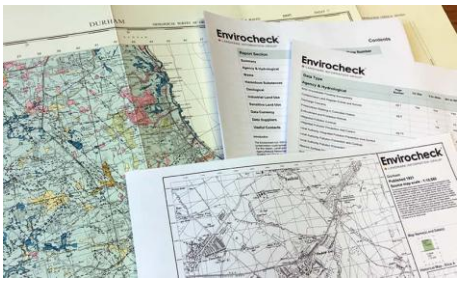



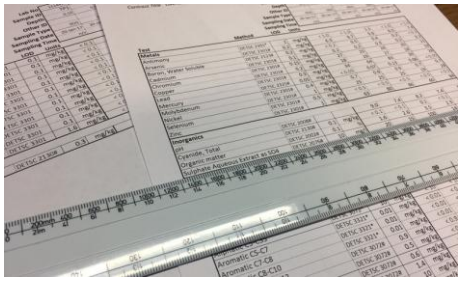

Phase 2: Site Investigation

New Mills, Marsden

Dudleys

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PHASE 2 SITE INVESTIGATION REPORT

NEW MILLS, MARSDEN

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APPENDICES

Revision	Date	Prepared By	Signed
Final	June 2025	L Cassidy *Associate Director*	REDACTED
		Checked By	
		R Izatt – Lowry Consultant	REDACTED
		Approved By	
		R Woods *Managing Director*	REDACTED

1 EXECUTIVE SUMMARY

Site Address	New Mills, Brougham Road, Marsden, HD7 6AB
Proposed Development	The site is outlined for a mixed-use redevelopment, incorporating renovation of existing buildings and construction of new buildings, with associated hardstanding and localised landscaped areas.
Fieldwork	• 14no small percussive boreholes (BH01 to BH14 inclusive) to a maximum depth of 3.50m below ground level (bgl). • 2no surface drills/cores in lieu of boreholes (BH15A and BH15B) • 7no hand excavated trial pits (FETP01 to FETP07) were dug to a maximum depth of 1.40mbgl. • 6no Wall Cores (WC01 to WC06) to a maximum length of 0.82m into the wall. • 1no Floor Core (FC01) to a depth of 1.80mbgl • Inspection of existing slab opening (ES01) and historic core (Core 25) as requested by Dudleys
Ground Conditions	• Made ground was encountered to depths of between 0.60mbgl and 3.50mbgl, particularly within the areas of infilled former mill ponds in the northwestern and central eastern areas • Voids present locally in the northwest and northeast to max depth 3.00m. • Where present, drift deposits comprised loose to medium dense silty sandy gravel, proven to between 1.90 and 3.00mbgl. • Suspected sandstone rockhead encountered between 0.73 and 3.25mbgl. • Groundwater was encountered within FETP07 only at 0.40m, however it is noted that the historic Sirius report encountered groundwater in most positions, between 1.00 and 2.20mbgl.
Contamination Testing Results	• Ten made ground samples tested. • No elevated organic or inorganic determinants. • Asbestos within BH09 – quantification result outstanding. • Slightly acidic to alkaline pH. • 2no leachate and 2no surface water samples tested – elevated PAHs within 1no leachate sample.
Contamination Analysis	• Given the site's proposed commercial land use, the levels of contamination recorded on site are unlikely to pose a risk to the current and future users of the site. • The Arc Exploratory Hole Location Plans (1 to 3) 23-1041 November 2024 record the potential for former tanks in the central western area, south of Solmek BH09 and BH11. Once the existing buildings have been demolished in this area, further investigation should be considered to evaluate whether contamination associated with these tanks requires mitigation, in relation to the proposed development. • If any zones of odorous, brightly coloured or suspected contaminated ground or groundwater are encountered then work should cease in that area until the material has been investigated. The results of the investigation will therefore determine whether or not remediation will be required. • Made ground classed as posing a moderate risk with respect to construction workers. PPE for workers. Damping down of site during dry windy conditions. • Suitable growing medium required for all proposed areas of peripheral landscaping, to be formed from imported materials. • Controlled waters are determined to be at a low pollution risk from onsite contamination. • With respect to utilities pH was variable; as a minimum all services should be laid in clean trenches. • Sub surface concrete should be designed to DS-2 ACEC (Class AC-5z). This assumes static groundwater conditions.
Geotechnical Testing Results	• Granular deposits loose to medium dense based on SPT N values. • Cohesive made ground materials on site are of low strength and of medium volume change potential. • Moisture contents between 28 and 54%. • Converted Point Load Tests indicate UCS values between 1.44 and 24.72MPa. • Within natural soils, sulphates between 15-75mg/l, pH slightly acidic to alkaline.
Geotechnical Analysis & Foundation Recommendations	• The presence of voided structures, relic foundations, the potential for buried tanks and cobbles and boulders require consideration in the design of the proposed development. • Existing foundations to be assessed by a competent structural engineer. • Normal strip foundations or deep trench foundations may be viable where competent sandstone rockhead is present within 2m of finished ground level. A bearing capacity upon rockhead of 150kN/m^2 could be adopted for 0.60m wide strips, at which settlements would be expected to be less than 25mm. • Local deepening of foundations may be necessary due to the variation in the depth of rockhead across the site. • The use of normal strip / trench foundations may be prohibited by the presence of shallow groundwater, which have been identified at depth of between 1-2m bgl historically and may be higher due to seasonal variation. • Where normal foundations are considered uneconomic or unviable, piled foundations could be utilised. • Normal earthworks plant for excavations, although extensive breaking out required and works above voids should be appropriately planned for.

2 INTRODUCTION

2.1 Authorisation

The site investigation described in this report was carried out by Solmek to the instructions of Dudleys, on land located at New Mills, Brougham Road, Marsden, HD7 6AB (Figure 1).

Sources of information, including previous work undertaken at the site, are detailed below:

- *Sirius Geoenvironmental Appraisal (C0823) June 2005.*
- *Arc Environmental Phase 1 Desk Top Study (23-1041) December 2023.*

Reference should be made to the above reports for details of the site's history and environmental setting, the ground conditions encountered, and the results of historical contamination analysis.

2.2 Scope of Works

The site is to be redeveloped with mixed-use commercial and light industrial buildings, entailing the renovation of existing buildings and the construction of new buildings, with associated parking and landscaping.

The following steps may be required in the investigation and remediation of potentially contaminated land:

Phase 1: Desk Study
Phase 2: Intrusive Investigation
Phase 3: Remediation Statement
Phase 4: Validation Reports

Phases 1 and 2 are generally required in the redevelopment of most sites. Phases 3 and 4 are subject to the findings of the initial stages.

A geotechnical and environmental (Phase 2) investigation including a ground gas risk assessment was requested. The fieldwork and testing was generally carried out according to;

- BS 5930:2015+A1:2020 Code of Practice for Ground Investigations
- BS 10175:2011+A1:2013 Investigation of Potentially Contaminated Sites – Code of Practice.
- CIRIA C665:2007 Assessing Risks Posed by Hazardous Ground Gas to Buildings
- BS 8485:2015+A1:2019 Code of Practice for the Characterization and Remediation from Ground Gas in Affected Developments
- Rock and soil descriptions shall be in accordance with BS EN ISO 14689-1:2003, BS EN ISO 14688-1:2002 and BS EN ISO 14688-2:2004

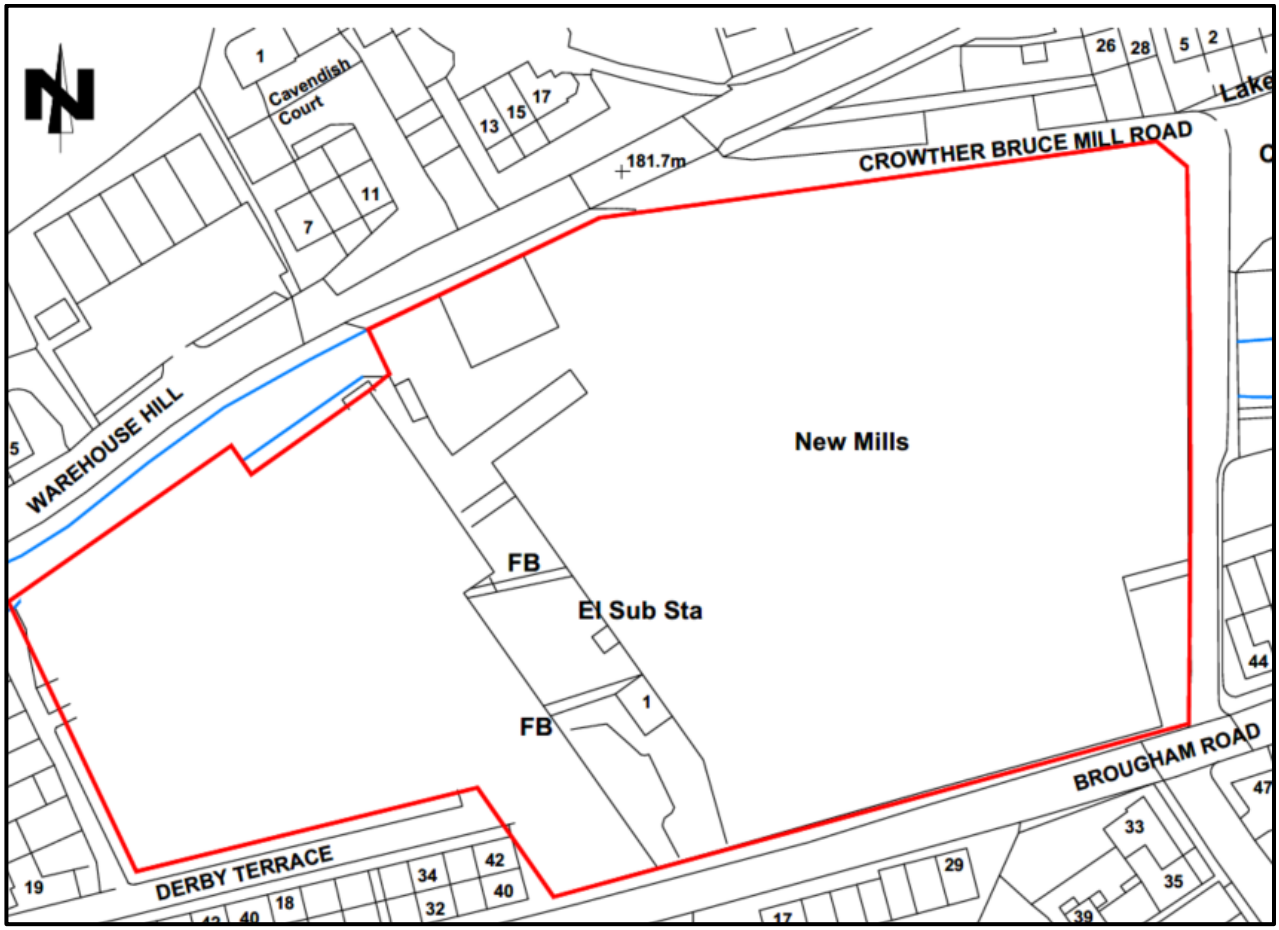
This report forms part of a Stage 1 Risk Assessment (Generic Quantitative Risk Assessment) with respect to the Environment Agency's guidance document Environment Agency *Land Contamination Risk Management*, which replaced the now-withdrawn *Contaminated Land Report 11 – Model Procedures for the Management of Land Contamination (2004)*.

The information provided in this report is based on the investigation fieldwork and is subject to the comments and approval of the various regulatory authorities. There may be other conditions prevailing on the site which have not been disclosed by this investigation and which have not been taken into account by this report. Solmek reserve the right to alter conclusions and recommendations should further information be available or provided. Any schematic representation or opinion of the possible configuration of ground conditions between exploratory holes is conjectural and given for guidance only and confirmation of intermediate ground conditions should be considered if deemed necessary.

3 SITE DESCRIPTION

A site inspection, as recommended in BS 5930 and BS 10175, was undertaken by Arc as part of the Phase 1 Report in 2023, with the site re-appraised by Solmek prior to the intrusive works on 12th May 2025.

The existing layout is shown below:



The site is centred at Ordnance Survey Co-ordinates 405030, 411690 and covers approximately 1.56Ha.

The site is an irregular shaped parcel of land of generally flat topography at an elevation of approximately 182m AOD, albeit split across multiple levels. The stone buildings range from two-storey to six-storey, with large basement areas noted, particularly in the east. A central tower is the tallest existing building, adjoining by a six-storey double-pitched roof building.

The buildings are disused and generally secured although some signs of trespass were noted.

The surrounding areas of the site are mixed with dwellings to the north and east, with commercial buildings to the west and south.

The River Colne runs immediately northwest of the northwestern corner of the site and is culverted beneath the central northern and northeastern corner of the site, as shown in Figure 1.

4 GEOLOGICAL SETTING

4.1 Sources of Information

The following sources were referenced to determine the geological setting of the site:

- British Geological Survey (BGS) 1: 50,000 scale sheet No 86 Glossop.
- BGS GeoIndex borehole (SE01SE/13)
- Sirius Geoenvironmental Appraisal (C0823) June 2005.
- Arc Environmental Phase 1 Desk Top Study (23-1041) December 2023
- Arc Exploratory Hole Location Plans (1 to 3) 23-1041 November 2024

Made Ground

The Historic OS plans record the site to have been developed as a former mill from before 1854 to 2006. As a result of this historic industrial development the River Colne, which was previously in an open channel through the north of the site, until 1906, was then realigned and culverted beneath the mill buildings in the central northern and northeastern areas. Two former ponds, constructed prior to 1892 in the northeastern and central western areas, were then infilled prior to 1906. By 1932, the whole site had been developed with the current layout of the mill buildings.

The BGS map records the site to be immediately south and west of areas of made ground, although no made ground deposits are recorded on the site. Based on the historic OS plans, however, it is anticipated that made ground will exist infilling the two former mill ponds in the northeastern and central western areas of the site, adjacent to the culverted river in the northern area, and associated with the former mill buildings layout prior to 1932, that were demolished and redeveloped as the current building layout..

In addition to made ground deposits, relic structures including the culverted river, basements, voided areas, relic foundations, service ducts and buried tanks are reported in the northeastern, northern and north western areas, as illustrated in the Sirius Exploratory Hole Plan C0823/2 and Arc Phase 1 report and their subsequent exploratory hole location plans.

Natural Deposits

Although the BGS plan records no drift deposits onsite, alluvial deposits, as clay, silt, sand and gravel, are expected in the northern area of the site, associated with the alignment and re-alignment of the River Colne.

Solid Geology

The Solid Geology is indicated to comprise Upper Kinderscout Grit of Sandstone.

BGS borehole (SE01SE/13) located ca. 260m north of the site, within a similar geological setting, recorded inferred rockhead of Kinderscout Grit at 2.50mbgl, underlain by interbedded siltstone, sandstone and mudstone to ca. 28.42mbgl. This was underlain by the Butterfly Marine Band and the Lower Kinderscout Grit.

5 HISTORICAL WORKS

The below reports are understood to have been prepared historically for the site.

- *Sirius Geoenvironmental Appraisal (C0823) June 2005.*
- *Arc Environmental Phase 1 Desk Top Study (23-1041) December 2023.*

Intrusive works comprising coring are understood to have been undertaken by Arc Environmental in November 2024, however only the exploratory hole plans have been provided to Solmek.

The 2005 Sirius report is briefly summarised below.

5.1 Sirius Geoenvironmental Appraisal (C0823) June 2005.

5.1.1 Fieldwork

Eleven window sample boreholes (WS1 to WS11) were drilled on 24th and 30th March 2005, to depths between 1.50 and 3.25m below existing floor level. The area investigated comprised the western area of the site currently under consideration by Solmek. The boreholes were drilled within a building in the northeastern corner of the site that was to be demolished, with boreholes WS10 and WS11 drilled within a central northern building that was to be retained and refurbished as part of the proposed development.

5.1.2 Ground Conditions

Made ground was proven to a depth of between 0.10 and 2.95mbgl. The concrete slab was proven to be 0.10-0.35m thick. In the northwestern corner of the site, in the area of the infilled mill pond a void was

recorded in WS1-WS3 of between 0.70-1.1m thick. The made ground within the area of the infilled mill pond was recorded to be between 1 to 2.2m thick, comprising very soft and soft very gravelly sandy silt, and black silty gravelly sand containing brick, sandstone and glass. This made ground was directly underlain by moderately strong, fine-grained sandstone.

To the south of the infilled former millpond, the floor slab to the existing building was generally underlain by highly weathered, destructured sandstone (recovered as gravel) , except locally in the central western area (WS4) and southern area (WS8) where the slab was underlain by firm grey sandy gravelly clay to >1.5mbgl and 0.4mbgl respectively, and in the central southern area (WS10) where the slab was underlain by made ground comprising sandstone and brick cobbles to 1.5mbgl beneath which was weathered sandstone.

Groundwater was present within seven of the positions at depths of between 1.00 and 2.20mbgl.

5.1.3 Contamination Testing

No visual/olfactory evidence of hydrocarbon contamination was noted. Twelve samples were tested for pH/metals/PAHs/cyanide and six samples were tested for TPH/GRO/DRO/MRO.

Copper was noted as elevated within two samples with respect to plants but no inorganic human health exceedances were noted. TPH was elevated within one sample (WS3 at 1.00m)

Twelve samples were also tested for leachates. Chromium, lead, copper and zinc are above the lower-end EQS within multiple samples, with chromium exceeding the DWS in one sample. PAHs were elevated within ten of twelve samples.

Four water samples were tested, two from monitoring wells, one from upstream on the River Colne and one from downstream. Localised exceedances were noted for chromium, copper, zinc and PAH. It was noted that zinc and PAH concentrations upstream were similar to those on-site. Both groundwater samples recorded elevated TPH.

5.1.4 Geotechnical Testing

The clay in WS8 was classed as extremely high plasticity and of a high volume change potential.

pH ranged from 5.4 to 10.9 with sulphates between 0.20 and 0.80g/l.

5.1.5 Gas Monitoring

Spike surveying of the closed landfill 190m east of the site between 1989 and 1996 recorded methane up to 0.9% and CO_2 up to 1%.

Two gas/groundwater wells were installed within WS1 and WS7 and were monitored on four occasions. No methane or flows were recorded and CO_2 was max. 0.9%.

6 FIELDWORK

The Solmek fieldwork was carried out on 12th to 14th May 2025. The extent of the investigation was:

- 14no small percussive boreholes (BH01 to BH14 inclusive) to a maximum depth of 3.50m below ground level (bgl).
  - The borehole locations were specified by Dudleys
- 2no surface drills/cores in lieu of boreholes (BH15A and BH15B)
  - BH15A was drilled using a handdrill to inspect the underlying void
  - BH15B was cored to inspect the underlying void.
- Gas monitoring wells were installed in BH's 03, 04, 06, 10, 11 & 12.
  - The wells were spaced at <25-50m centres evenly around the site in accordance with CIRIA C665.
- 7no hand excavated trial pits (FETP01 to FETP07) were dug to a maximum depth of 1.40mbgl.
  - The trial pit locations were specified by Dudleys

- 6no Wall Cores (WC01 to WC06) to a maximum length of 0.82m into the wall.
  - The core locations were specified by Dudleys
- 1no Floor Core (FC01) to a depth of 1.80mbgl
  - The core location was specified by Dudleys
- Inspection of existing slab opening (ES01) and historic core (Core 25) as requested by Dudleys
- Insitu testing in the exploratory positions as Standard Penetration Tests (SPTs).
- Retrieval of samples for geotechnical and chemical testing.

The trial pits and boreholes were respectively backfilled with clean arisings and bentonite/installations upon completion. Selected photographs of the borehole locations, retrieved core and exposed trial pits are presented in Appendix A.

Descriptions of the strata encountered in the boreholes and trial pits together with details of sampling and groundwater are presented in Appendix B of this report. A plan showing the location of the boreholes and trial pits can be found in Appendix A (Figure 2).

7 GROUND CONDITIONS

A summary of the ground conditions encountered is given below. The exploratory hole logs are presented in Appendix B.

7.1 Topsoil

Topsoil was only encountered within BH12 and BH13, which were drilled outside and to the northeast of the development boundary on a grass verge externally to the mill buildings. Slightly sandy slightly gravelly topsoil was proven to 0.20mbgl with the gravel comprising sandstone.

7.2 Made Ground

Made ground was variable across the site and, where penetrated, was encountered to a minimum depth of 0.60mbgl (BH03 & BH04) and a maximum depth of 3.50mbgl (BH11).

Made ground was not fully penetrated within BH02, BH15A, BH15B, FC01, FETP01-FETP05 & FETP07, which terminated between 0.35 and 3.00mbgl, whilst made ground was still present at the base of historical Core 25/ESO1 at 3.40mbgl and 1.90mbgl, respectively.

Internally, a surface covering of concrete was generally present (0.13-0.35m thick). The underlying made ground was variable comprising both granular made ground of concrete, sandstone, ash and brick, with bands of cohesive made ground of soft sandy gravelly clay (silty within BH07).

In the area of the former pond in the east of the site, BH07, BH10 & BH11 each recorded made ground to 3.20-3.50mbgl, likely related to the pond infilling.

In the area of the former pond in the west, made ground of very loose and loose sandy gravel was recorded in BH01 to a depth of 2.60mbgl below a void underlying the floor slab of 1m thick, whereas in BH02 only a void to a depth of 3.00mbgl was recorded beneath the floor slab, underlain by further concrete.

Voids were noted locally in the northwest and northeast of the site, as summarised below:

- BH01, in the northwest of the site, recorded a void from 0.13-1.10m
- BH02, in the northwest of the site, recorded a void from 0.17-3.00m
- BH15A, in the northeast of the site, recorded a void from 0.35-2.00m
- Core 25, in the northeast of the site (historic position done by Arc inspected by Solmek at Dudleys request) recorded a void from 0.20-3.40m
- ESO1, in the northeast of the site (an existing slab opening inspected by Solmek at Dudleys request) recorded a void from 0.00-1.90m

- FC01, in the northeast of the site, recorded a void from 0.18-1.80m

Rubble/concrete was generally present at the base of the voids.

7.3 Existing Foundations & Wall Cores

7.3.1 Existing Foundations

Six Foundation Exposure Pits were undertaken. Photographs are provided in Appendix A and sketches are provided in Appendix B, whilst a summary is provided below in Table 1.

TABLE 1: SUMMARY OF EXISTING FOUNDATIONS

Hole Reference	Foundation Material	Top of Foundation (m below ground)	Outstand from Face of Wall (m)	Foundation Thickness (m)	Founding Strata
FETP01	Sandstone	0.20	0.18	0.10	Suspected MADE GROUND
FETP02	Sandstone	0.50	0.35	0.70	Suspected MADE GROUND
FETP03	Sandstone	0.23	0.18	0.44	Suspected MADE GROUND
FETP04	-*	0.65	0.10	>0.65*	-*
FETP05	Sandstone	1.00	0.10	0.55	Suspected MADE GROUND
FETP07	Sandstone	1.42	0.10	0.61	Suspected MADE GROUND
*base of foundation not proven due to obstruction					

7.3.2 Existing Wall Construction

Six Wall Cores were undertaken into existing walls. Photographs are provided in Appendix A and logs are provided in Appendix B, whilst a summary is provided below in Table 2.

TABLE 2: SUMMARY OF EXISTING WALL CONSTRUCTION

WC01 Strata (length, cm)	WC02 Strata (length, cm)	WC03 Strata (length, cm)	WC04 Strata (length, cm)	WC05 Strata (length, cm)	WC06 Strata (length, cm)
Brick (34)	Brick (24)	Sandstone (20)	Brick (10)	Brick (13)	Brick (10)
Sandstone (7)	Sandstone (21)	Cavity/gravel (10)	Sandstone 1 (15)	Sandstone 1 (11)	Sandstone 1 (7)
Soil infill (4)	-	Sandstone (18)	Sandstone 2 (14)	Sandstone 2 (22)	Sandstone 2 (10)
-	-	Soil infill (5)	Sandstone 3 (12)	Sandstone 3 (15)	Sandstone 3 (15)
-	-	-	Clay (17)	Sandstone 4 (16)	Sandstone 4 (10)
-	-	-	-	Clay (5)	Sandstone gravel infill (8)

7.4 Natural Deposits

Drift deposits were generally not encountered during the Solmek investigation, with only BH03, BH04 and BH06 in the west and BH13 and BH14 in the northeast recording such deposits.

Where present, the drift deposits generally comprised loose to medium dense silty sandy gravel of low cobble content, proven to depths between 1.90 and 3.00mbgl.

7.5 Solid Geology

Although not proven by rotary coring methods, inferred sandstone rockhead was encountered across the majority of the site, between 0.73mbgl in BH08 and 3.25mbgl in BH07. It is noted however that BH07-BH11 are in close proximity to each other, with BH07, BH10 and BH11 each recording rockhead >3.00mbgl,

therefore it is possible that the inferred rockhead noted at 0.73mbgl in BH08 is instead a sandstone cobble/boulder.

7.6 Groundwater

Groundwater was encountered within FETP07 only at 0.40m, however it is noted that the historic Sirius report encountered groundwater in most positions, between 1.00 and 2.20mbgl.

It should be noted the rapid rate of advancement of the exploratory holes may mask minor seepages and it should be borne in mind that water levels fluctuate with a number of influences including season, rainfall, dewatering and pumping activities. Therefore, water levels significantly higher than those found during this investigation may be encountered.

8 CONTAMINATION TESTING RESULTS

The proposed development is to comprise renovation and refurbishment of the existing mill buildings in the northern central and southeastern areas, demolition of the remainder of the existing mill buildings, construction of new commercial units in the central southern, central and northwestern areas, hardstanding over the majority of the remainder of the site, except along the southwestern boundary, the central area and in the northeastern area, where localised landscaping is proposed.

The chemical samples were generally retrieved in line with BS ISO 18400-105:2017 *Soil Quality. Sampling*. The chemical results are presented in Appendix C.

8.1 Site Characterisation

Within the Arc Phase 1 Desk Study, a preliminary conceptual model was formed based on the information obtained. The initial risk was based on the site history which recorded mill buildings present from the 1850s onwards.

An overall low to moderate risk was considered for the site:

- Ground Gas – Low to Moderate
- Environmental Risk Setting – Low to Moderate
- Potential for Significant Contamination – Low to Moderate
- Overall Site Risk – Low to Moderate

8.2 Contamination Testing and Rationale

To provide information upon the possibility of ground contamination ten samples of made ground were selected for shallow contamination testing, as detailed below:

- BH01 – 1.40-1.60m (Made ground – granular)
- BH03 – 0.40-0.60m (Made ground – cohesive)
- BH05 – 0.25-0.60m (Made ground – cohesive)
- BH06 – 0.40-0.60m (Made ground – cohesive)
- BH07 – 1.40-1.60m (Made ground – cohesive)
- BH09 – 0.20-0.40m (Made ground – granular)
- BH11 – 0.80-1.00m (Made ground – cohesive)
- BH12 – 0.20-0.40m (Made ground – granular)
- BH13 – 0.20-0.40m (Made ground – granular)
- BH14 – 0.40-0.60m (Made ground – cohesive)

The samples selected for testing provide coverage of the made ground strata recovered from across the site and were tested for the following contaminant suites:

- 10no Metals, semi-metals, non-metals, inorganic determinants
- 10no Asbestos identification screenings

- 1no asbestos quantification result is outstanding
- 10no Speciated Polyaromatic Hydrocarbons (PAHs)
- 10no Total Petroleum Hydrocarbon Criteria Working Group fractions (TPHCWG)
- 4no Benzene, Toluene, Ethylbenzene and Xylenes (BTEX)
- 4no Methyl Tert-Butyl Ether (MTBE)
- 4no Volatile Organic Compounds (VOCs)
- 4no Semi-Volatile Organic Compounds (SVOCs)
- 4no Waste Acceptance Criteria (WAC)
- 3no Polychlorinated Biphenyls

Leachate analysis was also undertaken on the below samples:

- BH05 – 0.25-0.60m (Made ground – cohesive)
- BH13 – 0.20-0.40m (Made ground – granular)

In addition, two water samples were retrieved from the River Colne, upstream (West) and Downstream (East) of the site:

- West (Upstream)
- East (Downstream)

8.3 Test Results

Based on the proposed development at the site, the test results have been compared to a series of Land Quality Management (LQM) Suitable for Use Levels (S4UL) based on a commercial land use. These are the most up to date thresholds published in 2015.

The value for lead has been compared with the Category 4 Screening Level (March 2014) developed by Contaminated Land: Applications In Real Environments (CL:AIRE).

The test results are presented in Appendix C, and a summary is provided below in Tables 3, 4, 5 & 6.

TABLE 3: SUMMARY OF INORGANIC CONTAMINATION TESTING RESULTS

Determinand	Units	Number of Samples above Level of Detection	Minimum Recorded Level	Maximum Recorded Level	Commercial Threshold Value	Number of Results Exceeding Threshold Value
Metals						
Cadmium	mg/kg	10	0.1	1	190	0
Chromium III	mg/kg	10	7.4	110	8600	0
Copper	mg/kg	10	12	58	68000	0
Lead	mg/kg	10	6	240	2300*	0
Inorganic Mercury	mg/kg	6	<0.05	0.47	1100	0
Nickel	mg/kg	10	7.2	31	980	0
Zinc	mg/kg	10	23	130	730000	0
Semi metals and non metals						
Arsenic	mg/kg	10	1.9	15	640	0
Boron	mg/kg	10	0.3	1.1	240000	0
Selenium	mg/kg	1	<0.5	1	12000	0
Inorganic chemicals						
Cyanide (total)	mg/kg	7	<0.1	0.3	1580**	0
W.S. Sulphate	mg/l	10	56	1300	2000^	0
Other						
pH	pH	-	5.2	12.0	<5.5^	2
* Category 4 Screening Levels, March 2014 ** CLEA Software Version 1.06 (pH7 and 1%SOM) ^ EA Threshold Values						

8.4 Metals, Semi Metals and Non Metals

No samples indicated significant raised levels of contamination above the S4UL threshold values, based on the ten samples tested.

8.5 Inorganic Chemicals

Soluble sulphates (potentially aggressive to foundation concrete) were recorded between 56 and 1300mg/l. None of the samples were elevated above levels affecting human health, however three samples exceeded the BRE Special Digest 1 500mg/l limit for the sulphate classification of concrete.

The results of the pH testing were between 5.2 and 11.0. These pH levels are consistent with acidic to alkaline conditions. Two results were below the EA threshold value of 5.5, however these are localised and, as such, not considered to pose a significant risk, therefore these results are not discussed further.

8.6 Organic Chemicals

The organic thresholds vary depending on the levels of soil organic matter (SOM).

The average SOM recorded across the site was 3.99% therefore a SOM of 2.50% has been used to determine the S4UL thresholds. Table 4, below, summarises the results.

TABLE 4: SUMMARY OF ORGANIC CONTAMINATION TESTING RESULTS

Determinand	Units	Number of Samples above Level of Detection	Minimum Recorded Level	Maximum Recorded Level	Commercial Threshold Value at 1% SOM	Number of Results Exceeding Threshold Value
TPH Aliphatic Fractions						
Aliphatic C5-C6	mg/kg	0	<0.01	-	3200	0
Aliphatic C6-C8	mg/kg	0	<0.01	-	77800	0
Aliphatic C8-C10	mg/kg	0	<0.01	-	2000	0
Aliphatic C10-C12	mg/kg	0	<1.5	-	9700	0
Aliphatic C12-C16	mg/kg	0	<1.2	-	59000	0
Aliphatic C16-C21	mg/kg	1	<1.5	2.03	1600000	0
Aliphatic C21-C35	mg/kg	0	<3.4	-	1600000	0
TPH Aromatic Fractions						
Aromatic C5-7	mg/kg	0	<0.01	-	26000	0
Aromatic C7-8	mg/kg	0	<0.01	-	56000	0
Aromatic C8-C10	mg/kg	0	<0.01	-	3500	0
Aromatic C10-C12	mg/kg	0	<0.9	-	16000	0
Aromatic C12-C16	mg/kg	2	<0.5	3.14	36000	0
Aromatic C16-C21	mg/kg	10	0.95	86.73	28000	0
Aromatic C21-C35	mg/kg	2	<1.4	175.9	28000	0
Speciated PAH						
Naphthalene	mg/kg	2	<0.1	0.6	190	0
Acenaphthylene	mg/kg	2	<0.1	3.2	83000	0
Acenaphthene	mg/kg	2	<0.1	1.3	84000	0
Fluorene	mg/kg	2	<0.1	3	63000	0
Phenanthrene	mg/kg	3	<0.1	35	22000	0
Anthracene	mg/kg	2	<0.1	9.9	520000	0
Fluoranthene	mg/kg	3	<0.1	64	23000	0
Pyrene	mg/kg	3	<0.1	57	54000	0
Benzo(a)anthracene	mg/kg	3	<0.1	30	170	0
Chrysene	mg/kg	3	<0.1	29	350	0
Benzo(b)fluoranthene	mg/kg	3	<0.1	22	44	0
Benzo(k)fluoranthene	mg/kg	3	<0.1	14	1200	0
Benzo(a)pyrene	mg/kg	4	<0.1	31	35	0
Indeno(1,2,3-c,d)pyrene	mg/kg	2	<0.1	22	500	0
Dibenzo(a,h)anthracene	mg/kg	2	<0.1	2.5	3.5	0
Benzo(g,h,i)perylene	mg/kg	2	<0.1	16	3900	0
PAH Total	mg/kg	2	<1.6	350	1000*	0
Phenol - Monohydric	mg/kg	0	<0.3	-	760	0
* EA Threshold Values						

From the ten samples tested for organic determinants, no exceedances were recorded.

8.7 Volatile Organic Compounds & Semi-Volatile Organic Compounds

Three samples were tested for VOCs and SVOCs, with the results generally below detection limits.

8.8 Polychlorinated Biphenyls

Three samples were tested for PCBs (12 congeners) with all results below detection limits.

8.9 Asbestos

From the ten samples subject to asbestos screening, asbestos fibres were recorded within one sample, as summarised below:

- BH09 0.20-0.40m recorded chrysotile as fibre bundles, with the quantification result outstanding.

8.10 Leachates

The results of the two leachate tests are presented in Table 5. The results have been compared, where available, to UK Drinking Water Standards (DWS), otherwise EA Leachate Quality Thresholds, EQS Freshwater and WHO Guidelines (2005) have been used.

TABLE 5: LEACHATE TESTING

Determinant	Units	Number of Samples above Level of Detection	Minimum Recorded Level	Maximum Recorded Level	UK DWS	Number of Results Exceeding Threshold Value
Inorganic Contaminants						
Cadmium	µg/l	1	<0.03	0.05	5	0
Chromium (Total)	µg/l	2	<0.25	-	50	0
Copper	µg/l	2	1.9	2.0	2000	0
Lead	µg/l	2	0.17	1.8	25	0
Mercury	µg/l	0	<0.01	-	1	0
Nickel	µg/l	1	<0.5	0.8	20	0
Zinc	µg/l	2	3.1	9.1	5000	0
Arsenic	µg/l	2	0.17	1.00	10	0
Selenium	µg/l	0	<0.25	-	10	0
Cyanide (Total)	µg/l	0	<40	-	50	0
Sulphate	mg/l	2	1.1	17	250	0
Boron	µg/l	0	<12	-	2000	0
pH	-	2	7.7	7.9	>5.5**	0
PAH						
Naphthalene	µg/l	0	<0.05	-	PAH DWS is 0.1µg/l	0
Acenaphthylene	µg/l	1	<0.01	0.05		0
Acenaphthene	µg/l	0	<0.01	-		0
Fluorene	µg/l	0	<0.01	-		0
Phenanthrene	µg/l	2	0.01	0.07		0
Anthracene	µg/l	1	<0.01	0.03		0
Fluoranthene	µg/l	1	<0.01	0.46		1
Pyrene	µg/l	1	<0.01	0.46		1
Benzo(a)anthracene	µg/l	1	<0.01	0.29		1
Chrysene	µg/l	1	<0.01	0.25		1
Benzo(b)fluoranthene	µg/l	1	<0.01	0.58		1
Benzo(k)fluoranthene	µg/l	1	<0.01	0.21		1
Benzo(a)pyrene	µg/l	1	<0.01	0.41		1
Benzo(ghi)perylene	µg/l	1	<0.01	0.38		1
Dibenzo(ah)anthracene	µg/l	1	<0.01	0.08		0
Ideno(123cd)pyrene	µg/l	1	<0.01	0.33		1
PAH Total	µg/l	1	<0.20	3.6	0.2**	1
Phenol	µg/l	0	<1.5	-	0.5	0
TPH Aliphatic Fractions						
C5-6	µg/l	0	<0.1	-	15000*	0
C6-8	µg/l	0	<0.1	-	15000*	0
C8-10	µg/l	0	<0.1	-	300*	0
C10-12	µg/l	0	<1.0	-	300*	0
C12-16	µg/l	0	<1.0	-	300*	0
C16-21	µg/l	0	<1.0	-	300*	0
C21-35	µg/l	0	<1.0	-	300*	0
TPH Aromatic Fractions						
C5-7	µg/l	0	<0.1	-	10*	0
C7-8	µg/l	0	<0.1	-	10*	0
C8-10	µg/l	0	<0.1	-	100*	0
C10-12	µg/l	0	<1.0	-	100*	0
C12-16	µg/l	0	<1.0	-	100*	0
C16-21	µg/l	0	<1.0	-	90*	0
C21-35	µg/l	0	<1.0	-	90*	0

** WHO Guidelines 2005*
*** EA leachate quality thresholds*
**** EQS Freshwater*

Following an initial screening of the two leachate results, the below contaminants were recorded above relevant threshold values:

- BH13 (0.20-0.40m) recorded elevated fluoranthene, pyrene, benzo(a)anthracene, chrysene,

benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, benzo(ghi)perylene, Ideno(123cd)pyrene and total PAH

8.11 Surface Water

Two samples from the River Colne have been subject to water testing. The results have been compared, where available, to UK Drinking Water Standards (DWS), otherwise EA Leachate Quality Thresholds and WHO Guidelines (2005) have been used. Results are summarised within Table 6 below.

TABLE 6: GROUNDWATER TESTING

Determinant	Units	Number of Samples above Level of Detection	Minimum Level	Maximum Level	UK DWS	Number of Results Exceeding Threshold Value
Inorganic Contaminants						
Cadmium	µg/l	1	<0.03	0.05	5	0
Chromium (Total)	µg/l	2	4.3	4.4	50	0
Copper	µg/l	2	3.8	4.0	2000	0
Lead	µg/l	2	0.82	2.5	25	0
Mercury	µg/l	0	<0.01	-	1	0
Nickel	µg/l	2	2	2.1	20	0
Zinc	µg/l	2	130	-	5000	0
Arsenic	µg/l	2	0.64	0.66	10	0
Cyanide (Total)	µg/l	0	<20	-	50	0
Selenium	µg/l	0	<0.25	-	10	0
Sulphate	mg/l	2	10	11	250	0
Boron	µg/l	2	27.5	41.6	2000	0
pH	-				>5.5**	
PAH						
Acenaphthene	µg/l	0	<0.01	-	PAH DWS is 0.1µg/l	0
Acenaphthylene	µg/l	0	<0.01	-		0
Anthracene	µg/l	0	<0.01	-		0
Benzo[a]anthracene	µg/l	0	<0.01	-		0
Benzo[a]pyrene	µg/l	0	<0.01	-		0
Benzo[b]fluoranthene	µg/l	0	<0.01	-		0
Benzo[k]fluoranthene	µg/l	0	<0.01	-		0
Benzo[g,h,i]perylene	µg/l	0	<0.01	-		0
Chrysene	µg/l	0	<0.01	-		0
Dibenzo[a,h]anthracene	µg/l	0	<0.01	-		0
Fluoranthene	µg/l	0	<0.01	-		0
Fluorene	µg/l	0	<0.01	-		0
Indeno[123cd]pyrene	µg/l	0	<0.01	-		0
Naphthalene	µg/l	0	<0.05	-		0
Phenanthrene	µg/l	0	<0.01	-		0
Pyrene	µg/l	0	<0.01	-		0
PAH Total	µg/l	0	<0.2	-	0.2**	0
Phenol	µg/l	0	<1.5	-	0.5	0
TPH Aliphatic Fractions						
C5-6	µg/l	0	<0.1	-	15000*	0
C6-8	µg/l	0	<0.1	-	15000*	0
C8-10	µg/l	0	<0.1	-	300*	0
C10-12	µg/l	0	<1.0	-	300*	0
C12-16	µg/l	0	<1.0	-	300*	0
C16-21	µg/l	0	<1.0	-	300*	0
C21-35	µg/l	0	<1.0	-	300*	0
TPH Aromatic Fractions						
C5-7	µg/l	0	<0.1	-	10*	0
C7-8	µg/l	0	<0.1	-	10*	0
C8-10	µg/l	0	<0.1	-	100*	0
C10-12	µg/l	0	<1.0	-	100*	0
C12-16	µg/l	0	<1.0	-	100*	0
C16-21	µg/l	0	<1.0	-	90*	0
C21-35	µg/l	0	<1.0	-	90*	0

** WHO Guidelines 2005*
*** EA leachate quality thresholds*
**** EQS Freshwater*

From the two samples of surface obtained from the site, no exceedances were recorded.

8.12 Environmental Protection Act 1990: Part 2A Revised Statutory Guidance (April 2012)

This revised document explains how the Local Authority should decide if land, based on a legal interpretation, is contaminated. The document replaces the previous guidance given in Annex 3 of DEFRA Circular 01/2006, issued in accordance with section 78YA of the 1990 Environmental Protection Act.
The main objectives of the Part 2A regime are to "identify and remove unacceptable risks to human health and the environment" and to "seek to ensure that contaminated land is made suitable for its current use". Part 2A uses a risk based approach to defining contaminated land whereby the "risk" is interpreted as "the likelihood that harm, or pollution of water, will occur as a result of contaminants in, on or under the land" and by "the scale and seriousness of such harm or pollution if it did occur".

For a relevant risk to exist a contaminant, pathway and receptor linkage must be present before the land can be considered to be contaminated. The document explains that *"for a risk to exist there must be contaminants present in, on or under the land in a form and quantity that poses a hazard, and one or more pathways by which they might significantly harm people, the environment, or property; or significantly pollute controlled waters."*

A conceptual model is used to develop and communicate the risks associated with a particular site.

To determine if land is contaminated the local authority use various categories from 1 to 4. Categories 1 and 2 include "land which is capable of being determined as contaminated land on grounds of significant possibility of significant harm to human health." Categories 3 and 4 "encompass land which is not capable of being determined on such grounds".

See Appendix E for additional notes on contamination guidelines.

9 CONCEPTUAL MODEL AND CONTAMINATION ANALYSIS

The proposed development is to comprise renovation and refurbishment of the existing mill buildings in the northern central and southeastern areas, demolition of the remainder of the existing mill buildings, construction of new commercial units in the central southern, central and northwestern areas, hardstanding over the majority of the remainder of the site, except along the southwestern boundary, the central area and in the northeastern area, where localised landscaping is proposed.

The contamination conceptual model in Table 7 identifies the potential pollution linkages present on site based on source – pathway – receptor relationships.

TABLE 7: CONCEPTUAL MODEL

Source	Pathway	Receptor	Risk Rating	Comments
Asphyxiating or explosive ground gases • Made ground (<3.50m) • No shallow coal mining • Landfills within 250m	**Ground gas migration** • Migration through permeable soils • Inhalation	**Future site users** • Adult & infant users	Moderate /Low	Gas monitoring in progress, source risk rating subject to change.
		Users during development • Construction workers	Low	
Areas of contamination hazardous to human health (Commercial Thresholds) • 10no samples tested • No significantly elevated organic determinants • No significantly elevated inorganic determinants • Asbestos within 1no sample (BH09)	• Inhalation • Dust ingestion • Dermal contact	**Future site users** • Adult & infant users	Moderate /Low	Generally low contamination levels mitigated by encapsulation beneath existing/proposed structure footprint or hardstanding. Peripheral landscaped areas to be formed from imported materials.
		Users during development • Construction workers	Moderate	Mitigation measures required during construction. Consideration to be given to Health and Safety Executive: *Protection of Workers and the General Public During the Development of Contaminated Land.*
	• Inhalation • Dust ingestion	**Users of surrounding sites** • Nearby residents	Moderate /Low	Potential moderate risk during construction from dust generation. Consideration to be given to dust suppression, in line with BRE: *The Control of Dust and Emissions from Construction and Demolition, Best Practice Guidance.*
Areas of elevated contamination (Leachate/Waters) • 2no leachate samples tested • 2no surface water samples tested • Elevated PAHs within 1no leachate sample	• Leaching of mobilised contaminants	**Drift geology** • Not Designated	Low	The thin non-designated aquifer is not considered to be a sensitive receptor.
		Solid geology • Secondary Aquifer – A	Low	Localised low-mobility leachable contamination overlying a medium sensitivity aquifer not considered to pose a significant risk.
	• Drainage • Lateral migration • Accumulation of contaminated sediment	**Surface water features** • River Colne immediately north/partially culverted	Low	Limited on-site PAH contamination within 1no of 2no leachate samples does not appear to be impacting the water quality of the River Colne.
Areas of phytotoxic contamination	• Uptake via roots and leaf surfaces	**Vegetation** • Peripheral proposed	Low	Peripheral landscaping to be formed from imported materials due to shortfall of on-site material.
Areas of contamination above service fabric or BRE Special Digest 1 thresholds • Elevated pH	• Direct contact	**Construction Materials** • Concrete	Moderate	Mitigation through use of sulphate resistant concrete where in contact with made ground (DS-2 AC-5z.
		Construction Materials • Service Fabric	Moderate	Wrapped steel and copper piping to be avoided and prudent to lay any service within a clean bedding.

In general terms, construction workers, future users, users of surrounding sites and construction materials are potentially at risk as pollution linkages may be present for each of these receptors. Vegetation, and controlled waters are considered to be at a low risk from contamination recorded onsite.

It should be noted that the Arc Exploratory Hole Location Plans (1 to 3) 23-1041 November 2024 recorded the potential for former tanks are anticipated in the central western area, south of BH09 and BH11. Once the existing buildings have been demolished in this area, investigation should be considered to evaluate whether contamination associated with these tanks requires mitigation, in relation to the proposed development.

Mitigation measures to reduce the risks identified for each receptor are discussed in the following sections.

9.1 Users of the Site Once Development is Complete

The users of the site, particularly construction workers, are likely to be exposed to contaminants present in the soils beneath the site during redevelopment work. Potential exposure pathways include dermal absorption after contact with contaminated ground, inhalation of soil or dust, inhalation of volatised compounds, and inadvertent soil ingestion.

To establish if the levels of contaminants present on site may pose a risk to the health of the future users of the site the results of the contamination testing have been compared to a series of LQM S4UL thresholds based on commercial end use (see Tables 3, 4, 5 and 6).

The levels of contaminants across the site are generally low with exceedances limited to one of the ten samples tested, as summarised below:

- BH09 0.20-0.40m recorded chrysotile as fibre bundles, with the quantification result outstanding.

The new development is expected to comprise a commercial redevelopment of the site. Based on the shallow soil contamination testing, it is considered that the levels of contamination are unlikely to pose a risk to future users of the site, as long as all contaminated areas are covered either by buildings or hardstanding. Any peripheral landscaping areas should be formed from imported material.

9.2 Construction Workers and Users of Surrounding Sites

Short term human exposure to contaminants present in soils can occur via several pathways during the construction and ground works phase of the development. These include dermal absorption after contact with contaminated ground, inhalation of soil or dust (including windblown dust), inhalation of volatised compounds, inadvertent soil ingestion and contact with contaminated groundwater.

Chrysotile asbestos fibres were detected in the sample from BH09 (0.20-0.40mbgl). This sample was sent for further analysis asbestos quantification testing by Gravimetry. The quantification result is outstanding.

Based on the guidance set forth in the Interdepartmental Committee for the Redevelopment of Contaminated Land (ICRCL), 1990, Guidance note 64/85 *Asbestos on Contaminated Sites* asbestos contaminated soil should be considered as a hazardous waste if the percentage by mass exceeds 0.1%, whilst any detectable asbestos is considered as a risk to human health.

It is considered that such levels of contamination may pose a risk to construction workers and users of surrounding sites, however S4ULs assume long term exposure to contamination and therefore relate primarily to chronic health risks. The risk of short-term acute exposure (e.g. to construction workers) falls under the *Health and Safety at Work Act: 1974* and underlying regulations, such as the *Control of Substances Hazardous to Health (COSHH, 2002)* Regulations. The levels of contamination and the associated risks to site workers should be considered under the *Construction Design and Management (CDM, 2015)* regulations during the planning of works and the preparation of the designers and contractors Health and Safety Plans and Method Statements.

As good practice, full PPE must be employed in accordance with Health and Safety Executive*: Protection of Workers and the General Public During the Development of Contaminated Land* and safeguards should be taken to limit dust during ground works, and access to the public should be restricted. Construction workers should use gloves as a precaution when handling any fill materials. Provision of suitable hygiene facilities are needed for site workers.

Further asbestos may be present elsewhere on the site that has not been sampled or tested during this investigation. It is therefore advised that having a qualified asbestos surveyor present during the initial site strip and any excavation works is given careful consideration. All works should be undertaken in accordance with the *Control of Asbestos Regulations* (2012) and CIRIA C733 *Asbestos in soil and made ground: a guide to understanding and managing risks*.

During dry weather, any excavations may require clean water to be sprinkled at shallow depth to prevent excess dust escaping to off-site receptors. Monitoring of dust concentrations during construction should be given careful consideration to ensure occupational exposure levels are not exceeded. Works should be undertaken in line with BRE: *The Control of Dust and Emissions from Construction and Demolition, Best Practice Guidance*.

9.3 Vegetation

Plants can be affected by soil contamination in a number of ways resulting in growth inhibition, nutrient deficiencies and yellowing of leaves. Contaminants are taken up by plants through the roots and through foliage. Contaminants identified as being highly phytotoxic include boron, cadmium, copper, nickel, and zinc.

To establish if the levels of contaminants present on site may pose a risk to vegetation the results of the contamination testing have been compared to a series of threshold values published in *Code of Good Agricultural Practice for the Protection of Soil*. No concentrations of the phytotoxic determinants are shown as elevated from the ten samples tested.

Any areas of peripheral soft landscaping will require a suitable growing medium formed from imported materials. Proposed landscaped areas should be excavated to 0.50mbgl or natural ground, whichever is shallower. The suitable growing medium should comprise 200mm of imported clean topsoil over up to 300mm of imported clean subsoil.

9.4 Ground and Surface Water

The principal pathway by which soil contamination may reach the water environment is through a slow seepage or leaching to groundwater or surface water. The potential for contaminants to migrate along such pathways is dependent on the chemical and physical characteristics of the contaminants and the local hydrogeology.

9.4.1 Hydrogeological Context

From the site investigation undertaken, ground conditions broadly comprise variable made ground (max 3.50m deep) over thin/generally absent granular drift deposits. The granular deposits can be considered to have a moderate to high permeability. The drift deposits are not designated as an aquifer by the Environment Agency.

The published geology indicates the site is underlain by solid geology of Upper Kinderscout Grit, which is designated as a Secondary Aquifer – A by the Environment Agency. Rockhead was proven in the intrusive investigation, between 0.73mbgl in BH08 and 3.25mbgl in BH07

The nearest surface water feature is the River Colne, running along the north of the site and partially culverted within the site.

With respect to groundwater, during the fieldwork strikes were noted within FP07 only at 0.40mbgl. It is noted that historically groundwater was present within seven of the twelve Sirius positions, between 1.00 and 2.20m.

The groundwater flow onsite is likely to be northeast, towards and following the flow of the River Colne.

No groundwater abstractions are noted within 500m of the site, however three surface water abstractions are present within 500m.

9.4.2 Contamination Context

No contamination was recorded based on the ten soil samples tested, other than asbestos which does not pose a risk to controlled waters.

With respect to leachates, exceedances were noted for PAHs within 1no of the 2no samples with respect to stringent Drinking Water Standards (DWS), however when compared to more appropriate Environmental Quality Standards (EQS), no exceedances were noted.

Within the surface water analysis, 2no river water samples have been tested from upstream and downstream of the site, with no elevated concentrations of contamination recorded and no indication that the site has a negative contamination impact on the River Colne.

9.4.3 Hydrogeological Risk Assessment

Due to the generally low contamination found across the site, the absence of contamination recorded within the surface water samples tested from the River Colne, and the aquifer designations beneath the site, the development is considered to represent a low risk to groundwater or surface water receptors.

9.5 Construction Materials

Materials at risk from potential soil contamination include inorganic matrices such as cement and concrete and also organic material; e.g. plastics and rubbers. Acid ground conditions and elevated levels of sulphates can accelerate the corrosion of building materials. Plastics and rubbers are generally used for piping and service ducts and are potentially attacked by a range of chemicals, most of which are organic, particularly petroleum-based substances. Drinking water supplies can be tainted by substances that can penetrate piping and water companies enforce stringent threshold values.

9.5.1 Concrete Classification

BRE Special Digest One: *Concrete in Aggressive Ground*: 2005 3rd Edition has been used to assess the risks posed to underground concrete and to establish the design measures required to mitigate the risks. The results of the pH and water-soluble sulphate tests (when converted to total potential sulphate) fall into Class DS-2 ACEC (Class AC-5z) requirements for concrete protection. This assumes mobile groundwater conditions.

9.5.2 Water Supply Pipes Material Selection

The levels of potential contaminants should be compared to thresholds supplied in the UK Water Industry Research (UKWIR) publication *Guidance for the selection of Water Supply Pipes to be used in Brownfield Sites* (January 2011). A Brownfield Site is defined in the document as “Land or premises that have previously been used or developed that may be vacant or derelict”. It should be noted that Brownfield sites may not be contaminated. The guidance does not apply to Greenfield Sites however water companies may have their own assessment criteria which should be checked by the developer.

Based on the samples tested during the site investigation, levels of acidic to alkaline pH (5.2 to 12) were recorded across the site at depths of between 0.20mbgl and 2.40mbgl within the made ground and natural samples.

The concentrations of the selected determinants should be compared to the pipe material selection table in Appendix E, and consultation with the appropriate utility supply company is required to identify the most suitable service fabric. However, the pH levels may preclude the use of wrapped steel and copper pipes depending on the depth of proposed service corridors.

9.6 Unexpected Contamination

If during the initial site strip, investigation of the area of potential buried tanks in the central southeastern area, or subsequent ongoing construction activities, any zones of odorous, brightly coloured or suspected contaminated ground, or suspected Asbestos Containing Materials (ACMs) are encountered, then the following procedure should be followed:

- Stop work in the affected area
- Contact Solmek and provide pictures of the affected area
- Solmek can visit site to investigate the material and provide guidance
- If required – Solmek can sample and test the material

- Once test results are returned, this will determine whether or not remediation will be required

9.7 Waste Classification

During the site strip and construction activities, material may be required to be removed from site. Any such material would require classification, in line with Environment Agency Technical Guidance *Waste Classification: Guidance on the classification and assessment of waste* (2015). This would classify the material as either Non-Hazardous or Hazardous Waste.

Once the material has been classified, determining the suitable landfill for disposal is governed by landfill directive Waste Acceptance Criteria (WAC) testing, with landfills categorized as Inert Waste, Stable Non-Reactive Hazardous Waste and Hazardous Waste.

For this project, Waste Classification has been undertaken on the 10no samples, using HazwasteOnline. The findings of the Waste Classification indicate that 9no of the samples can be considered as Non Hazardous Waste, whilst 1no sample (BH09) can be considered as Hazardous Wast. The hazardous classification is due to elevated pH, which is localised and likely due to concrete fragments within the sample. The material can therefore generally be considered Non Hazardous Waste. It is noted however that 1no asbestos quantification result is outstanding which may affect the Waste Classification.

4no WAC tests were then undertaken. Generally these recorded exceedances of the Inert Waste Landfill threshold, meaning the material could be considered suitable for a Non Hazardous landfill.

The decision on whether or not to accept waste, or whether further testing is required, is at the discretion of the waste disposal company.

10 GROUND GAS ASSESSMENT

The proposed development includes the redevelopment of the site, with new buildings proposed.

Ground gases such as carbon dioxide (CO_2), methane (CH_4), carbon monoxide (CO) and volatile organic compounds (VOCs) can be classed as a form of contamination where there is a potential risk to human health.

For this report, gas monitoring is via measuring emissions from six standpipes (BH03, BH04, BH06, BH10, BH11 & BH12) that were installed during the sitework. The gas monitoring will consist of six visits over a period of three months. The gas monitoring results will be presented as an addendum to this report.

The rationale of the ground gas installations was to capture ground gas emissions from across the site, with BH10 and BH11 in particular targeting an infilled pond.

11 GEOTECHNICAL TESTING AND ANALYSIS

Samples taken from the boreholes underwent a series of geotechnical tests at a UKAS accredited laboratory to aid foundation design and soil description. In addition, in-situ Standard Penetration Tests (SPTs) were undertaken at regular intervals during drilling. The geotechnical results are presented in Appendix D.

11.1 Strength and Density

11.1.1 SPT N Values

Standard Penetration Tests within the made ground ranged from 2 to 14 (granular made ground) and between 3 and 12 (cohesive made ground). These results indicate loose to medium dense and low to medium strength deposits, respectively.

Standard Penetration Tests undertaken within the natural granular deposits yielded N values of between 7 and 15, indicative of loose to medium dense deposits.

SPTs upon the sandstone rockhead yielded N values of 50+ (refusal).

11.2 Moisture Contents

Three samples recovered from the boreholes have been subject to moisture content tests to determine the moisture profile at depths of between 0.80 and 1.80mbgl. Moisture levels were between 28% and 54%.

11.3 Atterberg Limit Determinations

Three Atterberg Limit Determination tests were carried out on samples of cohesive material to classify the fine grained soils. The results were compared to the Casagrande Chart published in BS 5930 and showed the samples to generally be clay/silt of high plasticity.

The Plasticity Indices ranged from 19 to 35 with moisture contents recorded above the corresponding plastic limits. The cohesive material can be assessed as having a medium shrinkage potential in relation to current relevant guidance.

11.4 Particle Size Distribution Testing

Four samples from the boreholes at varying depths were subject to Particle Size Distribution (PSD) tests in accordance with BS1377 Part 2 to aid soil descriptions. The results have been used to prepare precise soil descriptions in accordance with BS5930:2015 Section 6 and are presented in Appendix D.

11.5 Point Load Testing

4no samples of rock from BH01, BH10, BH13 and BH14 were sent for Point Load Testing (both axial and diametral) to provide an indication of the strength of the rock. The corrected results ranged between 0.06 and 1.03$Is_{(50)}$MPa, which can approximately be converted to UCS values of 1.44 to 24.72MPa.

11.6 Dry Density / Moisture Content Relationship

Two samples were subject to optimum moisture content (OMC) / dry density relationship testing using the 2.5kg rammer method. The OMC of the samples was 16 and 15%, with maximum dry densities of between 1.79 and 1.55Mg/m^3.

11.7 California Bearing Ratio

Two samples were subject to remoulded CBR testing. The CBR results were 0.2 and 24%.

11.8 pH and Sulphate Results

Four samples of natural soil from the boreholes were tested for acidity and soluble sulphate content to assess whether the material may be potentially aggressive to building fabric. The results of the testing for pH ranged from 6.9 to 8.4 indicating slightly acidic to alkaline conditions. Soluble sulphates were recorded at levels ranging from 15mg/l to 75mg/l.

11.9 Foundations

Both the depth of made ground and the depth to competent rockhead were variable across the site. Consideration should therefore be given to both conventional foundations upon rockhead, and also to the use of piled or mini-piled foundations.

11.9.1 Existing Foundations

An assessment of the existing foundations (Section 7.3) should be undertaken by a competent structural engineer.

11.9.2 Foundations within Bedrock

The site is underlain by sandstone with inferred rockhead noted at 0.73mbgl and 3.25mbgl, however conservatively the shallower observations should be discounted. It would be prudent to situate the foundations directly upon the sandstone bedrock.

Where rockhead is within 2.00m below the finished level of the proposed development, strip footings, 0.60m wide, may be viable placed directly onto the weathered sandstone. Locally these may need deepening, as deep strips/trench fill. In view of the presence of a shallow groundwater table at depths of between 1.0m to 2.0m below ground level, recorded by the Sirius ground investigation, the use of shallow foundations may be prohibited due to the instability of excavations below the water table.

Based on the converted Point Load Test results, the shallow weathered sandstone can be considered weak. Table 2.4 in *Foundation Design & Construction, 6th Edition*, M.J. Tomlinson outlines a bearing capacity of 150kN/m^2 for sandstone be assumed. Providing imposed loads do not exceed the bearing capacity then settlement have been calculated at less than 25mm. The developer should also ensure the footings are placed at sufficient depth through the weathered zone to more competent bedrock to achieve the desired 150kN/m^2 allowable bearing capacity.

11.9.3 Piled Foundations

Where the depth to competent sandstone is determined to be uneconomical to utilise deep strips/trench fill, or where a shallow groundwater table prohibits the construction of shallow foundations without the use of dewatering or temporary works, piled or mini-piled foundations could alternatively be considered. Information provided in this report should be made available to a competent piling contractor who can design appropriate foundations in accordance with Section 7: Pile foundations of BS EN 1997 – 1:2004 which applies to end-bearing piles, friction piles, tension piles and transversely loaded piles installed by driving, by jacking, and by screwing or boring. The piling contractor will need to take into consideration the possible effects of negative skin friction from made ground and soft/loose made ground and natural deposits.

Allowance should be made for breaking through known and unknown buried obstructions and cobbles.

The precise method of pile installation and the applicability of proprietary systems, diameters and depths required would need to be determined by a specialist piling contractor.

11.9.4 General Foundation Comments

It is recommended that an adequate drainage system for surface water be installed by a competent contractor in order to prevent surface water ponding or collecting during and post construction, which may in turn lead to deterioration of the founding stratum.

Prior to placing foundation concrete, obvious soft or loose spots should be removed and replaced with suitably recompacted hardcore or lean mix concrete. In addition, all excavations should be inspected to ensure that they fully penetrate areas of disturbed ground.

Further advice should be sought from Solmek if unexpected ground conditions are encountered during redevelopment.

11.10 Excavation

Based on the nature of the ground conditions encountered, excavations should be within the capacity of normal earthworks plant although breaking out of relict foundations, surface concrete and other obstructions should be anticipated. Due to the potential for shallow ground water, low relative density of granular soils and low strength of cohesive soils, stability of excavations will be poor in the made ground and natural granular deposits, but should improve in the natural sandstone. Excavation sides should be designed, constructed and supported in accordance with the recommendations given in CIRIA Report No. 97: “Trenching Practice”.

11.11 Groundwater

Groundwater was encountered within FP07 only at 0.40mbgl, however it is noted that the historic Sirius report encountered groundwater in most positions, between 1.00 and 2.20mbgl.

It should be noted the rapid rate of advancement of the exploratory holes may mask minor seepages and it should be borne in mind that water levels fluctuate with a number of influences including season, rainfall, dewatering and pumping activities. Therefore, water levels significantly higher than those found during this investigation may be encountered that may require groundwater control for deep excavations.

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APPENDIX A:
Figures & Drawings

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Figure Title	
Site Location Plan	
Project Number	
S250431	
Project Name	
New Mills, Marsden	
Client	
Dudleys	
Date	
May 2025	
DRG Number	
Figure 1	
Scale	
1:5000	@ A4 [DO NOT SCALE]

Legend Key

Project Bounds - Project Bounds

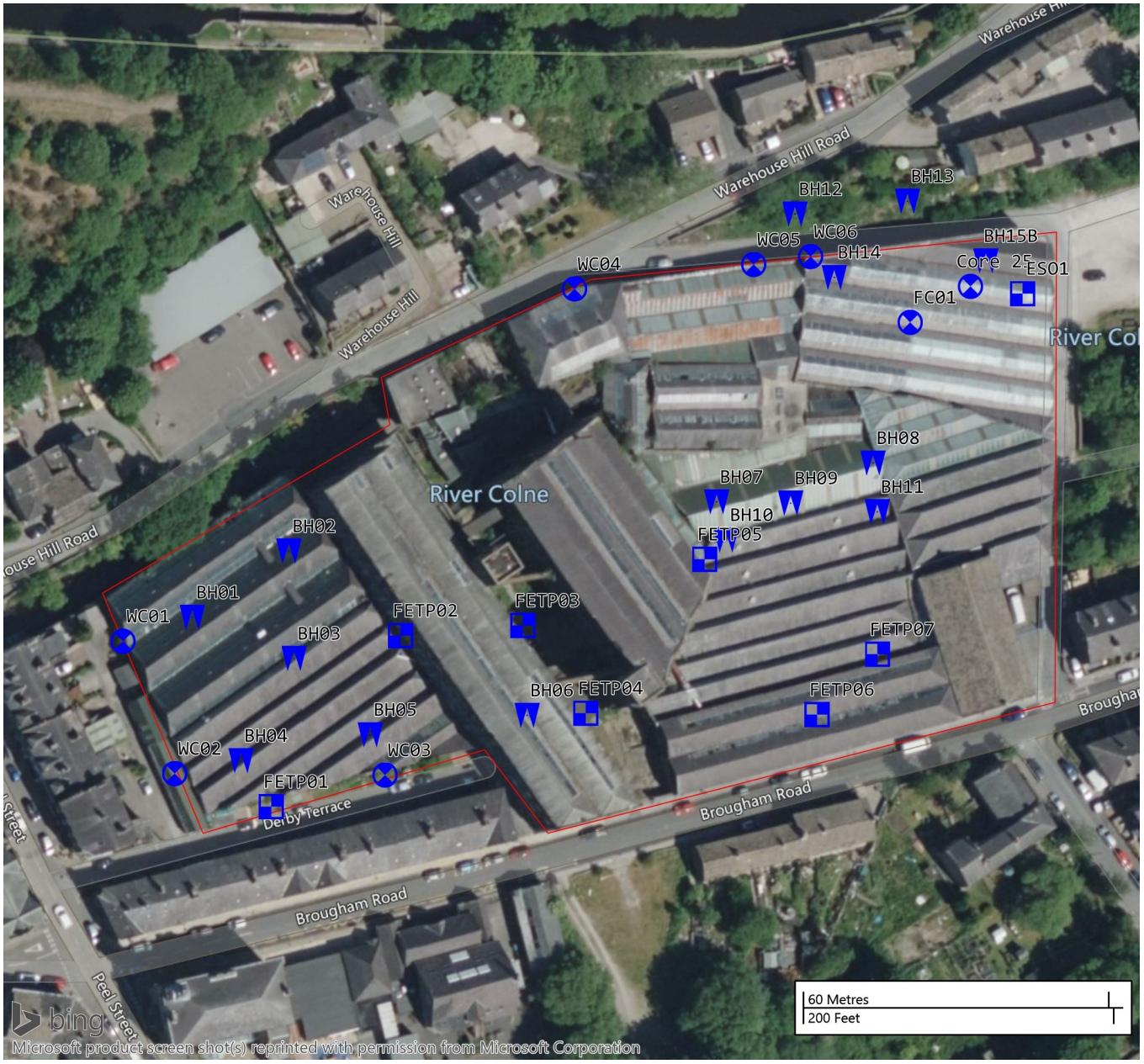

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Figure Title

Exploratory Hole Location Plan

Project Number

S250431

Project Name

New Mills, Marsden

Client

Dudleys

Date

June 2025

DRG Number

Figure 2

Scale

1:1250 @ A4 [DO NOT SCALE]

Legend Key

- Locations By Type - RC
- Locations By Type - TP
- Locations By Type - WS
- Project Bounds - Project Bounds

Figure 3: BH01 Location

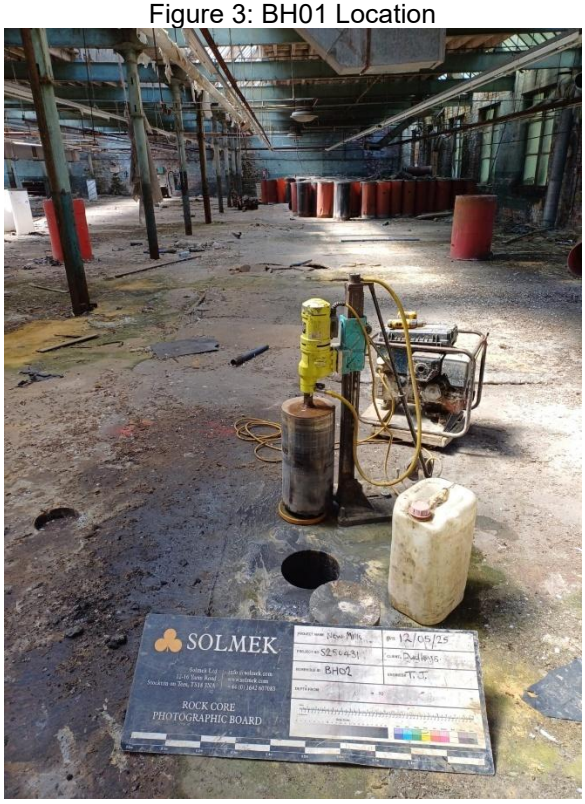

Figure 4: BH02 Location

Title	**Date**
Figures 3 & 4	June 2025
Project	
New Mills, Marsden	
Client	
Dudleys	

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Figure 5: BH02 Void

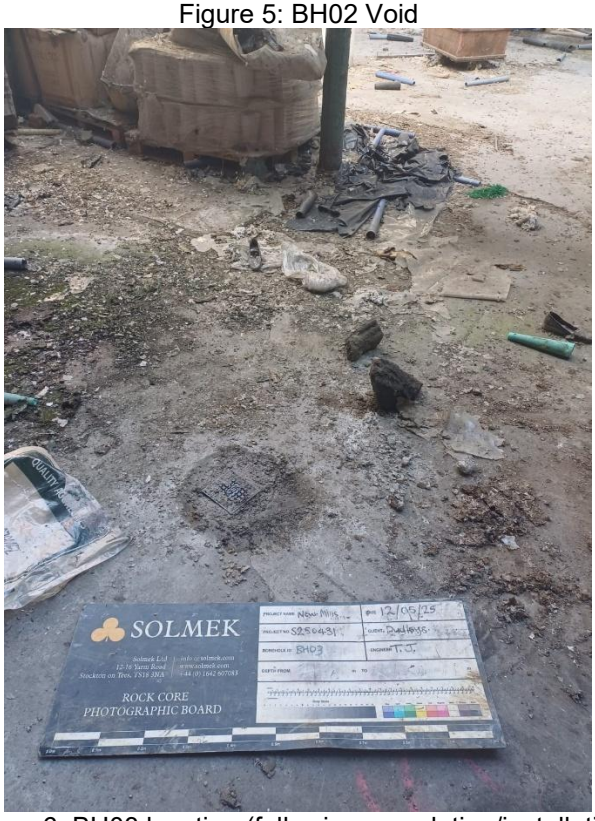

Figure 6: BH03 location (following completion/installation)

Title	**Date**
Figures 5 & 6	June 2025
Project	
New Mills, Marsden	
Client	
Dudleys	

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Figure 7: BH04 Location

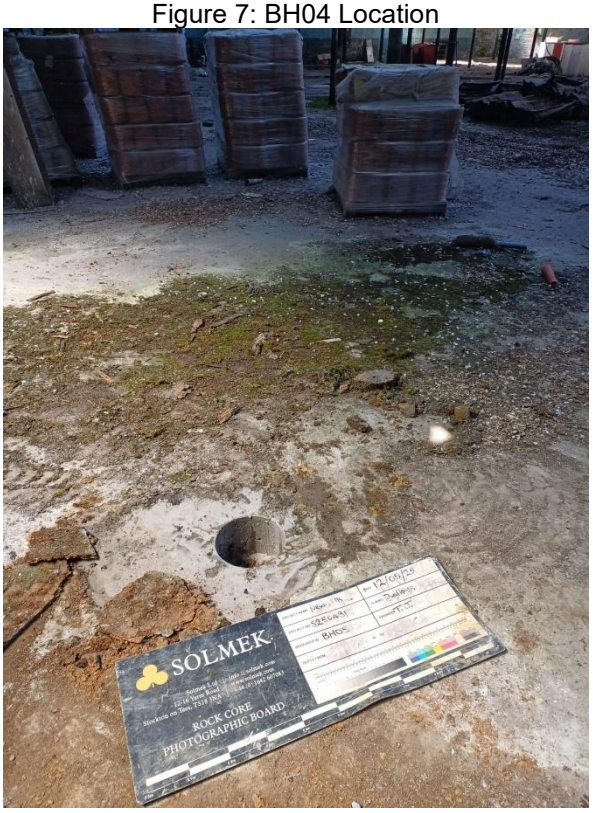

Figure 8: BH05 Location

Title	Date
Figures 7 & 8	June 2025
Project	
New Mills, Marsden	
Client	
Dudleys	

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Figure 9: BH06 Location

Figure 10: BH07 Location (backfilled)

Title	**Date**
Figures 9 & 10	June 2025
Project	
New Mills, Marsden	
Client	
Dudleys	

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Figure 11: BH08 Location

Figure 12: BH09 Location (backfilled)

Title	**Date**
Figures 11 & 12	June 2025
Project	
New Mills, Marsden	
Client	
Dudleys	

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Figure 13: BH10 Location (following completion/installation)

Figure 14: BH11 Location

Title	**Date**
Figures 13 & 14	June 2025
Project	
New Mills, Marsden	
Client	
Dudleys	

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Figure 15: BH12 Location (following completion/installation)

Figure 16: BH13 Location (following completion)

Title	**Date**
Figures 15 & 16	June 2025
Project	
New Mills, Marsden	
Client	
Dudleys	

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Figure 17: BH14 Location

Figure 18: BH15A (tape reads 2.00m at GL)

Title	Date
Figures 17 & 18	June 2025
Project	
New Mills, Marsden	
Client	
Dudleys	

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Figure 19: BH15B

Figure 20: FETP01

Title	Date
Figures 19 & 20	June 2025
Project	
New Mills, Marsden	
Client	
Dudleys	

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Figure 21: FETP02

Figure 22: FETP03

Title	**Date**
Figures 21 & 22	June 2025
Project	
New Mills, Marsden	
Client	
Dudleys	

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Figure 23: FETP04

Figure 24: FETP05

Title	Date
Figures 23 & 24	June 2025
Project	
New Mills, Marsden	
Client	
Dudleys	

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Figure 25: FETP06

Figure 26: FETP07

Title	Date
Figures 25 & 26	June 2025
Project	
New Mills, Marsden	
Client	
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Figure 27: FC01

Figure 28: WC01

Title	Date
Figures 27 & 28	June 2025
Project	
New Mills, Marsden	
Client	
Dudleys	

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Figure 29: WC02

Figure 30: WC03

Figure 31: WC04

Title	Date
Figures 29 to 31	June 2025
Project	
New Mills, Marsden	
Client	
Dudleys	

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Figure 32: WC05

Figure 33: WC06

Title	Date
Figures 32 & 33	June 2025
Project	
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Client	
Dudleys	

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APPENDIX B:
Borehole & Trial Pit Logs

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Window Sample Log

Scale 1:50 Sheet 1 of 1

BH01

Contract no:	S250431	**Site:**	New Mills, Marsden	**Driller:**	SR Drilling Ltd
				Plant used:	Mini Rig
				Started:	12/05/2025
Client:	Dudleys			**Ended:**	12/05/2025
Method:	Small Percussive			**Backfilled:**	12/05/2025

GL (AOD):	
Easting:	404947
Northing:	411681
Logged:	TJ
Status:	FINAL

Backfill / Installation	Legend	Depth (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing: Depth (m)	Type	Results
		0.13		MADE GROUND: Concrete.	0.00 - 0.13	B+ES	
				VOID.			
		1.10		MADE GROUND: Grey, slightly sandy gravel. Sand is fine to coarse. Gravel is fine to coarse, angular of subangular of concrete and sandstone.	1.20 - 1.65	SPT (S)	N=5 (1,1/1,2,1,1)
					1.40 - 1.60	B+ES	
					1.80 - 2.00	B+ES	
					2.00 - 2.45	SPT (S)	N=2 (0,0/1,0,0,1)
					2.20 - 2.40	B+ES	
					2.60	B	
		2.70		Inferred SANDSTONE rockhead.	2.70 - 2.71	SPT (S)	N=50+ (25 for 5mm/50 for 5mm)
		2.70		End of Borehole at 2.700m			

Hole Diameter		Casing Depths		General Remarks	Chiselling			Ground Water				
Depth Base (m)	Diameter (mm)	Depth Base (m)	Diameter (mm)	1.2m Hand excavated inspection pit dug. Backfilled up to base of void (1.10mbgl) surface left open. No groundwater encountered.	From (m)	To (m)	Time (hr)	Depth Strike (m)	Depth Casing (m)	Depth Sealed (m)	Time Elapsed (min)	Water Level (m)

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Window Sample Log

Scale 1:50 Sheet 1 of 1

BH02

Contract no:	S250431	**Site:**	New Mills, Marsden	**Driller:**	SR Drilling Ltd
				Plant used:	Mini Rig
				Started:	12/05/2025
Client:	Dudleys			**Ended:**	12/05/2025
Method:	Small Percussive			**Backfilled:**	

GL (AOD):	
Easting:	404966
Northing:	411694
Logged:	TJ
Status:	FINAL

Backfill / Installation	Legend	Depth (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing: Depth (m)	Type	Results
				MADE GROUND: Concrete.			
		0.17		VOID.			
		3.00		MADE GROUND: Concrete.			
				End of Borehole at 3.000m			

Hole Diameter		Casing Depths		General Remarks	Chiselling			Ground Water				
Depth Base (m)	Diameter (mm)	Depth Base (m)	Diameter (mm)	Surface cored - no inspection pit excavated due to void. Hole not backfilled due to void - position left open. No groundwater encountered.	From (m)	To (m)	Time (hr)	Depth Strike (m)	Depth Casing (m)	Depth Sealed (m)	Time Elapsed (min)	Water Level (m)

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Window Sample Log

Scale 1:50 Sheet 1 of 1

BH03

Contract no:	S250431	**Site:**	New Mills, Marsden	**Driller:**	SR Drilling Ltd
				Plant used:	Mini Rig
				Started:	12/05/2025
Client:	Dudleys			**Ended:**	12/05/2025
Method:	Small Percussive			**Backfilled:**	12/05/2025

GL (AOD):	
Easting:	404967
Northing:	411673
Logged:	TJ
Status:	FINAL

Backfill / Installation	Legend	Depth (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing: Depth (m)	Type	Results
		0.14		MADE GROUND: Concrete.	0.00 - 0.13	B+ES	
				MADE GROUND: Soft, brown, sandy, slightly gravelly, ashy clay. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of sandstone, concrete, and brick.	0.40 - 0.60	B+ES	
		0.60		Medium dense brown, silty, sandy GRAVEL of low cobble content. Sand is fine to coarse. Gravel and cobbles are fine to coarse, angular to subangular of sandstone.	0.80 - 1.00	B+ES	
					1.20 - 1.65	SPT (S)	N=15 (3,4/3,3,5,4)
					1.40 - 1.60	B	
					1.70 - 1.90	B	
		1.90		Inferred SANDSTONE rockhead.	1.90 - 1.91	SPT (S)	N=50+ (25 for 7mm/50 for 5mm)
		1.90		End of Borehole at 1.900m			

Hole Diameter		Casing Depths		General Remarks	Chiselling			Ground Water				
Depth Base (m)	Diameter (mm)	Depth Base (m)	Diameter (mm)	1.2m Hand excavated inspection pit dug. No groundwater encountered.	From (m)	To (m)	Time (hr)	Depth Strike (m)	Depth Casing (m)	Depth Sealed (m)	Time Elapsed (min)	Water Level (m)

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Window Sample Log

Scale 1:50 Sheet 1 of 1

BH04

Contract no:	S250431	**Site:**	New Mills, Marsden	**Driller:**	SR Drilling Ltd
				Plant used:	Mini Rig
				Started:	12/05/2025
Client:	Dudleys			**Ended:**	12/05/2025
Method:	Small Percussive			**Backfilled:**	12/05/2025

GL (AOD):	
Easting:	404957
Northing:	411653
Logged:	TJ
Status:	FINAL

Backfill / Installation	Legend	Depth (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing: Depth (m)	Type	Results
				MADE GROUND: Concrete.	0.00 - 0.20	B+ES	
		0.20		MADE GROUND: Grey, slightly sandy gravel. Sand is fine to coarse. Gravel is fine to coarse, angular of subangular of concrete and sandstone.	0.20 - 0.40	B+ES	
					0.40 - 0.60	B+ES	
		0.60		Medium dense brown, silty, sandy GRAVEL of low cobble content. Sand is fine to coarse. Gravel and cobbles are fine to coarse, angular to subangular of sandstone.	0.80 - 2.00	B+ES	
					1.20 - 1.65	SPT (S)	N=14 (3,3/3,3,4,4)
					1.40 - 1.60	B+ES	
					1.80 - 2.00	B	
					2.00 - 2.12	SPT (S)	N=50+ (10,15 for 60mm/50 for 60mm)
		2.30		Inferred SANDSTONE rockhead.	2.25 - 2.30	SPT (S)	N=50+ (25 for 30mm/50 for 20mm)
		2.30		End of Borehole at 2.300m			

Hole Diameter		Casing Depths		General Remarks	Chiselling			Ground Water				
Depth Base (m)	Diameter (mm)	Depth Base (m)	Diameter (mm)	1.2m Hand excavated inspection pit dug. No groundwater encountered.	From (m)	To (m)	Time (hr)	Depth Strike (m)	Depth Casing (m)	Depth Sealed (m)	Time Elapsed (min)	Water Level (m)

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Window Sample Log

Scale 1:50 Sheet 1 of 1

BH05

Contract no:	S250431	**Site:**	New Mills, Marsden	**Driller:**	SR Drilling Ltd
				Plant used:	Mini Rig
				Started:	12/05/2025
Client:	Dudleys			**Ended:**	12/05/2025
Method:	Small Percussive			**Backfilled:**	12/05/2025

GL (AOD):		
Easting:	404982	
Northing:	411658	
Logged:	TJ	
Status:	FINAL	

Backfill / Installation	Legend	Depth (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing		
					Depth (m)	Type	Results
				MADE GROUND: Concrete.	0.00 - 0.22	B+ES	
		0.22		MADE GROUND: Soft, brown, sandy, slightly gravelly, ashy clay. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of sandstone, concrete, and brick.	0.25 - 0.60	B+ES	
		0.75		Inferred SANDSTONE rockhead.	0.75	B+ES	
		0.75		End of Borehole at 0.750m			

Hole Diameter		Casing Depths		General Remarks	Chiselling			Ground Water				
Depth Base (m)	Diameter (mm)	Depth Base (m)	Diameter (mm)		From (m)	To (m)	Time (hr)	Depth Strike (m)	Depth Casing (m)	Depth Sealed (m)	Time Elapsed (min)	Water Level (m)
				0.75m Hand excavated inspection pit dug. No groundwater encountered.								

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Window Sample Log

Scale 1:50 Sheet 1 of 1

BH06

Contract no:	S250431	**Site:**	New Mills, Marsden	**Driller:**	SR Drilling Ltd
				Plant used:	Mini Rig
				Started:	12/05/2025
Client:	Dudleys			**Ended:**	12/05/2025
Method:	Small Percussive			**Backfilled:**	12/05/2025

GL (AOD):	
Easting:	405013
Northing:	411662
Logged:	TJ
Status:	FINAL

Backfill / Installation	Legend	Depth (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing: Depth (m)	Type	Results
				MADE GROUND: Concrete.	0.00 - 0.15	B+ES	
		0.17		MADE GROUND: Soft, brown, sandy, slightly gravelly, ashy clay. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of sandstone, concrete, and brick.	0.40 - 0.60	B+ES	
					0.80 - 1.00	B+ES	
					1.20 - 1.65	SPT (S)	N=7 (2,2/1,2,2,2)
					1.40 - 1.60	B	
					1.80 - 2.00	B	
		2.00		Loose brown, sandy, GRAVEL of low cobble content. Sand is fine to coarse. Gravel and cobbles are fine to coarse, angular to subangular of sandstone.	2.00 - 2.45	SPT (S)	N=7 (2,1/1,2,1,3)
					2.00 - 2.40	B	
		2.70		Inferred SANDSTONE rockhead.	2.70 - 2.75	SPT (S)	N=50+ (25 for 30mm/50 for 20mm)
		2.75		End of Borehole at 2.750m			

Hole Diameter		Casing Depths		General Remarks	Chiselling			Ground Water				
Depth Base (m)	Diameter (mm)	Depth Base (m)	Diameter (mm)	1.2m Hand excavated inspection pit dug. No groundwater encountered.	From (m)	To (m)	Time (hr)	Depth Strike (m)	Depth Casing (m)	Depth Sealed (m)	Time Elapsed (min)	Water Level (m)

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Window Sample Log

Scale 1:50 Sheet 1 of 1

BH07

Contract no:	S250431	**Site:**	New Mills, Marsden	**Driller:**	SR Drilling Ltd
				Plant used:	Mini Rig
				Started:	13/05/2025
Client:	Dudleys			**Ended:**	13/05/2025
Method:	Small Percussive			**Backfilled:**	13/05/2025

GL (AOD):	
Easting:	405051
Northing:	411704
Logged:	TJ
Status:	FINAL

Backfill / Installation	Legend	Depth (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing: Depth (m)	Type	Results
		0.15		MADE GROUND: Concrete.	0.00 - 0.17	B+ES	
				MADE GROUND: Brown, slightly gravelly, ashy sand. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of sandstone, concrete, and brick.	0.30 - 0.50	B+ES	
					0.80 - 1.00	B+ES	
		1.10		MADE GROUND: Soft to firm grey-brown, slightly gravelly silty clay of high plasticity. Gravel is fine to coarse, angular to subangular of sandstone.	1.20 - 1.65	SPT (S)	N=5 (1,2/1,2,1,1)
					1.40 - 1.60	B+ES	
					1.80 - 2.00	B+ES	
					2.00 - 2.45	SPT (S)	N=4 (2,1/1,1,1,1)
					2.80 - 3.00	B	
					3.00 - 3.05	SPT (S)	N=50+ (25 for 20mm/50 for 30mm)
		3.20		Inferred SANDSTONE rockhead.	3.20 - 3.29	SPT (S)	N=50+ (12,13 for 10mm/50 for 5mm)
		3.25		End of Borehole at 3.250m			

Hole Diameter		Casing Depths		General Remarks	Chiselling			Ground Water				
Depth Base (m)	Diameter (mm)	Depth Base (m)	Diameter (mm)	1.2m Hand excavated inspection pit dug. No groundwater encountered.	From (m)	To (m)	Time (hr)	Depth Strike (m)	Depth Casing (m)	Depth Sealed (m)	Time Elapsed (min)	Water Level (m)

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Window Sample Log

Scale 1:50 Sheet 1 of 1

BH08

Contract no:	S250431	**Site:**	New Mills, Marsden	**Driller:**	SR Drilling Ltd
				Plant used:	Mini Rig
				Started:	13/05/2025
Client:	Dudleys			**Ended:**	13/05/2025
Method:	Small Percussive			**Backfilled:**	13/05/2025

GL (AOD):		
Easting:	405082	
Northing:	411712	
Logged:	TJ	
Status:	FINAL	

Backfill / Installation	Legend	Depth (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing		
					Depth (m)	Type	Results
		0.16		MADE GROUND: Concrete.	0.00 - 0.17	B+ES	
				MADE GROUND: Brown, sandy, slightly gravel of low cobble content. Sand is fine to coarse. Gravel and cobbles are fine to coarse, angular to subangular of reworked.	0.40 - 0.60	B+ES	
		0.70		Inferred SANDSTONE rockhead.	0.70 - 0.73	SPT (S)	N=50+ (25 for 20mm/50 for 10mm)
		0.73		End of Borehole at 0.730m			

Hole Diameter		Casing Depths		General Remarks	Chiselling			Ground Water				
Depth Base (m)	Diameter (mm)	Depth Base (m)	Diameter (mm)		From (m)	To (m)	Time (hr)	Depth Strike (m)	Depth Casing (m)	Depth Sealed (m)	Time Elapsed (min)	Water Level (m)
				0.70m Hand excavated inspection pit dug. No groundwater encountered.								

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Window Sample Log

Scale 1:50 Sheet 1 of 1

BH09

Contract no:	S250431	**Site:**	New Mills, Marsden	**Driller:**	SR Drilling Ltd
				Plant used:	Mini Rig
				Started:	13/05/2025
Client:	Dudleys			**Ended:**	13/05/2025
Method:	Small Percussive			**Backfilled:**	13/05/2025

GL (AOD):		
Easting:	405066	
Northing:	411704	
Logged:	TJ	
Status:	FINAL	

Backfill / Installation	Legend	Depth (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing		
					Depth (m)	Type	Results
				MADE GROUND: Concrete.	0.00 - 0.16	B+ES	
		0.16		MADE GROUND: Brown, sandy, slightly gravel of low cobble content. Sand is fine to coarse. Gravel and cobbles are fine to coarse, angular to subangular of reworked.	0.20 - 0.40	B+ES	
		0.40		MADE GROUND: Brown, gravelly sand. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of sandstone and concrete.	0.80 - 1.00	B+ES	
		1.10		Inferred SANDSTONE rockhead.	1.10 - 1.14	SPT (S)	N=50+ (25 for 20mm/50 for 15mm)
		1.10		End of Borehole at 1.100m			

Hole Diameter		Casing Depths		General Remarks	Chiselling			Ground Water				
Depth Base (m)	Diameter (mm)	Depth Base (m)	Diameter (mm)		From (m)	To (m)	Time (hr)	Depth Strike (m)	Depth Casing (m)	Depth Sealed (m)	Time Elapsed (min)	Water Level (m)
				1.2m Hand excavated inspection pit dug. No groundwater encountered.								

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Window Sample Log

Scale 1:50 Sheet 1 of 1

BH10

Contract no:	S250431	**Site:**	New Mills, Marsden	**Driller:**	SR Drilling Ltd
				Plant used:	Mini Rig
				Started:	13/05/2025
Client:	Dudleys			**Ended:**	13/05/2025
Method:	Small Percussive			**Backfilled:**	13/05/2025

GL (AOD):	
Easting:	405053
Northing:	411697
Logged:	TJ
Status:	FINAL

Backfill / Installation	Legend	Depth (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing		
					Depth (m)	Type	Results
		0.00		MADE GROUND: Concrete.	0.00 - 0.20	B+ES	
		0.20		MADE GROUND: Black-brown, clayey, slightly gravelly sand. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of sandstone, concrete and brick.	0.40 - 0.60	B+ES	
					0.80 - 1.00	B+ES	
					1.20 - 1.65	SPT (S)	N=8 (2,2/2,2,2,2)
		1.80		MADE GROUND: Soft to firm black-brown, slightly sandy, slightly gravelly clay of high plasticity. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of sandstone and brick.	1.80 - 2.00	B	
					2.00 - 2.45	SPT (S)	N=9 (2,3/2,2,3,2)
G					2.80 - 3.00	B	
		3.40		Inferred SANDSTONE rockhead.	3.40 - 3.56	SPT (S)	N=50+ (8,17 for 60mm/50 for 30mm)
		3.46		End of Borehole at 3.460m	3.40	B	

Hole Diameter		Casing Depths		General Remarks	Chiselling			Ground Water				
Depth Base (m)	Diameter (mm)	Depth Base (m)	Diameter (mm)		From (m)	To (m)	Time (hr)	Depth Strike (m)	Depth Casing (m)	Depth Sealed (m)	Time Elapsed (min)	Water Level (m)
				1.2m Hand excavated inspection pit dug. No groundwater encountered.								

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BH11

Contract no:	S250431	**Site:**	New Mills, Marsden	**Driller:**	SR Drilling Ltd
				Plant used:	Mini Rig
				Started:	13/05/2025
Client:	Dudleys			**Ended:**	13/05/2025
Method:	Small Percussive			**Backfilled:**	13/05/2025

GL (AOD):		
Easting:	405083	
Northing:	411702	
Logged:	TJ	
Status:	FINAL	

Backfill / Installation	Legend	Depth (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing		
					Depth (m)	Type	Results
				MADE GROUND: Concrete.	0.00 - 0.35	B+ES	
		0.36		MADE GROUND: Soft brown-grey, slightly sandy, slightly gravelly clay of high plasticity. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of sandstone, concrete, and brick.	0.80 - 1.00	B+ES	
					1.20 - 1.65	SPT (S)	N=4 (1,1/0,0,2,2)
					1.40 - 1.60	B	
					1.80 - 2.00	B+ES	
					2.00 - 2.45	SPT (S)	N=3 (1,0/0,1,0,2)
G					2.80 - 3.00	B	
					3.00 - 3.45	SPT (S)	N=2 (1,0/0,0,1,1)
		3.50		Inferred SANDSTONE rockhead.	3.50 - 3.56	SPT (S)	N=50+ (25 for 40mm/50 for 25mm)
		3.50		End of Borehole at 3.500m	3.50	B	

Hole Diameter		Casing Depths		General Remarks	Chiselling			Ground Water				
Depth Base (m)	Diameter (mm)	Depth Base (m)	Diameter (mm)		From (m)	To (m)	Time (hr)	Depth Strike (m)	Depth Casing (m)	Depth Sealed (m)	Time Elapsed (min)	Water Level (m)
				1.2m Hand excavated inspection pit dug. No groundwater encountered.								

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Window Sample Log

Scale 1:50 Sheet 1 of 1

BH12

Contract no:	S250431	**Site:**	New Mills, Marsden	**Driller:**	SR Drilling Ltd
				Plant used:	Mini Rig
				Started:	13/05/2025
Client:	Dudleys			**Ended:**	13/05/2025
Method:	Small Percussive			**Backfilled:**	14/05/2025

GL (AOD):		
Easting:	405066	
Northing:	411761	
Logged:	TJ	
Status:	FINAL	

Backfill / Installation	Legend	Depth (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing		
					Depth (m)	Type	Results
		0.20		MADE GROUND: Dark brown, slightly sandy, slightly gravelly topsoil. Sand is fine to coarse. Gravel is fine to coarse, subrounded to rounded of sandstone. Frequent rootlets.	0.20 - 0.40	B+ES	
				MADE GROUND: Brown, clayey, gravelly, sand of low cobble content. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of sandstone and brick. Cobbles are angular to subangular of sandstone and brick.	0.40 - 0.60	B+ES	
					0.80 - 1.00	B+ES	
					1.20 - 1.65	SPT (S)	N=9 (2,2/1,2,3,3)
					1.40 - 1.60	B	
					1.80 - 2.00	B	
					2.00 - 2.45	SPT (S)	N=14 (3,3/3,3,3,5)
					2.80 - 3.00	B	
G					3.00 - 3.20	SPT (S)	N=50+ (12,13 for 60mm/50 for 60mm)
		3.20		Inferred SANDSTONE rockhead.			
		3.20		End of Borehole at 3.200m			

Hole Diameter		Casing Depths		General Remarks	Chiselling			Ground Water				
Depth Base (m)	Diameter (mm)	Depth Base (m)	Diameter (mm)		From (m)	To (m)	Time (hr)	Depth Strike (m)	Depth Casing (m)	Depth Sealed (m)	Time Elapsed (min)	Water Level (m)
				1.2m Hand excavated inspection pit dug. No groundwater encountered.								

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Window Sample Log

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BH13

Contract no:	S250431	**Site:**	New Mills, Marsden	**Driller:**	SR Drilling Ltd
				Plant used:	Mini Rig
				Started:	14/05/2025
Client:	Dudleys			**Ended:**	14/05/2025
Method:	Small Percussive			**Backfilled:**	14/05/2025

GL (AOD):	
Easting:	405088
Northing:	411763
Logged:	TJ
Status:	FINAL

Backfill / Installation	Legend	Depth (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing: Depth (m)	Type	Results
		0.20		MADE GROUND: Dark brown, slightly sandy, slightly gravelly topsoil. Sand is fine to coarse. Gravel is fine to coarse, subrounded to rounded of sandstone. Frequent rootlets.	0.20 - 0.40	B+ES	
				MADE GROUND: Dark brown, clayey, gravelly sand. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of sandstone.	0.40 - 0.60	B+ES	
					0.80 - 1.00	B+ES	
		1.10		Medium dense dark brown, clayey, very sandy, GRAVEL of low cobble content. Gravel and cobbles are fine to coarse, angular to subangular of sandstone.	1.20 - 1.65	SPT (S)	N=10 (3,2/3,3,2,2)
					1.40 - 1.60	B	
					1.80 - 2.00	B	
					2.00 - 2.45	SPT (S)	N=12 (3,2/3,2,4,3)
					2.80 - 3.00	B	
		3.00		Inferred SANDSTONE rockhead.	3.00 - 3.12	SPT (S)	N=50+ (25 for 60mm/50 for 55mm)
		3.10		End of Borehole at 3.100m			

Hole Diameter		Casing Depths		General Remarks	Chiselling			Ground Water				
Depth Base (m)	Diameter (mm)	Depth Base (m)	Diameter (mm)	1.2m Hand excavated inspection pit dug. No groundwater encountered.	From (m)	To (m)	Time (hr)	Depth Strike (m)	Depth Casing (m)	Depth Sealed (m)	Time Elapsed (min)	Water Level (m)

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BH14

Contract no:	S250431	**Site:**	New Mills, Marsden	**Driller:**	SR Drilling Ltd
				Plant used:	Mini Rig
				Started:	14/05/2025
Client:	Dudleys			**Ended:**	14/05/2025
Method:	Small Percussive			**Backfilled:**	14/05/2025

GL (AOD):		
Easting:	405074	
Northing:	411748	
Logged:	TJ	
Status:	FINAL	

Backfill / Installation	Legend	Depth (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing		
					Depth (m)	Type	Results
				MADE GROUND: Concrete.			
		0.20		MADE GROUND: Soft to firm rown, sandy, slightly gravelly clay. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of sandstone, brick, and concrete.	0.20 - 0.40	B+ES	
					0.40 - 0.60	B+ES	
					1.20 - 1.65	SPT (S)	N=10 (1,2/2,2,3,3)
					1.40 - 1.60	B	
					1.80 - 2.00	B	
		2.00		Dark brown, clayey GRAVEL. Gravel is fine to coarse, angular to subangular of sandstone.	2.00 - 2.15	SPT (S)	N=50+ (8,17 for 30mm/50 for 45mm)
		2.10		Inferred SANDSTONE rockhead.			
		2.10		End of Borehole at 2.100m			

Hole Diameter		Casing Depths		General Remarks	Chiselling			Ground Water				
Depth Base (m)	Diameter (mm)	Depth Base (m)	Diameter (mm)	1.2m Hand excavated inspection pit dug. No groundwater encountered.	From (m)	To (m)	Time (hr)	Depth Strike (m)	Depth Casing (m)	Depth Sealed (m)	Time Elapsed (min)	Water Level (m)

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Window Sample Log

Scale 1:50 Sheet 1 of 1

BH15A

Contract no:	S250431	**Site:**	New Mills, Marsden	**Driller:**	SR Drilling Lt
				Plant used:	Handdrill
				Started:	14/05/2025
Client:	Dudleys			**Ended:**	14/05/2025
Method:	Handdrill			**Backfilled:**	

GL (AOD):	
Easting:	
Northing:	
Logged:	TJ
Status:	FINAL

Backfill / Installation	Legend	Depth (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing: Depth (m)	Type	Results
				MADE GROUND: Concrete.			
		0.35		VOID.			
		2.00		MADE GROUND: Rubble/concrete.			
				End of Borehole at 2.000m			

Hole Diameter		Casing Depths		General Remarks	Chiselling			Ground Water				
Depth Base (m)	Diameter (mm)	Depth Base (m)	Diameter (mm)		From (m)	To (m)	Time (hr)	Depth Strike (m)	Depth Casing (m)	Depth Sealed (m)	Time Elapsed (min)	Water Level (m)
				Surface drilled via handdrill. No handdug pit/backfill.								

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Window Sample Log

Scale 1:50 Sheet 1 of 1

BH15B

Contract no:	S250431	**Site:**	New Mills, Marsden	**Driller:**	SR Drilling Ltd
				Plant used:	Mini Rig
				Started:	14/05/2025
Client:	Dudleys			**Ended:**	14/05/2025
Method:	Small Percussive			**Backfilled:**	14/05/2025

GL (AOD):			
Easting:	405104		
Northing:	411752		
Logged:	TJ		
Status:	FINAL		

Backfill / Installation	Legend	Depth (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing		
					Depth (m)	Type	Results
				MADE GROUND: Concrete.	0.00 - 0.35	B+ES	
		0.35					
		0.35		MADE GROUND: Red to brown brick wall.			
				End of Borehole at 0.350m			

Hole Diameter		Casing Depths		General Remarks	Chiselling			Ground Water				
Depth Base (m)	Diameter (mm)	Depth Base (m)	Diameter (mm)		From (m)	To (m)	Time (hr)	Depth Strike (m)	Depth Casing (m)	Depth Sealed (m)	Time Elapsed (min)	Water Level (m)
				Surface cored - no inspection pit excavated due to void. No groundwater encountered.								

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Rotary Coring Log

Scale 1:50 Sheet 1 of 1

Core 25

Contract no: S250431 **Site:** New Mills, Marsden

Client: Dudleys

Method:

Driller:
Plant used:
Started: 14/05/2025
Ended: 14/05/2025
Backfilled:

GL (AOD):
Easting: 405100.87
Northing: 411746.62
Logged:
Status: FINAL

Backfill / Installation	Legend	Depth (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing: Depth (m)	Type	Results	Coring / Fractures: TCR (%)	SCR (%)	RQD (%)	Fracture
				MADE GROUND: Concrete.							
		0.20		VOID.							
		3.40		MADE GROUND: Rubble/concrete.							
				End of Borehole at 3.400m							

Hole Diameter		Casing Depths		General Remarks	Flush Returns				Ground Water				
Depth Base (m)	Diameter (mm)	Depth Base (m)	Diameter (mm)	Inspection of existing position done previously.	From (m)	To (m)	Flush Type	Flush (%)	Depth Strike (m)	Depth Casing (m)	Depth Sealed (m)	Time Elapsed (min)	Water Level (m)

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Trial Pit Log

TrialPit No
ESO1
Sheet 1 of 1

Project Name:	New Mills, Marsden	Project No. S250431	Co-ords: 405111E - 411745N Level:
Plant Used:	N/A	Dimensions (m): Depth 1.90	Date 14/05/2025 Scale 1:26
Client:	Dudleys		Logged TJ

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							VOID.
				1.90			MADE GROUND: Rubble/concrete. End of Pit at 1.900m

1
2
3
4
5

Remarks: Inspection of existing slab opening.

Stability:

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Rotary Coring Log

Scale 1:50 Sheet 1 of 1

FC01

Contract no:	S250431	**Site:**	New Mills, Marsden	**Driller:**	SR Drilling Ltd
				Plant used:	Corer
				Started:	14/05/2025
Client:	Dudleys			**Ended:**	14/05/2025
Method:	Coring Rig			**Backfilled:**	

GL (AOD):			
Easting:	405088.95		
Northing:	411739.53		
Logged:	TJ		
Status:	FINAL		

Backfill / Installation	Legend	Depth (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing			Coring / Fractures			
					Depth (m)	Type	Results	TCR (%)	SCR (%)	RQD (%)	Fracture
		0.18		MADE GROUND: Concrete.							
				VOID.							
		1.80		MADE GROUND: Rubble.							
				End of Borehole at 1.800m							

Hole Diameter		Casing Depths		General Remarks	Flush Returns				Ground Water				
Depth Base (m)	Diameter (mm)	Depth Base (m)	Diameter (mm)	No groundwater encountered.	From (m)	To (m)	Flush Type	Flush (%)	Depth Strike (m)	Depth Casing (m)	Depth Sealed (m)	Time Elapsed (min)	Water Level (m)

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Trial Pit Log

TrialPit No
FETP01
Sheet 1 of 1

Project Name:	New Mills, Marsden	Project No. S250431	Co-ords: 404963E - 411644N Level:
Plant Used:	Hand Tools	Dimensions (m): Depth 0.25	Date 13/05/2025 Scale 1:26
Client:	Dudleys		Logged TJ

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.15			MADE GROUND: Concrete.
				0.25			MADE GROUND: Brown, gravelly sand of low cobble content. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of sandstone, brick, and concrete. Cobbles are fine to coarse, angular to subangular of sandstone and brick.
				0.25			MADE GROUND: Soft, brown, sandy, slightly gravelly clay. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of sandstone, brick, and concrete.
							End of Pit at 0.250m

1
2
3
4
5

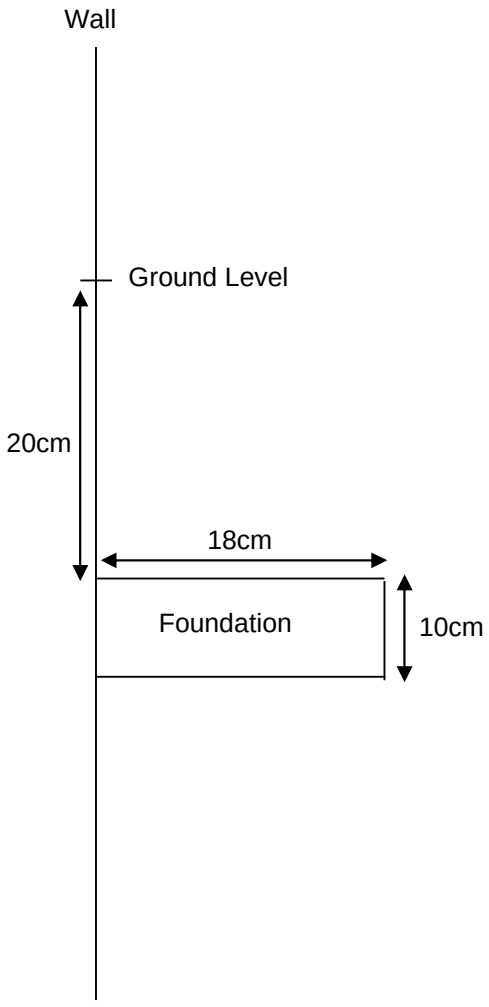
Remarks: No groundwater encountered.

Stability:

New Mills, Marsden

S250431

FETP01



NTS

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Trial Pit Log

TrialPit No
FETP02
Sheet 1 of 1

Project Name:	New Mills, Marsden	Project No. S250431	Co-ords: 404988E - 411678N Level:
Plant Used:	Hand Tools	Dimensions (m): Depth 0.60	Scale 1:26
Client:	Dudleys		Logged TJ

Date 13/05/2025

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.20			MADE GROUND: Concrete.
				0.60			MADE GROUND: Brown, gravelly sand of low cobble content. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of sandstone, brick, and concrete. Cobbles are fine to coarse, angular to subangular of sandstone and brick.
				0.60			MADE GROUND: Brown, clayey, slightly gravelly sand. Sand is fine to coarse Gravel is fine to coarse, angular to subangular of sandstone, brick, and concrete.
							End of Pit at 0.600m

1
2
3
4
5

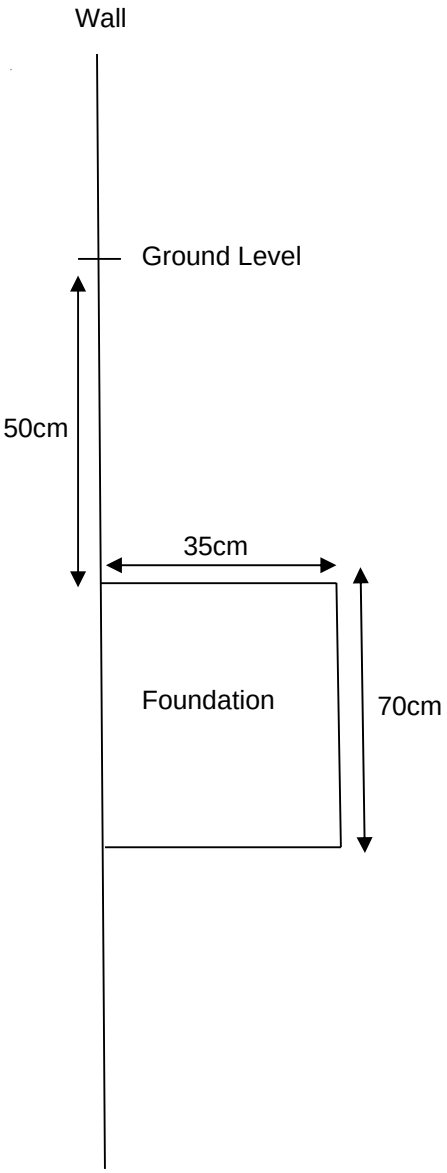
Remarks: No groundwater encountered.

Stability:

New Mills, Marsden

S250431

FETP02



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Trial Pit Log

TrialPit No
FETP03
Sheet 1 of 1

Project Name:	New Mills, Marsden	Project No. S250431	Co-ords: 405012E - 411680N Level:
Plant Used:	Hand Tools	Dimensions (m): Depth 0.40	Scale 1:26
Client:	Dudleys		Logged TJ

Date 13/05/2025

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.18			MADE GROUND: Concrete.
				0.40			MADE GROUND: Brown, gravelly sand of low cobble content. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of sandstone, brick, and concrete. Cobbles are fine to coarse, angular to subangular of sandstone and brick.
				0.40			MADE GROUND: Brown, clayey, slightly gravelly sand. Sand is fine to coarse Gravel is fine to coarse, angular to subangular of sandstone, brick, and concrete.
							End of Pit at 0.400m

1
2
3
4
5

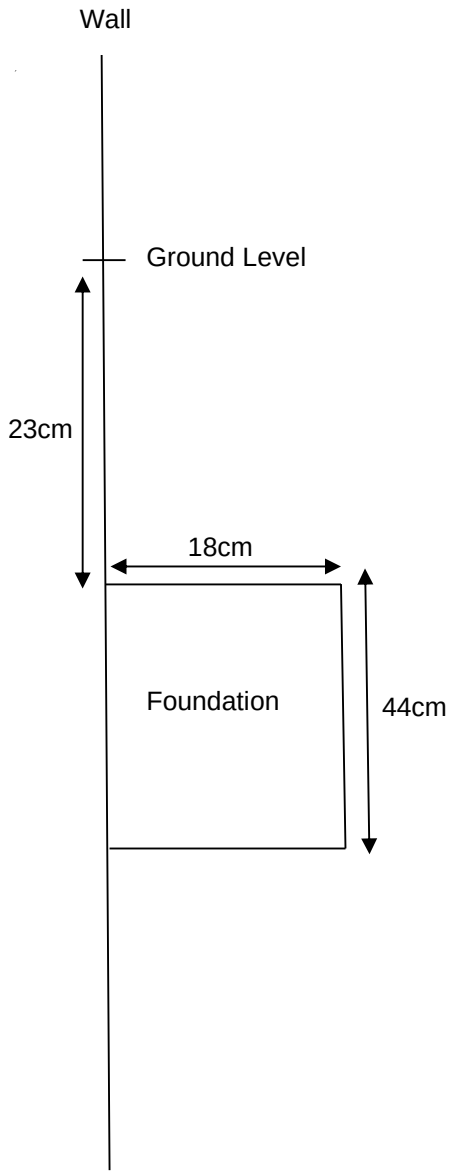
Remarks: No groundwater encountered.

Stability:

New Mills, Marsden

S250431

FETP03



NTS

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Trial Pit Log

TrialPit No
FETP04
Sheet 1 of 1

Project Name:	New Mills, Marsden	Project No. S250431	Co-ords: 405025E - 411662N Level:
Plant Used:	Hand Tools	Dimensions (m): Depth 1.10	Date 13/05/2025
Client:	Dudleys		Scale 1:26 Logged TJ

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.20			MADE GROUND: Concrete.
							MADE GROUND: Brown, gravelly sand of low cobble content. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of sandstone, brick, and concrete. Cobbles are fine to coarse, angular to subangular of sandstone and brick.
							0.40m: Pipe at 0.50m
				1.10			MADE GROUND: Brown, clayey, slightly gravelly sand. Sand is fine to coarse Gravel is fine to coarse, angular to subangular of sandstone, brick, and concrete.
				1.10			End of Pit at 1.100m

1
2
3
4
5

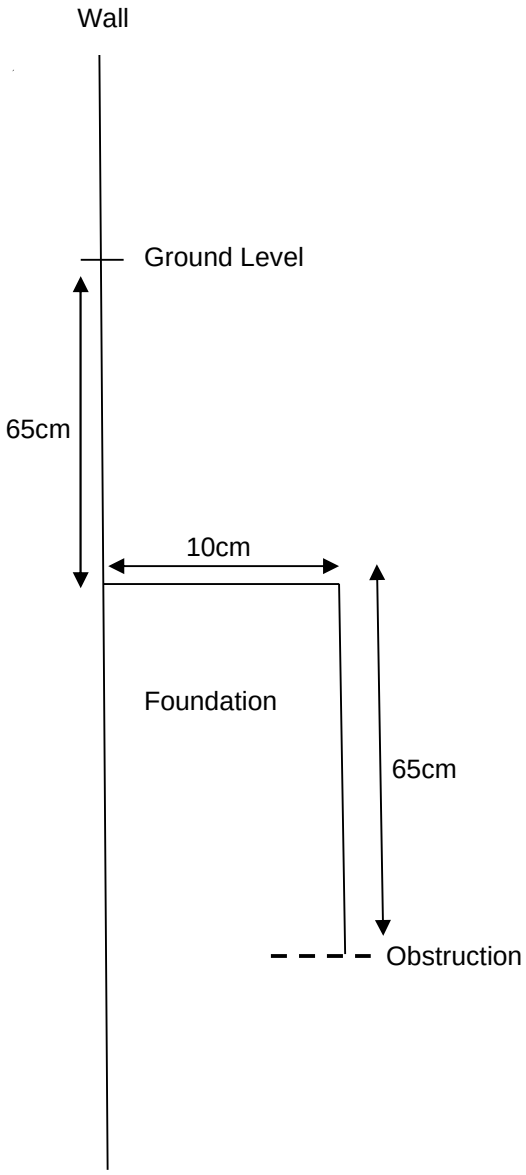
Remarks: No groundwater encountered.

Stability:

New Mills, Marsden

S250431

FETP04



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Trial Pit Log

TrialPit No
FETP05
Sheet 1 of 1

Project Name:	New Mills, Marsden	Project No. S250431	Co-ords: 405049E - 411693N Level:
Plant Used:	Hand Tools	Dimensions (m): Depth 0.70	Date 13/05/2025 Scale 1:26
Client:	Dudleys		Logged TJ

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.30			MADE GROUND: Concrete.
				0.70			MADE GROUND: Brown-black, sandy, gravel of low cobble content. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of sandstone, brick, and concrete. Cobbles are fine to coarse, angular to subangular of brick and concrete.
				0.70			MADE GROUND: Brown, clayey, slightly gravelly sand. Sand is fine to coarse Gravel is fine to coarse, angular to subangular of sandstone, brick, and concrete.
							End of Pit at 0.700m

1
2
3
4
5

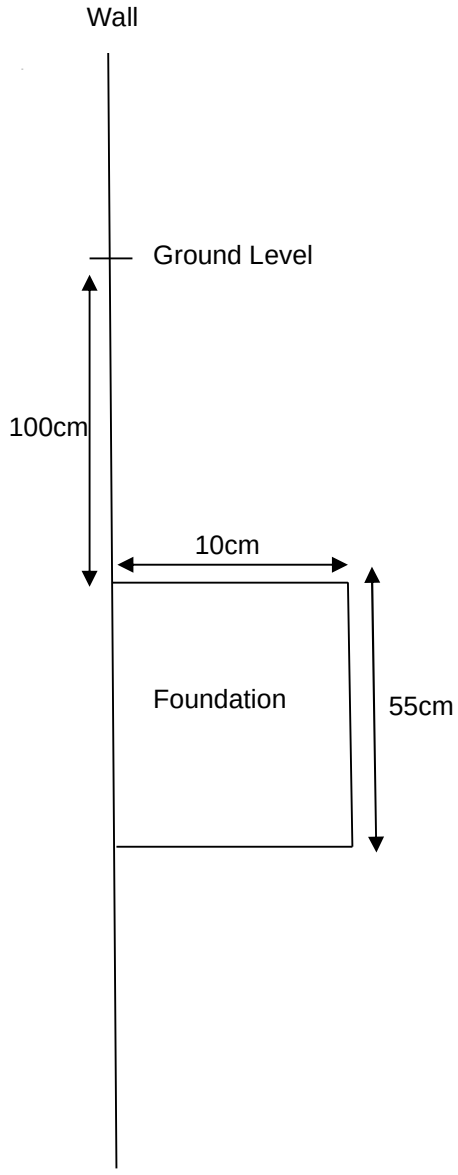
Remarks: No groundwater encountered.

Stability:

New Mills, Marsden

S250431

FETP05



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Trial Pit Log

TrialPit No
FETP06
Sheet 1 of 1

Project Name:	New Mills, Marsden	Project No. S250431	Co-ords: 405071E - 411662N Level:
Plant Used:	Hand Tools	Dimensions (m): Depth 1.30	Date 13/05/2025
Client:	Dudleys		Scale 1:26 Logged TJ

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.20			MADE GROUND: Concrete.
				0.55			MADE GROUND: Brown, gravelly sand. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of sandstone, brick, and concrete.
				0.75			MADE GROUND: Soft, brown, sandy, slightly gravelly cla. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of sandstone, brick, and concrete.
				1.30			MADE GROUND: Soft, dark grey, sandy, slightly gravelly clay. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of sandstone and concrete.
				1.30			Inferred SANDSTONE rockhead. End of Pit at 1.300m

Remarks: No groundwater encountered.

Stability:

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Trial Pit Log

TrialPit No
FETP07
Sheet 1 of 1

Project Name:	New Mills, Marsden	Project No. S250431	Co-ords: 405083E - 411674N Level:
Plant Used:	Hand Tools	Dimensions (m): Depth 1.40	Date 13/05/2025 Scale 1:26
Client:	Dudleys		Logged TJ

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							MADE GROUND: Concrete.
▼				0.30			MADE GROUND: Brown-black, sandy, gravel of low cobble content. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of sandstone, brick, and concrete. Cobbles are fine to coarse, angular to subangular of brick and concrete.
				1.40			MADE GROUND: Brown, clayey, slightly gravelly sand. Sand is fine to coarse Gravel is fine to coarse, angular to subangular of sandstone, brick, and concrete.
				1.40			End of Pit at 1.400m

1
2
3
4
5

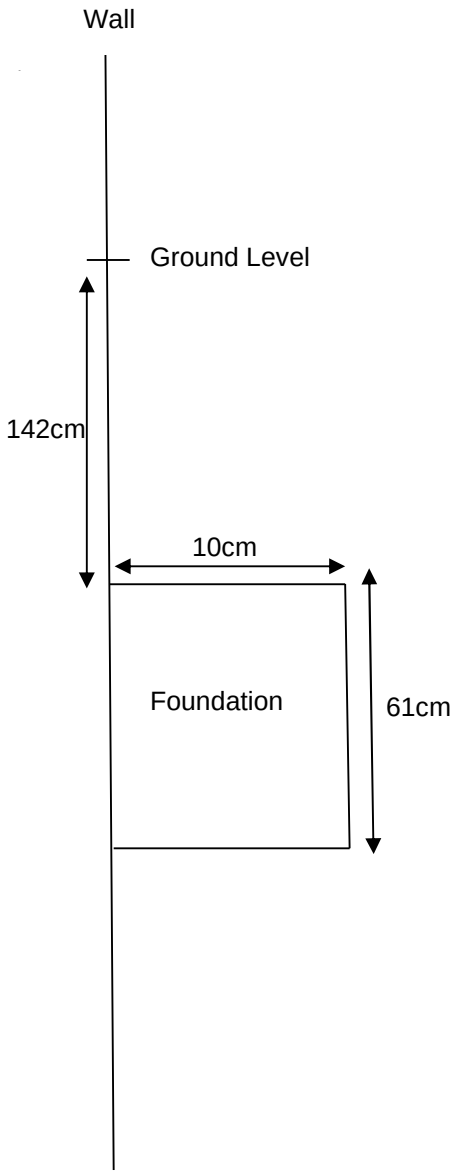
Remarks: Groundwater encountered at 0.40m.

Stability:

New Mills, Marsden

S250431

FETP07



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Wall Coring Log

Scale 1:10 Sheet 1 of 1

WC01

Contract no:	S250431	**Site:**	New Mills, Marsden	**Driller:**	SR Drilling Ltd
				Plant used:	Corer
				Started:	14/05/2025
Client:	Dudleys			**Ended:**	14/05/2025
Method:	Coring Rig			**Backfilled:**	

GL (AOD):	
Easting:	404934
Northing:	411677
Logged:	TJ
Status:	FINAL

Backfill / Installation	Legend	Length (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing: Depth (m)	Type	Results
				BRICK			
		0.34		SANDSTONE			
		0.41		SOIL infill			
		0.45		End of Borehole at 0.450m			

Hole Diameter		Casing Depths		General Remarks	Chiselling			Ground Water				
Depth Base (m)	Diameter (mm)	Depth Base (m)	Diameter (mm)		From (m)	To (m)	Time (hr)	Depth Strike (m)	Depth Casing (m)	Depth Sealed (m)	Time Elapsed (min)	Water Level (m)

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Wall Coring Log

Scale 1:10 Sheet 1 of 1

WC02

Contract no:	S250431	**Site:**	New Mills, Marsden	**Driller:**	SR Drilling Ltd
				Plant used:	Corer
				Started:	14/05/2025
Client:	Dudleys			**Ended:**	14/05/2025
Method:	Coring Rig			**Backfilled:**	

GL (AOD):	
Easting:	404944
Northing:	411650
Logged:	TJ
Status:	FINAL

Backfill / Installation	Legend	Length (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing: Depth (m)	Type	Results
				BRICK			
		0.24		SANDSTONE 1			
		0.45		End of Borehole at 0.450m			

Hole Diameter		Casing Depths		General Remarks	Chiselling			Ground Water				
Depth Base (m)	Diameter (mm)	Depth Base (m)	Diameter (mm)		From (m)	To (m)	Time (hr)	Depth Strike (m)	Depth Casing (m)	Depth Sealed (m)	Time Elapsed (min)	Water Level (m)

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Wall Coring Log

Scale 1:10 Sheet 1 of 1

WC03

Contract no:	S250431	**Site:**	New Mills, Marsden	**Driller:**	SR Drilling Ltd
				Plant used:	Corer
				Started:	14/05/2025
Client:	Dudleys			**Ended:**	14/05/2025
Method:	Coring Rig			**Backfilled:**	

GL (AOD):	
Easting:	404985
Northing:	411650
Logged:	TJ
Status:	FINAL

Backfill / Installation	Legend	Length (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing: Depth (m)	Type	Results
				SANDSTONE 2			
		0.20		CAVITY/GRAVEL infill			
		0.30		SANDSTONE			
		0.48		SOIL infill			
		0.53		End of Borehole at 0.530m			

Hole Diameter		Casing Depths		General Remarks	Chiselling			Ground Water				
Depth Base (m)	Diameter (mm)	Depth Base (m)	Diameter (mm)		From (m)	To (m)	Time (hr)	Depth Strike (m)	Depth Casing (m)	Depth Sealed (m)	Time Elapsed (min)	Water Level (m)

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Wall Coring Log

Scale 1:10 Sheet 1 of 1

WC04

Contract no:	S250431	**Site:**	New Mills, Marsden	**Driller:**	SR Drilling Ltd
				Plant used:	Corer
				Started:	14/05/2025
Client:	Dudleys			**Ended:**	14/05/2025
Method:	Coring Rig			**Backfilled:**	

GL (AOD):	
Easting:	405023
Northing:	411746
Logged:	TJ
Status:	FINAL

Backfill / Installation	Legend	Length (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing: Depth (m)	Type	Results
				BRICK			
		0.10		SANDSTONE 1			
		0.25		SANDSTONE 2			
		0.39		SANDSTONE 3			
		0.51		CLAY			
		0.68		End of Borehole at 0.680m			

Hole Diameter		Casing Depths		General Remarks	Chiselling			Ground Water				
Depth Base (m)	Diameter (mm)	Depth Base (m)	Diameter (mm)		From (m)	To (m)	Time (hr)	Depth Strike (m)	Depth Casing (m)	Depth Sealed (m)	Time Elapsed (min)	Water Level (m)

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Wall Coring Log

Scale 1:10 Sheet 1 of 1

WC05

Contract no:	S250431	**Site:**	New Mills, Marsden	**Driller:**	SR Drilling Ltd
				Plant used:	Corer
				Started:	14/05/2025
Client:	Dudleys			**Ended:**	14/05/2025
Method:	Coring Rig			**Backfilled:**	

GL (AOD):	
Easting:	405058
Northing:	411751
Logged:	TJ
Status:	FINAL

Backfill / Installation	Legend	Length (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing: Depth (m)	Type	Results
				BRICK			
		0.13		SANDSTONE 1			
		0.24		SANDSTONE 2			
		0.46		SANDSTONE 3			
		0.61		SANDSTONE 4			
		0.77		CLAY			
		0.82		End of Borehole at 0.820m			

Hole Diameter		Casing Depths		General Remarks	Chiselling			Ground Water				
Depth Base (m)	Diameter (mm)	Depth Base (m)	Diameter (mm)		From (m)	To (m)	Time (hr)	Depth Strike (m)	Depth Casing (m)	Depth Sealed (m)	Time Elapsed (min)	Water Level (m)

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Wall Coring Log

Scale 1:10 Sheet 1 of 1

WC06

Contract no:	S250431	**Site:**	New Mills, Marsden	**Driller:**	SR Drilling Ltd
				Plant used:	Corer
				Started:	14/05/2025
Client:	Dudleys			**Ended:**	14/05/2025
Method:	Coring Rig			**Backfilled:**	

GL (AOD):	
Easting:	405069
Northing:	411752
Logged:	TJ
Status:	FINAL

Backfill / Installation	Legend	Length (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing: Depth (m)	Type	Results
				BRICK			
		0.10		SANDSTONE 1			
		0.17		SANDSTONE 2			
		0.27		SANDSTONE 3			
		0.42		SANDSTONE 4			
		0.52		GRAVEL infill			
		0.60		End of Borehole at 0.600m			

Hole Diameter		Casing Depths		General Remarks	Chiselling			Ground Water				
Depth Base (m)	Diameter (mm)	Depth Base (m)	Diameter (mm)		From (m)	To (m)	Time (hr)	Depth Strike (m)	Depth Casing (m)	Depth Sealed (m)	Time Elapsed (min)	Water Level (m)

APPENDIX C:
Contamination Laboratory Results

Certificate of Analysis

Certificate Number	25-11167-1	*Issued:*	02-Jun-25
Client	SOLMEK 12 Yarm Road Stockton On Tees Cleveland TS18 3NA		

Our Reference	25-11167-1
Client Reference ~	S250431
Order No ~	SOL-9605/LC/S250341
Contract Title ~	New Mills, Marsden
Description	10 Soil samples, 6 Leachate prepared by DETS samples, 2 Water No Information Supplied samples.
Date Received	20-May-25
Date Started	20-May-25
Date Completed	02-Jun-25
Test Procedures	Identified by prefix DETSn (details on request).
Notes	**This report supersedes 25-11167; Sample info updated at client request** Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

Approved By

Louise Cook
Contracts Manager

2139

Summary of Chemical Analysis
Matrix Descriptions

Our Ref 25-11167-1
Client Ref ~ S250431
Contract Title ~ New Mills, Marsden

Sample ID	Depth	Lab No	Completed	Matrix Description
BH01	1.40-1.60	2511013	31/05/2025	Dark brown gravelly, sandy CLAY
BH03	0.40-0.60	2511014	31/05/2025	Dark brown gravelly, sandy CLAY including odd rootlets
BH05	0.25-0.60	2511015	31/05/2025	Dark brown gravelly, sandy CLAY
BH06	0.40-0.60	2511016	31/05/2025	Dark brown very gravelly, sandy CLAY including odd rootlets
BH07	1.40-1.60	2511017	31/05/2025	Dark brown slightly gravelly, sandy CLAY including odd rootlets
BH09	0.20-0.40	2511018	31/05/2025	Brown very gravelly, sandy CLAY
BH11	0.80-1.00	2511019	31/05/2025	Dark brown very gravelly, sandy CLAY including odd rootlets (Possible made ground - plastic) (Possible made ground - glass)
BH12	0.20-0.40	2511020	31/05/2025	Dark brown very gravelly, sandy CLAY including numerous rootlets
BH13	0.20-0.40	2511021	31/05/2025	Dark brown gravelly, sandy CLAY including odd rootlets
BH14	0.40-0.60	2511022	31/05/2025	Dark brown gravelly, sandy CLAY including odd rootlets

Summary of Chemical Analysis
Soil Samples

Our Ref 25-11167-1
Client Ref ~ S250431
Contract Title ~ New Mills, Marsden

				Deviating	Deviating	Deviating	Deviating	Deviating	Deviating
			Lab No	2511013	2511014	2511015	2511016	2511017	2511018
			Sample ID ~	BH01	BH03	BH05	BH06	BH07	BH09
			Depth ~	1.40-1.60	0.40-0.60	0.25-0.60	0.40-0.60	1.40-1.60	0.20-0.40
			Other ID ~						
			Sample Type ~	ES	ES	ES	ES	ES	ES
			Sampling Date ~	12/05/2025	12/05/2025	12/05/2025	13/05/2025	13/05/2025	13/05/2025
			Sampling Time ~	n/s	n/s	n/s	n/s	n/s	n/s
Test	**Method**	**LOD**	**Units**						
Preparation									
Moisture Content	DETSC 1004	0.1	%	34	20		13		
Metals									
Arsenic	DETSC 2301#	0.2	mg/kg	15	4.7	12	5.3	9.6	1.9
Boron, Water Soluble (2.5:1)	DETSC 2311#	0.2	mg/kg	1.1	0.3	0.8	0.3	0.6	0.4
Cadmium	DETSC 2301#	0.1	mg/kg	1.0	0.2	0.5	0.3	0.4	0.3
Chromium	DETSC 2301#	0.15	mg/kg	110	21	61	12	39	7.4
Chromium, Hexavalent	DETSC 2204*	1	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Copper	DETSC 2301#	0.2	mg/kg	52	17	42	22	40	12
Lead	DETSC 2301#	0.3	mg/kg	160	36	72	42	70	6.0
Mercury	DETSC 2325#	0.05	mg/kg	0.22	< 0.05	0.10	< 0.05	0.06	< 0.05
Nickel	DETSC 2301#	1	mg/kg	27	13	23	19	23	7.2
Selenium	DETSC 2301#	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Zinc	DETSC 2301#	1	mg/kg	130	38	72	51	65	23
Inorganics									
pH	DETSC 2008#		pH	6.4	5.2	5.4	7.8	5.6	12.0
Cyanide, Free	DETSC 2130#	0.1	mg/kg	0.2	0.1	0.2	< 0.1	0.3	< 0.1
Organic matter	DETSC 2002#	0.1	%	4.3	1.8	6.2	0.9	6.5	0.2
Sulphate Aqueous Extract as SO4 (2:1)	DETSC 2076#	10	mg/l	1300	140	1100	100	440	81
Petroleum Hydrocarbons									
Aliphatic C5-C6: HS_1D_AL	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C6-C8: HS_1D_AL	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C8-C10: HS_1D_AL	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >EC10-EC12: EH_2D_AL	DETSC 3521#	1.5	mg/kg	< 1.50	< 1.50	< 1.50	< 1.50	< 1.50	< 1.50
Aliphatic >EC12-EC16: EH_2D_AL	DETSC 3521#	1.2	mg/kg	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20
Aliphatic >EC16-EC21: EH_2D_AL	DETSC 3521#	1.5	mg/kg	< 1.50	< 1.50	< 1.50	< 1.50	< 1.50	< 1.50
Aliphatic >EC21-EC35: EH_2D_AL	DETSC 3521#	3.4	mg/kg	< 3.40	< 3.40	< 3.40	< 3.40	< 3.40	< 3.40
Aliphatic >EC35-EC40: EH_2D_AL	DETSC 3521*	3.4	mg/kg	< 3.40	< 3.40	< 3.40	< 3.40	< 3.40	< 3.40
Aliphatic C5-C40: EH_2D+HS_1D_AL	DETSC 3521*	10	mg/kg	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00
Aromatic C5-C7: HS_1D_AR	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C7-C8: HS_1D_AR	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C8-C10: HS_1D_AR	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >EC10-EC12: EH_2D_AR	DETSC 3521#	0.9	mg/kg	< 0.90	< 0.90	< 0.90	< 0.90	< 0.90	< 0.90
Aromatic >EC12-EC16: EH_2D_AR	DETSC 3521#	0.5	mg/kg	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Aromatic >EC16-EC21: EH_2D_AR	DETSC 3521#	0.6	mg/kg	2.29	4.12	2.33	1.20	1.66	1.51
Aromatic >EC21-EC35: EH_2D_AR	DETSC 3521#	1.4	mg/kg	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40
Aromatic >EC35-EC40: EH_2D_AR	DETSC 3521*	1.4	mg/kg	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40
Aromatic C5-C40: EH_2D+HS_1D_AR	DETSC 3521*	10	mg/kg	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00
TPH Ali/Aro C5-C40: EH_2D+HS_1D_Total	DETSC 3521*	10	mg/kg	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00
Benzene	DETSC 3321#	0.01	mg/kg	< 0.01		< 0.01			
Ethylbenzene	DETSC 3321#	0.01	mg/kg	< 0.01		< 0.01			
Toluene	DETSC 3321#	0.01	mg/kg	< 0.01		< 0.01			

Summary of Chemical Analysis
Soil Samples

Our Ref 25-11167-1
Client Ref ~ S250431
Contract Title ~ New Mills, Marsden

				Deviating	Deviating	Deviating	Deviating	Deviating	Deviating
			Lab No	2511013	2511014	2511015	2511016	2511017	2511018
			Sample ID ~	BH01	BH03	BH05	BH06	BH07	BH09
			Depth ~	1.40-1.60	0.40-0.60	0.25-0.60	0.40-0.60	1.40-1.60	0.20-0.40
			Other ID ~						
			Sample Type ~	ES	ES	ES	ES	ES	ES
			Sampling Date ~	12/05/2025	12/05/2025	12/05/2025	13/05/2025	13/05/2025	13/05/2025
			Sampling Time ~	n/s	n/s	n/s	n/s	n/s	n/s
Test	**Method**	**LOD**	**Units**						
Xylene	DETSC 3321#	0.01	mg/kg	< 0.01		< 0.01			
MTBE	DETSC 3321	0.01	mg/kg	< 0.01		< 0.01			
PAHs									
Naphthalene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Anthracene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Pyrene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(a)anthracene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(b)fluoranthene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(k)fluoranthene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(a)pyrene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Indeno(1,2,3-c,d)pyrene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Dibenzo(a,h)anthracene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(g,h,i)perylene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
PAH 16 Total	DETSC 3301	1.6	mg/kg	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
PCBs									
PCB 77	DETSC 3401*	0.01	mg/kg				< 0.01	< 0.01	< 0.01
PCB 81	DETSC 3401*	0.01	mg/kg				< 0.01	< 0.01	< 0.01
PCB 105	DETSC 3401*	0.01	mg/kg				< 0.01	< 0.01	< 0.01
PCB 114	DETSC 3401*	0.01	mg/kg				< 0.01	< 0.01	< 0.01
PCB 118	DETSC 3401#	0.01	mg/kg				< 0.01	< 0.01	< 0.01
PCB 123	DETSC 3401*	0.01	mg/kg				< 0.01	< 0.01	< 0.01
PCB 126	DETSC 3401*	0.01	mg/kg				< 0.01	< 0.01	< 0.01
PCB 156	DETSC 3401*	0.01	mg/kg				< 0.01	< 0.01	< 0.01
PCB 157	DETSC 3401*	0.01	mg/kg				< 0.01	< 0.01	< 0.01
PCB 167	DETSC 3401*	0.01	mg/kg				< 0.01	< 0.01	< 0.01
PCB 169	DETSC 3401*	0.01	mg/kg				< 0.01	< 0.01	< 0.01
PCB 189	DETSC 3401*	0.01	mg/kg				< 0.01	< 0.01	< 0.01
Phenols									
Phenol - Monohydric	DETSC 2130#	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3

Summary of Chemical Analysis
Soil Samples

Our Ref 25-11167-1
Client Ref ~ S250431
Contract Title ~ New Mills, Marsden

				Deviating	Deviating	Deviating	Deviating
			Lab No	2511019	2511020	2511021	2511022
			Sample ID ~	BH11	BH12	BH13	BH14
			Depth ~	0.80-1.00	0.20-0.40	0.20-0.40	0.40-0.60
			Other ID ~				
			Sample Type ~	ES	ES	ES	ES
			Sampling Date ~	13/05/2025	14/05/2025	14/05/2025	14/05/2025
			Sampling Time ~	n/s	n/s	n/s	n/s
Test	**Method**	**LOD**	**Units**				
Preparation							
Moisture Content	DETSC 1004	0.1	%		11		
Metals							
Arsenic	DETSC 2301#	0.2	mg/kg	11	14	15	8.2
Boron, Water Soluble (2.5:1)	DETSC 2311#	0.2	mg/kg	0.7	0.4	0.5	0.6
Cadmium	DETSC 2301#	0.1	mg/kg	0.3	0.4	0.3	0.1
Chromium	DETSC 2301#	0.15	mg/kg	34	27	41	28
Chromium, Hexavalent	DETSC 2204*	1	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0
Copper	DETSC 2301#	0.2	mg/kg	54	47	50	58
Lead	DETSC 2301#	0.3	mg/kg	130	190	240	40
Mercury	DETSC 2325#	0.05	mg/kg	0.47	0.14	0.14	< 0.05
Nickel	DETSC 2301#	1	mg/kg	25	20	19	31
Selenium	DETSC 2301#	0.5	mg/kg	< 0.5	< 0.5	1.0	< 0.5
Zinc	DETSC 2301#	1	mg/kg	80	93	78	65
Inorganics							
pH	DETSC 2008#		pH	6.3	7.4	7.5	8.1
Cyanide, Free	DETSC 2130#	0.1	mg/kg	0.1	0.2	0.1	< 0.1
Organic matter	DETSC 2002#	0.1	%	4.1	7.4	6.3	2.2
Sulphate Aqueous Extract as SO4 (2:1)	DETSC 2076#	10	mg/l	840	56	68	500
Petroleum Hydrocarbons							
Aliphatic C5-C6: HS_1D_AL	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C6-C8: HS_1D_AL	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C8-C10: HS_1D_AL	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >EC10-EC12: EH_2D_AL	DETSC 3521#	1.5	mg/kg	< 1.50	< 1.50	< 1.50	< 1.50
Aliphatic >EC12-EC16: EH_2D_AL	DETSC 3521#	1.2	mg/kg	< 1.20	< 1.20	< 1.20	< 1.20
Aliphatic >EC16-EC21: EH_2D_AL	DETSC 3521#	1.5	mg/kg	< 1.50	2.03	< 1.50	< 1.50
Aliphatic >EC21-EC35: EH_2D_AL	DETSC 3521#	3.4	mg/kg	< 3.40	< 3.40	< 3.40	< 3.40
Aliphatic >EC35-EC40: EH_2D_AL	DETSC 3521*	3.4	mg/kg	< 3.40	< 3.40	< 3.40	< 3.40
Aliphatic C5-C40: EH_2D+HS_1D_AL	DETSC 3521*	10	mg/kg	< 10.00	< 10.00	< 10.00	< 10.00
Aromatic C5-C7: HS_1D_AR	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C7-C8: HS_1D_AR	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C8-C10: HS_1D_AR	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >EC10-EC12: EH_2D_AR	DETSC 3521#	0.9	mg/kg	< 0.90	< 0.90	< 0.90	< 0.90
Aromatic >EC12-EC16: EH_2D_AR	DETSC 3521#	0.5	mg/kg	< 0.50	0.94	3.14	< 0.50
Aromatic >EC16-EC21: EH_2D_AR	DETSC 3521#	0.6	mg/kg	0.95	37.77	86.73	1.45
Aromatic >EC21-EC35: EH_2D_AR	DETSC 3521#	1.4	mg/kg	< 1.40	151.0	175.9	< 1.40
Aromatic >EC35-EC40: EH_2D_AR	DETSC 3521*	1.4	mg/kg	< 1.40	7.03	9.24	< 1.40
Aromatic C5-C40: EH_2D+HS_1D_AR	DETSC 3521*	10	mg/kg	< 10.00	196.7	275.0	< 10.00
TPH Ali/Aro C5-C40: EH_2D+HS_1D_Total	DETSC 3521*	10	mg/kg	< 10.00	196.7	275.0	< 10.00
Benzene	DETSC 3321#	0.01	mg/kg	< 0.01			
Ethylbenzene	DETSC 3321#	0.01	mg/kg	< 0.01			
Toluene	DETSC 3321#	0.01	mg/kg	< 0.01			

Summary of Chemical Analysis
Soil Samples

Our Ref 25-11167-1
Client Ref ~ S250431
Contract Title ~ New Mills, Marsden

				Deviating	Deviating	Deviating	Deviating
			Lab No	2511019	2511020	2511021	2511022
			Sample ID ~	BH11	BH12	BH13	BH14
			Depth ~	0.80-1.00	0.20-0.40	0.20-0.40	0.40-0.60
			Other ID ~				
			Sample Type ~	ES	ES	ES	ES
			Sampling Date ~	13/05/2025	14/05/2025	14/05/2025	14/05/2025
			Sampling Time ~	n/s	n/s	n/s	n/s
Test	**Method**	**LOD**	**Units**				
Xylene	DETSC 3321#	0.01	mg/kg	< 0.01			
MTBE	DETSC 3321	0.01	mg/kg	< 0.01			
PAHs							
Naphthalene	DETSC 3301	0.1	mg/kg	< 0.1	0.2	0.6	< 0.1
Acenaphthylene	DETSC 3301	0.1	mg/kg	< 0.1	0.8	3.2	< 0.1
Acenaphthene	DETSC 3301	0.1	mg/kg	< 0.1	0.3	1.3	< 0.1
Fluorene	DETSC 3301	0.1	mg/kg	< 0.1	0.2	3.0	< 0.1
Phenanthrene	DETSC 3301	0.1	mg/kg	< 0.1	2.4	35	0.1
Anthracene	DETSC 3301	0.1	mg/kg	< 0.1	1.0	9.9	< 0.1
Fluoranthene	DETSC 3301	0.1	mg/kg	< 0.1	11	64	0.3
Pyrene	DETSC 3301	0.1	mg/kg	< 0.1	11	57	0.2
Benzo(a)anthracene	DETSC 3301	0.1	mg/kg	< 0.1	6.8	31	0.2
Chrysene	DETSC 3301	0.1	mg/kg	< 0.1	7.1	29	0.2
Benzo(b)fluoranthene	DETSC 3301	0.1	mg/kg	< 0.1	6.2	22	0.2
Benzo(k)fluoranthene	DETSC 3301	0.1	mg/kg	< 0.1	3.8	14	0.1
Benzo(a)pyrene	DETSC 3301	0.1	mg/kg	< 0.1	8.7	31	0.2
Indeno(1,2,3-c,d)pyrene	DETSC 3301	0.1	mg/kg	< 0.1	7.8	22	< 0.1
Dibenzo(a,h)anthracene	DETSC 3301	0.1	mg/kg	< 0.1	1.6	2.5	< 0.1
Benzo(g,h,i)perylene	DETSC 3301	0.1	mg/kg	< 0.1	9.2	16	< 0.1
PAH 16 Total	DETSC 3301	1.6	mg/kg	< 1.6	82	350	< 1.6
PCBs							
PCB 77	DETSC 3401*	0.01	mg/kg				
PCB 81	DETSC 3401*	0.01	mg/kg				
PCB 105	DETSC 3401*	0.01	mg/kg				
PCB 114	DETSC 3401*	0.01	mg/kg				
PCB 118	DETSC 3401#	0.01	mg/kg				
PCB 123	DETSC 3401*	0.01	mg/kg				
PCB 126	DETSC 3401*	0.01	mg/kg				
PCB 156	DETSC 3401*	0.01	mg/kg				
PCB 157	DETSC 3401*	0.01	mg/kg				
PCB 167	DETSC 3401*	0.01	mg/kg				
PCB 169	DETSC 3401*	0.01	mg/kg				
PCB 189	DETSC 3401*	0.01	mg/kg				
Phenols							
Phenol - Monohydric	DETSC 2130#	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3

Summary of Chemical Analysis
Soil VOC/SVOC Samples

Our Ref 25-11167-1
Client Ref ~ S250431
Contract Title ~ New Mills, Marsden

	Deviating	Deviating	Deviating
Lab No	2511013	2511015	2511019
Sample ID ~	BH01	BH05	BH11
Depth ~	1.40-1.60	0.25-0.60	0.80-1.00
Other ID ~			
Sample Type ~	ES	ES	ES
Sampling Date ~	12/05/2025	12/05/2025	13/05/2025
Sampling Time ~	n/s	n/s	n/s

Test	Method	LOD	Units			
VOCs						
Vinyl Chloride	DETSC 3431*	0.01	mg/kg	< 0.01	< 0.01	< 0.01
1,1 Dichloroethylene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
Trans-1,2-dichloroethylene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
1,1-dichloroethane	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
Cis-1,2-dichloroethylene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
2,2-dichloropropane	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
Bromochloromethane	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
Chloroform	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
1,1,1-trichloroethane	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
1,1-dichloropropene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
Carbon tetrachloride	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
Benzene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
1,2-dichloroethane	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
Trichloroethylene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
1,2-dichloropropane	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
Dibromomethane	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
Bromodichloromethane	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
cis-1,3-dichloropropene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
Toluene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
trans-1,3-dichloropropene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
1,1,2-trichloroethane	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
Tetrachloroethylene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
1,3-dichloropropane	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
Dibromochloromethane	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
1,2-dibromoethane	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
Chlorobenzene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
1,1,1,2-tetrachloroethane	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
Ethylbenzene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
m+p-Xylene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
o-Xylene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
Styrene	DETSC 3431*	0.01	mg/kg	< 0.01	< 0.01	< 0.01
Bromoform	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
Isopropylbenzene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
Bromobenzene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
1,2,3-trichloropropane	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
n-propylbenzene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
2-chlorotoluene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
1,3,5-trimethylbenzene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
4-chlorotoluene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
Tert-butylbenzene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
1,2,4-trimethylbenzene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01

Summary of Chemical Analysis
Soil VOC/SVOC Samples

Our Ref 25-11167-1
Client Ref ~ S250431
Contract Title ~ New Mills, Marsden

				Deviating	Deviating	Deviating
			Lab No	2511013	2511015	2511019
			Sample ID ~	BH01	BH05	BH11
			Depth ~	1.40-1.60	0.25-0.60	0.80-1.00
			Other ID ~			
			Sample Type ~	ES	ES	ES
			Sampling Date ~	12/05/2025	12/05/2025	13/05/2025
			Sampling Time ~	n/s	n/s	n/s
Test	**Method**	**LOD**	**Units**			
sec-butylbenzene	DETSC 3431*	0.01	mg/kg	< 0.01	< 0.01	< 0.01
p-isopropyltoluene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
1,3-dichlorobenzene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
1,4-dichlorobenzene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
n-butylbenzene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
1,2-dichlorobenzene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
1,2-dibromo-3-chloropropane	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
1,2,4-trichlorobenzene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
Hexachlorobutadiene	DETSC 3431*	0.01	mg/kg	< 0.01	< 0.01	< 0.01
1,2,3-trichlorobenzene	DETSC 3431	0.01	mg/kg	< 0.01	< 0.01	< 0.01
MTBE	DETSC 3431*	0.01	mg/kg	< 0.01	< 0.01	< 0.01
SVOCs						
Phenol	DETSC 3433	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Aniline	DETSC 3433*	0.1	mg/kg	< 0.1	< 0.1	< 0.1
2-Chlorophenol	DETSC 3433	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benzyl Alcohol	DETSC 3433	0.1	mg/kg	< 0.1	< 0.1	< 0.1
2-Methylphenol	DETSC 3433	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Bis(2-chloroisopropyl)ether	DETSC 3433	0.1	mg/kg	< 0.1	< 0.1	< 0.1
3&4-Methylphenol	DETSC 3433	0.1	mg/kg	< 0.1	< 0.1	< 0.1
2,4-Dimethylphenol	DETSC 3433	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Bis-(dichloroethoxy)methane	DETSC 3433	0.1	mg/kg	< 0.1	< 0.1	< 0.1
2,4-Dichlorophenol	DETSC 3433	0.1	mg/kg	< 0.1	< 0.1	< 0.1
1,2,4-Trichlorobenzene	DETSC 3433	0.1	mg/kg	< 0.1	< 0.1	< 0.1
4-Chloro-3-methylphenol	DETSC 3433	0.1	mg/kg	< 0.1	< 0.1	< 0.1
2-Methylnaphthalene	DETSC 3433	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Hexachlorocyclopentadiene	DETSC 3433*	0.1	mg/kg	< 0.1	< 0.1	< 0.1
2,4,6-Trichlorophenol	DETSC 3433	0.1	mg/kg	< 0.1	< 0.1	< 0.1
2,4,5-Trichlorophenol	DETSC 3433*	0.1	mg/kg	< 0.1	< 0.1	< 0.1
2-Chloronaphthalene	DETSC 3433	0.1	mg/kg	< 0.1	< 0.1	< 0.1
2-Nitroaniline	DETSC 3433*	0.1	mg/kg	< 0.1	< 0.1	< 0.1
2,4-Dinitrotoluene	DETSC 3433*	0.1	mg/kg	< 0.1	< 0.1	< 0.1
3-Nitroaniline	DETSC 3433*	0.1	mg/kg	< 0.1	< 0.1	< 0.1
4-Nitrophenol	DETSC 3433*	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Dibenzofuran	DETSC 3433	0.1	mg/kg	< 0.1	< 0.1	< 0.1
2,6-Dinitrotoluene	DETSC 3433	0.1	mg/kg	< 0.1	< 0.1	< 0.1
2,3,4,6-Tetrachlorophenol	DETSC 3433*	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Diethylphthalate	DETSC 3433	0.1	mg/kg	< 0.1	< 0.1	< 0.1
4-Chlorophenylphenylether	DETSC 3433*	0.1	mg/kg	< 0.1	< 0.1	< 0.1
4-Nitroaniline	DETSC 3433*	0.1	mg/kg	< 0.1	< 0.1	< 0.1
2-Methyl-4,6-Dinitrophenol	DETSC 3433*	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Diphenylamine	DETSC 3433	0.1	mg/kg	< 0.1	< 0.1	< 0.1
4-Bromophenylphenylether	DETSC 3433	0.1	mg/kg	< 0.1	< 0.1	< 0.1

Summary of Chemical Analysis
Soil VOC/SVOC Samples

Our Ref 25-11167-1
Client Ref ~ S250431
Contract Title ~ New Mills, Marsden

				Deviating	Deviating	Deviating
			Lab No	2511013	2511015	2511019
			Sample ID ~	BH01	BH05	BH11
			Depth ~	1.40-1.60	0.25-0.60	0.80-1.00
			Other ID ~			
			Sample Type ~	ES	ES	ES
			Sampling Date ~	12/05/2025	12/05/2025	13/05/2025
			Sampling Time ~	n/s	n/s	n/s
Test	**Method**	**LOD**	**Units**			
Hexachlorobenzene	DETSC 3433	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Pentachlorophenol	DETSC 3433*	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Di-n-butylphthalate	DETSC 3433	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Butylbenzylphthalate	DETSC 3433*	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Bis(2-ethylhexyl)phthalate	DETSC 3433	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Di-n-octylphthalate	DETSC 3433*	0.1	mg/kg	< 0.1	< 0.1	< 0.1
1,4-Dinitrobenzene	DETSC 3433*	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Dimethylphthalate	DETSC 3433	0.1	mg/kg	< 0.1	< 0.1	< 0.1
1,3-Dinitrobenzene	DETSC 3433*	0.1	mg/kg	< 0.1	< 0.1	< 0.1
1,2-Dinitrobenzene	DETSC 3433*	0.1	mg/kg	< 0.1	< 0.1	< 0.1
2,3,5,6-Tetrachlorophenol	DETSC 3433*	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Azobenzene	DETSC 3433	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Carbazole	DETSC 3433*	0.1	mg/kg	< 0.1	< 0.1	< 0.1

Summary of Chemical Analysis
Water Samples

Our Ref 25-11167-1
Client Ref ~ S250431
Contract Title ~ New Mills, Marsden

		Deviating	Deviating
	Lab No	2511023	2511024
	Sample ID ~	West	East
	Depth ~		
	Other ID ~		
	Sample Type ~	W	W
	Sampling Date ~	14/05/2025	14/05/2025
	Sampling Time ~	n/s	n/s
Test	**Method**	**LOD**	**Units**		
Metals					
Arsenic, Dissolved	DETSC 2306	0.16	ug/l	0.66	0.64
Boron, Dissolved	DETSC 2306*	12	ug/l	41.6	27.5
Cadmium, Dissolved	DETSC 2306	0.03	ug/l	0.05	< 0.03
Chromium, Dissolved	DETSC 2306	0.25	ug/l	4.3	4.4
Chromium, Hexavalent	DETSC 2203	7	ug/l	< 7.0	< 7.0
Copper, Dissolved	DETSC 2306	0.4	ug/l	4.0	3.8
Lead, Dissolved	DETSC 2306	0.09	ug/l	2.5	0.82
Mercury, Dissolved	DETSC 2306	0.01	ug/l	< 0.01	< 0.01
Nickel, Dissolved	DETSC 2306	0.5	ug/l	2.0	2.1
Selenium, Dissolved	DETSC 2306	0.25	ug/l	< 0.25	< 0.25
Zinc, Dissolved	DETSC 2306	1.3	ug/l	130	130
Inorganics					
pH	DETSC 2008		pH	7.5	7.3
Cyanide, Free	DETSC 2130	20	ug/l	< 20	< 20
Phenol - Monohydric Low Level	DETSC 2131	1.5	ug/l	< 1.5	< 1.5
Sulphate as SO4	DETSC 2055	0.1	mg/l	10	11
Petroleum Hydrocarbons					
Aliphatic C5-C6: HS_1D_AL	DETSC 3322	0.1	ug/l	< 0.1	< 0.1
Aliphatic C6-C8: HS_1D_AL	DETSC 3322	0.1	ug/l	< 0.1	< 0.1
Aliphatic C8-C10: HS_1D_AL	DETSC 3322	0.1	ug/l	< 0.1	< 0.1
Aliphatic C10-C12: EH_CU_1D_AL	DETSC 3072*	1	ug/l	< 1.0	< 1.0
Aliphatic C12-C16: EH_CU_1D_AL	DETSC 3072*	1	ug/l	< 1.0	< 1.0
Aliphatic C16-C21: EH_CU_1D_AL	DETSC 3072*	1	ug/l	< 1.0	< 1.0
Aliphatic C21-C35: EH_CU_1D_AL	DETSC 3072*	1	ug/l	< 1.0	< 1.0
Aliphatic C35-C40: EH_CU_1D_AL	DETSC 3072*	1	ug/l	< 1.0	< 1.0
Aliphatic C5-C40: EH_CU+HS_1D_AL	DETSC 3072*	10	ug/l	< 10	< 10
Aromatic C5-C7: HS_1D_AR	DETSC 3322	0.1	ug/l	< 0.1	< 0.1
Aromatic C7-C8: HS_1D_AR	DETSC 3322	0.1	ug/l	< 0.1	< 0.1
Aromatic C8-C10: HS_1D_AR	DETSC 3322	0.1	ug/l	< 0.1	< 0.1
Aromatic C10-C12: EH_CU_1D_AR	DETSC 3072*	1	ug/l	< 1.0	< 1.0
Aromatic C12-C16: EH_CU_1D_AR	DETSC 3072*	1	ug/l	< 1.0	< 1.0
Aromatic C16-C21: EH_CU_1D_AR	DETSC 3072*	1	ug/l	< 1.0	< 1.0
Aromatic C21-C35: EH_CU_1D_AR	DETSC 3072*	1	ug/l	< 1.0	< 1.0
Aromatic C35-C40: EH_CU_1D_AR	DETSC 3072*	1	ug/l	< 1.0	< 1.0
Aromatic C5-C40: EH_CU+HS_1D_AR	DETSC 3072*	10	ug/l	< 10	< 10
TPH Ali/Aro C5-C40: EH_CU+HS_1D_Total	DETSC 3072*	10	ug/l	< 10	< 10
PAHs					
Naphthalene	DETSC 3304	0.05	ug/l	< 0.05	< 0.05
Acenaphthylene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01
Acenaphthene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01
Fluorene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01

Summary of Chemical Analysis
Water Samples

Our Ref 25-11167-1
Client Ref ~ S250431
Contract Title ~ New Mills, Marsden

				Deviating	Deviating
			Lab No	2511023	2511024
			Sample ID ~	West	East
			Depth ~		
			Other ID ~		
			Sample Type ~	W	W
			Sampling Date ~	14/05/2025	14/05/2025
			Sampling Time ~	n/s	n/s
Test	**Method**	**LOD**	**Units**		
Phenanthrene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01
Anthracene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01
Fluoranthene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01
Pyrene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01
Benzo(a)anthracene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01
Chrysene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01
Benzo(b)fluoranthene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01
Benzo(k)fluoranthene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01
Benzo(a)pyrene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01
Indeno(1,2,3-c,d)pyrene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01
Dibenzo(a,h)anthracene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01
Benzo(g,h,i)perylene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01
PAH Total	DETSC 3304	0.2	ug/l	< 0.20	< 0.20

2511023, 2511024 - WATER UNKNOWN testing is not accredited

Summary of Chemical Analysis
Leachate Samples

Our Ref 25-11167-1
Client Ref ~ S250431
Contract Title ~ New Mills, Marsden

		Deviating	Deviating
	Lab No	2511029	2511030
	Sample ID ~	BH05	BH13
	Depth ~	0.25-0.60	0.20-0.40
	Other ID ~		
	Sample Type ~	ES	ES
	Sampling Date ~	12/05/2025	14/05/2025
	Sampling Time ~	n/s	n/s
Test	**Method**	**LOD**	**Units**		
Metals					
Arsenic, Dissolved	DETSC 2306	0.16	ug/l	0.17	1.0
Boron, Dissolved	DETSC 2306*	12	ug/l	< 12.0	< 12.0
Cadmium, Dissolved	DETSC 2306	0.03	ug/l	0.05	< 0.03
Chromium, Dissolved	DETSC 2306	0.25	ug/l	< 0.25	< 0.25
Chromium, Hexavalent	DETSC 2203	7	ug/l	< 7.0	< 7.0
Copper, Dissolved	DETSC 2306	0.4	ug/l	1.2	1.9
Lead, Dissolved	DETSC 2306	0.09	ug/l	1.9	2.0
Mercury, Dissolved	DETSC 2306	0.01	ug/l	< 0.01	< 0.01
Nickel, Dissolved	DETSC 2306	0.5	ug/l	0.8	< 0.5
Selenium, Dissolved	DETSC 2306	0.25	ug/l	< 0.25	< 0.25
Zinc, Dissolved	DETSC 2306	1.3	ug/l	9.1	3.1
Inorganics					
pH	DETSC 2008		pH	7.7	7.9
Cyanide, Free	DETSC 2130	20	ug/l	< 20	< 20
Phenol - Monohydric Low Level	DETSC 2131	1.5	ug/l	< 1.5	< 1.5
Sulphate as SO4	DETSC 2055	0.1	mg/l	17	1.1
Petroleum Hydrocarbons					
Aliphatic C5-C6: HS_1D_AL	DETSC 3322	0.1	ug/l	< 0.1	< 0.1
Aliphatic C6-C8: HS_1D_AL	DETSC 3322	0.1	ug/l	< 0.1	< 0.1
Aliphatic C8-C10: HS_1D_AL	DETSC 3322	0.1	ug/l	< 0.1	< 0.1
Aliphatic C10-C12: EH_CU_1D_AL	DETSC 3072*	1	ug/l	< 1.0	< 1.0
Aliphatic C12-C16: EH_CU_1D_AL	DETSC 3072*	1	ug/l	< 1.0	< 1.0
Aliphatic C16-C21: EH_CU_1D_AL	DETSC 3072*	1	ug/l	< 1.0	< 1.0
Aliphatic C21-C35: EH_CU_1D_AL	DETSC 3072*	1	ug/l	< 1.0	< 1.0
Aliphatic C35-C40: EH_CU_1D_AL	DETSC 3072*	1	ug/l	< 1.0	< 1.0
Aliphatic C5-C40: EH_CU+HS_1D_AL	DETSC 3072*	10	ug/l	< 10	< 10
Aromatic C5-C7: HS_1D_AR	DETSC 3322	0.1	ug/l	< 0.1	< 0.1
Aromatic C7-C8: HS_1D_AR	DETSC 3322	0.1	ug/l	< 0.1	< 0.1
Aromatic C8-C10: HS_1D_AR	DETSC 3322	0.1	ug/l	< 0.1	< 0.1
Aromatic C10-C12: EH_CU_1D_AR	DETSC 3072*	1	ug/l	< 1.0	< 1.0
Aromatic C12-C16: EH_CU_1D_AR	DETSC 3072*	1	ug/l	< 1.0	< 1.0
Aromatic C16-C21: EH_CU_1D_AR	DETSC 3072*	1	ug/l	< 1.0	< 1.0
Aromatic C21-C35: EH_CU_1D_AR	DETSC 3072*	1	ug/l	< 1.0	< 1.0
Aromatic C35-C40: EH_CU_1D_AR	DETSC 3072*	1	ug/l	< 1.0	< 1.0
Aromatic C5-C40: EH_CU+HS_1D_AR	DETSC 3072*	10	ug/l	< 10	< 10
TPH Ali/Aro C5-C40: EH_CU+HS_1D_Total	DETSC 3072*	10	ug/l	< 10	< 10
PAHs					
Naphthalene	DETSC 3304	0.05	ug/l	< 0.05	< 0.05
Acenaphthylene	DETSC 3304	0.01	ug/l	< 0.01	0.05
Acenaphthene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01
Fluorene	DETSC 3304	0.01	ug/l	< 0.01	< 0.01

Summary of Chemical Analysis
Leachate Samples

Our Ref 25-11167-1
Client Ref ~ S250431
Contract Title ~ New Mills, Marsden

				Deviating	Deviating
			Lab No	2511029	2511030
			Sample ID ~	BH05	BH13
			Depth ~	0.25-0.60	0.20-0.40
			Other ID ~		
			Sample Type ~	ES	ES
			Sampling Date ~	12/05/2025	14/05/2025
			Sampling Time ~	n/s	n/s
Test	**Method**	**LOD**	**Units**		
Phenanthrene	DETSC 3304	0.01	ug/l	0.01	0.07
Anthracene	DETSC 3304	0.01	ug/l	< 0.01	0.03
Fluoranthene	DETSC 3304	0.01	ug/l	< 0.01	0.46
Pyrene	DETSC 3304	0.01	ug/l	< 0.01	0.46
Benzo(a)anthracene	DETSC 3304	0.01	ug/l	< 0.01	0.29
Chrysene	DETSC 3304	0.01	ug/l	< 0.01	0.25
Benzo(b)fluoranthene	DETSC 3304	0.01	ug/l	< 0.01	0.58
Benzo(k)fluoranthene	DETSC 3304	0.01	ug/l	< 0.01	0.21
Benzo(a)pyrene	DETSC 3304	0.01	ug/l	< 0.01	0.41
Indeno(1,2,3-c,d)pyrene	DETSC 3304	0.01	ug/l	< 0.01	0.33
Dibenzo(a,h)anthracene	DETSC 3304	0.01	ug/l	< 0.01	0.08
Benzo(g,h,i)perylene	DETSC 3304	0.01	ug/l	< 0.01	0.38
PAH Total	DETSC 3304	0.2	ug/l	< 0.20	3.6

Summary of Asbestos Analysis
Soil Samples

Our Ref 25-11167-1
Client Ref ~ S250431
Contract Title ~ New Mills, Marsden

Lab No	Sample ID	Material Type	Result	Comment*	Analyst
2511013	BH01 1.40-1.60	SOIL	NAD	none	Jason Barsby
2511014	BH03 0.40-0.60	SOIL	NAD	none	Jason Barsby
2511015	BH05 0.25-0.60	SOIL	NAD	none	Jason Barsby
2511016	BH06 0.40-0.60	SOIL	NAD	none	Jason Barsby
2511017	BH07 1.40-1.60	SOIL	NAD	none	Jason Barsby
2511018	BH09 0.20-0.40	SOIL	Chrysotile	Chrysotile present as fibre bundles	Jason Barsby
2511019	BH11 0.80-1.00	SOIL	NAD	none	Jason Barsby
2511020	BH12 0.20-0.40	SOIL	NAD	none	Jason Barsby
2511021	BH13 0.20-0.40	SOIL	NAD	none	Jason Barsby
2511022	BH14 0.40-0.60	SOIL	NAD	none	Jason Barsby

Crocidolite = Blue Asbestos, Amosite = Brown Asbestos, Chrysotile = White Asbestos. Anthophyllite, Actinolite and Tremolite are other forms of Asbestos. Samples are analysed by DETSC 1101 using polarised light microscopy in accordance with HSG248 and documented in-house methods. NAD = No Asbestos Detected. Where a sample is NAD, the result is based on analysis of at least 2 sub-samples and should be taken to mean 'no asbestos detected in sample'. Key: * -not included in laboratory scope of accreditation.

WASTE ACCEPTANCE CRITERIA TESTING
v20.25.02.03

Our Ref 25-11167
Client Ref S250431
Contract Title New Mills, Marsden
Sample Id BH01 1.40-1.60

Sample Numbers 2511013 2511025
Date Analysed 31/05/2025

Test Results On Waste

Determinand and Method Reference	Units	Result	WAC Limit Values: Inert Waste	SNRHW	Hazardous Waste
DETSC 2084# Total Organic Carbon	%	5.5	3	5	6
DETSC 2003# Loss On Ignition	%	22.0	n/a	n/a	10
DETSC 3321# BTEX	mg/kg	< 0.04	6	n/a	n/a
DETSC 3401# PCBs (7 congeners)	mg/kg	< 0.01	1	n/a	n/a
DETSC 3521* Mineral Oil >C10-C40 + Clean Up	mg/kg	< 10	500	n/a	n/a
DETSC 3301 PAHs	mg/kg	< 1.6	100	n/a	n/a
DETSC 2008# pH	pH Units	6.4	n/a	>6	n/a
DETSC 2073* Acid Neutralisation Capacity (pH4)	mol/kg	< 1.0	n/a	TBE	TBE
DETSC 2073* Acid Neutralisation Capacity (pH7)	mol/kg	< 1.0	n/a	TBE	TBE

Test Results On Leachate

Determinand and Method Reference	Conc in Eluate ug/l 10:1	Amount Leached mg/kg LS10	WAC Limit Values (Limit values for LS10 Leachate): Inert Waste	SNRHW	Hazardous Waste
DETSC 2306 Arsenic as As	1.3	0.01	0.5	2	25
DETSC 2306 Barium as Ba	60	0.6	20	100	300
DETSC 2306 Cadmium as Cd	1.6	< 0.02	0.04	1	5
DETSC 2306 Chromium as Cr	1.4	< 0.1	0.5	10	70
DETSC 2306 Copper as Cu	3.9	0.04	2	50	100
DETSC 2306 Mercury as Hg	< 0.010	< 0.002	0.01	0.2	2
DETSC 2306 Molybdenum as Mo	2.7	< 0.1	0.5	10	30
DETSC 2306 Nickel as Ni	11	0.1	0.4	10	40
DETSC 2306 Lead as Pb	0.81	< 0.05	0.5	10	50
DETSC 2306 Antimony as Sb	0.89	< 0.05	0.06	0.7	5
DETSC 2306 Selenium as Se	0.84	< 0.03	0.1	0.5	7
DETSC 2306 Zinc as Zn	51	0.51	4	50	200
DETSC 2055 Chloride as Cl	5300	< 100	800	15,000	25,000
DETSC 2055* Fluoride as F	< 100	< 0.1	10	150	500
DETSC 2055 Sulphate as SO4	5100	< 100	1000	20,000	50,000
DETSC 2009* Total Dissolved Solids	970000	9700	4000	60,000	100,000
DETSC 2130 Phenol Index	< 100	< 1	1	n/a	n/a
DETSC 2085 Dissolved Organic Carbon	6500	65	500	800	1000

TBE - To Be Evaluated
SNRHW - Stable Non-Reactive Hazardous Waste

Additional Information

DETSC 2008 pH	6.8
DETSC 2009 Conductivity uS/cm	1380.0
* Temperature*	18.0

Mass of Sample Kg	0.136
Mass of dry Sample Kg	0.090

Stage 1

Volume of Leachant L2	0.854
Volume of Eluate VE1	0.8

Disclaimer: *The WAC limit values are provided for guidance only. Normec DETS does not accept responsibility for errors or omissions. Values are correct at time of issue.*

V.2.07

WASTE ACCEPTANCE CRITERIA TESTING
v20.25.02.03

Our Ref 25-11167
Client Ref S250431
Contract Title New Mills, Marsden
Sample Id BH03 0.40-0.60

Sample Numbers 2511014 2511026
Date Analysed 31/05/2025

Test Results On Waste

Determinand and Method Reference	Units	Result	WAC Limit Values: Inert Waste	SNRHW	Hazardous Waste
DETSC 2084# Total Organic Carbon	%	2.0	3	5	6
DETSC 2003# Loss On Ignition	%	5.2	n/a	n/a	10
DETSC 3321# BTEX	mg/kg	< 0.04	6	n/a	n/a
DETSC 3401# PCBs (7 congeners)	mg/kg	< 0.01	1	n/a	n/a
DETSC 3521* Mineral Oil >C10-C40 + Clean Up	mg/kg	< 10	500	n/a	n/a
DETSC 3301 PAHs	mg/kg	< 1.6	100	n/a	n/a
DETSC 2008# pH	pH Units	5.2	n/a	>6	n/a
DETSC 2073* Acid Neutralisation Capacity (pH4)	mol/kg	< 1.0	n/a	TBE	TBE
DETSC 2073* Acid Neutralisation Capacity (pH7)	mol/kg	< 1.0	n/a	TBE	TBE

Test Results On Leachate

Determinand and Method Reference	Conc in Eluate ug/l 10:1	Amount Leached mg/kg LS10	WAC Limit Values (Limit values for LS10 Leachate): Inert Waste	SNRHW	Hazardous Waste
DETSC 2306 Arsenic as As	0.38	< 0.01	0.5	2	25
DETSC 2306 Barium as Ba	64	0.6	20	100	300
DETSC 2306 Cadmium as Cd	0.72	< 0.02	0.04	1	5
DETSC 2306 Chromium as Cr	1	< 0.1	0.5	10	70
DETSC 2306 Copper as Cu	2	0.02	2	50	100
DETSC 2306 Mercury as Hg	< 0.010	< 0.002	0.01	0.2	2
DETSC 2306 Molybdenum as Mo	< 1.1	< 0.1	0.5	10	30
DETSC 2306 Nickel as Ni	12	0.1	0.4	10	40
DETSC 2306 Lead as Pb	0.86	< 0.05	0.5	10	50
DETSC 2306 Antimony as Sb	< 0.17	< 0.05	0.06	0.7	5
DETSC 2306 Selenium as Se	0.32	< 0.03	0.1	0.5	7
DETSC 2306 Zinc as Zn	78	0.78	4	50	200
DETSC 2055 Chloride as Cl	2000	< 100	800	15,000	25,000
DETSC 2055* Fluoride as F	< 100	< 0.1	10	150	500
DETSC 2055 Sulphate as SO4	37000	370	1000	20,000	50,000
DETSC 2009* Total Dissolved Solids	180000	1800	4000	60,000	100,000
DETSC 2130 Phenol Index	< 100	< 1	1	n/a	n/a
DETSC 2085 Dissolved Organic Carbon	5300	53	500	800	1000

TBE - To Be Evaluated
SNRHW - Stable Non-Reactive Hazardous Waste

Additional Information

DETSC 2008 pH	6.6
DETSC 2009 Conductivity uS/cm	262.0
* Temperature*	18.0

Mass of Sample Kg	0.113
Mass of dry Sample Kg	0.090

Stage 1

Volume of Leachant L2	0.878
Volume of Eluate VE1	0.8

Disclaimer: *The WAC limit values are provided for guidance only. Normec DETS does not accept responsibility for errors or omissions. Values are correct at time of issue.*

V.2.07

WASTE ACCEPTANCE CRITERIA TESTING
v20.25.02.03

Our Ref 25-11167
Client Ref S250431
Contract Title New Mills, Marsden
Sample Id BH06 0.40-0.60

Sample Numbers 2511016 2511027
Date Analysed 31/05/2025

Test Results On Waste

Determinand and Method Reference	Units	Result	WAC Limit Values: Inert Waste	SNRHW	Hazardous Waste
DETSC 2084# Total Organic Carbon	%	3.2	3	5	6
DETSC 2003# Loss On Ignition	%	2.2	n/a	n/a	10
DETSC 3321# BTEX	mg/kg	< 0.04	6	n/a	n/a
DETSC 3401# PCBs (7 congeners)	mg/kg	< 0.01	1	n/a	n/a
DETSC 3521* Mineral Oil >C10-C40 + Clean Up	mg/kg	< 10	500	n/a	n/a
DETSC 3301 PAHs	mg/kg	< 1.6	100	n/a	n/a
DETSC 2008# pH	pH Units	7.8	n/a	>6	n/a
DETSC 2073* Acid Neutralisation Capacity (pH4)	mol/kg	< 1.0	n/a	TBE	TBE
DETSC 2073* Acid Neutralisation Capacity (pH7)	mol/kg	< 1.0	n/a	TBE	TBE

Test Results On Leachate

Determinand and Method Reference	Conc in Eluate ug/l 10:1	Amount Leached mg/kg LS10	WAC Limit Values (Limit values for LS10 Leachate): Inert Waste	SNRHW	Hazardous Waste
DETSC 2306 Arsenic as As	3.4	0.03	0.5	2	25
DETSC 2306 Barium as Ba	65	0.7	20	100	300
DETSC 2306 Cadmium as Cd	0.34	< 0.02	0.04	1	5
DETSC 2306 Chromium as Cr	12	0.1	0.5	10	70
DETSC 2306 Copper as Cu	13	0.13	2	50	100
DETSC 2306 Mercury as Hg	< 0.010	< 0.002	0.01	0.2	2
DETSC 2306 Molybdenum as Mo	3.5	< 0.1	0.5	10	30
DETSC 2306 Nickel as Ni	6.7	< 0.1	0.4	10	40
DETSC 2306 Lead as Pb	20	0.2	0.5	10	50
DETSC 2306 Antimony as Sb	0.6	< 0.05	0.06	0.7	5
DETSC 2306 Selenium as Se	0.95	< 0.03	0.1	0.5	7
DETSC 2306 Zinc as Zn	56	0.56	4	50	200
DETSC 2055 Chloride as Cl	1700	< 100	800	15,000	25,000
DETSC 2055* Fluoride as F	310	3.1	10	150	500
DETSC 2055 Sulphate as SO4	17000	170	1000	20,000	50,000
DETSC 2009* Total Dissolved Solids	53000	530	4000	60,000	100,000
DETSC 2130 Phenol Index	< 100	< 1	1	n/a	n/a
DETSC 2085 Dissolved Organic Carbon	9200	92	500	800	1000

TBE - To Be Evaluated
SNRHW - Stable Non-Reactive Hazardous Waste

Additional Information

DETSC 2008 pH	6.6
DETSC 2009 Conductivity uS/cm	75.3
* Temperature*	18.0

Mass of Sample Kg	0.103
Mass of dry Sample Kg	0.090

Stage 1

Volume of Leachant L2	0.887
Volume of Eluate VE1	0.8

Disclaimer: *The WAC limit values are provided for guidance only. Normec DETS does not accept responsibility for errors or omissions. Values are correct at time of issue.*

V.2.07

WASTE ACCEPTANCE CRITERIA TESTING
v20.25.02.03

Our Ref 25-11167
Client Ref S250431
Contract Title New Mills, Marsden
Sample Id BH12 0.20-0.40

Sample Numbers 2511020 2511028
Date Analysed 31/05/2025

Test Results On Waste

Determinand and Method Reference	Units	Result	WAC Limit Values: Inert Waste	SNRHW	Hazardous Waste
DETSC 2084# Total Organic Carbon	%	7.8	3	5	6
DETSC 2003# Loss On Ignition	%	12.0	n/a	n/a	10
DETSC 3321# BTEX	mg/kg	< 0.04	6	n/a	n/a
DETSC 3401# PCBs (7 congeners)	mg/kg	< 0.01	1	n/a	n/a
DETSC 3521* Mineral Oil >C10-C40 + Clean Up	mg/kg	200.0	500	n/a	n/a
DETSC 3301 PAHs	mg/kg	82.0	100	n/a	n/a
DETSC 2008# pH	pH Units	7.4	n/a	>6	n/a
DETSC 2073* Acid Neutralisation Capacity (pH4)	mol/kg	< 1.0	n/a	TBE	TBE
DETSC 2073* Acid Neutralisation Capacity (pH7)	mol/kg	< 1.0	n/a	TBE	TBE

Test Results On Leachate

Determinand and Method Reference	Conc in Eluate ug/l 10:1	Amount Leached mg/kg LS10	WAC Limit Values (Limit values for LS10 Leachate): Inert Waste	SNRHW	Hazardous Waste
DETSC 2306 Arsenic as As	7.1	0.07	0.5	2	25
DETSC 2306 Barium as Ba	56	0.6	20	100	300
DETSC 2306 Cadmium as Cd	0.075	< 0.02	0.04	1	5
DETSC 2306 Chromium as Cr	2.4	< 0.1	0.5	10	70
DETSC 2306 Copper as Cu	24	0.24	2	50	100
DETSC 2306 Mercury as Hg	0.03	< 0.002	0.01	0.2	2
DETSC 2306 Molybdenum as Mo	1.6	< 0.1	0.5	10	30
DETSC 2306 Nickel as Ni	2.4	< 0.1	0.4	10	40
DETSC 2306 Lead as Pb	22	0.22	0.5	10	50
DETSC 2306 Antimony as Sb	1.7	< 0.05	0.06	0.7	5
DETSC 2306 Selenium as Se	1.2	< 0.03	0.1	0.5	7
DETSC 2306 Zinc as Zn	60	0.6	4	50	200
DETSC 2055 Chloride as Cl	1100	< 100	800	15,000	25,000
DETSC 2055* Fluoride as F	160	1.6	10	150	500
DETSC 2055 Sulphate as SO4	3400	< 100	1000	20,000	50,000
DETSC 2009* Total Dissolved Solids	69000	690	4000	60,000	100,000
DETSC 2130 Phenol Index	< 100	< 1	1	n/a	n/a
DETSC 2085 Dissolved Organic Carbon	13000	130	500	800	1000

TBE - To Be Evaluated
SNRHW - Stable Non-Reactive Hazardous Waste

Additional Information

DETSC 2008 pH	6.9
DETSC 2009 Conductivity uS/cm	99.2
* Temperature*	18.0

Mass of Sample Kg	0.101
Mass of dry Sample Kg	0.090

Stage 1

Volume of Leachant L2	0.889
Volume of Eluate VE1	0.8

Disclaimer: *The WAC limit values are provided for guidance only. Normec DETS does not accept responsibility for errors or omissions. Values are correct at time of issue.*

V.2.07

Information in Support of the Analytical Results

Our Ref 25-11167-1
Client Ref ~ S250431
Contract ~ New Mills, Marsden

Containers Received & Deviating Samples

Lab No	Sample ID ~	Date Sampled ~	Containers Received	Holding time exceeded for tests	Incorrect container for tests
2511013	BH01 1.40-1.60 SOIL	12/05/25	GJ 250ml, PT 1L x2	pH + Conductivity (7 days), VOC (7 days)	BTEX / C5-C10, VOC
2511014	BH03 0.40-0.60 SOIL	12/05/25	GJ 250ml, PT 1L x2	pH + Conductivity (7 days)	BTEX / C5-C10
2511015	BH05 0.25-0.60 SOIL	12/05/25	GJ 250ml, PT 1L	pH + Conductivity (7 days), VOC (7 days)	BTEX / C5-C10, VOC
2511016	BH06 0.40-0.60 SOIL	13/05/25	GJ 250ml, PT 1L x2		BTEX / C5-C10
2511017	BH07 1.40-1.60 SOIL	13/05/25	GJ 250ml, PT 1L x2		BTEX / C5-C10
2511018	BH09 0.20-0.40 SOIL	13/05/25	GJ 250ml, PT 1L x2		BTEX / C5-C10
2511019	BH11 0.80-1.00 SOIL	13/05/25	GJ 250ml, PT 1L		BTEX / C5-C10, VOC
2511020	BH12 0.20-0.40 SOIL	14/05/25	GJ 250ml, PT 1L x2		BTEX / C5-C10
2511021	BH13 0.20-0.40 SOIL	14/05/25	GJ 250ml, PT 1L x2		BTEX / C5-C10
2511022	BH14 0.40-0.60 SOIL	14/05/25	GJ 250ml, PT 1L x2		BTEX / C5-C10
2511023	West WATER UNKNOWN	14/05/25	GB 1L	Aliphatics/Aromatics (4 days), Chromium, Hexavalent (4 days), Kone (4 days), pH/Cond (1 days), PAH MS (4 days)	
2511024	East WATER UNKNOWN	14/05/25	GB 1L	Aliphatics/Aromatics (4 days), Chromium, Hexavalent (4 days), Kone (4 days), pH/Cond (1 days), PAH MS (4 days)	
2511025	BH01 1.40-1.60 LEACHATE	12/05/25	GJ 250ml, PT 1L x2	pH/Cond (1 days)	
2511026	BH03 0.40-0.60 LEACHATE	12/05/25	GJ 250ml, PT 1L x2	pH/Cond (1 days)	
2511027	BH06 0.40-0.60 LEACHATE	13/05/25	GJ 250ml, PT 1L x2		
2511028	BH12 0.20-0.40 LEACHATE	14/05/25	GJ 250ml, PT 1L x2		
2511029	BH05 0.25-0.60 LEACHATE	12/05/25	GJ 250ml, PT 1L	Aliphatics/Aromatics (4 days), Chromium, Hexavalent (4 days), Kone (4 days), pH/Cond (1 days), PAH MS (4 days)	
2511030	BH13 0.20-0.40 LEACHATE	14/05/25	GJ 250ml, PT 1L x2		

Information in Support of the Analytical Results

Our Ref 25-11167-1
Client Ref ~ S250431
Contract ~ New Mills, Marsden

Lab No	Sample ID	Comments
2511025	BH01 1.40-1.60	Insufficient sample 1742g (<2kg) Sample received

Information in Support of the Analytical Results

Our Ref 25-11167-1
Client Ref ~ S250431
Contract ~ New Mills, Marsden

Lab No	Sample ID ~	Date Sampled ~	Containers Received	Holding time exceeded for tests	Incorrect container for tests
2511026	BH03 0.40-0.60		Insufficient sample 1511g (<2kg) Sample received		
2511028	BH12 0.20-0.40		Insufficient sample 1160g (<2kg) Sample received		

Key: G-Glass P-Plastic J-Jar T-Tub B-Bottle

Normec DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 250µm sieve
Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.
The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/-2°C.

Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-
Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

Information in Support of the Analytical Results

List of HWOL Acronyms and Operators

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

Det	Acronym
Aliphatic C5-C6	HS_1D_AL

Appendix A - Details of Analysis

Method	Parameter	Units	Limit of Detection	Sample Preparation	Sub-Contracted	UKAS	MCERTS
DETSC 2002	Organic matter	%	0.1	Air Dried	No	Yes	Yes
DETSC 2003	Loss on ignition	%	0.01	Air Dried	No	Yes	Yes
DETSC 2008	pH	pH Units	1	Air Dried	No	Yes	Yes
DETSC 2076	Sulphate Aqueous Extract as SO4	mg/l	10	Air Dried	No	Yes	Yes
DETSC 2084	Total Organic Carbon	%	0.5	Air Dried	No	Yes	Yes
DETSC 2119	Ammoniacal Nitrogen as N	mg/kg	0.5	Air Dried	No	Yes	Yes
DETSC 2130	Cyanide free	mg/kg	0.1	Air Dried	No	Yes	Yes
DETSC 2130	Cyanide total	mg/kg	0.1	Air Dried	No	Yes	Yes
DETSC 2130	Phenol - Monohydric	mg/kg	0.3	Air Dried	No	Yes	Yes
DETSC 2130	Thiocyanate	mg/kg	0.6	Air Dried	No	Yes	Yes
DETSC 2301	Arsenic	mg/kg	0.2	Air Dried	No	Yes	Yes
DETSC 2301	Barium	mg/kg	1.5	Air Dried	No	Yes	Yes
DETSC 2301	Beryllium	mg/kg	0.2	Air Dried	No	Yes	Yes
DETSC 2301	Cadmium Available	mg/kg	0.1	Air Dried	No	Yes	Yes
DETSC 2301	Cadmium	mg/kg	0.1	Air Dried	No	Yes	Yes
DETSC 2301	Cobalt	mg/kg	0.7	Air Dried	No	Yes	Yes
DETSC 2301	Chromium	mg/kg	0.15	Air Dried	No	Yes	Yes
DETSC 2301	Copper	mg/kg	0.2	Air Dried	No	Yes	Yes
DETSC 2301	Manganese	mg/kg	20	Air Dried	No	Yes	Yes
DETSC 2301	Molybdenum	mg/kg	0.4	Air Dried	No	Yes	Yes
DETSC 2301	Nickel	mg/kg	1	Air Dried	No	Yes	Yes
DETSC 2301	Lead	mg/kg	0.3	Air Dried	No	Yes	Yes
DETSC 2301	Selenium	mg/kg	0.5	Air Dried	No	Yes	Yes
DETSC 2301	Zinc	mg/kg	1	Air Dried	No	Yes	Yes
DETSC 2311	Boron (water soluble)	mg/kg	0.2	Air Dried	No	Yes	Yes
DETSC 2321	Total Sulphate as SO4	%	0.01	Air Dried	No	Yes	Yes
DETSC 2325	Mercury	mg/kg	0.05	Air Dried	No	Yes	Yes
DETSC 3049	Sulphur (free)	mg/kg	0.75	As Received	No	Yes	Yes
DETSC 3072	Ali/Aro C10-C35	mg/kg	10	As Received	No	Yes	Yes
DETSC 3072	Aliphatic C10-C12	mg/kg	1.5	As Received	No	Yes	Yes
DETSC 3072	Aliphatic C10-C35	mg/kg	10	As Received	No	Yes	Yes
DETSC 3072	Aliphatic C12-C16	mg/kg	1.2	As Received	No	Yes	Yes
DETSC 3072	Aliphatic C16-C21	mg/kg	1.5	As Received	No	Yes	Yes
DETSC 3072	Aliphatic C21-C35	mg/kg	3.4	As Received	No	Yes	Yes
DETSC 3072	Aromatic C10-C12	mg/kg	0.9	As Received	No	Yes	Yes
DETSC 3072	Aromatic C10-C35	mg/kg	10	As Received	No	Yes	Yes
DETSC 3072	Aromatic C12-C16	mg/kg	0.5	As Received	No	Yes	Yes
DETSC 3072	Aromatic C16-C21	mg/kg	0.6	As Received	No	Yes	Yes
DETSC 3072	Aromatic C21-C35	mg/kg	1.4	As Received	No	Yes	Yes
DETSC 3303	Acenaphthene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Acenaphthylene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(a)pyrene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(a)anthracene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(b)fluoranthene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(k)fluoranthene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(g,h,i)perylene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Dibenzo(a,h)anthracene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Fluoranthene	mg/kg	0.03	As Received	No	Yes	Yes

Appendix A - Details of Analysis

Method	Parameter	Units	Limit of Detection	Sample Preparation	Sub-Contracted	UKAS	MCERTS
DETSC 3303	Indeno(1,2,3-c,d)pyrene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Naphthalene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Phenanthrene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Pyrene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3311	C10-C24 Diesel Range Organics (DRO)	mg/kg	10	As Received	No	Yes	Yes
DETSC 3311	C24-C40 Lube Oil Range Organics (LORO)	mg/kg	10	As Received	No	Yes	Yes
DETSC 3311	EPH (C10-C40)	mg/kg	10	As Received	No	Yes	Yes
DETSC 3321	Benzene	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3321	Ethylbenzene	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3321	Toluene	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3321	Xylene	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3321	m+p Xylene	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3321	o Xylene	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 28 + PCB 31	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 52	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 101	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 118	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 153	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 138	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 180	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB Total	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3521	Ali/Aro C10-C35	mg/kg	10	As Received	No	Yes	Yes
DETSC 3521	Aliphatic C10-C12	mg/kg	1.5	As Received	No	Yes	Yes
DETSC 3521	Aliphatic C10-C35	mg/kg	10	As Received	No	Yes	Yes
DETSC 3521	Aliphatic C12-C16	mg/kg	1.2	As Received	No	Yes	Yes
DETSC 3521	Aliphatic C16-C21	mg/kg	1.5	As Received	No	Yes	Yes
DETSC 3521	Aliphatic C21-C35	mg/kg	3.4	As Received	No	Yes	Yes
DETSC 3521	Aromatic C10-C12	mg/kg	0.9	As Received	No	Yes	Yes
DETSC 3521	Aromatic C10-C35	mg/kg	10	As Received	No	Yes	Yes
DETSC 3521	Aromatic C12-C16	mg/kg	0.5	As Received	No	Yes	Yes
DETSC 3521	Aromatic C16-C21	mg/kg	0.6	As Received	No	Yes	Yes
DETSC 3521	Aromatic C21-C35	mg/kg	1.4	As Received	No	Yes	Yes

Method details are shown only for those determinands listed in Annex A of the MCERTS standard. Anything not included on this list falls outside the scope of MCERTS. No Recovery Factors are used in the determination of results. Results reported assume 100% recovery. Full method statements are available on request.

Appendix A - Details of Analysis

Method	Parameter	Units	Limit of Detection	Sample Preparation	Sub-Contracted	UKAS	MCERTS

Key:
~ Sample details are provided by the client and can affect the validity of the results
***** -not accredited.
# -MCERTS (accreditation only applies if report carries the MCERTS logo).
$ -subcontracted.
n/s -not supplied.
I/S -insufficient sample.
U/S -unsuitable sample.
t/f -to follow.
nd -not detected.

End of 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:

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

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

3SGQF-7PQ1C-KT8ED

Report is invalid if pages are removed.

Job name

25-11167_02

Description/Comments

Project

S250431

Site

New Mills, Marsden

Classified by

Name:
Leo Cassidy
Date:
11 Jun 2025 15:39 GMT
Telephone:
01642 607083

Company:
Solmek
12 – 16 Yarm Road
Stockton-on-Tees
TS18 3NA

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	Date
Hazardous Waste Classification	22 Apr 2021
Most recent 3 year Refresher	02 Apr 2024

Next 3 year Refresher due by Apr 2027

Purpose of classification

2 - Material Characterisation

Address of the waste

New Mills, Marsden **Post Code** HD7 6AZ

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

Redevelopment of disused buildings

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

Material generated during site strip/foundation excavations/utility excavations

Description of the waste

Sandy gravelly clay/gravel/sand

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH01/1.40-1.60/2025-05-12		Non Hazardous		3
2	BH03/0.40-0.60/2025-05-12		Non Hazardous		9
3	BH05/0.25-0.60/2025-05-12		Non Hazardous		11
4	BH06/0.40-0.60/2025-05-13		Non Hazardous		17
5	BH07/1.40-1.60/2025-05-13		Non Hazardous		19
6	BH09/0.20-0.40/2025-05-13		Hazardous	HP 8	21
7	BH11/0.80-1.00/2025-05-13		Non Hazardous		23
8	BH12/0.20-0.40/2025-05-14		Non Hazardous		29
9	BH13/0.20-0.40/2025-05-14		Non Hazardous		31
10	BH14/0.40-0.60/2025-05-14		Non Hazardous		33
11	West/2025-05-14		Non Hazardous		35
12	East/2025-05-14		Non Hazardous		36

Related documents

#	Name	Description
1	25-11167_02.hwol	DETS North .hwol file used to populate the Job

Report

Created by: Leo Cassidy

Created date: 11 Jun 2025 15:39 GMT

Classification of sample: BH01/1.40-1.60/2025-05-12

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

Sample details

Sample name:
BH01/1.40-1.60/2025-05-12
Moisture content:
34%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 34% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		chromium in Cr(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<**LOD**
2		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				0.2 mg/kg	1.884	0.249 mg/kg	0.0000249 %	✓	
3		monohydric phenols			P1186		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<**LOD**
4		pH			PH		6.4 pH		6.4 pH	6.4 pH		
5		acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
6		acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
7		anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
8		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
9		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
10		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
11		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
12		benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
13		chrysene	601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
14		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
15		fluoranthene		205-912-4	206-44-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
16		fluorene		201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
18		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
19		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
20		boron { boron tribromide }				1.1	mg/kg	23.173	16.824	mg/kg	0.00168 %	✓	
		005-003-00-0	233-657-9	10294-33-4									
21		vinyl chloride; chloroethylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
22		1,1-dichloroethylene; vinylidene chloride				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
23		1,1-dichloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-011-00-1	200-863-5	75-34-3									
24		2,2-dichloropropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			209-832-0	594-20-7									
25		bromochloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-826-3	74-97-5									
26		chloroform; trichloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
27		1,1,1-trichloroethane; methyl chloroform				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
28		1,1-dichloropropene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
29		carbon tetrachloride; tetrachloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
30		benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
31		1,2-dichloroethane; ethylene dichloride				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
32		trichloroethylene; trichloroethene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
33		1,2-dichloropropane; propylene dichloride				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
34		dibromomethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
35		bromodichloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-856-7	75-27-4									
36		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
37		toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
38		trans-1,3-dichloropropene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			431-460-4	10061-02-6									
39		1,1,2-trichloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
40		tetrachloroethylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
41		1,3-dichloropropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-531-3	142-28-9									
42		dibromochloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			204-704-0	124-48-1									
43		1,2-dibromoethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
44		chlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
45		1,1,1,2-tetrachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			211-135-1	630-20-6									

#		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									
46		ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
47		styrene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		601-026-00-0	202-851-5	100-42-5									
48		bromoform; tribromomethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-007-00-X	200-854-6	75-25-2									
49		cumene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		601-024-00-X	202-704-5	98-82-8									
50		bromobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-060-00-9	203-623-8	108-86-1									
51		1,2,3-trichloropropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-062-00-X	202-486-1	96-18-4									
52		propylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		601-097-00-8	203-132-9	103-65-1									
53		mesitylene; 1,3,5-trimethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		601-025-00-5	203-604-4	108-67-8									
54		tert-butylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			202-632-4	98-06-6									
55		1,2,4-trimethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		601-043-00-3	202-436-9	95-63-6									
56		sec-butylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			205-227-0	135-98-8									
57		1-isopropyl-4-methylbenzene; p-cymene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		601-094-00-1	202-796-7	99-87-6									
58		1,3-dichlorbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-067-00-7	208-792-1	541-73-1									
59		1,4-dichlorobenzene; p-dichlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
60		n-butylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			203-209-7	104-51-8									
61		1,2-dichlorobenzene; o-dichlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
62		1,2-dibromo-3-chloropropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
63		1,2,4-trichlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
64		hexachlorobutadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-765-5	87-68-3									
65		naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
66		1,2,3-trichlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-757-1	87-61-6									
67		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
68		polychlorobiphenyls; PCB				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
69		phenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
70		aniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		612-008-00-7	200-539-3	62-53-3									
71		benzyl alcohol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		603-057-00-5	202-859-9	100-51-6									
72		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									

#		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									
73		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
74		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			203-920-2	111-91-1									
75		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-011-00-7	204-429-6	120-83-2									
76		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-014-00-3	200-431-6	59-50-7									
77		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-078-3	91-57-6									
78		hexachlorocyclopentadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-078-00-7	201-029-3	77-47-4									
79		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-018-00-5	201-795-9	88-06-2									
80		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-017-00-X	202-467-8	95-95-4									
81		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-079-9	91-58-7									
82		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
83		4-nitrophenol; p-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		609-015-00-2	202-811-7	100-02-7									
84		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-071-3	132-64-9									
85		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		609-049-00-8	210-106-0	606-20-2									
86		2,3,4,6-tetrachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-013-00-8	200-402-8	58-90-2									
87		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-550-6	84-66-2									
88		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			230-281-7	7005-72-3									
89		DNOC (ISO); 4,6-dinitro-o-cresol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		609-020-00-X	208-601-1	534-52-1									
90		diphenylamine				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		612-026-00-5	204-539-4	122-39-4									
91		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-952-4	101-55-3									
92		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1									
93		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
94		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		607-318-00-4	201-557-4	84-74-2									
95		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		607-430-00-3	201-622-7	85-68-7									
96		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		607-317-00-9	204-211-0	117-81-7									
97		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-214-7	117-84-0									

#		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									
98		dimethyl phthalate											
			205-011-6	131-11-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
99		azobenzene											
		611-001-00-6	203-102-5	103-33-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
100		carbazole											
			201-696-0	86-74-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
101		TPH (C6 to C40) petroleum group											
				TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
102		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**
103		arsenic { arsenic }											
		033-001-00-X	231-148-6	7440-38-2		15	mg/kg		9.9	mg/kg	0.00099 %	✓	
104		cadmium { cadmium sulfate }											
		048-009-00-9	233-331-6	10124-36-4		1	mg/kg	1.855	1.224	mg/kg	0.000122 %	✓	
105		copper { copper(II) chloride dihydrate }											
			231-210-2	10125-13-0		52	mg/kg	2.683	92.072	mg/kg	0.00921 %	✓	
106		nickel { nickel dibromate }											
		028-053-00-5	238-596-1	14550-87-9		27	mg/kg	5.358	95.485	mg/kg	0.00955 %	✓	
107		lead { lead chromate }			1								
		082-004-00-2	231-846-0	7758-97-6		160	mg/kg	1.56	164.716	mg/kg	0.0106 %	✓	
108		selenium { nickel selenate }											
		028-031-00-5	239-125-2	15060-62-5		<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<**LOD**
109		zinc { zinc chromate }											
		024-007-00-3	236-878-9	13530-65-9		130	mg/kg	2.774	238.022	mg/kg	0.0238 %	✓	
110		mercury { mercury }											
		080-001-00-0	231-106-7	7439-97-6		0.22	mg/kg		0.145	mg/kg	0.0000145 %	✓	
111		chromium in Cr(III) compounds { chromium(III) oxide (worst case) }											
			215-160-9	1308-38-9		110	mg/kg	1.462	106.109	mg/kg	0.0106 %	✓	
112		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]											
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
113		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]											
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
114		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]											
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
115		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]											
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
116		dinitrobenzene; [1] 1,4-dinitrobenzene; [2] 1,3-dinitrobenzene; [3] 1,2-dinitrobenzene [4]											
		609-004-00-2	246-673-6 [1] 202-833-7 [2] 202-776-8 [3] 208-431-8 [4]	25154-54-5 [1] 100-25-4 [2] 99-65-0 [3] 528-29-0 [4]		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
										Total:	0.0666 %		

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 Deteminand - 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: BH03/0.40-0.60/2025-05-12

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

Sample details

Sample name:
BH03/0.40-0.60/2025-05-12
Moisture content:
20%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 20% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		chromium in Cr(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<**LOD**
2		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				0.1 mg/kg	1.884	0.151 mg/kg	0.0000151 %	✓	
3		monohydric phenols			P1186		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<**LOD**
4		pH			PH		5.2 pH		5.2 pH	5.2 pH		
5		acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
6		acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
7		anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
8		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
9		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
10		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
11		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
12		benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
13		chrysene	601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
14		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
15		fluoranthene		205-912-4	206-44-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
16		fluorene		201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-893-2	193-39-5									
18		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
19		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-927-3	129-00-0									
20		boron { boron tribromide }				0.3	mg/kg	23.173	5.562	mg/kg	0.000556 %	✓	
		005-003-00-0	233-657-9	10294-33-4									
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
22		polychlorobiphenyls; PCB				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
23		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
24		arsenic { arsenic }				4.7	mg/kg		3.76	mg/kg	0.000376 %	✓	
		033-001-00-X	231-148-6	7440-38-2									
25		cadmium { cadmium sulfate }				0.2	mg/kg	1.855	0.297	mg/kg	0.0000297 %	✓	
		048-009-00-9	233-331-6	10124-36-4									
26		copper { copper(II) chloride dihydrate }				17	mg/kg	2.683	36.486	mg/kg	0.00365 %	✓	
			231-210-2	10125-13-0									
27		nickel { nickel dibromate }				13	mg/kg	5.358	55.726	mg/kg	0.00557 %	✓	
		028-053-00-5	238-596-1	14550-87-9									
28		lead { lead chromate }			1	36	mg/kg	1.56	44.923	mg/kg	0.00288 %	✓	
		082-004-00-2	231-846-0	7758-97-6									
29		selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<**LOD**
		028-031-00-5	239-125-2	15060-62-5									
30		zinc { zinc chromate }				38	mg/kg	2.774	84.334	mg/kg	0.00843 %	✓	
		024-007-00-3	236-878-9	13530-65-9									
31		mercury { mercury }				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		080-001-00-0	231-106-7	7439-97-6									
32		chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				21	mg/kg	1.462	24.554	mg/kg	0.00246 %	✓	
			215-160-9	1308-38-9									
										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 Deteminand - 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: BH05/0.25-0.60/2025-05-12

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

Sample details

Sample name:
BH05/0.25-0.60/2025-05-12

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	chromium in Cr(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
2	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				0.2 mg/kg	1.884	0.377 mg/kg	0.0000377 %	✓	
3	monohydric phenols			P1186		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
4	pH			PH		7.7 pH		7.7 pH	7.7 pH		
5	acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
6	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
7	anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
8	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
9	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
11	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
12	benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
13	chrysene	601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
14	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
15	fluoranthene		205-912-4	206-44-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
16	fluorene		201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
18		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
19		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
20		boron { boron tribromide }				0.8	mg/kg	23.173	18.538	mg/kg	0.00185 %	✓	
		005-003-00-0	233-657-9	10294-33-4									
21		vinyl chloride; chloroethylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
22		1,1-dichloroethylene; vinylidene chloride				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
23		1,1-dichloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-011-00-1	200-863-5	75-34-3									
24		2,2-dichloropropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			209-832-0	594-20-7									
25		bromochloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-826-3	74-97-5									
26		chloroform; trichloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
27		1,1,1-trichloroethane; methyl chloroform				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
28		1,1-dichloropropene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
29		carbon tetrachloride; tetrachloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
30		benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
31		1,2-dichloroethane; ethylene dichloride				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
32		trichloroethylene; trichloroethene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
33		1,2-dichloropropane; propylene dichloride				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
34		dibromomethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
35		bromodichloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-856-7	75-27-4									
36		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
37		toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
38		trans-1,3-dichloropropene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			431-460-4	10061-02-6									
39		1,1,2-trichloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
40		tetrachloroethylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
41		1,3-dichloropropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-531-3	142-28-9									
42		dibromochloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			204-704-0	124-48-1									
43		1,2-dibromoethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
44		chlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
45		1,1,1,2-tetrachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			211-135-1	630-20-6									

#		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									
46		ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
47		styrene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
48		bromoform; tribromomethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
49		cumene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
50		bromobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
51		1,2,3-trichloropropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
52		propylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-097-00-8	203-132-9	103-65-1									
53		mesitylene; 1,3,5-trimethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
54		tert-butylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-632-4	98-06-6									
55		1,2,4-trimethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
56		sec-butylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-227-0	135-98-8									
57		1-isopropyl-4-methylbenzene; p-cymene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-094-00-1	202-796-7	99-87-6									
58		1,3-dichlorbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
59		1,4-dichlorobenzene; p-dichlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
60		n-butylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-209-7	104-51-8									
61		1,2-dichlorobenzene; o-dichlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
62		1,2-dibromo-3-chloropropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
63		1,2,4-trichlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
64		hexachlorobutadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-765-5	87-68-3									
65		naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
66		1,2,3-trichlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-757-1	87-61-6									
67		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
68		phenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
69		aniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									
70		benzyl alcohol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-057-00-5	202-859-9	100-51-6									
71		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
72		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2]	95-65-8 [1] 95-87-4 [2]									

#		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							
			203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]							
73		bis(2-chloroethoxy)methane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
			203-920-2	111-91-1							
74		2,4-dichlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		604-011-00-7	204-429-6	120-83-2							
75		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		604-014-00-3	200-431-6	59-50-7							
76		2-methyl naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
			202-078-3	91-57-6							
77		hexachlorocyclopentadiene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		602-078-00-7	201-029-3	77-47-4							
78		2,4,6-trichlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		604-018-00-5	201-795-9	88-06-2							
79		2,4,5-trichlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		604-017-00-X	202-467-8	95-95-4							
80		2-chloronaphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
			202-079-9	91-58-7							
81		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
82		4-nitrophenol; p-nitrophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		609-015-00-2	202-811-7	100-02-7							
83		dibenzofuran				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
			205-071-3	132-64-9							
84		2,6-dinitrotoluene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		609-049-00-8	210-106-0	606-20-2							
85		2,3,4,6-tetrachlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		604-013-00-8	200-402-8	58-90-2							
86		diethyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
			201-550-6	84-66-2							
87		4-chlorophenylphenylether				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
			230-281-7	7005-72-3							
88		DNOC (ISO); 4,6-dinitro-o-cresol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		609-020-00-X	208-601-1	534-52-1							
89		diphenylamine				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		612-026-00-5	204-539-4	122-39-4							
90		4-bromophenylphenylether				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
			202-952-4	101-55-3							
91		hexachlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1							
92		pentachlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5							
93		dibutyl phthalate; DBP				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		607-318-00-4	201-557-4	84-74-2							
94		BBP; benzyl butyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		607-430-00-3	201-622-7	85-68-7							
95		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		607-317-00-9	204-211-0	117-81-7							
96		di-n-octyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
			204-214-7	117-84-0							
97		dimethyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
			205-011-6	131-11-3							
98		azobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		611-001-00-6	203-102-5	103-33-3							

#		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									
99		carbazole				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-696-0	86-74-8									
100		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
101		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]									
102		arsenic { arsenic }				12	mg/kg		12	mg/kg	0.0012 %	✓	
		033-001-00-X	231-148-6	7440-38-2									
103		cadmium { cadmium sulfate }				0.5	mg/kg	1.855	0.927	mg/kg	0.0000927 %	✓	
		048-009-00-9	233-331-6	10124-36-4									
104		copper { copper(II) chloride dihydrate }				42	mg/kg	2.683	112.676	mg/kg	0.0113 %	✓	
			231-210-2	10125-13-0									
105		nickel { nickel dibromate }				23	mg/kg	5.358	123.241	mg/kg	0.0123 %	✓	
		028-053-00-5	238-596-1	14550-87-9									
106		lead { lead chromate }			1	72	mg/kg	1.56	112.307	mg/kg	0.0072 %	✓	
		082-004-00-2	231-846-0	7758-97-6									
107		selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<**LOD**
		028-031-00-5	239-125-2	15060-62-5									
108		zinc { zinc chromate }				72	mg/kg	2.774	199.739	mg/kg	0.02 %	✓	
		024-007-00-3	236-878-9	13530-65-9									
109		mercury { mercury }				0.1	mg/kg		0.1	mg/kg	0.00001 %	✓	
		080-001-00-0	231-106-7	7439-97-6									
110		chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				61	mg/kg	1.462	89.155	mg/kg	0.00892 %	✓	
			215-160-9	1308-38-9									
111		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
112		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
113		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
114		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
115		dinitrobenzene; [1] 1,4-dinitrobenzene; [2] 1,3-dinitrobenzene; [3] 1,2-dinitrobenzene [4]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		609-004-00-2	246-673-6 [1] 202-833-7 [2] 202-776-8 [3] 208-431-8 [4]	25154-54-5 [1] 100-25-4 [2] 99-65-0 [3] 528-29-0 [4]									
										Total:	0.0629 %		

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 Deteminand - 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: BH06/0.40-0.60/2025-05-13

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

Sample details

Sample name:
BH06/0.40-0.60/2025-05-13
Moisture content:
13%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 13% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		chromium in Cr(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1	mg/kg	1.923	<1.923	mg/kg	<0.000192 %		<**LOD**
2		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				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<**LOD**
3		monohydric phenols			P1186		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
4		pH			PH		7.8	pH		7.8	pH	7.8 pH		
5		acenaphthene		201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
6		acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
7		anthracene		204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
8		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
9		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
10		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
11		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
12		benzo[ghi]perylene		205-883-8	191-24-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
13		chrysene	601-048-00-0	205-923-4	218-01-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
14		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
15		fluoranthene		205-912-4	206-44-0		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
16		fluorene		201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-893-2	193-39-5									
18		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
19		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-927-3	129-00-0									
20		boron { boron tribromide }				0.3	mg/kg	23.173	6.048	mg/kg	0.000605 %	✓	
		005-003-00-0	233-657-9	10294-33-4									
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
22		polychlorobiphenyls; PCB				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
23		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
24		arsenic { arsenic }				5.3	mg/kg		4.611	mg/kg	0.000461 %	✓	
		033-001-00-X	231-148-6	7440-38-2									
25		cadmium { cadmium sulfate }				0.3	mg/kg	1.855	0.484	mg/kg	0.0000484 %	✓	
		048-009-00-9	233-331-6	10124-36-4									
26		copper { copper(II) chloride dihydrate }				22	mg/kg	2.683	51.348	mg/kg	0.00513 %	✓	
			231-210-2	10125-13-0									
27		nickel { nickel dibromate }				19	mg/kg	5.358	88.573	mg/kg	0.00886 %	✓	
		028-053-00-5	238-596-1	14550-87-9									
28		lead { lead chromate }			1	42	mg/kg	1.56	56.996	mg/kg	0.00365 %	✓	
		082-004-00-2	231-846-0	7758-97-6									
29		selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<**LOD**
		028-031-00-5	239-125-2	15060-62-5									
30		zinc { zinc chromate }				51	mg/kg	2.774	123.089	mg/kg	0.0123 %	✓	
		024-007-00-3	236-878-9	13530-65-9									
31		mercury { mercury }				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		080-001-00-0	231-106-7	7439-97-6									
32		chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				12	mg/kg	1.462	15.259	mg/kg	0.00153 %	✓	
			215-160-9	1308-38-9									
										Total:	0.0326 %		

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 Deteminand - 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: BH07/1.40-1.60/2025-05-13

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

Sample details

Sample name:
BH07/1.40-1.60/2025-05-13

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	chromium in Cr(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
2	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				0.3 mg/kg	1.884	0.565 mg/kg	0.0000565 %	✓	
3	monohydric phenols			P1186		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
4	pH			PH		5.6 pH		5.6 pH	5.6 pH		
5	acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
6	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
7	anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
8	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
9	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
11	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
12	benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
13	chrysene	601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
14	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
15	fluoranthene		205-912-4	206-44-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
16	fluorene		201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-893-2	193-39-5									
18		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
19		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-927-3	129-00-0									
20		boron { boron tribromide }				0.6	mg/kg	23.173	13.904	mg/kg	0.00139 %	✓	
		005-003-00-0	233-657-9	10294-33-4									
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
22		polychlorobiphenyls; PCB				<0.12	mg/kg		<0.12	mg/kg	<0.000012 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
23		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
24		arsenic { arsenic }				9.6	mg/kg		9.6	mg/kg	0.00096 %	✓	
		033-001-00-X	231-148-6	7440-38-2									
25		cadmium { cadmium sulfate }				0.4	mg/kg	1.855	0.742	mg/kg	0.0000742 %	✓	
		048-009-00-9	233-331-6	10124-36-4									
26		copper { copper(II) chloride dihydrate }				40	mg/kg	2.683	107.31	mg/kg	0.0107 %	✓	
			231-210-2	10125-13-0									
27		nickel { nickel dibromate }				23	mg/kg	5.358	123.241	mg/kg	0.0123 %	✓	
		028-053-00-5	238-596-1	14550-87-9									
28		lead { lead chromate }			1	70	mg/kg	1.56	109.187	mg/kg	0.007 %	✓	
		082-004-00-2	231-846-0	7758-97-6									
29		selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<**LOD**
		028-031-00-5	239-125-2	15060-62-5									
30		zinc { zinc chromate }				65	mg/kg	2.774	180.32	mg/kg	0.018 %	✓	
		024-007-00-3	236-878-9	13530-65-9									
31		mercury { mercury }				0.06	mg/kg		0.06	mg/kg	0.000006 %	✓	
		080-001-00-0	231-106-7	7439-97-6									
32		chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				39	mg/kg	1.462	57.001	mg/kg	0.0057 %	✓	
			215-160-9	1308-38-9									
										Total:	0.0563 %		

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 Deteminand - 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: BH09/0.20-0.40/2025-05-13

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

Sample details

Sample name:
BH09/0.20-0.40/2025-05-13

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 8: Corrosive "waste which on application can cause skin corrosion"

pH; pH "Assumed to be irritant/corrosive because of pH value"

Because of determinand:

pH (conc.: 12 pH)

Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	chromium in Cr(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
2	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				<0.1 mg/kg	1.884	<0.188 mg/kg	<0.0000188 %		<LOD
3	monohydric phenols			P1186		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
4	pH			PH		12 pH		12 pH	12pH		
5	acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
6	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
7	anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
8	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
9	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
11	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
12	benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
13	chrysene	601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
14	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15		fluoranthene		205-912-4	206-44-0		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
16		fluorene		201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
17		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
18		phenanthrene		201-581-5	85-01-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
19		pyrene		204-927-3	129-00-0		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
20		boron { boron tribromide }	005-003-00-0	233-657-9	10294-33-4		0.4	mg/kg	23.173	9.269	mg/kg	0.000927 %	✓	
21		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
22		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.12	mg/kg		<0.12	mg/kg	<0.000012 %		<LOD
23		TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
24		arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		1.9	mg/kg		1.9	mg/kg	0.00019 %	✓	
25		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.3	mg/kg	1.855	0.556	mg/kg	0.0000556 %	✓	
26		copper { copper(II) chloride dihydrate }		231-210-2	10125-13-0		12	mg/kg	2.683	32.193	mg/kg	0.00322 %	✓	
27		nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		7.2	mg/kg	5.358	38.58	mg/kg	0.00386 %	✓	
28		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	6	mg/kg	1.56	9.359	mg/kg	0.0006 %	✓	
29		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
30		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		23	mg/kg	2.774	63.805	mg/kg	0.00638 %	✓	
31		mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
32		chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		7.4	mg/kg	1.462	10.816	mg/kg	0.00108 %	✓	
											Total:	0.0163 %		

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)
	Speciated Deteminand - 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: BH11/0.80-1.00/2025-05-13

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

Sample details

Sample name:
BH11/0.80-1.00/2025-05-13

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		chromium in Cr(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
2		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				0.1 mg/kg	1.884	0.188 mg/kg	0.0000188 %	✓	
3		monohydric phenols			P1186		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
4		pH			PH		6.3 pH		6.3 pH	6.3 pH		
5		acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
6		acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
7		anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
8		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
9		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
11		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
12		benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
13		chrysene	601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
14		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
15		fluoranthene		205-912-4	206-44-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
16		fluorene		201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
18		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
19		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
20		boron { boron tribromide }				0.7	mg/kg	23.173	16.221	mg/kg	0.00162 %	✓	
		005-003-00-0	233-657-9	10294-33-4									
21		vinyl chloride; chloroethylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
22		1,1-dichloroethylene; vinylidene chloride				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
23		1,1-dichloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-011-00-1	200-863-5	75-34-3									
24		2,2-dichloropropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			209-832-0	594-20-7									
25		bromochloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-826-3	74-97-5									
26		chloroform; trichloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
27		1,1,1-trichloroethane; methyl chloroform				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
28		1,1-dichloropropene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
29		carbon tetrachloride; tetrachloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
30		benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
31		1,2-dichloroethane; ethylene dichloride				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
32		trichloroethylene; trichloroethene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
33		1,2-dichloropropane; propylene dichloride				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
34		dibromomethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
35		bromodichloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-856-7	75-27-4									
36		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
37		toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
38		trans-1,3-dichloropropene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			431-460-4	10061-02-6									
39		1,1,2-trichloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
40		tetrachloroethylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
41		1,3-dichloropropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-531-3	142-28-9									
42		dibromochloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			204-704-0	124-48-1									
43		1,2-dibromoethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
44		chlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
45		1,1,1,2-tetrachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			211-135-1	630-20-6									

#		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									
46		ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
47		styrene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		601-026-00-0	202-851-5	100-42-5									
48		bromoform; tribromomethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-007-00-X	200-854-6	75-25-2									
49		cumene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		601-024-00-X	202-704-5	98-82-8									
50		bromobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-060-00-9	203-623-8	108-86-1									
51		1,2,3-trichloropropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-062-00-X	202-486-1	96-18-4									
52		propylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		601-097-00-8	203-132-9	103-65-1									
53		mesitylene; 1,3,5-trimethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		601-025-00-5	203-604-4	108-67-8									
54		tert-butylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			202-632-4	98-06-6									
55		1,2,4-trimethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		601-043-00-3	202-436-9	95-63-6									
56		sec-butylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			205-227-0	135-98-8									
57		1-isopropyl-4-methylbenzene; p-cymene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		601-094-00-1	202-796-7	99-87-6									
58		1,3-dichlorbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-067-00-7	208-792-1	541-73-1									
59		1,4-dichlorobenzene; p-dichlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
60		n-butylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			203-209-7	104-51-8									
61		1,2-dichlorobenzene; o-dichlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
62		1,2-dibromo-3-chloropropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
63		1,2,4-trichlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
64		hexachlorobutadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-765-5	87-68-3									
65		naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
66		1,2,3-trichlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-757-1	87-61-6									
67		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
68		phenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
69		aniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		612-008-00-7	200-539-3	62-53-3									
70		benzyl alcohol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		603-057-00-5	202-859-9	100-51-6									
71		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
72		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-006-00-X	202-439-5 [1] 202-461-5 [2]	95-65-8 [1] 95-87-4 [2]									

#		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							
			203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]							
73		bis(2-chloroethoxy)methane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1							
74		2,4-dichlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2							
75		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7							
76		2-methyl naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6							
77		hexachlorocyclopentadiene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-078-00-7	201-029-3	77-47-4							
78		2,4,6-trichlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2							
79		2,4,5-trichlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4							
80		2-chloronaphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7							
81		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
82		4-nitrophenol; p-nitrophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		609-015-00-2	202-811-7	100-02-7							
83		dibenzofuran				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9							
84		2,6-dinitrotoluene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		609-049-00-8	210-106-0	606-20-2							
85		2,3,4,6-tetrachlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-013-00-8	200-402-8	58-90-2							
86		diethyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2							
87		4-chlorophenylphenylether				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3							
88		DNOC (ISO); 4,6-dinitro-o-cresol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		609-020-00-X	208-601-1	534-52-1							
89		diphenylamine				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		612-026-00-5	204-539-4	122-39-4							
90		4-bromophenylphenylether				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3							
91		hexachlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1							
92		pentachlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5							
93		dibutyl phthalate; DBP				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2							
94		BBP; benzyl butyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7							
95		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7							
96		di-n-octyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0							
97		dimethyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3							
98		azobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		611-001-00-6	203-102-5	103-33-3							

#		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									
99		carbazole				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-696-0	86-74-8									
100		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
101		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]									
102		arsenic { arsenic }				11	mg/kg		11	mg/kg	0.0011 %	✓	
		033-001-00-X	231-148-6	7440-38-2									
103		cadmium { cadmium sulfate }				0.3	mg/kg	1.855	0.556	mg/kg	0.0000556 %	✓	
		048-009-00-9	233-331-6	10124-36-4									
104		copper { copper(II) chloride dihydrate }				54	mg/kg	2.683	144.869	mg/kg	0.0145 %	✓	
			231-210-2	10125-13-0									
105		nickel { nickel dibromate }				25	mg/kg	5.358	133.958	mg/kg	0.0134 %	✓	
		028-053-00-5	238-596-1	14550-87-9									
106		lead { lead chromate }			1	130	mg/kg	1.56	202.776	mg/kg	0.013 %	✓	
		082-004-00-2	231-846-0	7758-97-6									
107		selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<**LOD**
		028-031-00-5	239-125-2	15060-62-5									
108		zinc { zinc chromate }				80	mg/kg	2.774	221.932	mg/kg	0.0222 %	✓	
		024-007-00-3	236-878-9	13530-65-9									
109		mercury { mercury }				0.47	mg/kg		0.47	mg/kg	0.000047 %	✓	
		080-001-00-0	231-106-7	7439-97-6									
110		chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				34	mg/kg	1.462	49.693	mg/kg	0.00497 %	✓	
			215-160-9	1308-38-9									
111		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
112		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
113		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
114		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
115		dinitrobenzene; [1] 1,4-dinitrobenzene; [2] 1,3-dinitrobenzene; [3] 1,2-dinitrobenzene [4]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		609-004-00-2	246-673-6 [1] 202-833-7 [2] 202-776-8 [3] 208-431-8 [4]	25154-54-5 [1] 100-25-4 [2] 99-65-0 [3] 528-29-0 [4]									
										Total:	0.0709 %		

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 Deteminand - 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: BH12/0.20-0.40/2025-05-14

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

Sample details

Sample name:
BH12/0.20-0.40/2025-05-14
Moisture content:
11%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 11% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		chromium in Cr(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		**<LOD**
2		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				0.2 mg/kg	1.884	0.335 mg/kg	0.0000335 %	✓	
3		monohydric phenols			P1186		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		**<LOD**
4		pH			PH		7.4 pH		7.4 pH	7.4 pH		
5		acenaphthene		201-469-6	83-32-9		0.3 mg/kg		0.267 mg/kg	0.0000267 %	✓	
6		acenaphthylene		205-917-1	208-96-8		0.8 mg/kg		0.712 mg/kg	0.0000712 %	✓	
7		anthracene		204-371-1	120-12-7		1 mg/kg		0.89 mg/kg	0.000089 %	✓	
8		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		8.7 mg/kg		7.743 mg/kg	0.000774 %	✓	
9		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		6.8 mg/kg		6.052 mg/kg	0.000605 %	✓	
10		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		6.2 mg/kg		5.518 mg/kg	0.000552 %	✓	
11		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		3.8 mg/kg		3.382 mg/kg	0.000338 %	✓	
12		benzo[ghi]perylene		205-883-8	191-24-2		9.2 mg/kg		8.188 mg/kg	0.000819 %	✓	
13		chrysene	601-048-00-0	205-923-4	218-01-9		7.1 mg/kg		6.319 mg/kg	0.000632 %	✓	
14		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		1.6 mg/kg		1.424 mg/kg	0.000142 %	✓	
15		fluoranthene		205-912-4	206-44-0		11 mg/kg		9.79 mg/kg	0.000979 %	✓	
16		fluorene		201-695-5	86-73-7		0.2 mg/kg		0.178 mg/kg	0.0000178 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		indeno[123-cd]pyrene				7.8	mg/kg		6.942	mg/kg	0.000694 %	✓	
			205-893-2	193-39-5									
18		phenanthrene				2.4	mg/kg		2.136	mg/kg	0.000214 %	✓	
			201-581-5	85-01-8									
19		pyrene				11	mg/kg		9.79	mg/kg	0.000979 %	✓	
			204-927-3	129-00-0									
20		boron { boron tribromide }				0.4	mg/kg	23.173	8.25	mg/kg	0.000825 %	✓	
		005-003-00-0	233-657-9	10294-33-4									
21		naphthalene				0.2	mg/kg		0.178	mg/kg	0.0000178 %	✓	
		601-052-00-2	202-049-5	91-20-3									
22		polychlorobiphenyls; PCB				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
23		TPH (C6 to C40) petroleum group				196.7	mg/kg		175.063	mg/kg	0.0175 %	✓	
				TPH									
24		arsenic { arsenic }				14	mg/kg		12.46	mg/kg	0.00125 %	✓	
		033-001-00-X	231-148-6	7440-38-2									
25		cadmium { cadmium sulfate }				0.4	mg/kg	1.855	0.66	mg/kg	0.000066 %	✓	
		048-009-00-9	233-331-6	10124-36-4									
26		copper { copper(II) chloride dihydrate }				47	mg/kg	2.683	112.22	mg/kg	0.0112 %	✓	
			231-210-2	10125-13-0									
27		nickel { nickel dibromate }				20	mg/kg	5.358	95.378	mg/kg	0.00954 %	✓	
		028-053-00-5	238-596-1	14550-87-9									
28		lead { lead chromate }			1	190	mg/kg	1.56	263.765	mg/kg	0.0169 %	✓	
		082-004-00-2	231-846-0	7758-97-6									
29		selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<**LOD**
		028-031-00-5	239-125-2	15060-62-5									
30		zinc { zinc chromate }				93	mg/kg	2.774	229.616	mg/kg	0.023 %	✓	
		024-007-00-3	236-878-9	13530-65-9									
31		mercury { mercury }				0.14	mg/kg		0.125	mg/kg	0.0000125 %	✓	
		080-001-00-0	231-106-7	7439-97-6									
32		chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				27	mg/kg	1.462	35.121	mg/kg	0.00351 %	✓	
			215-160-9	1308-38-9									
										Total:	0.0908 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 300 mg/kg (0.03%) because: No liquid phase

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0175%)

Classification of sample: BH13/0.20-0.40/2025-05-14

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

Sample details

Sample name:
BH13/0.20-0.40/2025-05-14

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	chromium in Cr(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<**LOD**
2	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				0.1 mg/kg	1.884	0.188 mg/kg	0.0000188 %	✓	
3	monohydric phenols			P1186		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<**LOD**
4	pH			PH		7.9 pH		7.9 pH	7.9 pH		
5	acenaphthene		201-469-6	83-32-9		1.3 mg/kg		1.3 mg/kg	0.00013 %	✓	
6	acenaphthylene		205-917-1	208-96-8		3.2 mg/kg		3.2 mg/kg	0.00032 %	✓	
7	anthracene		204-371-1	120-12-7		9.9 mg/kg		9.9 mg/kg	0.00099 %	✓	
8	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		31 mg/kg		31 mg/kg	0.0031 %	✓	
9	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		31 mg/kg		31 mg/kg	0.0031 %	✓	
10	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		22 mg/kg		22 mg/kg	0.0022 %	✓	
11	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		14 mg/kg		14 mg/kg	0.0014 %	✓	
12	benzo[ghi]perylene		205-883-8	191-24-2		16 mg/kg		16 mg/kg	0.0016 %	✓	
13	chrysene	601-048-00-0	205-923-4	218-01-9		29 mg/kg		29 mg/kg	0.0029 %	✓	
14	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		2.5 mg/kg		2.5 mg/kg	0.00025 %	✓	
15	fluoranthene		205-912-4	206-44-0		64 mg/kg		64 mg/kg	0.0064 %	✓	
16	fluorene		201-695-5	86-73-7		3 mg/kg		3 mg/kg	0.0003 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		indeno[123-cd]pyrene				22	mg/kg		22	mg/kg	0.0022 %	✓	
			205-893-2	193-39-5									
18		phenanthrene				35	mg/kg		35	mg/kg	0.0035 %	✓	
			201-581-5	85-01-8									
19		pyrene				57	mg/kg		57	mg/kg	0.0057 %	✓	
			204-927-3	129-00-0									
20		boron { boron tribromide }				0.5	mg/kg	23.173	11.586	mg/kg	0.00116 %	✓	
		005-003-00-0	233-657-9	10294-33-4									
21		naphthalene				0.6	mg/kg		0.6	mg/kg	0.00006 %	✓	
		601-052-00-2	202-049-5	91-20-3									
22		TPH (C6 to C40) petroleum group				275	mg/kg		275	mg/kg	0.0275 %	✓	
				TPH									
23		arsenic { arsenic }				15	mg/kg		15	mg/kg	0.0015 %	✓	
		033-001-00-X	231-148-6	7440-38-2									
24		cadmium { cadmium sulfate }				0.3	mg/kg	1.855	0.556	mg/kg	0.0000556 %	✓	
		048-009-00-9	233-331-6	10124-36-4									
25		copper { copper(II) chloride dihydrate }				50	mg/kg	2.683	134.138	mg/kg	0.0134 %	✓	
			231-210-2	10125-13-0									
26		nickel { nickel dibromate }				19	mg/kg	5.358	101.808	mg/kg	0.0102 %	✓	
		028-053-00-5	238-596-1	14550-87-9									
27		lead { lead chromate }			1	240	mg/kg	1.56	374.356	mg/kg	0.024 %	✓	
		082-004-00-2	231-846-0	7758-97-6									
28		selenium { nickel selenate }				1	mg/kg	2.554	2.554	mg/kg	0.000255 %	✓	
		028-031-00-5	239-125-2	15060-62-5									
29		zinc { zinc chromate }				78	mg/kg	2.774	216.383	mg/kg	0.0216 %	✓	
		024-007-00-3	236-878-9	13530-65-9									
30		mercury { mercury }				0.14	mg/kg		0.14	mg/kg	0.000014 %	✓	
		080-001-00-0	231-106-7	7439-97-6									
31		chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				41	mg/kg	1.462	59.924	mg/kg	0.00599 %	✓	
			215-160-9	1308-38-9									
										Total:	0.14 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 300 mg/kg (0.03%) because: No liquid phase

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0275%)

Classification of sample: BH14/0.40-0.60/2025-05-14

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

Sample details

Sample name:
BH14/0.40-0.60/2025-05-14

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	chromium in Cr(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
2	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				<0.1 mg/kg	1.884	<0.188 mg/kg	<0.0000188 %		<LOD
3	monohydric phenols			P1186		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
4	pH			PH		8.1 pH		8.1 pH	8.1 pH		
5	acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
6	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
7	anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
8	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.2 mg/kg		0.2 mg/kg	0.00002 %	✓	
9	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.2 mg/kg		0.2 mg/kg	0.00002 %	✓	
10	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.2 mg/kg		0.2 mg/kg	0.00002 %	✓	
11	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.1 mg/kg		0.1 mg/kg	0.00001 %	✓	
12	benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
13	chrysene	601-048-00-0	205-923-4	218-01-9		0.2 mg/kg		0.2 mg/kg	0.00002 %	✓	
14	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
15	fluoranthene		205-912-4	206-44-0		0.3 mg/kg		0.3 mg/kg	0.00003 %	✓	
16	fluorene		201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
18		phenanthrene				0.1	mg/kg		0.1	mg/kg	0.00001 %	✓	
			201-581-5	85-01-8									
19		pyrene				0.2	mg/kg		0.2	mg/kg	0.00002 %	✓	
			204-927-3	129-00-0									
20		boron { boron tribromide }				0.6	mg/kg	23.173	13.904	mg/kg	0.00139 %	✓	
		005-003-00-0	233-657-9	10294-33-4									
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
				TPH									
23		arsenic { arsenic }				8.2	mg/kg		8.2	mg/kg	0.00082 %	✓	
		033-001-00-X	231-148-6	7440-38-2									
24		cadmium { cadmium sulfate }				0.1	mg/kg	1.855	0.185	mg/kg	0.0000185 %	✓	
		048-009-00-9	233-331-6	10124-36-4									
25		copper { copper(II) chloride dihydrate }				58	mg/kg	2.683	155.6	mg/kg	0.0156 %	✓	
			231-210-2	10125-13-0									
26		nickel { nickel dibromate }				31	mg/kg	5.358	166.108	mg/kg	0.0166 %	✓	
		028-053-00-5	238-596-1	14550-87-9									
27		lead { lead chromate }			1	40	mg/kg	1.56	62.393	mg/kg	0.004 %	✓	
		082-004-00-2	231-846-0	7758-97-6									
28		selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
		028-031-00-5	239-125-2	15060-62-5									
29		zinc { zinc chromate }				65	mg/kg	2.774	180.32	mg/kg	0.018 %	✓	
		024-007-00-3	236-878-9	13530-65-9									
30		mercury { mercury }				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		080-001-00-0	231-106-7	7439-97-6									
31		chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				28	mg/kg	1.462	40.924	mg/kg	0.00409 %	✓	
			215-160-9	1308-38-9									
										Total:	0.0607 %		

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 Deteminand - 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: West/2025-05-14

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

Sample details

Sample name:
West/2025-05-14

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
1	•	pH		PH		7.5 pH		7.5 pH	7.5 pH		
								Total:	0%		

Key

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

Classification of sample: East/2025-05-14

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

Sample details

Sample name:
East/2025-05-14

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
1	●	pH				7.3 pH		7.3 pH	7.3 pH		
				PH							
								Total:	0%		

Key

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

Appendix A: Classifier defined and non GB MCL determinands

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

monohydric phenols (CAS Number: P1186)

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

pH (CAS Number: PH)

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

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

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

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

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

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

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

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

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

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

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

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H332 , Flam. Liq. 2; H225 , Acute Tox. 4; H302 , Acute Tox. 4; H312 , Eye Irrit. 2; H319

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

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H312 , Skin Corr. 1B; H314 , Eye Dam. 1; H318 , Acute Tox. 4; H332 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Ozone 1; H420

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

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 1A; H360

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

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Acute Tox. 3; H301 , Asp. Tox. 1; H304 , Acute Tox. 3; H311 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , Aquatic Chronic 1; H410

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

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H332 , Flam. Liq. 2; H225 , Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335

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

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 3;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , STOT SE 3; H336 , Muta. 2; H341 , Aquatic Chronic 2; H411

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

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , Eye Dam. 1; H318 , Acute Tox. 4; H332 , Carc. 2; H351 , Acute Tox. 4; H312 , Aquatic Chronic 3; H412 , Skin Irrit. 2; H315

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

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

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , Acute Tox. 4; H332 , STOT SE 3; H335 , Asp. Tox. 1; H304 , Aquatic Chronic 2; H411

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

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Aquatic Chronic 2; H411

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

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 3;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 2; H310 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Irrit. 2; H319 , Acute Tox. 2; H330 , Carc. 2; H351 , Repr. 2; H361 , STOT SE 2; H371 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

1,2,3-trichlorobenzene (EC Number: 201-757-1, CAS Number: 87-61-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , STOT SE 3; H336 , Aquatic Acute 1; H400 , Aquatic Chronic 3; H410

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

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

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 4; H312 , Acute Tox. 1; H330 , Acute Tox. 2; H330 , STOT SE 1; H370 , STOT RE 2; H373

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

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , STOT SE 3; H336 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

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

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Acute Tox. 4; H332 , Aquatic Chronic 2; H411

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

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Skin Irrit. 2; H315 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , STOT SE 3; H335 , STOT RE 2; H373 , Repr. 2; H361 , Acute Tox. 4; H302 , STOT SE 3; H336 , Skin Sens. 1; H317 , Aquatic Chronic 1; H410

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

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Repr. 2; H361 , Skin Sens. 1; H317 , Resp. Sens. 1; H334 , Eye Irrit. 2; H319 , Aquatic Chronic 4; H413

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

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , STOT SE 3; H335 , STOT SE 3; H336 , Repr. 2; H361 , Aquatic Chronic 3; H412

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

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Muta. 2; H341 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , Acute Tox. 3; H301

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

arsenic (EC Number: 231-148-6, CAS Number: 7440-38-2)

GB MCL index number: 033-001-00-X
Description/Comments: Worst Case: IARC considers arsenic 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

copper(II) chloride dihydrate (EC Number: 231-210-2, CAS Number: 10125-13-0)

Description/Comments: C&L for copper (II) chloride (anhydrous) CAS 7447-39-4
Data source:
Data source date: 03 Nov 2016
Hazard Statements: Skin Irrit. 2; H315 , Acute Tox. 4; H302 , Eye Dam. 1; H318 , Acute Tox. 4; H312 , STOT SE 3; H335 , Eye Irrit. 2; H319 , Acute Tox. 3; H301 , Acute Tox. 4; H332 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

Appendix B: Rationale for selection of metal species

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

Most realistic

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

Most appropriate

boron {boron tribromide}

Worst case

arsenic {arsenic}

Most realistic

cadmium {cadmium sulfate}

worst-case

copper {copper(II) chloride dihydrate}

worst case

nickel {nickel dibromate}

worst-case

lead {lead chromate}

worst-case

selenium {nickel selenate}

worst-case

zinc {zinc chromate}

worst case

mercury {mercury}

worst-case

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

worst-case

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2025.156.6656.12103 (05 Jun 2025)
HazWasteOnline Database: 2025.156.6656.12103 (05 Jun 2025)

This classification utilises the following guidance and legislation:
WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
GB MCL List - version 1.1 of 09 June 2021
GB MCL List v2.0 - version 2.0 of 20th October 2023
GB MCL List v3.0 - version 3.0 of 11th January 2024
GB MCL List v4.0 - version 4.0 of 2nd March 2024
GB MCL List v5.0 - version 5.0 of 26th June 2024
GB MCL List v6.0 - version 6.0 of 15th February 2025

APPENDIX D:
Geotechnical Laboratory Results

Laboratory Report Front Sheet

Site name	Job number
New Mills, Marsden	S250431

G2M Testing (Stockton)
12-16 Yarm Road
Stockton on Tees
TS18 3NA
01642 033318
info@g2mtesting.co.uk

UKAS TESTING
10258

Client details:

Reference:	S250431
Name:	Solmek
Address:	12 Yarm Road, Stockton-on-tees, TS18 3NA
Telephone:	01642 607083
Email:	lcassidy@solmek.com
FAO:	Leo Cassidy

Samples received: 20/05/2025

Date commenced: 21/05/2025

Date reported: 09/06/2025

Observations and interpretations are outside of the UKAS Accreditiation

A copy of the Laboratory Schedule of accredited tests as issued by UKAS is attached to this report. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced in full, without the prior written approval of the laboratory.

Samples will be held at the laboratory for a period of 4 weeks after the report date. After the above reporting date the samples will be disposed of. Should further testing be required then the office should be informed before the above date.

Signature:	Approved Signitories:
	☐ D.Anderson (Managing Director) ☑ J. Brischuk (Laboratory Manager) ☐

Summary of Classification Tests

G2M Testing (Stockton)
12-16 Yarm Road
Stockton on Tees
TS18 3NA
01642 033318
info@g2mtesting.co.uk

UKAS TESTING
10258

Site name	Job number
New Mills, Marsden	S250431

Hole	Depth Top m	Depth Base m	Type	*w* %	Oven temp. oc	wa %	Pa %	Pr %	wL %	wP %	IP %	IL	Plasticity class	Preparation method
BH07	1.80		B	54	105	87	62	38	65-s	36	29	1.759	MH	Tested after >425µm removed by hand
BH10	1.80		B	28	105	34	82	18	53-s	34	19	0.000	MH	Tested after >425µm removed by hand
BH11	0.80		B	42	105	45	93	7	67-s	32	35	0.371	CH	Tested after >425µm removed by hand

All tests found in G2M Testing UKAS Schedule of Accreditation are tested to standard unless otherwise indicated

Key	Description		Category	BS Test Code
w	Moisture content			BS 1377:1990 Part 2 Clause 3.2
wa	Equivalent moisture content passing 425µm sieve			BS 1377:1990 Part 2 Clause 3.2
wL	Liquid limit	Single point	-s	BS 1377:1990 Part 2 Clause 4.4
		Four point	-f	BS 1377:1990 Part 2 Clause 4.3
wP	Plastic limit			BS 1377:1990 Part 2 Clause 5.2
Pa	Percentage passing 425um sieve			
Pr	Percentage retained 425um sieve			
IP	Plasticity index			BS 1377:1990 Part 2 Clause 5.4
IL	Liquidity index			BS 1377:1990 Part 2 Clause 5.4
	Suffix indicating test is "Not UKAS Accredited"		*	

Approved by	D Anderson
Approval date	27/05/2025 11:37
Date report generated	
Report Number	

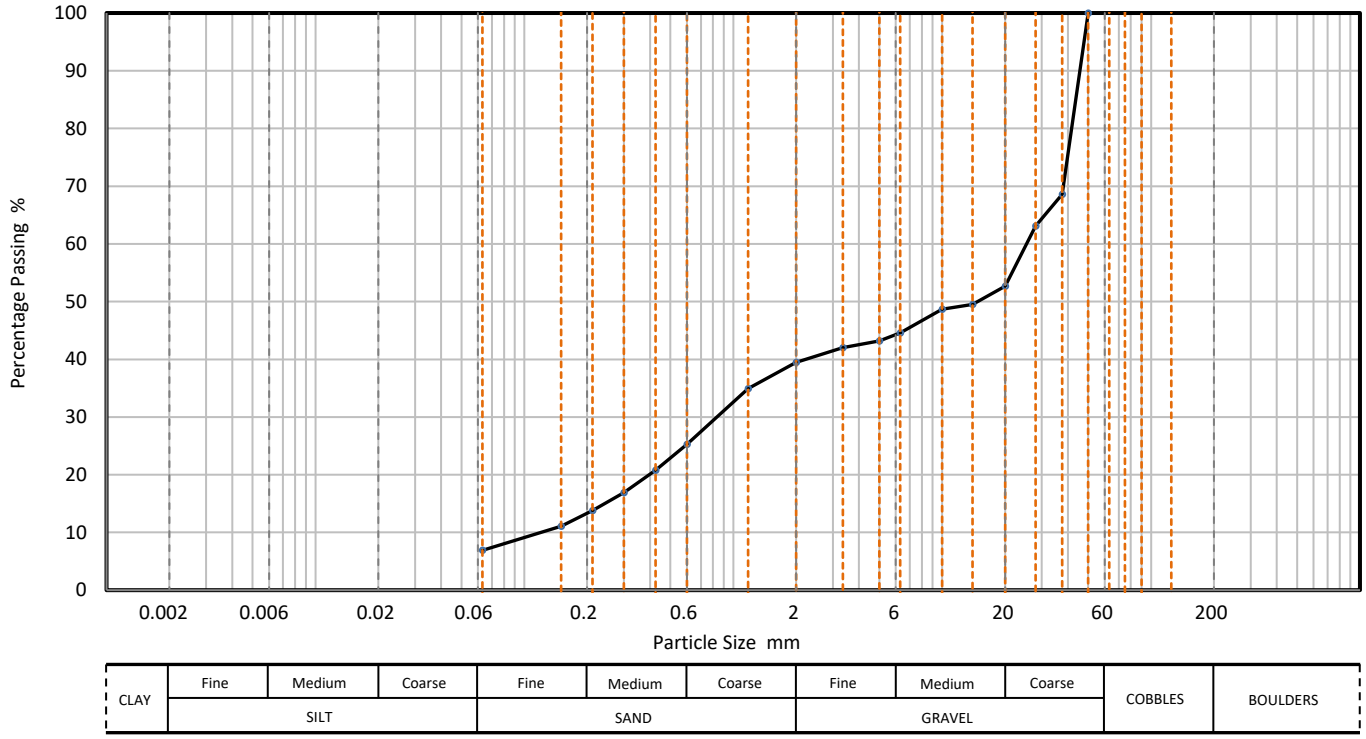
PARTICLE SIZE DISTRIBUTION

Site name	Job number
New Mills, Marsden	S250431

G2M Testing (Stockton)
12-16 Yarm Road
Stockton on Tees
TS18 3NA
01642 033318
info@g2mtesting.co.uk

UKAS TESTING
10258

Hole	BH03	Lab sample ID	G2MT2025052123
Depth (Top) m	1.40	Test Method	BS 1377 - 2 : 1990 Clause 9.2
Depth (Base) m		Soil Description	Slightly Silty, very Sandy, GRAVEL
Sample type	B		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
50	100		
37.5	69		
28	63		
20	53		
14	50		
10	49		
6.3	45		
5	43		
3.35	42		
2	40		
1.18	35		
0.6	25		
0.425	21		
0.3	17		
0.212	14		
0.15	11		
0.063	7		

Dry Mass of sample, g: 2582

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	60.5
Sand	32.6
Fines <0.063mm	7.0

Grading Analysis		
D100	mm	50
D60	mm	25.3
D30	mm	0.835
D10	mm	0.121
Uniformity Coefficient		210
Curvature Coefficient		0.23

Remarks

Preparation and testing in accordance with test method unless noted below

Sample tested was deviating in accordance with BS1377 test standard (Insufficient Mass)

Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

Approved by	D Anderson
Approval date	04/06/2025 13:10

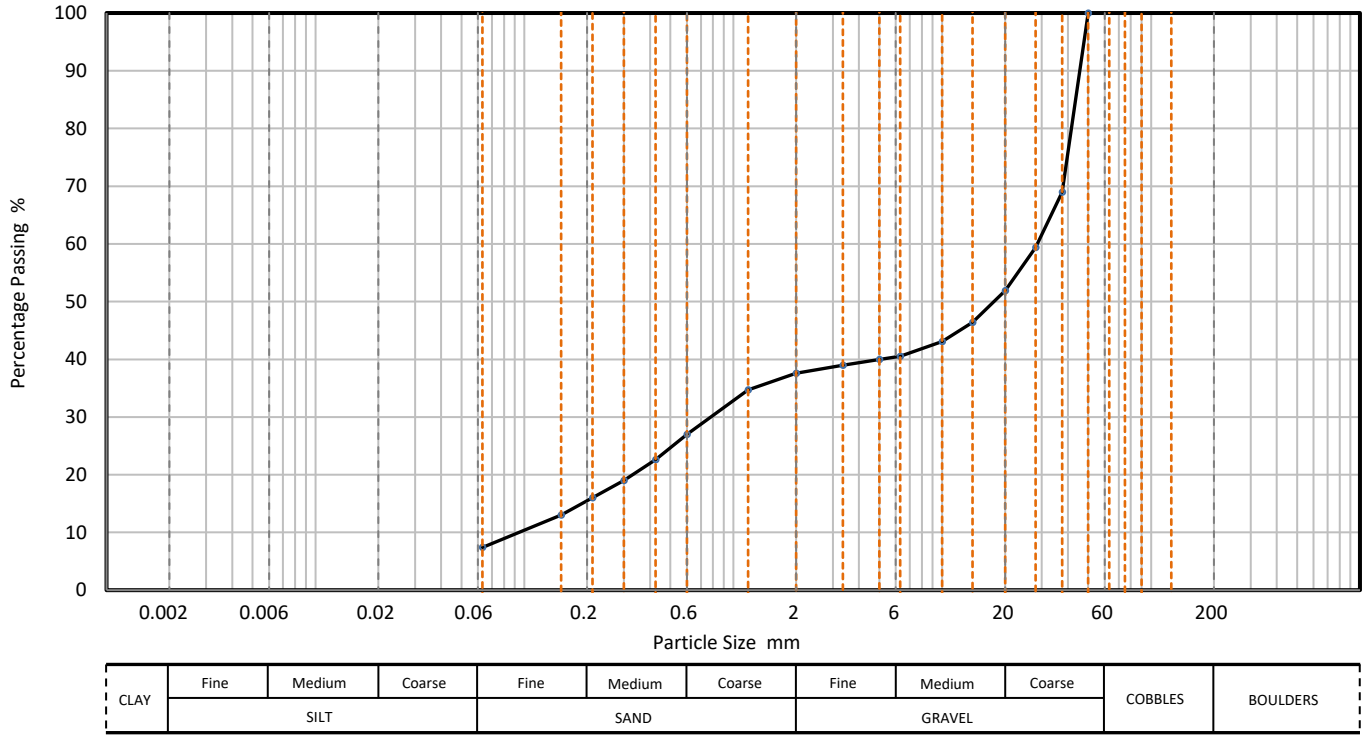
PARTICLE SIZE DISTRIBUTION

Site name	Job number
New Mills, Marsden	S250431

G2M Testing (Stockton)
12-16 Yarm Road
Stockton on Tees
TS18 3NA
01642 033318
info@g2mtesting.co.uk

UKAS TESTING
10258

Hole		BH04	Lab sample ID	G2MT2025052126
Depth (Top)	m	1.80	Test Method	BS 1377 - 2 : 1990 Clause 9.2
Depth (Base)	m		Soil Description	Slightly Silty, very Sandy, GRAVEL
Sample type		B		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
50	100		
37.5	69		
28	59		
20	52		
14	46		
10	43		
6.3	41		
5	40		
3.35	39		
2	38		
1.18	35		
0.6	27		
0.425	23		
0.3	19		
0.212	16		
0.15	13		
0.063	7		

Dry Mass of sample, g: 1336

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	62.4
Sand	30.2
Fines <0.063mm	7.0

Grading Analysis		
D100	mm	50
D60	mm	28.5
D30	mm	0.781
D10	mm	0.0943
Uniformity Coefficient		300
Curvature Coefficient		0.23

Remarks

Preparation and testing in accordance with test method unless noted below

Sample tested was deviating in accordance with BS1377 test standard (Insufficient Mass)

Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

Approved by	D Anderson
Approval date	04/06/2025 13:12

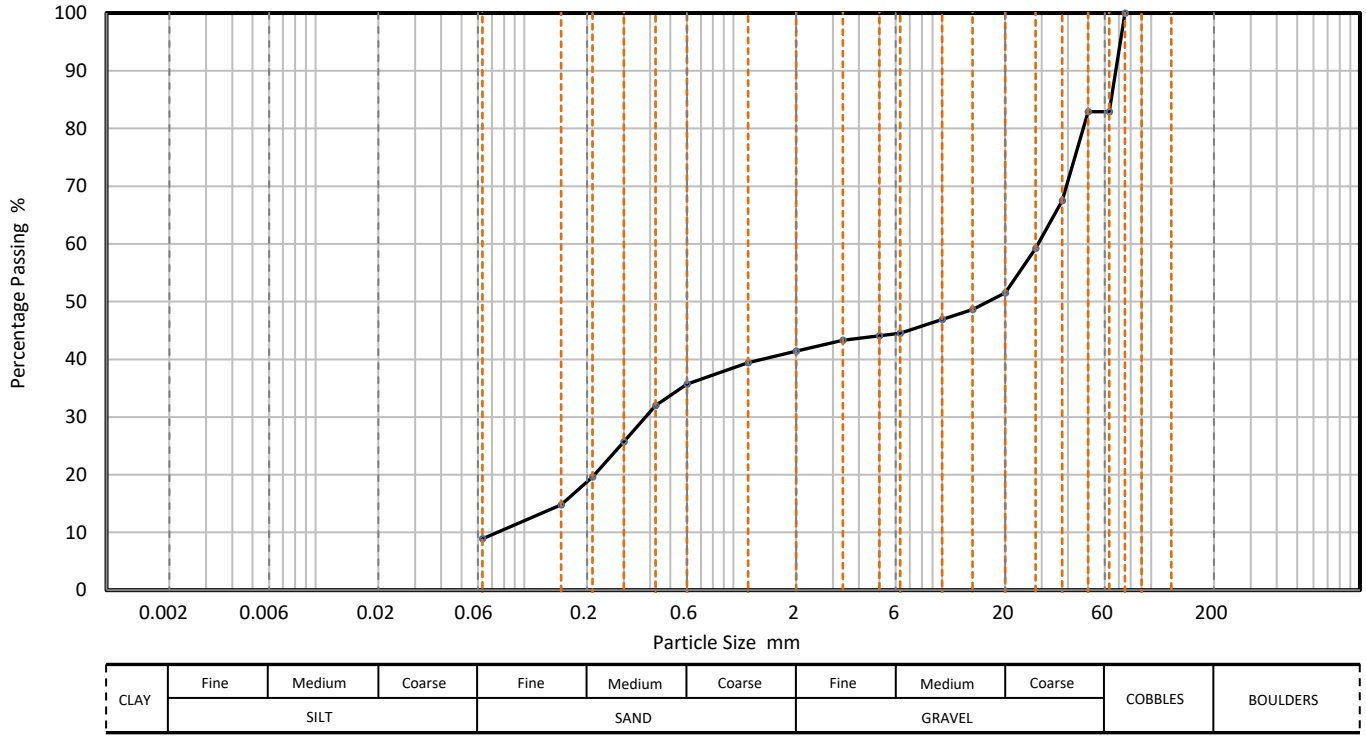
PARTICLE SIZE DISTRIBUTION

Site name	Job number
New Mills, Marsden	S250431

G2M Testing (Stockton)
12-16 Yarm Road
Stockton on Tees
TS18 3NA
01642 033318
info@g2mtesting.co.uk

UKAS TESTING
10258

Hole	BH12	Lab sample ID	G2MT2025052134
Depth (Top) m	1.80	Test Method	BS 1377 - 2 : 1990 Clause 9.2
Depth (Base) m		Soil Description	Slightly Silty, Cobbly, very Sandy, GRAVEL
Sample type	B		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
75	100		
63	83		
50	83		
37.5	68		
28	59		
20	52		
14	49		
10	47		
6.3	45		
5	44		
3.35	43		
2	41		
1.18	39		
0.6	36		
0.425	32		
0.3	26		
0.212	20		
0.15	15		
0.063	9		

Dry Mass of sample, g: 2426

Sample Proportions	% dry mass
Very coarse	17.1
Gravel	41.5
Sand	32.5
Fines <0.063mm	9.0

Grading Analysis		
D100	mm	75
D60	mm	28.8
D30	mm	0.381
D10	mm	0.0741
Uniformity Coefficient		390
Curvature Coefficient		0.068

Remarks

Preparation and testing in accordance with test method unless noted below

Sample tested was deviating in accordance with BS1377 test standard (Insufficient Mass)

Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

Approved by	D Anderson
Approval date	04/06/2025 13:45

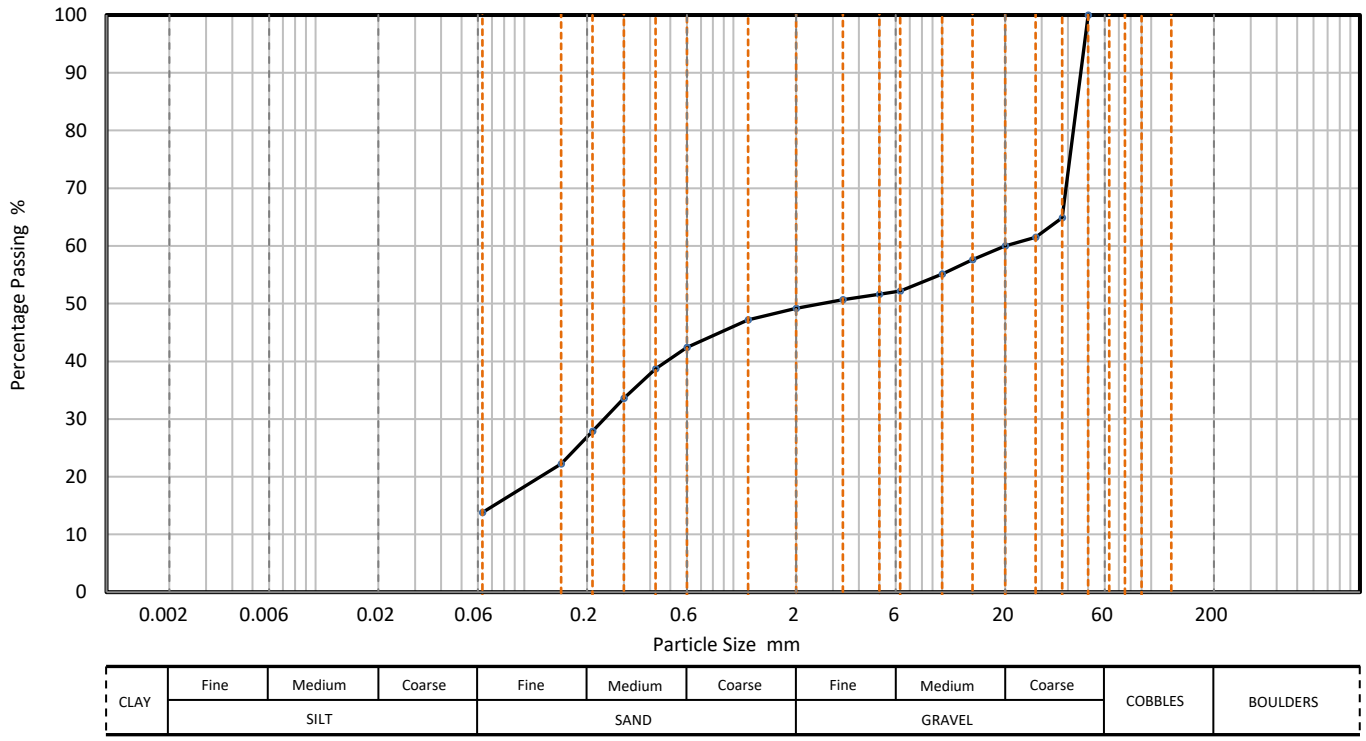
PARTICLE SIZE DISTRIBUTION

Site name	Job number
New Mills, Marsden	S250431

G2M Testing (Stockton)
12-16 Yarm Road
Stockton on Tees
TS18 3NA
01642 033318
info@g2mtesting.co.uk

UKAS TESTING 10258

Hole	BH13	Lab sample ID	G2MT2025052135
Depth (Top) m	1.80	Test Method	BS 1377 - 2 : 1990 Clause 9.2
Depth (Base) m		Soil Description	Clayey/Silty, very Sandy, GRAVEL
Sample type	B		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
50	100		
37.5	65		
28	62		
20	60		
14	58		
10	55		
6.3	52		
5	52		
3.35	51		
2	49		
1.18	47		
0.6	42		
0.425	39		
0.3	34		
0.212	28		
0.15	22		
0.063	14		

Dry Mass of sample, g	1662

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	50.8
Sand	35.4
Fines <0.063mm	14.0

Grading Analysis		
D100	mm	50
D60	mm	20.1
D30	mm	0.241
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

Preparation and testing in accordance with test method unless noted below

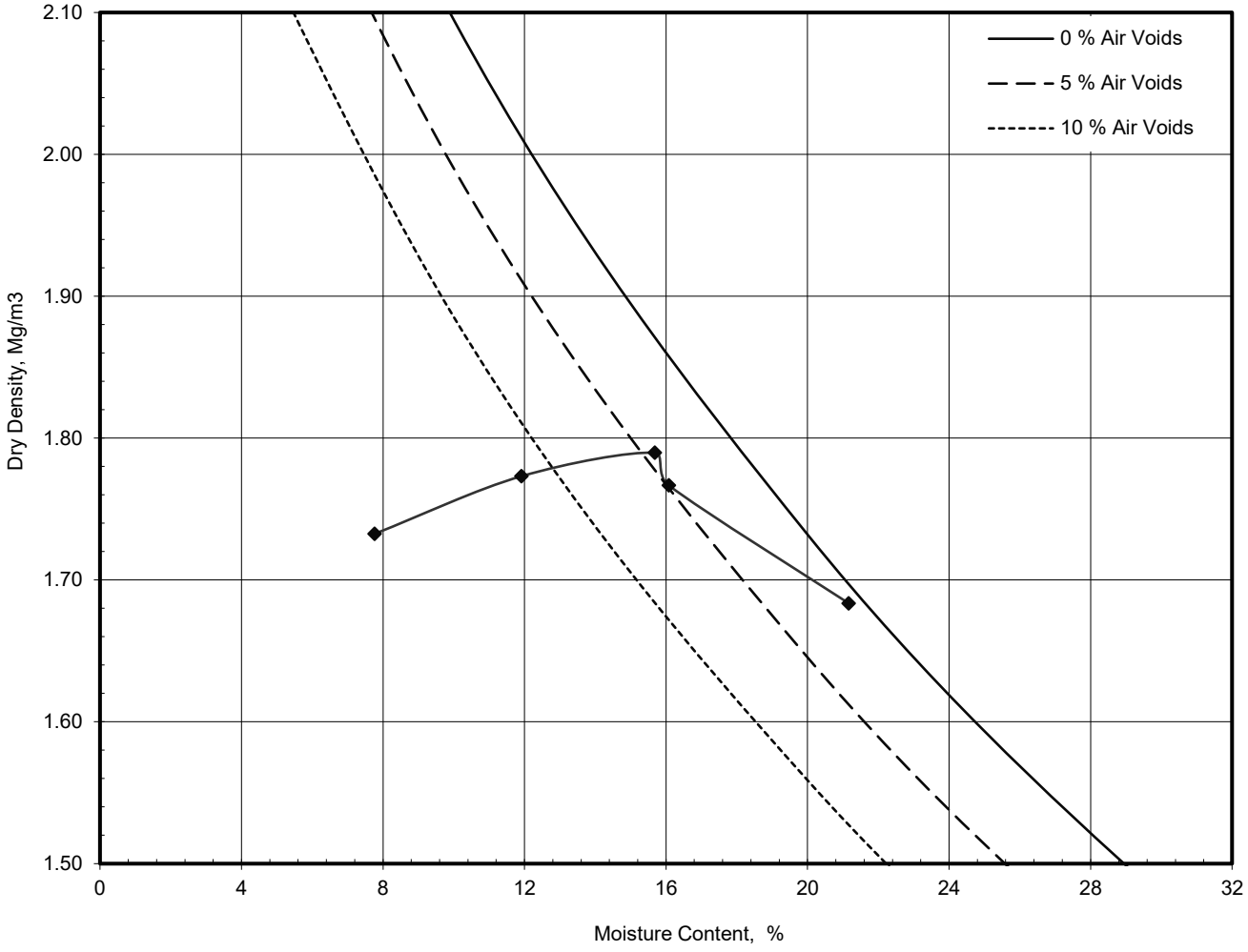
Sample tested was deviating in accordance with BS1377 test standard (Insufficient Mass)

Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

Approved by	D Anderson
Approval date	04/06/2025 13:47

UKAS TESTING 10258	**Dry Density / Moisture Content Relationship Light Compaction**				Job Ref	**S250431**
					Borehole / Pit No	BH04
Site Name	**New Mills, Marsden**				Sample No	
Soil Description					Depth	0.20 m
Specimen Ref.	1	Specimen Depth	0.2	m	Sample Type	B
Test Method	BS1377:Part 4:1990, clause 3.4, 2.5kg rammer				Keylab ID	G2MT2025052124
					Compaction Test Reference/No.	

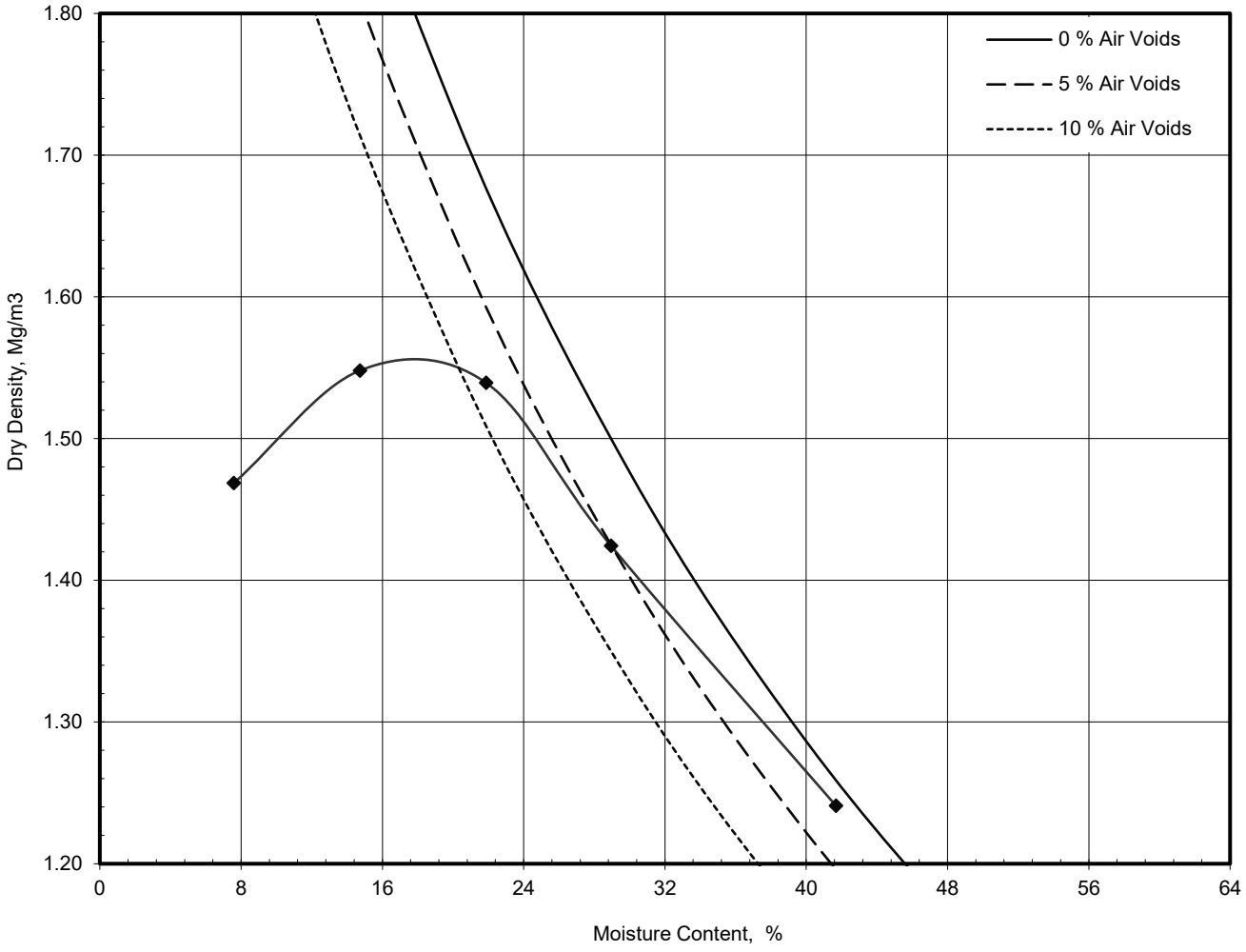


Mould Type		CBR
Samples Used		Single sample tested
Material Retained on 37.5 mm Sieve	%	3
Material Retained on 20.0 mm Sieve	%	15
Particle Density - Assumed	Mg/m³	2.65
Natural Moisture Content	%	
Maximum Dry Density	Mg/m³	**1.79**

Optimum Moisture Content	%	**16**

Operator	Checked	Approved	Remarks	Fig
M.Southgate	D Anderson	D Anderson		Sheet 1 of 1

UKAS TESTING 10258	**Dry Density / Moisture Content Relationship Light Compaction**				Job Ref	**S250431**
					Borehole / Pit No	BH06
Site Name	**New Mills, Marsden**				Sample No	
Soil Description					Depth	0.40 m
Specimen Ref.	1	Specimen Depth	0.4	m	Sample Type	B
Test Method	BS1377:Part 4:1990, clause 3.4, 2.5kg rammer				Keylab ID	G2MT2025052127
					Compaction Test Reference/No.	



Mould Type		CBR
Samples Used		Single sample tested
Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	14
Particle Density - Assumed	Mg/m³	2.65
Natural Moisture Content	%	
Maximum Dry Density	Mg/m³	**1.55**
Optimum Moisture Content	%	**15**

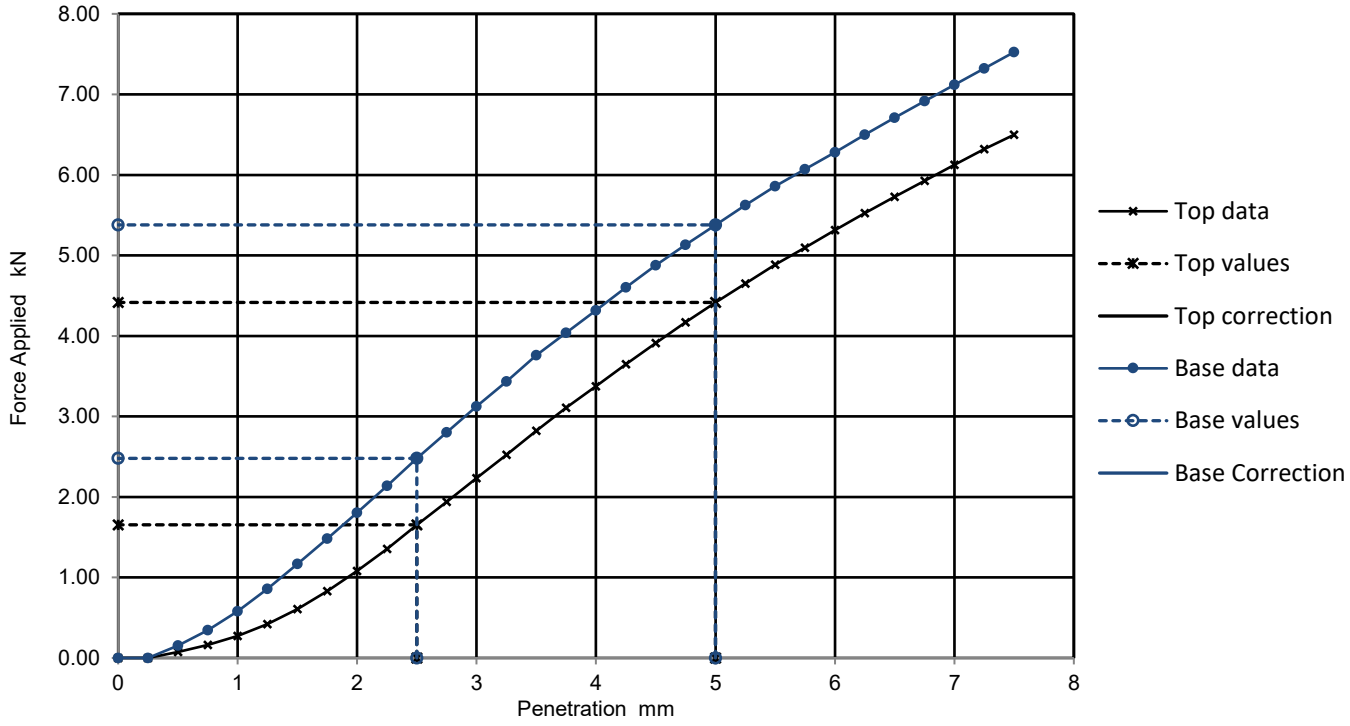
Operator	Checked	Approved	Remarks	Fig
M.Southgate	D Anderson	D Anderson		Sheet 1 of 1

	California Bearing Ratio (CBR)				Job Ref	S250431
					Borehole/Pit No.	BH04
Site Name	New Mills, Marsden				Sample No.	
Soil Description					Depth m	0.20
Specimen Reference	BH04	Specimen Depth	0.20	m	Sample Type	B
Specimen Description	Loose, Dark Brown, Gravelly, Sandy CLAY				KeyLAB ID	G2MT2025052124
Test Method	BS1377 : Part 4 : 1990, clause 7				CBR Test Number	1

Specimen Preparation

Condition	REMOULDED				Soaking details	Not soaked	
Details	Recompacted with specified standard effort using 2.5kg rammer				Period of soaking		days
					Time to surface		days
					Amount of swell recorded		mm
Material retained on 20mm sieve removed		19	%		Dry density after soaking		Mg/m3
Initial Specimen details	Bulk density	1.99	Mg/m3		Surcharge applied	2	kg
	Dry density	1.73	Mg/m3			1	kPa
	Moisture content	15.1	%				

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, % 2.5mm	5mm	Highest	Average	Moisture Content %
TOP		13.0	22.0	22.0	24.0	15.6
BASE		19.0	27.0	27.0		15.3

General remarks	Test specific remarks	Approved
		JBrischuk

Fig No.	1
Sheet No	1

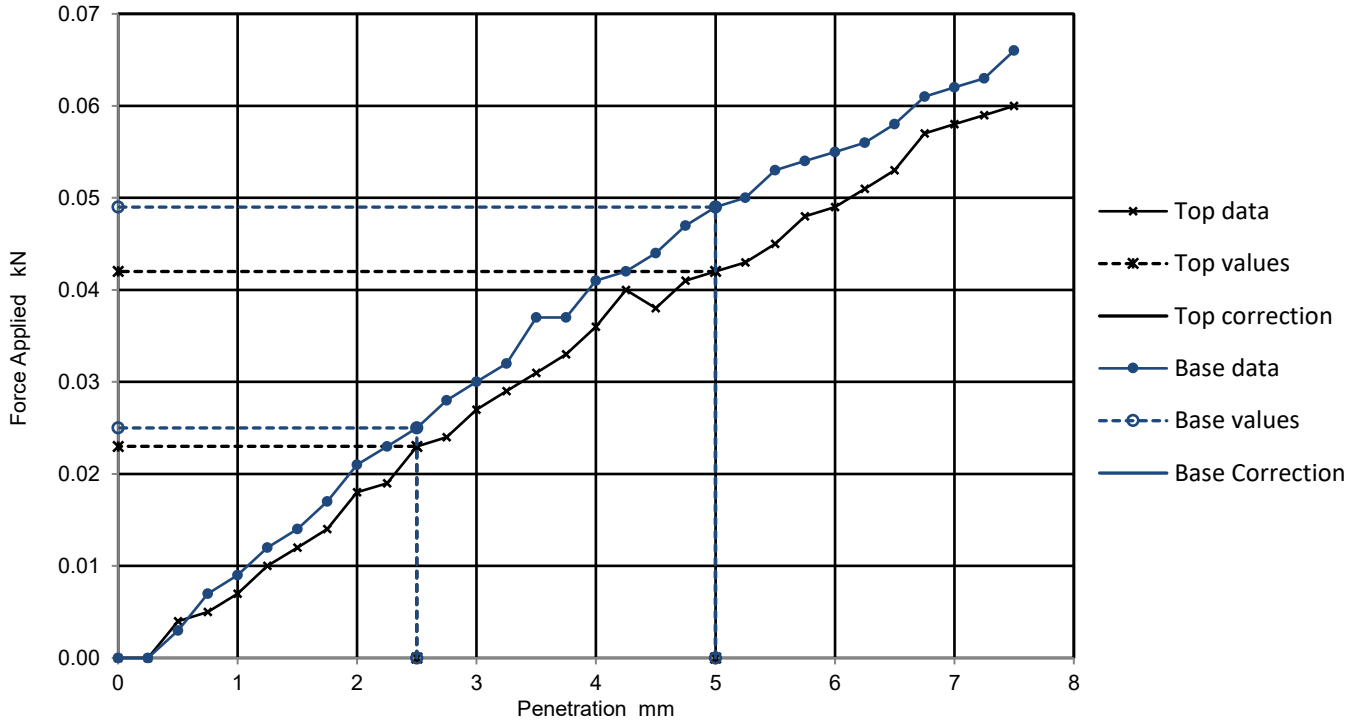
Lab Sheet Reference :

	California Bearing Ratio (CBR)				Job Ref	S250431
					Borehole/Pit No.	BH06
Site Name	New Mills, Marsden				Sample No.	
Soil Description					Depth m	0.40
Specimen Reference	BH06	Specimen Depth	0.40	m	Sample Type	B
Specimen Description	Soft, Dark Brown, Gravelly, Sandy Silty CLAY				KeyLAB ID	G2MT2025052127
Test Method	BS1377 : Part 4 : 1990, clause 7				CBR Test Number	1

Specimen Preparation

Condition	REMOULDED				Soaking details	Not soaked	
Details	Recompacted with specified standard effort using 2.5kg rammer				Period of soaking		days
					Time to surface		days
					Amount of swell recorded		mm
Material retained on 20mm sieve removed			7	%	Dry density after soaking		Mg/m3
Initial Specimen details	Bulk density		1.70	Mg/m3	Surcharge applied	2	kg
	Dry density		1.19	Mg/m3		1	kPa
	Moisture content		43.1	%			

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Moisture Content %
		2.5mm	5mm	Highest	Average	
TOP		0.2	0.2	0.2	0.2	38.3
BASE		0.2	0.3	0.3		41.4

General remarks	Test specific remarks	Approved
		JBrischuk

Fig No.	1
Sheet No	2

Lab Sheet Reference :

Summary of Rock Point Load Tests

G2M Testing (Stockton)
12-16 Yarm Road
Stockton on Tees
TS18 3NA
01642 033318
info@g2mtesting.co.uk

Site name	Job number
New Mills, Marsden	S250431

Hole	Sample			Specimen		Rock type and test condition	Test Type		Failure validity	Dimensions			Is	Is(50)	Remarks
	Depth m	Ref	Type	Depth m	Ref		Type	Dir.		W mm	D mm	D' mm	MPa	MPa	
BH01	2.60		B			Sandstone	D	L	Valid		30		0.28	0.22	
BH01	2.60		B			Sandstone	A	P	Valid	70	40		0.42	0.46	
BH10	3.40		B			Sandstone	D	L	Valid		40		0.71	0.64	
BH10	3.40		B			Sandstone	A	P	Valid	40	35		0.39	0.36	
BH13	3.10		B			Sandstone	D	L	Valid		55		0.68	0.71	
BH13	3.10		B			Sandstone	A	P	Valid	55	30		0.06	0.06	
BH14	2.00		B			Sandstone	D	L	Valid		35		0.63	0.54	
BH14	2.00		B			Sandstone	A	P	Valid	65	30		1.03	1.03	

Test not currently within the scope of G2M Testing UKAS accrediation schedule

Column	Key	Description
Test Type	A	Axial
	B	Block
	D	Diametral
	I	Irregular lump
Test Direction	L	Parallel to planes of weakness
	P	Perpendicular to planes of weakness
	U	Unknown
Dimensions	W	Width
	D	Platen seperation at start of test
	D'	Platen seperation at sample failure
	Is	Point Load Index
	Is(50)	Corrected Point Load Index to equivalent 50 mm diameter

Approved by	
Approval date	02/06/2025
Date report generated	
Report Number	

Certificate of Analysis

Certificate Number	25-11166	*Issued:*	27-May-25

Client SOLMEK
12 Yarm Road
Stockton On Tees
Cleveland
TS18 3NA

Our Reference	25-11166
Client Reference ~	S250341
Order No ~	SOL-9605/LC/S250341
Contract Title ~	New Mills, Marsden
Description	4 Soil samples.
Date Received	20-May-25
Date Started	20-May-25
Date Completed	27-May-25
Test Procedures	Identified by prefix DETSn (details on request).
Notes	Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

Approved By REDACTED

Louise Cook
Contracts Manager

2139

Summary of Chemical Analysis
Matrix Descriptions

Our Ref 25-11166
Client Ref ~ S250341
Contract Title ~ New Mills, Marsden

Sample ID	Depth	Lab No	Completed	Matrix Description
BH03	0.80-1.00	2511009	27/05/2025	Brown very gravelly, sandy CLAY
BH04	1.80-2.00	2511010	27/05/2025	Brown very gravelly, sandy CLAY
BH06	2.00-2.40	2511011	27/05/2025	Dark brown slightly clayey, very sandy GRAVEL (sample matrix outside MCERTS scope of accreditation)
BH13	1.40-1.60	2511012	27/05/2025	Dark brown gravelly, sandy CLAY

Summary of Chemical Analysis
Soil Samples

Our Ref 25-11166
Client Ref ~ S250341
Contract Title ~ New Mills, Marsden

				Deviating	Deviating	Deviating	
			Lab No	2511009	2511010	2511011	2511012
			Sample ID ~	BH03	BH04	BH06	BH13
			Depth ~	0.80-1.00	1.80-2.00	2.00-2.40	1.40-1.60
			Other ID ~				
			Sample Type ~	D	D	D	D
			Sampling Date ~	12/05/2025	12/05/2025	12/05/2025	14/05/2025
			Sampling Time ~	n/s	n/s	n/s	n/s
Test	**Method**	**LOD**	**Units**				
Inorganics							
pH	DETSC 2008#		pH	6.9	7.9	7.7	8.4
Sulphate Aqueous Extract as SO4 (2:1)	DETSC 2076#	10	mg/l	75	35	23	15

Information in Support of the Analytical Results

Our Ref 25-11166
Client Ref ~ S250341
Contract ~ New Mills, Marsden

Containers Received & Deviating Samples

Lab No	Sample ID ~	Date Sampled ~	Containers Received	Holding time exceeded for tests	Incorrect container for tests
2511009	BH03 0.80-1.00 SOIL	12/05/25	PT 1L	pH + Conductivity (7 days)	
2511010	BH04 1.80-2.00 SOIL	12/05/25	PT 1L	pH + Conductivity (7 days)	
2511011	BH06 2.00-2.40 SOIL	12/05/25	PT 1L	pH + Conductivity (7 days)	
2511012	BH13 1.40-1.60 SOIL	14/05/25	PT 1L		

Key: P-Plastic T-Tub
Normec DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 250µm sieve
Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.
The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/-2°C.

Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-
Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

Appendix A - Details of Analysis

Method	Parameter	Units	Limit of Detection	Sample Preparation	Sub-Contracted	UKAS	MCERTS
DETSC 2002	Organic matter	%	0.1	Air Dried	No	Yes	Yes
DETSC 2003	Loss on ignition	%	0.01	Air Dried	No	Yes	Yes
DETSC 2008	pH	pH Units	1	Air Dried	No	Yes	Yes
DETSC 2076	Sulphate Aqueous Extract as SO4	mg/l	10	Air Dried	No	Yes	Yes
DETSC 2084	Total Organic Carbon	%	0.5	Air Dried	No	Yes	Yes
DETSC 2119	Ammoniacal Nitrogen as N	mg/kg	0.5	Air Dried	No	Yes	Yes
DETSC 2130	Cyanide free	mg/kg	0.1	Air Dried	No	Yes	Yes
DETSC 2130	Cyanide total	mg/kg	0.1	Air Dried	No	Yes	Yes
DETSC 2130	Phenol - Monohydric	mg/kg	0.3	Air Dried	No	Yes	Yes
DETSC 2130	Thiocyanate	mg/kg	0.6	Air Dried	No	Yes	Yes
DETSC 2301	Arsenic	mg/kg	0.2	Air Dried	No	Yes	Yes
DETSC 2301	Barium	mg/kg	1.5	Air Dried	No	Yes	Yes
DETSC 2301	Beryllium	mg/kg	0.2	Air Dried	No	Yes	Yes
DETSC 2301	Cadmium Available	mg/kg	0.1	Air Dried	No	Yes	Yes
DETSC 2301	Cadmium	mg/kg	0.1	Air Dried	No	Yes	Yes
DETSC 2301	Cobalt	mg/kg	0.7	Air Dried	No	Yes	Yes
DETSC 2301	Chromium	mg/kg	0.15	Air Dried	No	Yes	Yes
DETSC 2301	Copper	mg/kg	0.2	Air Dried	No	Yes	Yes
DETSC 2301	Manganese	mg/kg	20	Air Dried	No	Yes	Yes
DETSC 2301	Molybdenum	mg/kg	0.4	Air Dried	No	Yes	Yes
DETSC 2301	Nickel	mg/kg	1	Air Dried	No	Yes	Yes
DETSC 2301	Lead	mg/kg	0.3	Air Dried	No	Yes	Yes
DETSC 2301	Selenium	mg/kg	0.5	Air Dried	No	Yes	Yes
DETSC 2301	Zinc	mg/kg	1	Air Dried	No	Yes	Yes
DETSC 2311	Boron (water soluble)	mg/kg	0.2	Air Dried	No	Yes	Yes
DETSC 2321	Total Sulphate as SO4	%	0.01	Air Dried	No	Yes	Yes
DETSC 2325	Mercury	mg/kg	0.05	Air Dried	No	Yes	Yes
DETSC 3049	Sulphur (free)	mg/kg	0.75	As Received	No	Yes	Yes
DETSC 3072	Ali/Aro C10-C35	mg/kg	10	As Received	No	Yes	Yes
DETSC 3072	Aliphatic C10-C12	mg/kg	1.5	As Received	No	Yes	Yes
DETSC 3072	Aliphatic C10-C35	mg/kg	10	As Received	No	Yes	Yes
DETSC 3072	Aliphatic C12-C16	mg/kg	1.2	As Received	No	Yes	Yes
DETSC 3072	Aliphatic C16-C21	mg/kg	1.5	As Received	No	Yes	Yes
DETSC 3072	Aliphatic C21-C35	mg/kg	3.4	As Received	No	Yes	Yes
DETSC 3072	Aromatic C10-C12	mg/kg	0.9	As Received	No	Yes	Yes
DETSC 3072	Aromatic C10-C35	mg/kg	10	As Received	No	Yes	Yes
DETSC 3072	Aromatic C12-C16	mg/kg	0.5	As Received	No	Yes	Yes
DETSC 3072	Aromatic C16-C21	mg/kg	0.6	As Received	No	Yes	Yes
DETSC 3072	Aromatic C21-C35	mg/kg	1.4	As Received	No	Yes	Yes
DETSC 3303	Acenaphthene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Acenaphthylene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(a)pyrene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(a)anthracene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(b)fluoranthene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(k)fluoranthene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(g,h,i)perylene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Dibenzo(a,h)anthracene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Fluoranthene	mg/kg	0.03	As Received	No	Yes	Yes

Appendix A - Details of Analysis

Method	Parameter	Units	Limit of Detection	Sample Preparation	Sub-Contracted	UKAS	MCERTS
DETSC 3303	Indeno(1,2,3-c,d)pyrene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Naphthalene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Phenanthrene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Pyrene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3311	C10-C24 Diesel Range Organics (DRO)	mg/kg	10	As Received	No	Yes	Yes
DETSC 3311	C24-C40 Lube Oil Range Organics (LORO)	mg/kg	10	As Received	No	Yes	Yes
DETSC 3311	EPH (C10-C40)	mg/kg	10	As Received	No	Yes	Yes
DETSC 3321	Benzene	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3321	Ethylbenzene	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3321	Toluene	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3321	Xylene	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3321	m+p Xylene	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3321	o Xylene	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 28 + PCB 31	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 52	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 101	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 118	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 153	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 138	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 180	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB Total	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3521	Ali/Aro C10-C35	mg/kg	10	As Received	No	Yes	Yes
DETSC 3521	Aliphatic C10-C12	mg/kg	1.5	As Received	No	Yes	Yes
DETSC 3521	Aliphatic C10-C35	mg/kg	10	As Received	No	Yes	Yes
DETSC 3521	Aliphatic C12-C16	mg/kg	1.2	As Received	No	Yes	Yes
DETSC 3521	Aliphatic C16-C21	mg/kg	1.5	As Received	No	Yes	Yes
DETSC 3521	Aliphatic C21-C35	mg/kg	3.4	As Received	No	Yes	Yes
DETSC 3521	Aromatic C10-C12	mg/kg	0.9	As Received	No	Yes	Yes
DETSC 3521	Aromatic C10-C35	mg/kg	10	As Received	No	Yes	Yes
DETSC 3521	Aromatic C12-C16	mg/kg	0.5	As Received	No	Yes	Yes
DETSC 3521	Aromatic C16-C21	mg/kg	0.6	As Received	No	Yes	Yes
DETSC 3521	Aromatic C21-C35	mg/kg	1.4	As Received	No	Yes	Yes

Method details are shown only for those determinands listed in Annex A of the MCERTS standard. Anything not included on this list falls outside the scope of MCERTS. No Recovery Factors are used in the determination of results. Results reported assume 100% recovery. Full method statements are available on request.

Appendix A - Details of Analysis

Method	Parameter	Units	Limit of Detection	Sample Preparation	Sub-Contracted	UKAS	MCERTS

Key:
~ Sample details are provided by the client and can affect the validity of the results
***** -not accredited.
# -MCERTS (accreditation only applies if report carries the MCERTS logo).
$ -subcontracted.
n/s -not supplied.
I/S -insufficient sample.
U/S -unsuitable sample.
t/f -to follow.
nd -not detected.

End of Report

APPENDIX E:
Notes on Limitations & Contamination Guidance

SOLMEK NOTES ON CONTAMINATION GUIDANCE (REF: VERSION 1/2025)

UK BACKGROUND

Environmental Protection Act 1990: Part 2A Revised Statutory Guidance (April 2012)

This revised document explains how the Local Authority should decide if land, based on a legal interpretation, is contaminated. The document replaces the previous guidance given in Annex 3 of DEFRA Circular 01/2006, issued in accordance with section 78YA of the 1990 Environmental Protection Act.

The main objectives of the Part 2A regime are to *"identify and remove unacceptable risks to human health and the environment" and* to *"seek to ensure that contaminated land is made suitable for its current use".*

Part 2A uses a risk based approach to defining contaminated land whereby the "risk" is interpreted as *"the likelihood that harm, or pollution of water, will occur as a result of contaminants in, on or under the land"* and by *"the scale and seriousness of such harm or pollution if it did occur".*

For a relevant risk to exist a contaminant, pathway and receptor linkage must be present before the land can be considered to be contaminated. The document explains that *"for a risk to exist there must be contaminants present in, on or under the land in a form and quantity that poses a hazard, and one or more pathways by which they might significantly harm people, the environment, or property; or significantly pollute controlled waters."*

A conceptual model is used to develop and communicate the risks associated with a particular site.

To determine if land is contaminated the local authority use various categories from 1 to 4. Categories 1 and 2 include *"land which is capable of being determined as contaminated land on grounds of significant possibility of significant harm to human health."*

Categories 3 and 4 *"encompass land which is not capable of being determined on such grounds".*

PRELIMINARY CONCEPTUAL MODEL

Preliminary Conceptual Models are undertaken in accordance with CIRIA C552. The Preliminary Conceptual Model assesses the consequence and the likelihood of a risk being realised to provide a risk classification, using the tables detailed below.

CONSEQUENCE OF RISK BEING REALISED (Based on C552 CIRIA, 2001)

Classification	Definition	Example
Severe	Short-term (acute) risk to human health, the environment, an element of the development or other aspect with is likely to result in *significant harm*, damage or both.	High concentrations of cyanide on the surface of an informal recreational area. Major spills of contaminants from site into controlled water. High concentrations of explosive gas in the subsurface environment that have a clear unobstructed pathway into buildings.
Moderate	Chronic damage to human health, a plausible chance that an event will occur, although the timeline is not immediate to be in the short-term.	Appreciable concentration of contamination that over the longer-term will cause significant harm i.e. high lead concentration in topsoil. Shallow mine workings that are potentially unstable but may remain in a satisfactory or stable conditions for a number of years.
Mild	Low level pollution of non-sensitive water, a feasible hazardous scenario although the timeline of such occurring can probably be considered in 10's of years.	The effect of high sulphate concentrations on structural concrete. Pollution of non-classified groundwater.
Minor	Harm, although not necessarily significant to human health, or with respect to other aspects of the development, which are considered implausible in terms of occurrence, or will have little consequential impact.	The presence of contaminants at such low concentrations that protective equipment is required during site works. Any damage to structures is minimal and will not be structural in characteristics.

PROBABILITY OF RISK BEING REALISED (C552 CIRIA, 2001)

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

RISK CLASSIFICATION MATRIX (C552 CIRIA, 2001)

Risk = Probability x Consequence		Consequence			
		Severe	Moderate	Mild	Minor
Probability	High likelihood	Very high risk	High risk	Moderate risk	Moderate/low risk
	Likely	High risk	Moderate risk	Moderate/low risk	Low risk
	Low likelihood	Moderate risk	Moderate/low risk	Low risk	Very low risk
	Unlikely	Moderate/low risk	Low risk	Very low risk	Very low risk

HUMAN RECEPTORS

Human exposure to contaminants present in soils can occur via several pathways. Direct exposure pathways include dermal absorption after contact with contaminated ground, inhalation of soil or dust, inhalation of volatised compounds, and inadvertent soil ingestion (or deliberate soil ingestion in the case of some children). Other indirect pathways include human ingestion of plants grown in contaminated soil or contaminated ground or surface water. Contaminants associated with wind blown dust can affect humans on surrounding sites.

VEGETATION

Plants can be affected by soil contamination in a number of ways resulting in growth inhibition, nutrient deficiencies and yellowing of leaves. Contaminants are taken up by plants through the roots and through foliage. Contaminants identified as being highly phytotoxic include boron, cadmium, copper, lead, nickel, and zinc.

To establish if the levels of contaminants present on a site may pose a risk to vegetation the results of the contamination testing are compared to a series of threshold values published in 'Code of Good Agricultural Practice for the Protection of Soil'.

GROUNDWATER AND SURFACE WATER RECEPTORS

The principal pathway by which soil contamination may reach the water environment is through a slow seepage or leaching to groundwater or surface water. The potential for contaminants to migrate along such pathways is dependent on the chemical and physical characteristics of the contaminants and the local hydrogeology. Surface watercourses may also accumulate contamination as contaminated sediments are deposited within the water body.

Where the site investigated overlies major/principal aquifers (and in some cases minor/secondary aquifers depending on certain conditions), groundwater Source Protection Zones and areas in close proximity to groundwater abstractions, contamination test results have been compared with the Water Supply (Water Quality) Regulations 1989 and The Water Supply (Water Quality) Regulations 2000.

Should a surface water receptor, such as a fresh water environment (river, canal, stream, lake etc), or marine environment be considered sensitive in relation to a site, then test results are compared with DEFRA & SEPA Environmental Quality Standards (2004). Many of the Environmental Quality Standards are hardness ($CaCO_3$) depended. Where no hardness values are available, Solmek assume conservative values (of between 0 and 50mg/l).

In the absence of vulnerable ground and surface water environments, Solmek may compare any test results with the Environment Agency Leachate Quality Threshold Values.

DETAILED QUANTITATIVE RISK ASSESSMENT (DQRA)

In line with Environment Agency's guidance document Environment Agency *Land Contamination Risk Management*, which replaced the now-withdrawn *Contaminated Land Report 11 – Model Procedures for the Management of Land Contamination (2004)*, a DQRA for groundwater/human health may be required following a Phase 2 investigation and before the preparation of a Phase 3 Remediation Strategy. For human health DQRA, a site specific assessment criteria is undertaken using CLEA Software Version 1.06. For groundwater DQRA, the Environment Agency Remedial Targets Worksheet Version 3.1 is used.

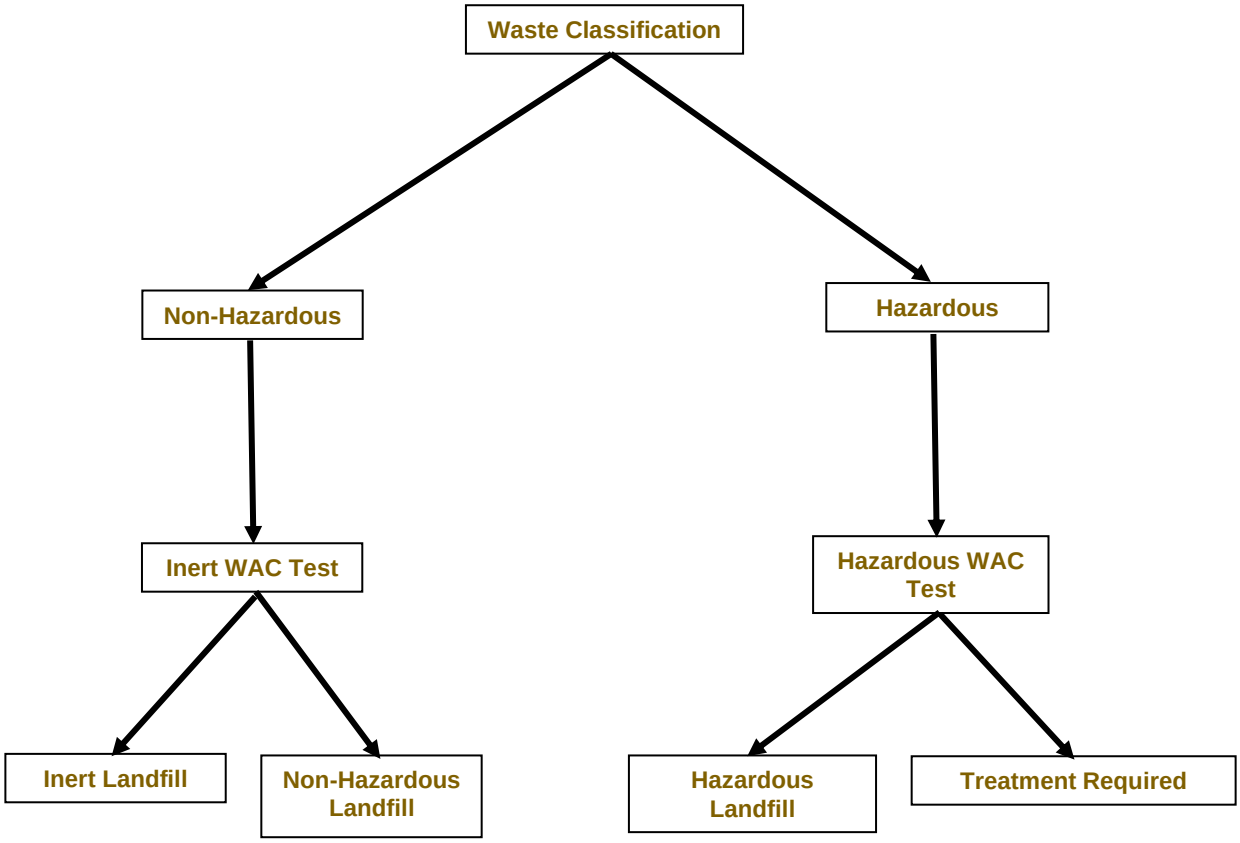
WASTE CLASSIFICATION AND WASTE ACCEPTANCE CRITERIA

During the site strip and construction activities, material may be required to be removed from site. Any such material would require classification, in line with Environment Agency Technical Guidance *Waste Classification: Guidance on the classification and assessment of waste (2015)*. This would classify the material as either Non-Hazardous or Hazardous Waste.

Once the material has been classified, determining the suitable landfill for disposal is governed by landfill directive Waste Acceptance Criteria (WAC) testing, with landfills categorized as Inert Waste, Stable Non-Reactive Hazardous Waste and Hazardous Waste. The WAC testing relates to materials that are to be exported from a site/development to landfill, and do not directly relate to human health specifically. The testing results are generally presented as certificates which can be used by site owners/contractors etc, which should be presented to the accepting waste facility or waste contractor.

If waste classification and/or WAC testing are not undertaken, material taken off site may be subject to WAC testing by the appropriate waste disposal company. The decision on whether or not to accept waste, or whether further testing is required, is at the discretion of the waste disposal company.

The below flow chart provides further information on the waste classification process.



CONSTRUCTION MATERIALS

Materials at risk from possible soil contaminants include inorganic matrices such as cement and concrete and also organic material such as plastics and rubbers. Acid ground conditions and high levels of sulphates can accelerate the corrosion of building materials. Where pH and soluble sulphate analysis has been undertaken, Solmek compare the test results with the guidelines presented within BRE Special Digest 1, 2005 (3rd Edition) 'Concrete in Aggressive Ground'. Plastics and rubbers are generally used for piping and service ducts and are potentially attacked by a range of chemicals, most of which are organic, particularly petroleum based substances. Drinking water supplies can be tainted by substances that can penetrate piping and water companies enforce stringent threshold values.

The levels of potential contaminants should be compared to thresholds supplied in the UK Water Industry Research (UKWIR) publication "Guidance for the selection of Water Supply Pipes to be used in Brownfield Sites" (January 2011). A Brownfield Site is defined in the document as "Land or premises that have not previously been used or developed that may be vacant or derelict". It should be noted that Brownfield sites may not be contaminated. The guidance does not apply to Greenfield Sites however water companies may have their own assessment criteria which should be checked by the developer. The table below outlines the pipe material selection threshold concentrations.

	Pipe Material (Threshold concentrations in mg/kg)					
Parameter group	**PE**	**PVC**	**Barrier pipe (PE-AL-PE)**	**Wrapped Steel**	**Wrapped Ductile Iron**	**Copper**
Extended VOC suite by purge and trap or head space and GC-MS with TIC	0.5	0.125	Pass	Pass	Pass	Pass
+ BTEX + MTBE	0.1	0.03	Pass	Pass	Pass	Pass
SVOCs TIC by purge and trap or head space and GC-MS with TIC (aliphatic and aromatic C5-C10)	2	1.4	Pass	Pass	Pass	Pass
+ Phenols	2	0.4	Pass	Pass	Pass	Pass
+ Cresols and chlorinated phenols	2	0.04	Pass	Pass	Pass	Pass
Mineral oil C11-C20	10	Pass	Pass	Pass	Pass	Pass
Mineral oil C21-C40	500	Pass	Pass	Pass	Pass	Pass
Corrosive (Conductivity, Redox and pH)	Pass	Pass	Pass	Corrosive if pH <7 and conductivity >400µS/cm	Corrosive if pH <5, Eh not neutral and conductivity >400µS/cm	Corrosive if pH <5 or >8 and Eh positive
Specific suite identified as relevant following site investigation						
Ethers	0.5	1	Pass	Pass	Pass	Pass
Nitrobenzene	0.5	0.4	Pass	Pass	Pass	Pass
Ketones	0.5	0.02	Pass	Pass	Pass	Pass
Aldehydes	0.5	0.02	Pass	Pass	Pass	Pass
Amines	Fail	Pass	Pass	Pass	Pass	Pass

REQUIREMENTS OF PARTIES WITHIN THE DEVELOPMENT PROCESS

Interested parties involved in the development process may use the data in different ways and there may be varying views and interpretation of the factual data. Local Authority staff may have a view on contamination and human health and the wider environment. The Environment Agency are concerned principally with the protection of Controlled waters. Building insurers, funders and purchasers may be primarily concerned with issues of potential commercial blight. Purchasers are also not always fully informed, and perceptions on issues associated with risk can affect the decision to purchase. Developers and construction organisations will focus on financial aspects of dealing with the contamination in the context of the development and construction programme.

RISKS & LIABILITIES FROM CONTAMINATION

In simple terms, risks associated with contamination may be considered in terms of 1) statutory risks and 2) development related risks. If contamination is severe or forms a potential hazard based on its potential to affect groundwater, surface water or human health, a statutory risk may be present, and as such, if the risk is not reduced, criminal proceedings may be instigated by a government body or local authority.

If the contamination is less severe or not considered to be mobile, it may be considered a commercial liability which could, in theory remain untreated, but which may at a later date affect the value of the property, or, with changing legislation, become a statutory risk. Commercial liabilities could give rise to civil proceedings by third parties if there are grounds for action.

♣Solmek conditions of offer, notes on limitations & basis for contract (ref: version1/2025)

These conditions accompany our tender and supercede any previous conditions issued. Solmek will prepare a report solely for the use of the Client (the party invoiced) and its agent(s). No reliance should be placed on the contents of this report, in whole or in part by 3rd parties. The report, its content and format and associated data are copyright, and the property of Solmek. Photocopying of part or all of the contents, transfer or reproduction of any kind is forbidden without written permission from Solmek. A charge may be levied against such approval, the same to be made at the discretion of Solmek.

Solmek cannot be held liable and do not warrant, or otherwise guarantee the validity of information provided by third parties and subsequently used in our reports. Solmek are not responsible for the action negligent of otherwise of subcontractors or third parties.

Site investigation is a process of sampling. The scope and size of an investigation may be considered proportional to levels of confidence regarding the ground and groundwater conditions. The exploratory holes undertaken investigate only a small volume of the ground in relation to the overall size of the site, and can only provide a general indication of site conditions. The opinions provided and recommendations given in this report are based on the ground conditions as encountered within each of the exploratory holes. There may be different ground conditions elsewhere on the site which have not been identified by this investigation and which therefore have not been taken into account in this report. Reports are generally subject to the comments of the local authority and Environment Agency. The comments made on groundwater conditions are based on observations made at the time that site work was carried out. It should be noted that mobile contamination, ground gas levels and groundwater levels may vary owing to seasonal, tidal and/or weather related effects. Solmek cannot be held liable for any unrecorded or unforeseen obstructions between exploratory boreholes and trial pits. This includes instances where previous structures on the site (buried man made structures) or the presence of boulder clay (cobbles and/or boulder obstructions) have been anticipated. All types of piling operations should make allowance for obstructions within the construction budget to accommodate this. Unrecorded ancient mining may occur anywhere where seams that have been worked and influence the rock and soil above. Dissolution cavities can occur where gypsum or chalk is present. Rotary drilling is the recommended technique to prove the integrity of the rock.

Where the scope of the investigation is limited via access to information, time constraints, equipment limitations, testing, interpretation or by the client or his agents budgetary constraints, elements not set out in the proposal and excluded from the report are deemed to be omitted from the scope of the investigation.

Desk studies are generally prepared in accordance with RICS guidelines. Environmental site investigations are generally undertaken as 'exploratory investigations' in accordance with the definitions provided in paragraph 5.4 of BS 10175:2011 in order to confirm the conceptual assumptions. You are advised to familiarize yourself with the typical scope of such an investigation. No pumping of water will be undertaken unless a licence or facilities/equipment have been arranged by others.

Where the type, number or/and depth of exploratory hole is specified by others, Solmek cannot and will not be responsible for any subsequent shortfall or inadequacy in data, and any consequent shortfall in interpretation of environmental and geotechnical aspects which may be required at a later date in order to facilitate the design of permanent or temporary works.

All information acquired by Solmek in the course of investigation is the property of Solmek, and, only also becomes the joint property of the Client only on the complete settlement of all invoices relating to the project. Solmek reserve the right to use the information in commercial tendering and marketing, unless the Client expressly wishes otherwise in writing. The quoted rates do not include VAT, and payment terms are 30 days from dispatch of invoice from our offices. Quotes are subject to a site visit.

We have allowed for 1 mobilisation and normal working hours unless otherwise stated. The scope of the investigation may be reviewed following the desk study and/or fieldwork. The presence or otherwise of Japanese Knotweed or other invasive plants can be difficult to identify especially during winter months. If Japanese Knotweed or other invasive species are suspect, it should be confirmed by an ecologist. We have not allowed for acquiring services information, and cannot be responsible for damage to underground services or pipes not shown to us or not clearly shown on plans. Costs incurred will be passed on to you, and in commissioning Solmek you understand and accept that you/your agent have a contractual relationship with Solmek & you accept this. Our rates assume unobstructed, reasonably level and firm access to the exploratory positions and adequate clear working areas and headroom. We have priced on the basis that you or your client have the necessary permissions, wayleaves and approvals to access land. All boreholes and pits are backfilled with arisings except where gas monitoring pipes are installed with stopcock covers. Solmek are not responsible for any uneven surfaces as a result of siteworks and rutting and backfilled excavations may require re-levelling and/or making good by others after fieldwork is complete, and Solmek has not allowed for this. No price has been provided or requested for a return visit to remove pipework and covers. Hourly rates apply to consultancy only and do not include expenses unless otherwise shown. If warranties are required, legal costs incurred will be passed on to you assuming Solmek agree to complete such warranties, modified or otherwise and you understand and agree to pay all costs.

We reserve the right to pursue full payment of the invoice prior to release of any information including reports. We advise you/your client that we may elect to pursue our statutory rights under late payment legislation, and will apply 8% to the base rate for unreasonably late payments. Solmek are exempt from the CIS Scheme. Solmek offer to undertake work only in strict accordance with conditions covered by our current insurances, which are available for inspection. Solmek are not responsible for acts, negligent or otherwise of subcontractors and as a matter of policy cannot indemnify any other parties. Professional indemnity Insurance is limited to ten times the invoice net total except where stated otherwise by Solmek. Solmek give notice that consequential loss as a direct or indirect result of Solmek's activities or omission of the same are excluded.