 pH	7.31 pH			
33	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
34	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5			<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %			<LOD
Total:									0.0182 %		

Key

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

Appendix A: Classifier defined and non GB MCL determinands

■ **cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex**

GB MCL index number: 048-001-00-5

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

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

Reason for additional Hazards Statement(s):

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

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

Description/Comments: Data from C&L Inventory Database

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

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4; H332, Acute Tox. 4; H302, Eye Irrit. 2; H319, STOT SE 3; H335, Skin Irrit. 2; H315, Resp. Sens. 1; H334, Skin Sens. 1; H317, Repr. 1B; H360FD, Aquatic Acute 1; H400, Aquatic Chronic 1; H410

■ **lead di(acetate) (EC Number: 206-104-4, CAS Number: 301-04-2)**

GB MCL index number: 082-005-00-8

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

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

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 2; H351 hazard statement sourced from:: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html. Review date 29/09/2015

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

Description/Comments: Data from C&L Inventory Database

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

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4; H302, Acute Tox. 1; H330, Acute Tox. 1; H310, Eye Irrit. 2; H319, STOT SE 3; H335, Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database

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

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2; H319, STOT SE 3; H335, Skin Irrit. 2; H315, Aquatic Acute 1; H400, Aquatic Chronic 1; H410, Aquatic Chronic 2; H411

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

Description/Comments: Data from C&L Inventory Database

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

Data source date: 06 Aug 2015

Hazard Statements: Aquatic Acute 1; H400, Aquatic Chronic 1; H410

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

Description/Comments: Data from C&L Inventory Database

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

Data source date: 06 Aug 2015

Hazard Statements: Acute Tox. 4; H302, Eye Irrit. 2; H319, STOT SE 3; H335, Carc. 2; H351, Skin Sens. 1; H317, Aquatic Acute 1; H400, Aquatic Chronic 1; H410, Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database

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

Data source date: 17 Jul 2015

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

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

Description/Comments: Data from C&L Inventory Database

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

Data source date: 21 Aug 2015

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

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

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

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

Data source date: 21 Aug 2015

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

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

Description/Comments: Data from C&L Inventory Database

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

Data source date: 06 Aug 2015

Hazard Statements: Carc. 2; H351

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

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015

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

Data source date: 23 Jul 2015

Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

▪ **coronene** (EC Number: 205-881-7, CAS Number: 191-07-1)

Description/Comments: Data from C&L Inventory Database; no entries in Registered Substances or Pesticides Properties databases; SDS: Sigma Aldrich, 1907/2006 compliant, dated 2012 - no entries; IARC – Group 3, not carcinogenic.

Data source: <http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=17010&HarmOnly=no?fc=true&lang=en>

Data source date: 16 Jun 2014

Hazard Statements: STOT SE 2; H371

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

Description/Comments: Unknown Oil

Hazard statements taken from WM3 1st Edition 2015

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

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

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

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

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

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

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

Reason for additional Hazards Statement(s):

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

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

GB MCL index number: 601-023-00-4

Description/Comments:

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

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 2; H351 hazard statement sourced from:: IARC Group 2B (77) 2000

▪ **pH** (CAS Number: PH)

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

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

GB MCL index number: 006-007-00-5

Description/Comments: Conversion factor based on a worst case compound: sodium cyanide

Additional Hazard Statement(s): EUH032 >= 0.2 %

Reason for additional Hazards Statement(s):

20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from:: WM3, Table C12.2



Appendix B: Rationale for selection of metal species

arsenic {arsenic pentoxide}

Worst Case

cadmium {cadmium compounds, with the exception of cadmium sulphoselenide ($x\text{CdS.yCdSe}$), reaction mass of cadmium sulphide with zinc sulphide ($x\text{CdS.yZnS}$), reaction mass of cadmium sulphide with mercury sulphide ($x\text{CdS.yHgS}$), and those specified elsewhere in this Annex}

Using elemental Cadmium with no CrVI

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

Worst case species

copper {copper sulphate}

Worst Case Species

lead {lead di(acetate)}

Worst Case Species

mercury {mercury dichloride}

Worst Case Species

nickel {nickel sulfate}

Worst Case Species considered likely to be present on most brownfield land sites.

selenium {nickel selenate}

Worst Case Species

zinc {zinc oxide}

Elemental Zinc with no CrVI

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

Worst case species

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

Only available species.

sulfur {sulfur}

No onsite source of sulphur dioxide or sulphur dichloride.

Appendix C: Version

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

HazWasteOnline Classification Engine Version: 2026.26.6955.12551 (26 Jan 2026)

HazWasteOnline Database: 2026.27.6959.12557 (27 Jan 2026)



This classification utilises the following guidance and legislation:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK:

2020 No. 1540 of 16th December 2020

GB MCL List - version 1.1 of 09 June 2021

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

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

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

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

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

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

APPENDIX L

Laboratory Results - Geotechnical



TEST REPORT
ISSUED BY SOIL PROPERTY TESTING LTD
DATE ISSUED: 27/02/2026



Contract	UK26.7708 Markfield Services		
Serial No.	49698_1		
Client: Environmental Protection Strategies Ltd Unit 7 Caxton House Broad Street Great Cambourne Cambridge CB23 6JN		Soil Property Testing Ltd 15, 16, 18 Halcyon Court, St Margaret's Way, Stukeley Meadows, Huntingdon, Cambridgeshire, PE29 6DG Tel: 01480 455579 Email: enquiries@soilpropertytesting.com Website: www.soilpropertytesting.com	
Samples Submitted By: Environmental Protection Strategies Ltd Samples Labelled: UK26.7708 Markfield Services		Approved Signatories: ☐ J.C. Garner B.Eng (Hons) FGS Technical Director & Quality Manager ☒ G. Ferguson Operations Manager ☐ M. Stevenson Site Services Manager 	
Date Received: 16/02/2026		Samples Tested Between: 16/02/2026 and 27/02/2026	
Remarks: For the attention of Callum Roberts Your Reference No: UK26.7708 Your Order No: 40005			
Notes: 1 All remaining samples or remnants from this contract will be disposed of after 21 days from today, unless we are notified to the contrary. 2 Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. 3 Tests marked "NOT UKAS ACCREDITED" in this test report are not included in the UKAS Accreditation Schedule for this testing laboratory. 4 This test report may not be reproduced other than in full except with the prior written approval of the issuing laboratory. 5 The results within this report only relate to the items tested or sampled.			



TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD
DATE ISSUED: 27/02/2026



Contract		UK26.7708 Markfield Services																									
Serial No.		49698_1										Target Date		27/02/2026													
Scheduled By		Environmental Protection Strategies Ltd																									
Schedule Remarks																											
Bore Hole No.	Type	Sample Ref.	Top Depth	Particle Size Distribution (BS1377) Water Content (BS61) Liquid/Plastic Limits Wet Sieve Preparation Sulphate Content/pH Value																Sample Remarks							
WS12	D	1	1.10	1																							
WS12	D	2	1.60		1	1	1																				
WS14	D	2	0.80		1	1	1																				
WS14	B	1	1.50					1																			
Totals				1	2	2	2	1														End of Schedule					



TEST REPORT

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DATE ISSUED: 27/02/2026



Contract	UK26.7708 Markfield Services
Serial No.	49698_1

SUMMARY OF WATER CONTENT, LIQUID LIMIT, PLASTIC LIMIT, PLASTICITY INDEX AND LIQUIDITY INDEX

Borehole /Pit No.	Depth (m)	Type	Ref.	Water Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Liquidity Index	Sample Preparation				Description	Class
									Method	Ret'd 0.425mm (%)	Corr'd W/C <0.425mm	Curing Time (hrs)		
WS12	1.60 - 1.80	D	2	12.6	20	13	7	-0.06	Wet Sieved	29 (M)	N/R*	48	Soft mottled bluish grey and yellowish brown slightly gravelly slightly sandy silty CLAY with occasional decayed roots. Gravel is brown and grey fine to medium angular to sub rounded quartzite and sandstone.	CL
WS14	0.80 - 1.00	D	2	5.1	31	18	13	-0.99	Wet Sieved	85 (M)	N/R*	48	Brown, grey and dark grey fine to coarse angular to sub angular quartzite and granite GRAVEL with occasional soft yellowish brown very sandy silty clay matrix.	CL

Method Of Preparation: BS EN ISO: 17892-1: 2014+A1:2022 & BS 1377: Part 2:1990:4.2
Method of Test: BS EN ISO: 17892-1: 2014+A1:2022 & BS 1377: Part 2:1990:3.2, 4.4, 5.3, 5.4
Type of Sample Key: U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments: *Corrected water content assume material greater than 0.425mm is non-porous. See BS1377: Part 2: 1990 Clause 3 Note 1. Where N/R, corrected water content is not reported due to material type.
Table Notation: Ret'd 0.425mm: (A) = Assumed, (M) = Measured



TEST REPORT

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DATE ISSUED: 27/02/2026

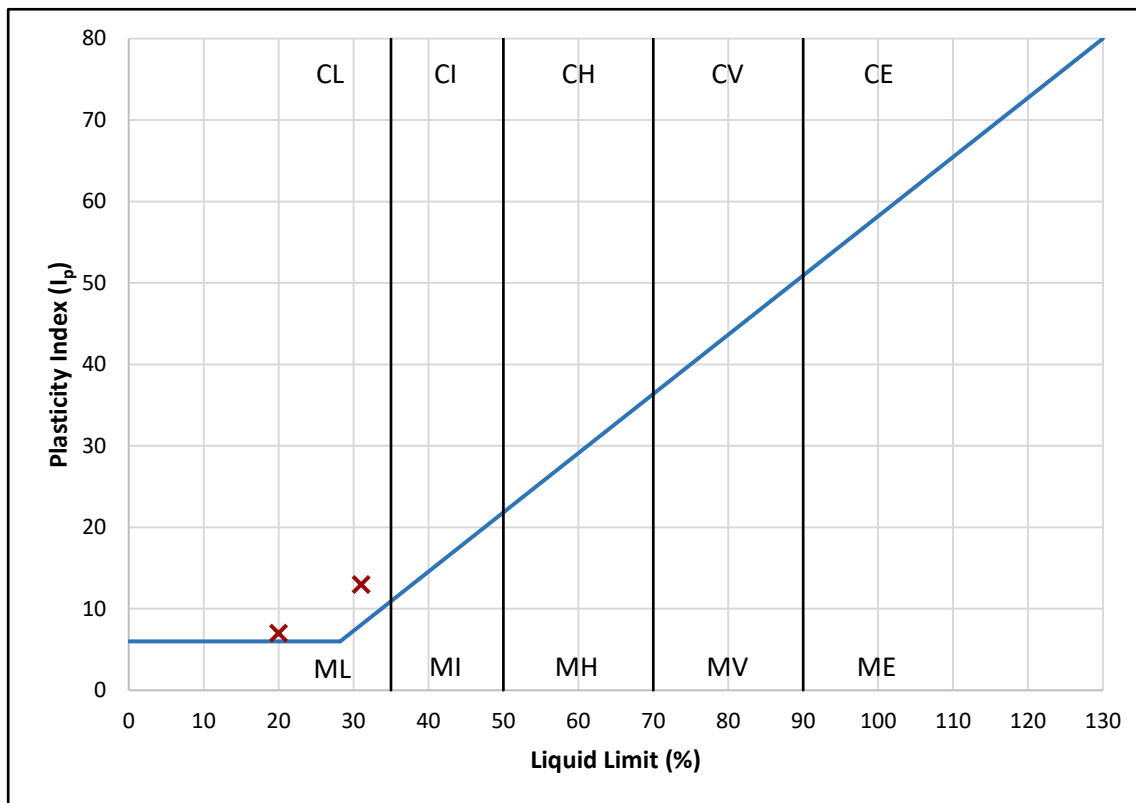


Contract **UK26.7708 Markfield Services**

Serial No. **49698_1**

PLOT OF PLASTICITY INDEX AGAINST LIQUID LIMIT USING CASAGRANDE CLASSIFICATION CHART

Plasticity				
Low	Medium	High	Very High	Extremely High



Plasticity Chart BS5930: 2015: Figure 8

NHBC Volume Change Potential	
High	Medium
Low	

Method of Preparation: BS 1377: Part 2: 1990: 4.2

Method of Test: BS1377: Part 2: 3.2, 4.4, 5.3, 5.4

Type of Sample Key: U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter

Comments: Volume Change Potential: NHBC Standards Chapter 4.2 Unmodified Plasticity Index



TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD
DATE ISSUED: 27/02/2026



Contract	UK26.7708 Markfield Services							
Serial No.	49698_1							
DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX								
Borehole / Pit No.	Depth m	Sample Type	Reference	Water Content (W) %	Description	Remarks		
WS12	1.60 - 1.80	D	2	12.6	Soft mottled bluish grey and yellowish brown slightly gravelly slightly sandy silty CLAY with occasional decayed roots. Gravel is brown and grey fine to medium angular to sub rounded quartzite and sandstone.			
PREPARATION					Liquid Limit	20 %		
Method of preparation					Wet sieved over 0.425mm sieve	Plastic Limit	13 %	
Sample retained 0.425mm sieve (Measured)					29 %	Plasticity Index	7 %	
Corrected water content for material passing 0.425mm					Not reported	Liquidity Index	-0.06	
Sample retained 2mm sieve (Measured)					19 %	NHBC Modified (I'p)	5 %	
Curing time				48 hrs	Clay Content	Not analysed	Derived Activity	Not analysed
C=CLAY M=SILT Plasticity Index % (Ip) High Medium Low NHBC Volume Change Potential Liquid Limit %								

Plasticity Chart BS5930: 2015: Figure 8



TEST REPORT

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DATE ISSUED: 27/02/2026



Contract	UK26.7708 Markfield Services						
Serial No.	49698_1						
DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX							
Borehole / Pit No.	Depth m	Sample Type	Reference	Water Content (W) %	Description	Remarks	
WS14	0.80 - 1.00	D	2	5.1	Brown, grey and dark grey fine to coarse angular to sub angular quartzite and granite GRAVEL with occasional soft yellowish brown very sandy silty clay matrix.		
PREPARATION					Liquid Limit	31 %	
Method of preparation					Wet sieved over 0.425mm sieve	Plastic Limit	18 %
Sample retained 0.425mm sieve (Measured)					85 %	Plasticity Index	13 %
Corrected water content for material passing 0.425mm					Not reported	Liquidity Index	-0.99
Sample retained 2mm sieve (Measured)					77 %	NHBC Modified (I'p)	2 %
Curing time			48 hrs	Clay Content	Not analysed	Derived Activity	Not analysed
C=CLAY M=SILT Plasticity Index % (Ip) High Medium Low NHBC Volume Change Potential Liquid Limit %							

Plasticity Chart BS5930: 2015: Figure 8



TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD
DATE ISSUED: 27/02/2026



Contract	UK26.7708 Markfield Services
Serial No.	49698_1

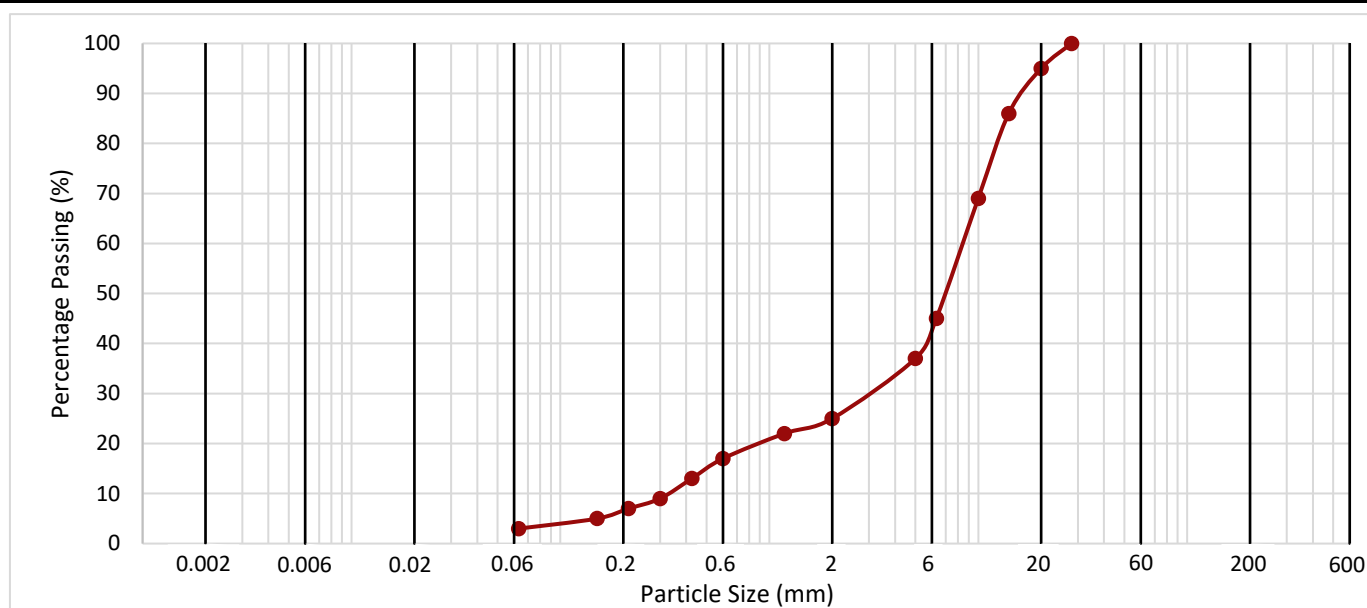
DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Borehole / Pit No.	Depth (m)	Sample		Description	Remarks
		Type	Reference		
WS12	1.10 - 1.30	D	1	Dark reddish grey granite with occasional brown quartzite very sandy slightly clayey GRAVEL. Sand is brown.	

Method of Test: **Wet Sieve**

Method of Pretreatment:

Not required



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES	BOULDERS
	SILT			SAND			GRAVEL				

Hydrometer	Particle Size (mm)	Passing (%)	Silt by Dry Mass (%)
	0.075		
	0.150		
	0.300		
	0.600		
	1.18		
	2.00		
	4.75		
	Particle Size (mm)	Passing (%)	Clay by Dry Mass (%)
	0.075		
	0.150		
	0.300		
	0.600		
	1.18		
	2.00		
	4.75		

Sieve Size (mm)	Passing (%)	Sand By Dry Mass (%)
2.00	25	22
1.18	22	
0.600	17	
0.425	13	
0.300	9	
0.212	7	
0.150	5	
0.063	3	

Fines By Dry Mass (%)	
<0.063mm	3

Sieve Size (mm)	Passing (%)	2mm+ By Dry Mass (%)
300		75
125		
90		
63		
50		
37.5		
28	100	
20	95	
14	86	
10	69	
6.3	45	
5	37	

Method of Preparation: BS1377: Part 1: 2016: 8.3 & 8.4.5
Method of test: BS1377: Part 2: 1990: 9.2
Type of Sample Key: U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
Comments:



TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD
DATE ISSUED: 27/02/2026

Contract:	UK26.7708 Markfield Services
Serial No:	49698_1

DETERMINATION OF THE SULPHATE CONTENT AND pH OF SOIL AND GROUNDWATER

Borehole / Pit No.	Depth (m)	Sample		Conc. of Soluble SO ₃		Calc'd	pH Value	% Sample Passing 2mm Sieve	Description	Remarks
		Type	Ref.	Water Soluble 2:1 (g/L)	Ground Water (g/L)	Conc. Of SO ₄ (g/L)				
WS14	1.50 - 2.50	B	1	0.02		0.03	7.3	73	Soft yellowish brown slightly gravelly slightly sandy silty CLAY. Gravel is brown and grey fine to coarse angular to rounded quartzite and sandstone.	

Method of Preparation:	BS1377: Part 1: 2016: 8.5, BS1377: Part 3: 1990: 5.3 Soil/Water Extract, 5.4 Groundwater
Method of Test:	BS1377: Part 3: 1990: 5.5
Type of Sample Key:	U= Undisturbed, B= Bulk, D= Disturbed, J= Jar, W= Water, SPT= Split Spoon Sample, C= Core Cutter
Comments:	Test not UKAS accredited
Remarks to Include:	Sample disturbance, loss of moisture, variation from test procedure, location, and origin of test specimen within original sample. Oven drying temperature if not 105-110C.

Serial number: LT2075

Date of issue: 01/03/2026

Page 1 of 25

Issued by Soil Engineering Geoservices Limited,
Parkside Lane,
Dewsbury Road,
Leeds
LS11 5SX.
Tel: 0113 2711111

Email: enquiries@soil-engineering.co.uk

Authorised signatory



P. A. Rodgers (Technical Manager)
S. D. Harper ✓ (Laboratory Production Manager)

Customer name EPS
Address 10-12 East Parade
Leeds
LS1 2BH

Contract name Markfield Services
Your reference UK26.7708

Dates of receipt of samples 06/02/2026

Dates of testing 06/02/2026 to 27/02/2026

Sampling was not performed by the Laboratory of Soil Engineering.

Testing was performed on 11 number of samples received in good condition.

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

Results reported relate only to the samples tested.

Tests marked 'Not UKAS' in this report are not included in the UKAS accreditation schedule for our laboratory. These results will appear in italics on any summary of tests.

Samples will be retained for 28 days from date of issue of this report and then be disposed of, unless we receive written instruction to the contrary

Key to Laboratory Summary Sheets

Common to all summaries

Sample Type	U	Undisturbed sample	D	Small disturbed sample
	P	Piston sample	B	Bulk disturbed sample
	TW	Thin walled sample	BLK	Block sample
	L	Liner sample	C	Rock core
	AMAL	Amalgamated sample		
Test status	Any result in <i>italics</i> indicates a test that is not within the scope of the UKAS accreditation for this laboratory.			

Summary of Laboratory Soil Tests: Index / Classification Tests

Particle density	p	g	Gas jar method
Plastic index	N/P	Non plastic, although liquid limit will have been determined if requested	
Particle size (PSD)	¹	Following value in silt column denotes combined clay and silt fraction	
	p	Following value in clay column denotes sedimentation by pipette, else sedimentation is by hydrometer.	

Summary of Laboratory Soil Tests: Strength and Permeability Tests

Triaxial	UU	Single stage unconsolidated quick undrained	UUM	Multi stage unconsolidated quick undrained
	UU3	Set of 3 unconsolidated quick undrained	CU	Single stage consolidated undrained
	CUM	Multi stage consolidated undrained	CU3	Set of 3 consolidated undrained
	CD	Single stage consolidated drained	CDM	Multi stage consolidated drained
	CD3	Set of 3 consolidated drained		
	Note that single stage tests are reported assuming $f = 0$ for total stress and $c' = 0$ for effective stress			
Consol	Oed	One-dimensional oedometer	Hyd	Hydraulic cell consolidation
	m_v	coefficient of compressibility quoted for p_0 to $p_0 + 100\text{kPa}$, where determined		
Permeability	C	Constant head permeability	T	Triaxial permeability
Shearbox	SSB	Small shear box	LSB	Large shear box
	p	Peak value	r	Residual value
	RS	Ring shear		

Summary of Laboratory Soil Re-Use Test

MCV	s	MCV value at natural or specified moisture content	int	27/02/2026
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Summary of Laboratory Rock Strength Tests

Point Load	Type	D	Diametral	A	Axial
(Combination of)		I	Irregular lump	B	Block
		L	Test performed parallel to planes of weakness		
		P	Test performed perpendicular to planes of weakness		
		X	Invalid failure of point load (not broken between points of load application)		

Summary of Laboratory Rock Materials Tests

Ten% fines	w	Soaked test	d	Dry test
------------	---	-------------	---	----------

Point Load Index Result

Point Load	Type	D	Diametral	A	Axial
(Combination of)		I	Irregular lump	B	Block
		L	Parallel to planes of weakness	P	Perpendicular to planes of weakness
		X	Invalid failure of point load (not broken between points of load application)		
Dimensions		W	Diameter of core or average smallest width perpendicular to axis of loading in a block or irregular lump		
		D	Distance between platens when just in contact with specimen		
		D'	Distance between platens at point of failure		
		De	Equivalent core diameter	Is	P/De^2
		Is(50)	$F \times Is$	F	$(De/50)^{0.45}$
		Is(50) point load strength index corrected for a diametral test of core diameter 50mm			
		For Axial/Lump tests $De^2 = (4/\pi) \times (W \times D')$		For Diametral tests $De^2 = D \times D'$	

Important note: summary sheets are provided for convenience and in no way replace individual test result sheets which shall, without exception, be regarded as the definitive result.

Project Name	Markfield Services (UK26.7708)	Water Content		Hole ID	WS04	
Project No.	LT2075			Sample Depth	4.30m	
Engineer	EPS			Sample Number	4	
Employer	EPS			Sample Type	D	
Description	Brown sandy gravelly CLAY.	BS 1377-2:2022 Clause 4.1 / BS EN ISO 17892-1:2014+A1:2022		Specimen Depth	4.30m	
				Specimen Number	2	
Water content		14.2	%			
Oven temperature		105/110	°C			
Is test result assumed to be a natural water content?		Yes				
Remarks						
Results relate only to the items tested. The laboratory has not been responsible for the sampling stage, so results apply to the sample as received.						
Approved by:	Leeds Laboratory					
Steve Harper			Print date			01/03/2026
Revision No.	1.01	Issue Date	01/05/2024			

Project Name	Markfield Services (UK26.7708)	Water Content	Hole ID WS06
Project No.	LT2075		Sample Depth 2.80m
Engineer	EPS		Sample Number 1
Employer	EPS		Sample Type D
Description	Brown gravelly slightly clayey SAND.		Specimen Depth 2.80m
			Specimen Number 2

Water content	10.4	%
Oven temperature	105/110	°C
Is test result assumed to be a natural water content?	Yes	

Remarks

Results relate only to the items tested. The laboratory has not been responsible for the sampling stage, so results apply to the sample as received.

Approved by:
Steve Harper

Leeds Laboratory

Print date 01/03/2026

Revision No.	1.01
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Issue Date	01/05/2024
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Project Name	Markfield Services (UK26.7708)	Water Content		Hole ID	WS10	
Project No.	LT2075			Sample Depth	0.50m	
Engineer	EPS			Sample Number	1	
Employer	EPS			Sample Type	B	
Description	Brown very gravelly sandy CLAY.			Specimen Depth	0.50m	
				Specimen Number	2	
Water content 14.2 % Oven temperature 105/110 °C Is test result assumed to be a natural water content? Yes Remarks						
Results relate only to the items tested. The laboratory has not been responsible for the sampling stage, so results apply to the sample as received.						
Approved by:	Leeds Laboratory					
Steve Harper			Print date			01/03/2026
Revision No.	1.01	Issue Date	01/05/2024			

Project Name	Markfield Services (UK26.7708)	Liquid Limit (Fall Cone) And Plastic Limit Test BS 1377-2: 2022 / BS EN ISO 17892-12:2018+A2:2022	Hole ID	WS01
Project No.	LT2075		Sample Depth	0.90m
Engineer	EPS		Sample Number	1
Employer	EPS		Sample Type	B
Description	Brown slightly gravelly slightly sandy CLAY.		Specimen Depth	0.90m
			Specimen Number	1

Cone Penetration mm

As received water content:	18.8%	Estimated percentage passing 425µm sieve:	93%
Liquid limit:	29%	Preparation of sample:	Natural
Plastic limit:	16%	Remarks:	Test performed with 80g/30deg cone Scheduled as 1 point test.
Plasticity index:	13%		
Water content of soil passing 425µm	20.1%		
Liquidity index:	0.314		

A-Line plot after Casagrande 1932. Does not form part of accredited test activities.

Liquid Limit (%)

Results relate only to the items tested. The laboratory has not been responsible for the sampling stage, so results apply to the sample as received.

Approved by:	Leeds Laboratory	
Steve Harper		Print date 01/03/2026
Revision No. 3.01	Issue Date 13/11/2025	

Project Name	Markfield Services (UK26.7708)	Liquid Limit (Fall Cone) And Plastic Limit Test BS 1377-2: 2022 / BS EN ISO 17892-12:2018+A2:2022	Hole ID	WS01
Project No.	LT2075		Sample Depth	2.00m
Engineer	EPS		Sample Number	2
Employer	EPS		Sample Type	D
Description	Brown slightly gravelly slightly sandy CLAY.		Specimen Depth	2.00m
			Specimen Number	1

Cone Penetration mm

As received water content:	14.1%	Estimated percentage passing 425µm sieve:	97%
Liquid limit:	22%	Preparation of sample:	Natural
Plastic limit:	13%	Remarks:	Test performed with 80g/30deg cone Scheduled as 1 point test.
Plasticity index:	9%		
Water content of soil passing 425µm	14.5%		
Liquidity index:	0.169		

A-Line plot after Casagrande 1932. Does not form part of accredited test activities.

Liquid Limit (%)

Results relate only to the items tested. The laboratory has not been responsible for the sampling stage, so results apply to the sample as received.

Approved by:	Leeds Laboratory	
Steve Harper		Print date 01/03/2026
Revision No. 3.01	Issue Date 13/11/2025	

Project Name	Markfield Services (UK26.7708)	Liquid Limit (Fall Cone) And Plastic Limit Test BS 1377-2: 2022 / BS EN ISO 17892-12:2018+A2:2022	Hole ID	WS02
Project No.	LT2075		Sample Depth	2.80m
Engineer	EPS		Sample Number	1
Employer	EPS		Sample Type	D
Description	Brown gravelly sandy CLAY.		Specimen Depth	2.80m
			Specimen Number	1

Cone Penetration mm

As received water content:	18.3%	Estimated percentage passing 425µm sieve:	99%
Liquid limit:	43%	Preparation of sample:	Natural
Plastic limit:	16%	Remarks:	Test performed with 80g/30deg cone Scheduled as 1 point test.
Plasticity index:	27%		
Water content of soil passing 425µm	18.4%		
Liquidity index:	0.089		

A-Line plot after Casagrande 1932. Does not form part of accredited test activities.

Liquid Limit (%)

Results relate only to the items tested. The laboratory has not been responsible for the sampling stage, so results apply to the sample as received.

Approved by:	Leeds Laboratory		
Steve Harper		Print date 01/03/2026	
Revision No. 3.01	Issue Date 13/11/2025		

Project Name	Markfield Services (UK26.7708)	Liquid Limit (Fall Cone) And Plastic Limit Test BS 1377-2: 2022 / BS EN ISO 17892-12:2018+A2:2022	Hole ID	WS04
Project No.	LT2075		Sample Depth	4.30m
Engineer	EPS		Sample Number	4
Employer	EPS		Sample Type	D
Description	Brown sandy gravelly CLAY.		Specimen Depth	4.30m
			Specimen Number	1

Cone Penetration mm

As received water content:	14.2%	Estimated percentage passing 425µm sieve:	90%
Liquid limit:	27%	Preparation of sample:	Natural
Plastic limit:	12%	Remarks:	Test performed with 80g/30deg cone Scheduled as 1 point test.
Plasticity index:	15%		
Water content of soil passing 425µm	15.9%		
Liquidity index:	0.259		

A-Line plot after Casagrande 1932. Does not form part of accredited test activities.

Liquid Limit (%)

Results relate only to the items tested. The laboratory has not been responsible for the sampling stage, so results apply to the sample as received.

Approved by:	Leeds Laboratory	
Steve Harper		Print date 01/03/2026
Revision No. 3.01	Issue Date 13/11/2025	

Project Name	Markfield Services (UK26.7708)	Liquid Limit (Fall Cone) And Plastic Limit Test BS 1377-2: 2022 / BS EN ISO 17892-12:2018+A2:2022	Hole ID	WS06
Project No.	LT2075		Sample Depth	2.80m
Engineer	EPS		Sample Number	1
Employer	EPS		Sample Type	D
Description	Brown gravelly slightly clayey SAND.		Specimen Depth	2.80m
			Specimen Number	1

Cone Penetration mm

As received water content:	10.4%	Measured percentage passing 425µm sieve:	82%
Liquid limit:	28%	Preparation of sample:	Wet sieve
Plastic limit:	14%	Remarks:	Test performed with 80g/30deg cone Scheduled as 1 point test.
Plasticity index:	14%		
Water content of soil passing 425µm	12.8%		
Liquidity index:	-0.089		

A-Line plot after Casagrande 1932. Does not form part of accredited test activities.

Liquid Limit (%)

Results relate only to the items tested. The laboratory has not been responsible for the sampling stage, so results apply to the sample as received.

Approved by:	Leeds Laboratory	
Steve Harper		Print date 01/03/2026
Revision No. 3.01	Issue Date 13/11/2025	

Project Name	Markfield Services (UK26.7708)	Liquid Limit (Fall Cone) And Plastic Limit Test BS 1377-2: 2022 / BS EN ISO 17892-12:2018+A2:2022	Hole ID	WS09
Project No.	LT2075		Sample Depth	1.80m
Engineer	EPS		Sample Number	1
Employer	EPS		Sample Type	D
Description	Dark brown sandy slightly gravelly CLAY with rootlets.		Specimen Depth	1.80m
			Specimen Number	1

Cone Penetration mm

As received water content:	25.5%	Estimated percentage passing 425µm sieve:	99%
Liquid limit:	53%	Preparation of sample:	Natural
Plastic limit:	30%	Remarks:	Test performed with 80g/30deg cone Scheduled as 1 point test.
Plasticity index:	23%		
Water content of soil passing 425µm	25.8%		
Liquidity index:	-0.184		

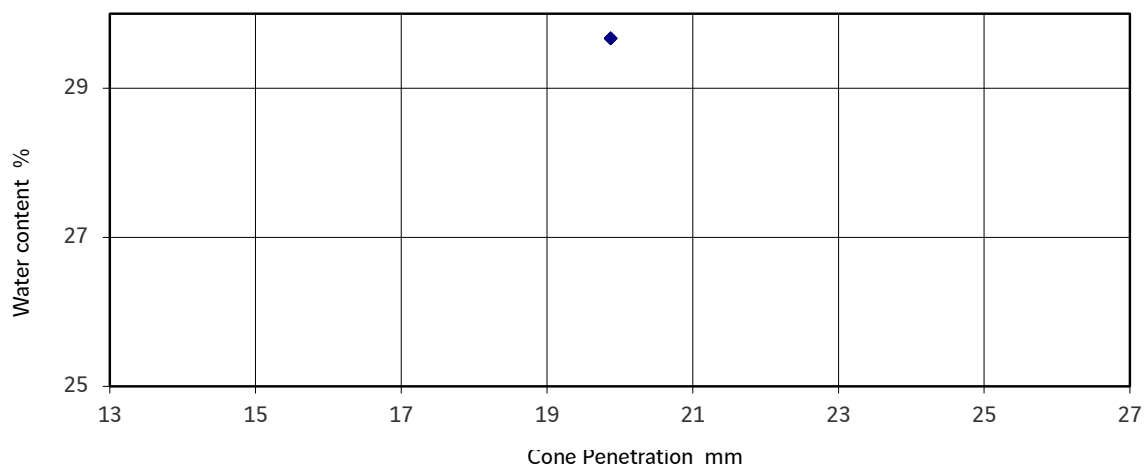
A-Line plot after Casagrande 1932. Does not form part of accredited test activities.

Liquid Limit (%)

Results relate only to the items tested. The laboratory has not been responsible for the sampling stage, so results apply to the sample as received.

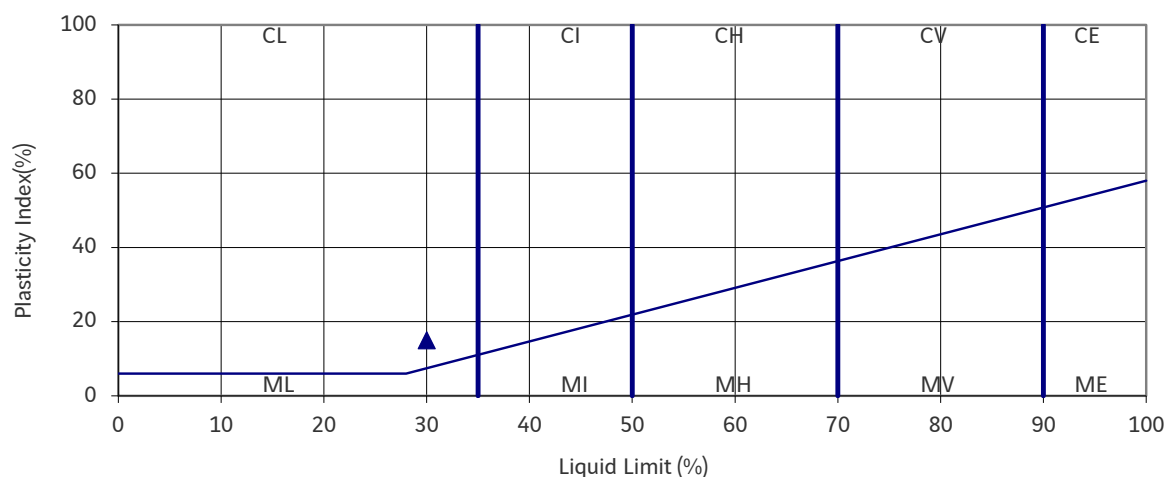
Approved by:	Leeds Laboratory	
Steve Harper		Print date 01/03/2026
Revision No. 3.01	Issue Date 13/11/2025	

Project Name	Markfield Services (UK26.7708)	Liquid Limit (Fall Cone) And Plastic Limit Test BS 1377-2: 2022 / BS EN ISO 17892-12:2018+A2:2022	Hole ID	WS10
Project No.	LT2075		Sample Depth	0.50m
Engineer	EPS		Sample Number	1
Employer	EPS		Sample Type	B
Description	Brown very gravelly sandy CLAY.		Specimen Depth	0.50m
			Specimen Number	1



As received water content:	14.2%	Measured percentage passing 425µm sieve:	60%
Liquid limit:	30%	Preparation of sample:	Wet sieve
Plastic limit:	15%	Remarks:	Test performed with 80g/30deg cone Scheduled as 1 point test.
Plasticity index:	15%		
Water content of soil passing 425µm	23.7%		
Liquidity index:	0.580		

A-Line plot after Casagrande 1932. Does not form part of accredited test activities.



Results relate only to the items tested. The laboratory has not been responsible for the sampling stage, so results apply to the sample as received.

Approved by:	Leeds Laboratory	
Steve Harper		Print date 01/03/2026
Revision No. 3.01	Issue Date 13/11/2025	

Project Name	Markfield Services (UK26.7708)	Liquid Limit (Fall Cone) And Plastic Limit Test BS 1377-2: 2022 / BS EN ISO 17892-12:2018+A2:2022	Hole ID	WS10
Project No.	LT2075		Sample Depth	2.60m
Engineer	EPS		Sample Number	2
Employer	EPS		Sample Type	D
Description	Brown gravelly sandy CLAY.		Specimen Depth	2.60m
			Specimen Number	1

Cone Penetration mm

As received water content:	10.5%	Measured percentage passing 425µm sieve:	74%
Liquid limit:	34%	Preparation of sample:	Wet sieve
Plastic limit:	12%	Remarks:	Test performed with 80g/30deg cone Scheduled as 1 point test.
Plasticity index:	22%		
Water content of soil passing 425µm	14.3%		
Liquidity index:	0.104		

A-Line plot after Casagrande 1932. Does not form part of accredited test activities.

Liquid Limit (%)

Results relate only to the items tested. The laboratory has not been responsible for the sampling stage, so results apply to the sample as received.

Approved by:	Leeds Laboratory	
Steve Harper		Print date 01/03/2026
Revision No. 3.01	Issue Date 13/11/2025	

Project Name	Markfield Services (UK26.7708)	Liquid Limit (Fall Cone) And Plastic Limit Test BS 1377-2: 2022 / BS EN ISO 17892-12:2018+A2:2022	Hole ID	WS10
Project No.	LT2075		Sample Depth	4.70m
Engineer	EPS		Sample Number	3
Employer	EPS		Sample Type	D
Description	Brown slightly gravelly slightly sandy CLAY.		Specimen Depth	4.70m
			Specimen Number	1

Cone Penetration mm

As received water content:	17.8%	Estimated percentage passing 425µm sieve:	97%
Liquid limit:	39%	Preparation of sample:	Natural
Plastic limit:	18%	Remarks:	Test performed with 80g/30deg cone Scheduled as 1 point test.
Plasticity index:	21%		
Water content of soil passing 425µm	18.3%		
Liquidity index:	0.015		

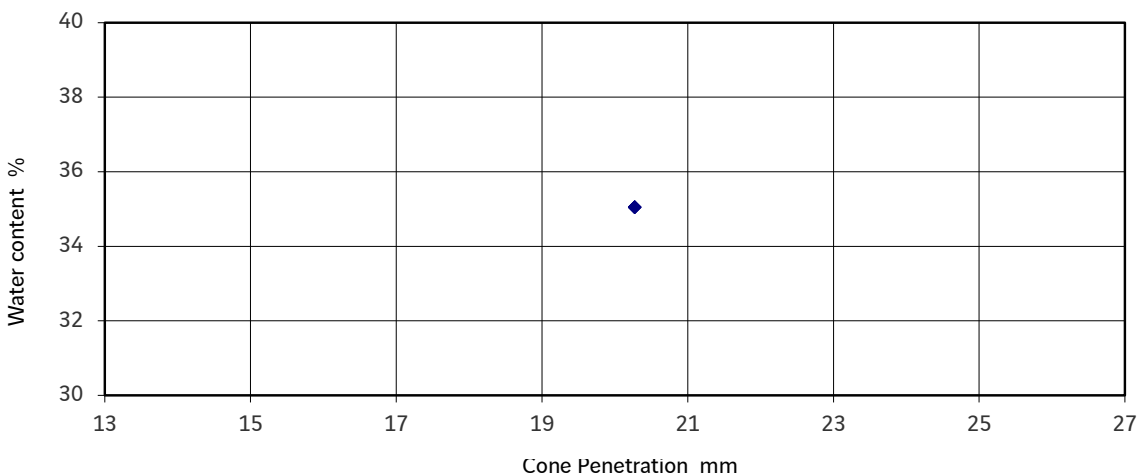
A-Line plot after Casagrande 1932. Does not form part of accredited test activities.

Liquid Limit (%)

Results relate only to the items tested. The laboratory has not been responsible for the sampling stage, so results apply to the sample as received.

Approved by:	Leeds Laboratory	
Steve Harper		Print date 01/03/2026
Revision No. 3.01	Issue Date 13/11/2025	

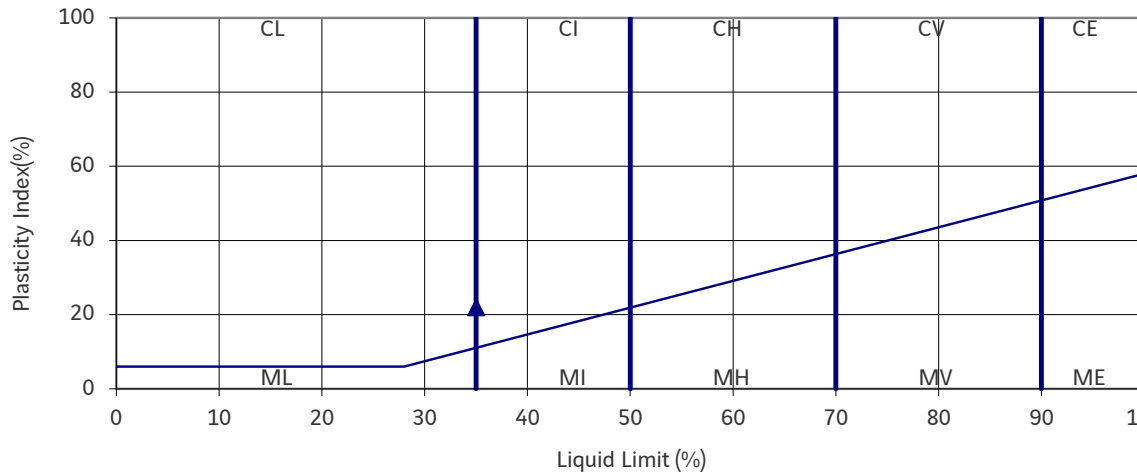
Project Name Markfield Services (UK26.7708) Project No. LT2075 Engineer EPS Employer EPS	Liquid Limit (Fall Cone) And Plastic Limit Test BS 1377-2: 2022 / BS EN ISO 17892-12:2018+A2:2022	Hole ID WS11 Sample Depth 0.60m Sample Number 1 Sample Type D
Description Greyish brown slightly gravelly sandy CLAY.		Specimen Depth 0.60m Specimen Number 1



Cone Penetration mm

As received water content:	18.2%	Estimated percentage passing 425µm sieve:	97%
Liquid limit:	35%	Preparation of sample: Natural	
Plastic limit:	13%	Remarks: Test performed with 80g/30deg cone Scheduled as 1 point test.	
Plasticity index:	22%		
Water content of soil passing 425µm	18.7%		
Liquidity index:	0.257		

A-Line plot after Casagrande 1932. Does not form part of accredited test activities.



Liquid Limit (%)

Results relate only to the items tested. The laboratory has not been responsible for the sampling stage, so results apply to the sample as received.

Approved by: Steve Harper	Leeds Laboratory Revision No. 3.01 Issue Date 13/11/2025	Print date 01/03/2026 SOIL ENGINEERING
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Project Name Markfield Services (UK26.7708)		Particle Size Distribution BS 1377-2:2022 Clause 10/BS EN ISO 17892-4: 2016: 5.2 and 5.4	Hole ID WS07
Project No. LT2075			Sample Depth 2.90m
Engineer EPS			Sample Number 1
Employer EPS			Sample type D
Description Brown gravelly clayey SAND.			Specimen Depth 2.90m
			Specimen No. 1
100 90 80 70 60 50 40 30 20 10 0 Percentage Passing (%) 0.0020.00060.030.060.20.6262060 Sieve Size (mm)			
CLAY Fine Medium Coarse SILT Fine Medium Coarse SAND Fine Medium Coarse GRAVEL COBBLES			
PARTICLE SIZE Clay: 4.7 Silt: 11.8 Sand: 45.5 Gravel: 38.0 Cobbles: 0.0		General remarks Sample size was insufficient to comply with the recommended minimum mass. Particle density: 2.65Mg/m³ Assumed	
WET SIEVE DATA Sieve size mmCumulative % passing 125.0100 90.0100 75.0100 63.0100 50.0100 37.5100 28.091 20.077 Sieve size mmCumulative % passing 1476 1073 6.369 568 3.3565 262 1.1859 0.654 0.42549 0.339 0.21230 0.1525 0.06317 SEDIMENTATION DATA Equivalent particle diameter mmCumulative % passing 0.0201009 0.0059806 0.0019905			
Results relate only to the items tested. The laboratory has not been responsible for the sampling stage, so results apply to the sample as received.			
Approved by: Steve Harper		Print date 01/03/2026	
Revision No. 3.07		Issue Date 01/05/2024	
		SOIL ENGINEERING	

Project Name Markfield Services (UK26.7708) Project No. LT2075 Engineer EPS Employer EPS	California Bearing Ratio Test BS 1377-2:2022: 15	Hole ID WS01 Sample Depth 0.90m Sample Number 1 Sample Type B Specimen Depth 0.90m Specimen Number 3
Description Brown slightly gravelly slightly clayey SAND.		

<table style="width: 100%;"> <tr> <th colspan="3">CBR values %</th> </tr> <tr> <td style="width: 30%;">Penetration</td> <td style="width: 30%;">Top</td> <td style="width: 40%;">Base</td> </tr> <tr> <td>2.50 mm</td> <td>0.7</td> <td>0.6</td> </tr> <tr> <td>5.00 mm</td> <td>1.0</td> <td>1.0</td> </tr> <tr> <td colspan="3">Curve correction</td> </tr> </table>	CBR values %			Penetration	Top	Base	2.50 mm	0.7	0.6	5.00 mm	1.0	1.0	Curve correction			<table style="width: 100%;"> <tr> <td style="width: 60%;">As received water content</td> <td style="width: 20%;">19.6</td> <td style="width: 20%;">%</td> </tr> <tr> <td>Water content - top</td> <td>19.4</td> <td>%</td> </tr> <tr> <td>Water content - base</td> <td>19.5</td> <td>%</td> </tr> <tr> <td>Initial bulk density</td> <td>2.05</td> <td>Mg/m³</td> </tr> <tr> <td>Initial dry density</td> <td>1.71</td> <td>Mg/m³</td> </tr> </table>	As received water content	19.6	%	Water content - top	19.4	%	Water content - base	19.5	%	Initial bulk density	2.05	Mg/m ³	Initial dry density	1.71	Mg/m ³
CBR values %																															
Penetration	Top	Base																													
2.50 mm	0.7	0.6																													
5.00 mm	1.0	1.0																													
Curve correction																															
As received water content	19.6	%																													
Water content - top	19.4	%																													
Water content - base	19.5	%																													
Initial bulk density	2.05	Mg/m ³																													
Initial dry density	1.71	Mg/m ³																													
<table style="width: 100%;"> <tr> <td style="width: 30%;">Seating load - top</td> <td style="width: 30%;">10</td> <td style="width: 40%;">N</td> </tr> <tr> <td>Seating load - base</td> <td>10</td> <td>N</td> </tr> <tr> <td>Surcharge</td> <td>15.1</td> <td>kg / 10 kPa</td> </tr> <tr> <td>Gravel retained on 20mm sieve</td> <td>0</td> <td>%</td> </tr> <tr> <td>Gravel retained on 37.5mm sieve</td> <td>0</td> <td>%</td> </tr> </table>	Seating load - top	10	N	Seating load - base	10	N	Surcharge	15.1	kg / 10 kPa	Gravel retained on 20mm sieve	0	%	Gravel retained on 37.5mm sieve	0	%	<table style="width: 100%;"> <tr> <td style="width: 60%;">Method of compaction</td> <td style="width: 40%;">2.5kg rammer</td> </tr> </table>	Method of compaction	2.5kg rammer													
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Method of compaction	2.5kg rammer																														

General remarks Unsoaked.
 Deviation from test method None
 Results relate only to the items tested. The laboratory has not been responsible for the sampling stage, so results apply to the sample as received.

Approved by: Steve Harper	<table style="width: 100%;"> <tr> <td style="width: 30%; height: 20px;"></td> <td style="width: 70%; height: 20px;"></td> </tr> <tr> <td style="width: 30%; height: 20px;"></td> <td style="width: 70%; height: 20px;"></td> </tr> </table>					<table style="width: 100%;"> <tr> <td style="width: 60%;">Print date</td> <td style="width: 40%;">01/03/2026</td> </tr> <tr> <td>Revision No.</td> <td>2.09</td> </tr> <tr> <td>Issue Date</td> <td>29/10/2024</td> </tr> </table>	Print date	01/03/2026	Revision No.	2.09	Issue Date	29/10/2024
Print date	01/03/2026											
Revision No.	2.09											
Issue Date	29/10/2024											

Project Name Markfield Services (UK26.7708)		California Bearing Ratio Test BS 1377-2:2022: 15		Hole ID WS10	
Project No. LT2075				Sample Depth 0.50m	
Engineer EPS				Sample Number 1	
Employer EPS				Sample Type B	
Description Brown gravelly sandy CLAY.				Specimen Depth 0.50m	
				Specimen Number 3	

The graph plots Force applied (kN) on the y-axis (0.00 to 0.60) against Penetration (mm) on the x-axis (0.0 to 7.5). It shows two main data series: Top data (blue line with 'x' markers) and Base data (orange line with dots). For each series, points are plotted at 2.5 mm and 5.0 mm penetration, with corresponding correction lines (dashed) extending to the y-axis. The Top data shows a higher force for the same penetration compared to the Base data.

Penetration CBR values % Top Base Accepted CBR 2.50 mm 1.3 1.3 1.9 5.00 mm 1.8 1.9 Curve correction				As received water content 14.2 % Water content - top 13.7 % Water content - base 13.5 % Initial bulk density 2.19 Mg/m ³ Initial dry density 1.93 Mg/m ³	
Seating load - top 10 N Seating load - base 10 N Surcharge 15.1 kg / 10 kPa Gravel retained on 20mm sieve 4.7 % Gravel retained on 37.5mm sieve 1.6 %				Method of compaction 2.5kg rammer	
General remarks Unsoaked. Deviation from test method None Results relate only to the items tested. The laboratory has not been responsible for the sampling stage, so results apply to the sample as received.					

Approved by:					
Steve Harper				Print date 01/03/2026	
Revision No. 2.09		Issue Date 29/10/2024			

APPENDIX M

Generic Screening Criteria

EPS Generic Quantitative Risk Assessment - Commercial

Contaminant	Soil Targets			Groundwater Targets		
	Human Health	Controlled Waters		Human Health	Controlled Waters	
		Surface Water	Groundwater		Surface Water	Groundwater
Unit	mg/kg			µg/l		
Arsenic	See C4SL	n/c	n/c	n/c	50	10
Cadmium	See C4SL	n/c	n/c	n/c	1.5	5
Chromium III	8600	n/c	n/c	n/c	15	50
Chromium VI	See C4SL	n/c	n/c	n/c	3.4	
Copper	68000	n/c	n/c	n/c	93.1#	2000
Mercury (elemental)	58	n/c	n/c	95 (sol)	0.07	1
Nickel	980	n/c	n/c	n/c	14.8#	20
Lead	See C4SL	n/c	n/c	n/c	27.7#	10
Selenium	12000	n/c	n/c	n/c	10	10
Zinc	730000	n/c	n/c	n/c	373#	3000
Benzene	See C4SL	0.020	0.0020	20,000	10	1
Toluene	56000* (869)	0.399	3.77	21,000,000 (sol)	74	700
Ethylbenzene	5700* (518)	0.23	3.4	960,000 (sol)	20	300
Xylene (para)	5900** (576)	0.351	5.86	980,000 (sol)	30	500
MTBE	7900	0.00864		7,800,000	15	15
Benzo(a)Pyrene	see C4SL	n/c	n/c	n/c	0.27	0.01
Naphthalene	see C4SL	n/c	n/c	190,000 (sol)	2	2
Aliphatic C5-C6	3200** (304)	7.67		190,000 (sol)	300†	300†
Aliphatic C6-C8	7800** (144)	32.4		150,000 (sol)	300†	300†
Aliphatic C8-C10	2000** (78)	241		5,700	300	300
Aliphatic C10-C12	9700** (48)	1,890		3,600	300	300
Aliphatic C12-C16	59000** (24)	37,600		n/c	300	300
Aliphatic C16-C35	1600000	n/c		n/c	-	-
Aromatic C8-C10	3500* (613)	12		190,000 (sol)	300	300
Aromatic C10-C12	16000** (364)	5.67		660,000 (sol)	90	90
Aromatic C12-C16	36000** (169)	11.3		3,700,000 (sol)	90	90
Aromatic C16-C21	28000	35.6		n/c	90	90
Aromatic C21-C35	28000	284		n/c	90	90
Tetrachloroethene	See C4SL	0.07		6,100	10	10
Trichloroethene	See C4SL	0.04		310	10	10
cis-1,2 Dichloroethene	see C4SL	0.0657		36,000	-	-
Vinyl Chloride	See C4SL	0.0005		1,200	0.5	0.5
PFOS	See C4SL	0.000956		n/c	0.1	0.1
PFOA	See C4SL	0.000314		n/c	0.1	0.1
Asbestos##	0.001%	-	-	-	-	-

Notes:

* = S4UL exceeds vapour saturation limit (in brackets) ** = S4UL exceeds solubility saturation limit (in brackets) (sol) = exceeds solubility levels
n/c = not calculated. Under normal conditions contaminant exhibits low solubility /volatility, therefore risks from leaching and or vapour pathways are considered low.

To establish suitable compliance criteria for Surface Water, review of baseline groundwater quality in England and Wales was completed following research reported in Shand, P, Edmunds, W M, Lawrence, A R, Smedley, P L, and Burke, S. 2007. The natural (baseline) quality of groundwater in England and Wales. British Geological Survey Research Report No. RR/07/06. Where compliance criteria was found below the 97.7 percentile of baseline value, the latter was adopted as GAC.

Where assessment of the risk to human health from asbestos in soil is concerned there is no nationally recognised suitable for use /generic screening value commonly referred to through the planning system. As such, EPS has adopted a conservative value of 0.001% as a screening tool for initial risk assessment, although this should be supplemented with a qualitative assessment of the risk.

Soil Targets

Targets for Human Health have been taken from S4ULs 'Suitable For Use Levels for Human Health Risk Assessment' – LQM and CIEH (2014) derived using standard sandy loam soil with 1% SOM, except (*) = EIC/AGS/CL:AIRE GAC 'Soil Generic Assessment Criteria' (2010). For sites where ground conditions differ significantly from sandy loam or site-specific SOM and pH are available, the generic human health targets may be revised.

Targets for Controlled waters have been derived using EA Remedial Targets Worksheet (v3.1) - using standard Sandy Loam ground conditions as described in Science Report SC050021/SR3, literature values for chemical parameters and with criteria of EQS or UKDWS for Surface Water and Groundwater respectively (see notes for GW targets).

Groundwater Targets

For Surface Water, targets have been taken as Freshwater EQS, using the annual average where available, or else the maximum allowable concentration. For MTBE, in the absence of UK EQS, the UKDWS has been used. For individual TPH fractions, in absence of UK EQS, the WHO Drinking Water Standards have been used.

For Groundwater, targets have been taken as UKDWS where available. In the absence of UK targets internationally recognised criteria were adopted, notably WHO Drinking Water Standards for individual TPH fractions, BTEX and MTBE. † = Aliphatic C5-C8 ranges have utilised the longer chain values on a conservative basis (300ug/l compared to the published 15,000ug/l).

Targets for Human Health have been taken from Society of Brownfield Risk Assessment (SoBRA) 'Development of Generic Assessment Criteria for Assessing Vapour Risks to Human Health from Volatile Contaminants in Groundwater' - Version 2.0, September 2024, derived using sandy soil and 1%SOM. GAC were set up assuming source at 50cm below typical ground bearing slab of 15cm thickness. GAC were derived for vapour pathways only. For sites where ground conditions, or differ significantly from described above, the generic human health targets may be revised.



EPS Generic Quantitative Risk Assessment

Generic Screening Criteria (C4SLs) - All Land Uses

	Soil Targets					
Contaminant	Residential		Allotments	Commercial	Public Open Spaces	
	With Home Grown Produce	Without Home Grown Produce			Residential	Parks
Unit	mg/kg					
Arsenic	37	40	49	640	79	168
Benzene	0.87	3.3	0.18	98	140	230
Benzo(a)pyrene	5	5.3	5.7	76	10	21
Cadmium	26	149	4.9	410	220	880
Chromium (VI)	21	21	170	49	23	250
Lead	200	310	80	2330	630	1300
Chloroethene (Vinyl Chloride)	0.0064	0.015	0.0017	1.1	7.8	18
Trichloroethene (TCE)	0.0093	0.097	0.032	0.73	76	41
Tetrachloroethene (PCE)	0.31	0.32	2	24	3200	1400
cis-1,2 Dichloroethene	0.46	0.5	0.89	38	3800	2000
Naphthalene	15	15	65	1600	11000	800
PFOS	0.013	0.041	0.0027	0.6	0.079	0.17
PFOA	0.0076	0.041	0.0014	0.6	0.079	0.17

Notes:

Targets for Human Health have been taken from the publicly available Category 4 Screening Levels (C4SLs) for assessment of land affected by contamination issued by DEFRA/CL:AIRE between December 2013 and May 2024.

Within the modelling for the original six C4SLs (Arsenic, Benzene, Benzo(a)pyrene, Cadmium, Chromium VI, Lead), a Soil Organic Matter content of 6% was used. This differs from the older Suitable for Use Levels (S4ULs) which modelled contaminants with 1%, 2.5% and 6% SOM, with the latter the least conservative. These numbers are therefore not particularly conservative, however sensitivity analysis has shown that a change in SOM only makes a notable difference for Benzene and therefore caution should be taken when using the value for Benzene. For the remaining, newer C4SLs, these were modelled in all SOM and therefore the most conservative 1% values have been used. Reference to site-specific data should be made where possible.

APPENDIX N

Cover Soils Checklist



ADVISORY NOTE:

SOILS FOR USE IN COVER SYSTEMS

EPS' simple soil-based cover systems are designed in general accordance 'BRE465 - Cover Systems for Land Regeneration, Thickness of Cover Systems for Contaminated Land (2004)'. Local Authority guidance may also apply, including the National Contaminated Land Officers Group (NCLOG) 'A Regulator's Guide to Cover Systems and their Verification' (2024). Input from the local authority is welcomed on the use of BRE465 and whether an alternative approach would be preferred in their district, as EPS acknowledge it is not universally accepted (albeit not withdrawn as of January 2026).

Where a specific thickness has been defined, it is what EPS considers sufficient to mitigate the risks from underlying contamination through complete intermixing with the clean cover soils over time, balanced against the realistic quality of soils available in the UK and the overall sustainability of the scheme. The aim being that an acceptable reduction in exposure to contamination is achieved, rather than absolute prevention.

EPS usually carry out a verification exercise of your site to demonstrate that the cover system has been implemented as intended in order to satisfy the planning process, where the visual quality and thickness will need to be checked on-site. If you wish EPS to do this, please call us **before purchasing soil** and read the following advisory:

Pre-Verification Check:

EPS' strongly recommends soils are sourced from British Sugar (i.e. Landscape 20 product) wherever possible. This should be accompanied with evidence of delivery to your site and the accompanying Tim O'Hare Associates Soil Quality Report. British Sugar soil from beet washings is usually high quality and that is confirmed at source, although generally only available in East Anglia & the South East.

If other soils have been used (i.e. recycled/screened), EPS will need to inspect and test them. This should be done from a stockpile prior to installation. If the soils are put into gardens before testing, it may need to all be removed later if the testing fails so this is not advisable. Often recycled soils are not suitable for use in cover systems.

EPS Contact Details:

Tel: 01954 710666 Email: info@epstrategies.co.uk

APPENDIX O

Method Statement for Encountering Unexpected Contamination



METHOD STATEMENT

ACTIONS TO BE TAKEN IN THE EVENT OF DISCOVERING UNEXPECTED CONTAMINATION DURING INTRUSIVE GROUNDWORKS

If at any point during intrusive groundworks at a site, evidence of unforeseen contamination is encountered in the form of significant noxious odours, discolouration, or instability within soils or sheen/ discolouration in groundwater, the following actions will be taken:

- Intrusive works in the immediate area of the impacted ground will be suspended and the continuation of work in other areas of the site will be considered within the context of the site specific health & safety plan.
- Environmental Protection Strategies Ltd (EPS) will be contacted and appraised of the situation so that arrangements can be made to characterise the impact and determine what action may be necessary in addition to the scheduled site works. Where possible / health & safety plan permits, digital photographs of the impacted ground will be taken and emailed to EPS at the address below to assist in the initial assessment
- It may well be necessary for EPS to attend site to undertake visual inspection and obtain samples for field and/or laboratory analysis, although the actions taken will be dependent on the nature of what is encountered
- In cases where EPS consider the unforeseen contamination likely to pose a significant risk of significant harm to adjacent site users or local environmental receptors, the local authority and the Environment Agency will be informed of the situation and the actions being taken
- Once appropriate action has been agreed and undertaken, a written summary will be produced by EPS for submission to the Local Authority, (and where relevant, the Environment Agency) in accordance with planning requirements. The submission will include details of work undertaken, analytical results of investigative and validation samples obtained and conclusions and recommendations for any further actions considered necessary
- Where regulatory bodies have been involved, site works should only recommence following their agreement and in all cases should only recommence when the site manager considers it safe to do so within the context of the site specific health & safety plan.

EPS Contact Details:

Marcus Bell	Director	Tel: 0787 206 9979
Will Evans	Director	Tel: 0781 253 9655
Steve Bullock	Director	Tel: 0786 694 9221

Email: info@epstrategies.co.uk (Automatically forwarded to the above and office-based personnel)



7b Caxton House
Broad Street
Cambourne
Cambridge CB23 6JN

T +44(0) 1954 710666
E info@epstrategies.co.uk
W www.epstrategies.co.uk

Registered office as above. Environmental Protection Strategies Ltd (04330320) trading as EPS.

