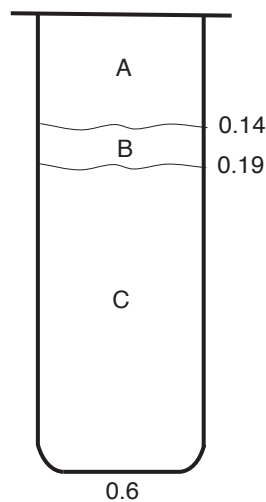


Site: FACTORY UNITS, 23 WOOD STREET, HINCKLEY, LEICESTERSHIRE LE10 1JQ

Job No.	Date	Ground Level (c.m, AOD)	Co-Ordinates (c.)
5435	28-11-24	134m	E 443,025 N 294,029



DETAILS OF SUBSOIL

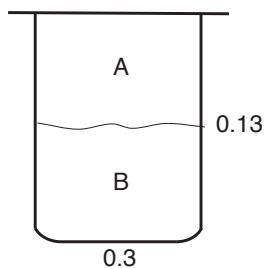
- A MADE GROUND: black TARMACADAM
- B MADE GROUND: probable loose to medium dense brown gravelly medium sand (sub-base). Gravel is quartzite
- C CLAY: probable soft brown, plastic, slightly gravelly CLAY. Gravel is of chert

NOTES



Site: FACTORY UNITS, 23 WOOD STREET, HINCKLEY, LEICESTERSHIRE LE10 1JQ

Job No.	Date	Ground Level (c.m, AOD)	Co-Ordinates (c.)
5435	28-11-24	134m	E 443,069 N 294,039



DETAILS OF SUBSOIL

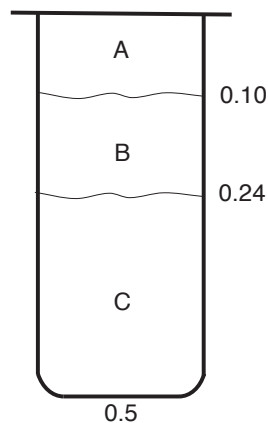
- A MADE GROUND: light grey CONCRETE slab
- B MADE GROUND: probable loose to medium dense, dark grey to black, medium gravelly SAND. Gravel is medium to coarse of brick and chert

NOTES

- 1 Pit logged from surface



Site: FACTORY UNITS, 23 WOOD STREET, HINCKLEY, LEICESTERSHIRE LE10 1JQ			
Job No. 5435	Date 28-11-24	Ground Level (c.m, AOD) 135m	Co-Ordinates (c.) E 443,039 N 294,040

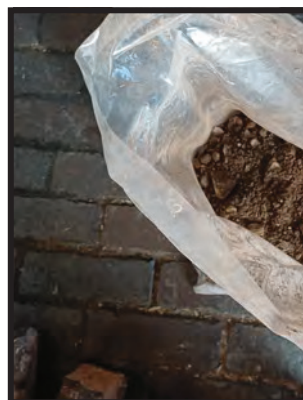


DETAILS OF SUBSOIL

- A MADE GROUND: brick paving
- B MADE GROUND: reinforced CONCRETE ground slab
- C MADE GROUND: probable loose to medium dense, dark grey to black, medium gravelly SAND. Gravel is medium to coarse of brick and chert

NOTES

- 1 Pit logged from surface





APPENDIX 3

CONTAMINATION
STATUTORY FRAMEWORK / METHODOLOGY
AND
CERTIFIED CONTAMINATION TEST RESULTS



A3 CONTAMINATION RISK ASSESSMENT

Statutory Framework

A3.1 Part 2A of the Environmental Protection Act 1990 (inserted by Section 62 of the Environment Act 1995) provides a regime for the control of specific threats to the environment from existing land contamination. In accordance with the statutory guidance document on the Contaminated Land (England) 2000, the definition of contaminated land is intended to embody the outcome of a risk assessment. Within the meaning of the Act, land is only 'contaminated' if it appears to the regulatory authority to be in such a condition, by reason of substances within or under the land, that:

- harm is being caused or has significant possibility of significant harm to human health, or
- pollution is being caused or has significant possibility of significant pollution caused to controlled waters.

A3.2 In 2012 revised Statutory Guidance for Part 2A of the Environmental Protection Act (1990) came into force for England and Wales. This introduced a new approach for classifying land affected by contamination to assist regulators in cases of Significant Possibility of Significant Harm (SPOSH) to receptors, including humans, and significant pollution of controlled waters.

Category 1 describes land which is clearly problematic e.g. because significant harm is known to have caused a significant problem in the past. The legal definition is "there is an unacceptably high probability, supported by robust scientific evidence, that significant harm would occur if no action is taken to stop it."

Categories 2 and 3 cover land where detailed consideration is needed in deciding whether it may be contaminated land. Category 2 is defined as land where there is a possibility of significant harm to receptors, including humans, and significant pollution of controlled waters.



Category 4 describes land that is clearly not contaminated land, where the level or risk posed is low.

A3.3 This same 4 category system has also been introduced to assist in identifying land where there is a significant possibility of significant pollution of controlled waters. The system states that normal levels of contaminants in soil should not be considered as a reason for land to qualify as contaminated land, unless there is a particular reason to believe otherwise.

A3.4 Once land has been determined as contaminated land, the enforcing authority must consider how it should be remediated and, where appropriate, it may issue a remediation notice to require such remediation. The enforcing authority for the purposes of remediation may be the local authority which determined the land was contaminated. The Environment Agency which takes on responsibility once land has been deemed to be a "special site". The rules on what land is to be a special site, and various rules on the issuing of remediation notices, are set out in the Contaminated Land (England) Regulations 2006.

A3.5 The UK guidance on the assessment of land contamination has developed as a result of the introduction of the above two Acts. The current technical guidance supporting the legislation has been summarised in the document Land Contamination Risk Management (LCRM), originally published in October 2020 by the Environment Agency (EA).

Contamination Assessment Methodology

A3.6 LCRM guidance proposes a three-stage risk based assessment process to determine if a hazard exists within a site.

- Stage 1: Risk assessment
- Stage 2: Options appraisal



potential to pose an unacceptable risk. That unacceptable risk is estimated and /or evaluated.

A3.8 Stage 1 can be achieved through a preliminary desk-based risk assessment considered appropriate, by progression to a generic or detailed quantitative assessment using appropriate intrusive investigation methods supported by accredited laboratory testing.

A3.9 Quantitative assessment of human health risk posed by ground contamination is achieved by comparison of soil concentrations with Tier 1 Suitable for Use Limit (S4UL) as published by LQM/CIEH (2015) or (in the case of the toxic metals) with a Category Four Screening Level (C4SL) published by DEFRA. The official Soil Guideline Values utilise a soil organic matter content of 1%, which is considered to be higher than typical UK soils, however three sets of S4UL/C4SL have been developed for organic matter contents of 1%, 2.5% and 6%, thus the most appropriate set is selected based upon proven site conditions.

A3.10 Contaminant concentrations below the threshold screening values are considered unlikely to warrant further risk assessment. Concentrations of contaminants above the screening values require further consideration of potential pollutant linkages. If they indicate potentially unacceptable risks to site users that warrants either further investigation or quantitative risk assessment or progression to Stage 2. It should be noted that S4UL/C4SL's are not absolute thresholds and an exceedance does not automatically indicate that a potential pollutant linkage is automatically established.

A3.11 In order to assess any risk to controlled waters posed by contamination of the underlying soils and groundwater, laboratory results are screened against the Environmental Quality Standard (EQS) values derived from the Water Framework Directive (Standards & Classification) Directions (England & Wales) 2015 and the current UK Drinking Water Supply (Water Quality) Regulations (DWQR) 2016 based upon the most vulnerable receptor. The EQS is usually an upper concentration



remediation/mitigation approach. Note that this approach is not restricted to include the adoption of as many remediation options as necessary in order to achieve the remediation objective(s).

A3.13 Stage 3 takes the chosen remediation/mitigation approach from Stage 2, which a remediation strategy 'that can be implemented in practice' is developed and agreed with the regulatory authority. Once agreed the approved remediation can take place as per the strategy, whilst still being mindful of whether the remedial strategy is working as anticipated and also for the presence of any new contamination. Subject to findings, the agreed remedial strategy may require adjustment in order to ensure that the remediation objectives(s) can be achieved.

A3.14 Upon completion of the remedial works a verification plan is produced to confirm the works undertaken and demonstrating that the risk has been reduced to an acceptable level, the remediation objective(s) and criteria have been met and that the site no longer presents a risk to human health and/or controlled waters, and therefore is considered 'suitable for use'.

Waste Classification

A3.15 In terms of controlled off-site disposal to landfill of site arisings, if/when waste classification is carried out in line with European Waste Catalogue (EWC) Technical Guidance Waste Management 3 (TGWM3, EA Version 1.2, 2002) using contamination test results obtained for that material. The assessment is carried out using the 'HazWasteOnline' software to establish a 'Hazardous' (170503*) / 'Non-hazardous' (170504) classification. Where required, the foregoing may be supported by a Waste Acceptance Criteria (WAC) analysis, in order that the waste can be designated as 'Hazardous' / 'Stable non-reactive' / 'Inert', for use by the landfill operator. It should be noted that WAC is only required for disposal to certain classes of landfill; if arisings are not intended for removal to landfill, WAC testing is not applicable.

Sample Ref		LEACHATE		WFD (Groundwater)	WFD (Fresh Surface Water)	EA EQS	UK DWS
Sample Depth (m)		WS1	TP4				
Sample of		0.08-0.42 0.20-0.60					
		MADE GROUND	SUBSOIL				
DETERMINAND (µg/l)							
TOXIC METALS	Arsenic	3.1	2.7	7.5	37.5	50	10
	Cadmium	<0.08	<0.08	3.8	0.08	0.08-0.25	5
	Chromium VI	<5.0	<5.0				
	Chromium	2.3	1.8	37.5	3.4	4.7	50
	Lead	4.5	1.5	7.5	7.2	7.2	10
	Mercury	<0.5	<0.5	0.8	0.07	0.07	1
	Nickel	3	2.1	15	<1	20	20
PHYTOTOXIC METALS	Selenium	<4.0	<4.0	75			10
	Copper	10	11	1,500	1	1-28	2,000
	Zinc	9.4	8.4		12.3	8-125	5,000
SPECIATED POLYAROMATIC HYDROCARBONS (PAH)	Total PAH	0.32	0.39				
	Naphthalene	0.09	0.12	0.075	103-4.24	2.4	0.1
	Acenaphthylene	0.01	0.01				0.1
	Acenaphthene	0.03	0.06				0.1
	Fluorene	0.04	0.06				0.1
	Phenanthrene	0.1	0.13				0.1
	Anthracene	<0.01	<0.01		0.052-0.193		0.1
	Fluoranthene	0.03	<0.01	0.075	0.0033-0.0122		0.1
	Pyrene	0.03	<0.01				0.1
	Benzo(a)anthracene	<0.01	<0.01				0.1
	Chrysene	<0.01	<0.01				0.1
	Benzo(b)fluoranthene	<0.01	<0.01		0.016-0.058	0.03	0.1
	Benzo(k)fluoranthene	<0.01	<0.01			0.03	0.1
	Benzo(a)pyrene	<0.01	<0.01		0.00089-0.000328	0.05	0.01
	Indeno(1,2,3-cd)pyrene	<0.01	<0.01				0.1
	Dibenz(a,h)anthracene	<0.01	<0.01			Sum of = 0.002	0.1
	Benzo(ghi)perylene	<0.01	<0.01				0.1



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Analytical Report Number : 24-057966

Replaces Analytical Report Number: 24-057966, issue no. 1
Additional analysis undertaken.

Asbestos Quantification added to sample 400763 as per client's request.

Project / Site name:	Hinckley	Samples received on:	29/11/2024
Your job number:	5435	Samples instructed on/ Analysis started on:	09/12/2024
Your order number:	5435 BK	Analysis completed by:	20/12/2024
Report Issue Number:	2	Report issued on:	23/12/2024
Samples Analysed:	11 soil samples - 2 leachate samples		

Signed: 

Rachel Chappell
Key Account Manager
For & on behalf of i2 Analytical Ltd

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

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

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

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting



Analytical Report Number: 24-057966
Project / Site name: Hinckley
Your Order No: 5435 BK

Lab Sample Number				400754	400755	400756	400757
Sample Reference				WS1	WS2	WS3	WS4
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A
Depth (m)				0.08-0.42	0.30-0.60	0.30-0.60	0.30-0.60
Date Sampled				28/11/2024	28/11/2024	28/11/2024	28/11/2024
Time Taken				0830	0900	1000	1030
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status				

Stone Content	%	0.1	NONE	< 0.1	34.9	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	17	7.7	14	12
Total mass of sample received	kg	0.1	NONE	0.9	0.9	0.9	0.9

Asbestos

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

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	-
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General Inorganics

Organic Matter (automated)	%	0.1	MCERTS	1.5	-	-	1.6
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.3	0.09	< 0.05	0.05
Anthracene	mg/kg	0.05	MCERTS	0.12	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.7	0.23	0.1	0.12
Pyrene	mg/kg	0.05	MCERTS	0.64	0.24	0.09	0.11
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.27	< 0.05	0.08
Chrysene	mg/kg	0.05	MCERTS	0.55	0.22	0.11	0.07
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.62	0.29	0.1	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.19	0.13	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.46	0.22	0.06	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.19	0.09	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.06	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.22	0.17	0.06	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	4.11	1.94	< 0.80	< 0.80
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Analytical Report Number: 24-057966
Project / Site name: Hinckley
Your Order No: 5435 BK

Lab Sample Number				400754	400755	400756	400757
Sample Reference				WS1	WS2	WS3	WS4
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A
Depth (m)				0.08-0.42	0.30-0.60	0.30-0.60	0.30-0.60
Date Sampled				28/11/2024	28/11/2024	28/11/2024	28/11/2024
Time Taken				0830	0900	1000	1030
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status				
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	0.6	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	17	23	23	19
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	66	130	100	140

Petroleum Hydrocarbons

TPH (>EC6 - EC8) HS_ID_TOTAL	mg/kg	0.01	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
TPH (>EC8 - EC10) HS_ID_TOTAL	mg/kg	0.02	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02
TPH (>EC10 - EC12) EH_CU_ID_TOTAL	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0
TPH (>EC12 - EC16) EH_CU_ID_TOTAL	mg/kg	4	MCERTS	< 4.0	< 4.0	< 4.0	< 4.0
TPH (>EC16 - EC21) EH_CU_ID_TOTAL	mg/kg	10	MCERTS	< 10	11	< 10	< 10
TPH (>EC21 - EC40) EH_CU_ID_TOTAL	mg/kg	10	MCERTS	11	31	< 10	< 10

TPH Total >EC6 - EC40 EH_CU+HS_ID_TOTAL	mg/kg	10	NONE	15	42	< 10	< 10
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Petroleum Range Organics (EC6 - EC10) HS_ID_TOTAL	mg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0
TPH (EC10 - EC40) EH_CU_ID_TOTAL	mg/kg	10	MCERTS	15	42	< 10	< 10

VOCs

Chloromethane	µg/kg	5	MCERTS	-	-	-	-
Chloroethane	µg/kg	5	MCERTS	-	-	-	-
Bromomethane	µg/kg	5	MCERTS	-	-	-	-
Vinyl Chloride	µg/kg	5	NONE	-	-	-	-
Trichlorofluoromethane	µg/kg	5	MCERTS	-	-	-	-
1,1-Dichloroethene	µg/kg	5	MCERTS	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	-	-	-	-
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	-	-	-	-
1,1-Dichloroethane	µg/kg	5	MCERTS	-	-	-	-
2,2-Dichloropropane	µg/kg	5	NONE	-	-	-	-
Chloroform	µg/kg	5	MCERTS	-	-	-	-
1,1,1-Trichloroethane	µg/kg	5	MCERTS	-	-	-	-
1,2-Dichloroethane	µg/kg	7	MCERTS	-	-	-	-
1,1-Dichloropropene	µg/kg	5	MCERTS	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	-	-	-	-
Benzene	µg/kg	5	MCERTS	-	-	-	-
Carbontetrachloride	µg/kg	5	MCERTS	-	-	-	-
1,2-Dichloropropane	µg/kg	6	MCERTS	-	-	-	-
Trichloroethene	µg/kg	10	MCERTS	-	-	-	-
Dibromomethane	µg/kg	5	MCERTS	-	-	-	-
Bromodichloromethane	µg/kg	5	MCERTS	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	-	-	-	-
Trans 1,3-dichloropropene	µg/kg	10	MCERTS	-	-	-	-



Analytical Report Number: 24-057966
Project / Site name: Hinckley
Your Order No: 5435 BK

Lab Sample Number				400754	400755	400756	400757
Sample Reference				WS1	WS2	WS3	WS4
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A
Depth (m)				0.08-0.42	0.30-0.60	0.30-0.60	0.30-0.60
Date Sampled				28/11/2024	28/11/2024	28/11/2024	28/11/2024
Time Taken				0830	0900	1000	1030
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status				
Ethylbenzene	µg/kg	5	MCERTS	-	-	-	-
p & m-Xylene	µg/kg	8	MCERTS	-	-	-	-
Styrene	µg/kg	5	MCERTS	-	-	-	-
Bromoform	µg/kg	5	MCERTS	-	-	-	-
o-Xylene	µg/kg	5	MCERTS	-	-	-	-
Isopropylbenzene	µg/kg	5	MCERTS	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	NONE	-	-	-	-
Bromobenzene	µg/kg	5	MCERTS	-	-	-	-
n-Propylbenzene	µg/kg	5	MCERTS	-	-	-	-
2-Chlorotoluene	µg/kg	5	MCERTS	-	-	-	-
4-Chlorotoluene	µg/kg	5	MCERTS	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	-	-	-	-
tert-Butylbenzene	µg/kg	5	MCERTS	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	-	-	-	-
sec-Butylbenzene	µg/kg	5	MCERTS	-	-	-	-
1,3-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-
p-Isopropyltoluene	µg/kg	5	MCERTS	-	-	-	-
1,4-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-
1,2-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-
Butylbenzene	µg/kg	5	MCERTS	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	-	-	-	-
Hexachlorobutadiene	µg/kg	5	MCERTS	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	-	-	-	-

SVOCs

Aniline	mg/kg	0.1	NONE	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-
Hexachloroethane	mg/kg	0.05	ISO 17025	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-



Analytical Report Number: 24-057966
 Project / Site name: Hinckley
 Your Order No: 5435 BK

Lab Sample Number				400754	400755	400756	400757
Sample Reference				WS1	WS2	WS3	WS4
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A
Depth (m)				0.08-0.42	0.30-0.60	0.30-0.60	0.30-0.60
Date Sampled				28/11/2024	28/11/2024	28/11/2024	28/11/2024
Time Taken				0830	0900	1000	1030
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status				
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-
4-Nitroaniline	mg/kg	0.2	NONE	-	-	-	-
Azobenzene	mg/kg	0.3	NONE	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	NONE	-	-	-	-
Anthraquinone	mg/kg	0.3	NONE	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	-	-	-

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



Analytical Report Number: 24-057966
Project / Site name: Hinckley
Your Order No: 5435 BK

Lab Sample Number				400759	400760	400761	400762
Sample Reference				TP2	TP3	TP4	TP5
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A
Depth (m)				0.10-0.30	0.32-0.60	0.20-0.60	0.30-0.60
Date Sampled				28/11/2024	28/11/2024	28/11/2024	28/11/2024
Time Taken				1130	1200	1230	1300
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status				

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	7.1	11	14	22
Total mass of sample received	kg	0.1	NONE	0.9	0.9	0.9	0.8

Asbestos

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

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	-
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General Inorganics

Organic Matter (automated)	%	0.1	MCERTS	-	-	-	-
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.06	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.07	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	0.06	0.85	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.19	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.06	0.06	1.1	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	0.07	0.95	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.42	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.38	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	0.05	0.45	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	0.16	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.36	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.19	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.24	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	5.38	< 0.80
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Analytical Report Number: 24-057966
Project / Site name: Hinckley
Your Order No: 5435 BK

Lab Sample Number				400759	400760	400761	400762
Sample Reference				TP2	TP3	TP4	TP5
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A
Depth (m)				0.10-0.30	0.32-0.60	0.20-0.60	0.30-0.60
Date Sampled				28/11/2024	28/11/2024	28/11/2024	28/11/2024
Time Taken				1130	1200	1230	1300
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status				
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	0.4
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	12	18	25	28
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	88	130	96	120

Petroleum Hydrocarbons

TPH (>EC6 - EC8) HS_ID_TOTAL	mg/kg	0.01	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
TPH (>EC8 - EC10) HS_ID_TOTAL	mg/kg	0.02	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02
TPH (>EC10 - EC12) EH_CU_ID_TOTAL	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0
TPH (>EC12 - EC16) EH_CU_ID_TOTAL	mg/kg	4	MCERTS	< 4.0	< 4.0	< 4.0	< 4.0
TPH (>EC16 - EC21) EH_CU_ID_TOTAL	mg/kg	10	MCERTS	15	< 10	< 10	< 10
TPH (>EC21 - EC40) EH_CU_ID_TOTAL	mg/kg	10	MCERTS	240	< 10	< 10	< 10

TPH Total >EC6 - EC40 EH_CU+HS_ID_TOTAL	mg/kg	10	NONE	250	< 10	< 10	< 10
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Petroleum Range Organics (EC6 - EC10) HS_ID_TOTAL	mg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0
TPH (EC10 - EC40) EH_CU_ID_TOTAL	mg/kg	10	MCERTS	250	< 10	< 10	< 10

VOCs

Chloromethane	µg/kg	5	MCERTS	-	-	-	-
Chloroethane	µg/kg	5	MCERTS	-	-	-	-
Bromomethane	µg/kg	5	MCERTS	-	-	-	-
Vinyl Chloride	µg/kg	5	NONE	-	-	-	-
Trichlorofluoromethane	µg/kg	5	MCERTS	-	-	-	-
1,1-Dichloroethene	µg/kg	5	MCERTS	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	-	-	-	-
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	-	-	-	-
1,1-Dichloroethane	µg/kg	5	MCERTS	-	-	-	-
2,2-Dichloropropane	µg/kg	5	NONE	-	-	-	-
Chloroform	µg/kg	5	MCERTS	-	-	-	-
1,1,1-Trichloroethane	µg/kg	5	MCERTS	-	-	-	-
1,2-Dichloroethane	µg/kg	7	MCERTS	-	-	-	-
1,1-Dichloropropene	µg/kg	5	MCERTS	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	-	-	-	-
Benzene	µg/kg	5	MCERTS	-	-	-	-
Carbontetrachloride	µg/kg	5	MCERTS	-	-	-	-
1,2-Dichloropropane	µg/kg	6	MCERTS	-	-	-	-
Trichloroethene	µg/kg	10	MCERTS	-	-	-	-
Dibromomethane	µg/kg	5	MCERTS	-	-	-	-
Bromodichloromethane	µg/kg	5	MCERTS	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	-	-	-	-
Trans 1,3-dichloropropene	µg/kg	10	MCERTS	-	-	-	-



Analytical Report Number: 24-057966
Project / Site name: Hinckley
Your Order No: 5435 BK

Lab Sample Number				400759	400760	400761	400762
Sample Reference				TP2	TP3	TP4	TP5
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A
Depth (m)				0.10-0.30	0.32-0.60	0.20-0.60	0.30-0.60
Date Sampled				28/11/2024	28/11/2024	28/11/2024	28/11/2024
Time Taken				1130	1200	1230	1300
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status				
Ethylbenzene	µg/kg	5	MCERTS	-	-	-	-
p & m-Xylene	µg/kg	8	MCERTS	-	-	-	-
Styrene	µg/kg	5	MCERTS	-	-	-	-
Bromoform	µg/kg	5	MCERTS	-	-	-	-
o-Xylene	µg/kg	5	MCERTS	-	-	-	-
Isopropylbenzene	µg/kg	5	MCERTS	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	NONE	-	-	-	-
Bromobenzene	µg/kg	5	MCERTS	-	-	-	-
n-Propylbenzene	µg/kg	5	MCERTS	-	-	-	-
2-Chlorotoluene	µg/kg	5	MCERTS	-	-	-	-
4-Chlorotoluene	µg/kg	5	MCERTS	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	-	-	-	-
tert-Butylbenzene	µg/kg	5	MCERTS	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	-	-	-	-
sec-Butylbenzene	µg/kg	5	MCERTS	-	-	-	-
1,3-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-
p-Isopropyltoluene	µg/kg	5	MCERTS	-	-	-	-
1,4-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-
1,2-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-
Butylbenzene	µg/kg	5	MCERTS	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	-	-	-	-
Hexachlorobutadiene	µg/kg	5	MCERTS	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	-	-	-	-

SVOCs

Aniline	mg/kg	0.1	NONE	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-
Hexachloroethane	mg/kg	0.05	ISO 17025	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-



Analytical Report Number: 24-057966
 Project / Site name: Hinckley
 Your Order No: 5435 BK

Lab Sample Number				400759	400760	400761	400762
Sample Reference				TP2	TP3	TP4	TP5
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A
Depth (m)				0.10-0.30	0.32-0.60	0.20-0.60	0.30-0.60
Date Sampled				28/11/2024	28/11/2024	28/11/2024	28/11/2024
Time Taken				1130	1200	1230	1300
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status				
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-
4-Nitroaniline	mg/kg	0.2	NONE	-	-	-	-
Azobenzene	mg/kg	0.3	NONE	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	NONE	-	-	-	-
Anthraquinone	mg/kg	0.3	NONE	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	-	-	-

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



Analytical Report Number: 24-057966
 Project / Site name: Hinckley
 Your Order No: 5435 BK

Lab Sample Number				400764
Sample Reference				C2
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				0.24-0.50
Date Sampled				28/11/2024
Time Taken				1400
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	

Stone Content	%	0.1	NONE	31.7
Moisture Content	%	0.01	NONE	7.2
Total mass of sample received	kg	0.1	NONE	0.8

Asbestos

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

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-
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General Inorganics

Organic Matter (automated)	%	0.1	MCERTS	-
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.18
Anthracene	mg/kg	0.05	MCERTS	0.06
Fluoranthene	mg/kg	0.05	MCERTS	0.34
Pyrene	mg/kg	0.05	MCERTS	0.28
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.16
Chrysene	mg/kg	0.05	MCERTS	0.16
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.23
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.16
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.07
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.08

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	1.78
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Analytical Report Number: 24-057966
 Project / Site name: Hinckley
 Your Order No: 5435 BK

Lab Sample Number				400764
Sample Reference				C2
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				0.24-0.50
Date Sampled				28/11/2024
Time Taken				1400
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	25
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	130

Petroleum Hydrocarbons

TPH (>EC6 - EC8) HS_1D_TOTAL	mg/kg	0.01	MCERTS	< 0.01
TPH (>EC8 - EC10) HS_1D_TOTAL	mg/kg	0.02	MCERTS	< 0.02
TPH (>EC10 - EC12) EH_CU_1D_TOTAL	mg/kg	2	MCERTS	4.5
TPH (>EC12 - EC16) EH_CU_1D_TOTAL	mg/kg	4	MCERTS	65
TPH (>EC16 - EC21) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	17
TPH (>EC21 - EC40) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	180

TPH Total >EC6 - EC40 EH_CU+HS_1D_TOTAL	mg/kg	10	NONE	260
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Petroleum Range Organics (EC6 - EC10) HS_1D_TOTAL	mg/kg	1	ISO 17025	< 1.0
TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	260

VOCs

Chloromethane	µg/kg	5	MCERTS	< 5.0
Chloroethane	µg/kg	5	MCERTS	< 5.0
Bromomethane	µg/kg	5	MCERTS	< 5.0
Vinyl Chloride	µg/kg	5	NONE	< 5.0
Trichlorofluoromethane	µg/kg	5	MCERTS	< 5.0
1,1-Dichloroethene	µg/kg	5	MCERTS	< 5.0
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	< 5.0
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0
1,1-Dichloroethane	µg/kg	5	MCERTS	< 5.0
2,2-Dichloropropane	µg/kg	5	NONE	< 5.0
Chloroform	µg/kg	5	MCERTS	< 5.0
1,1,1-Trichloroethane	µg/kg	5	MCERTS	< 5.0
1,2-Dichloroethane	µg/kg	7	MCERTS	< 7.0
1,1-Dichloropropene	µg/kg	5	MCERTS	< 5.0
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0
Carbontetrachloride	µg/kg	5	MCERTS	< 5.0
1,2-Dichloropropane	µg/kg	6	MCERTS	< 6.0
Trichloroethene	µg/kg	10	MCERTS	< 10
Dibromomethane	µg/kg	5	MCERTS	< 5.0
Bromodichloromethane	µg/kg	5	MCERTS	< 5.0
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	< 5.0
Trans 1,3-dichloropropene	µg/kg	10	MCERTS	< 10



Analytical Report Number: 24-057966
Project / Site name: Hinckley
Your Order No: 5435 BK

Lab Sample Number				400764
Sample Reference				C2
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				0.24-0.50
Date Sampled				28/11/2024
Time Taken				1400
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	
Ethylbenzene	µg/kg	5	MCERTS	< 5.0
p & m-Xylene	µg/kg	8	MCERTS	< 8.0
Styrene	µg/kg	5	MCERTS	< 5.0
Bromoform	µg/kg	5	MCERTS	< 5.0
o-Xylene	µg/kg	5	MCERTS	< 5.0
Isopropylbenzene	µg/kg	5	MCERTS	< 5.0
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	< 5.0
Bromobenzene	µg/kg	5	MCERTS	< 5.0
n-Propylbenzene	µg/kg	5	MCERTS	< 5.0
2-Chlorotoluene	µg/kg	5	MCERTS	< 5.0
4-Chlorotoluene	µg/kg	5	MCERTS	< 5.0
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	< 5.0
tert-Butylbenzene	µg/kg	5	MCERTS	< 5.0
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	< 5.0
sec-Butylbenzene	µg/kg	5	MCERTS	< 5.0
1,3-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0
p-Isopropyltoluene	µg/kg	5	MCERTS	< 5.0
1,4-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0
1,2-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0
Butylbenzene	µg/kg	5	MCERTS	< 5.0
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	< 8.0
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	< 5.0
Hexachlorobutadiene	µg/kg	5	MCERTS	< 5.0
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	< 5.0

SVOCs

Aniline	mg/kg	0.1	NONE	< 0.1
Phenol	mg/kg	0.2	ISO 17025	< 0.2
2-Chlorophenol	mg/kg	0.1	MCERTS	< 0.1
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	< 0.2
1,3-Dichlorobenzene	mg/kg	0.2	NONE	< 0.2
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	< 0.1
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	< 0.1
2-Methylphenol	mg/kg	0.3	MCERTS	< 0.3
Hexachloroethane	mg/kg	0.05	ISO 17025	< 0.05
Nitrobenzene	mg/kg	0.3	MCERTS	< 0.3
4-Methylphenol	mg/kg	0.2	NONE	< 0.2
Isophorone	mg/kg	0.2	MCERTS	< 0.2
2-Nitrophenol	mg/kg	0.3	NONE	< 0.3
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	< 0.3
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	< 0.3
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	< 0.3



Analytical Report Number: 24-057966
 Project / Site name: Hinckley
 Your Order No: 5435 BK

Lab Sample Number				400764
Sample Reference				C2
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				0.24-0.50
Date Sampled				28/11/2024
Time Taken				1400
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	
Dimethylphthalate	mg/kg	0.1	MCERTS	< 0.1
2,6-Dinitrotoluene	mg/kg	0.1	NONE	< 0.1
2,4-Dinitrotoluene	mg/kg	0.2	NONE	< 0.2
Dibenzofuran	mg/kg	0.2	MCERTS	< 0.2
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	< 0.3
Diethyl phthalate	mg/kg	0.2	MCERTS	< 0.2
4-Nitroaniline	mg/kg	0.2	NONE	< 0.2
Azobenzene	mg/kg	0.3	NONE	< 0.3
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	< 0.2
Hexachlorobenzene	mg/kg	0.3	MCERTS	< 0.30
Carbazole	mg/kg	0.3	MCERTS	< 0.3
Dibutyl phthalate	mg/kg	0.2	NONE	< 0.2
Anthraquinone	mg/kg	0.3	NONE	< 0.3
Butyl benzyl phthalate	mg/kg	0.3	NONE	< 0.3

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



Analytical Report Number: 24-057966
Project / Site name: Hinckley
Your Order No: 5435 BK

Certificate of Analysis - Asbestos Quantification

Methods:

Qualitative Analysis

The samples were analysed qualitatively for asbestos by polarising light and dispersion staining as described by the Health and Safety Commission HSG 248.

Quantitative Analysis

The analysis was carried out using our documented in-house method A006 based on HSE Contract Research Report No: 83/1996 and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies et al, 1996) and method includes initial examination of the entire representative sample, then fractionation and detailed analysis of each fraction, quantification by hand picking and weighing.

The limit of detection (reporting limit) of this method is 0.001 %.

The method has been validated using samples of at least 100 g, results for samples smaller than this should be interpreted with caution.

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)
400763	C1	0.13-0.30	161	Loose Fibres	Chrysotile	< 0.001

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



Analytical Report Number: 24-057966
Project / Site name: Hinckley

Your Order No: 5435 BK

Lab Sample Number				400754	400761
Sample Reference				WS1	TP4
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.08-0.42	0.20-0.60
Date Sampled				28/11/2024	28/11/2024
Time Taken				0830	1230
Analytical Parameter (Leachate Analysis)				Units	Test Limit of detection
				Test Accreditation Status	

Speciated PAHs

Naphthalene	µg/l	0.01	NONE	0.09	0.12
Acenaphthylene	µg/l	0.01	NONE	0.01	0.01
Acenaphthene	µg/l	0.01	NONE	0.03	0.06
Fluorene	µg/l	0.01	NONE	0.04	0.06
Phenanthrene	µg/l	0.01	NONE	0.1	0.13
Anthracene	µg/l	0.01	NONE	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	NONE	0.03	< 0.01
Pyrene	µg/l	0.01	NONE	0.03	< 0.01
Benzo(a)anthracene	µg/l	0.01	NONE	< 0.01	< 0.01
Chrysene	µg/l	0.01	NONE	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	NONE	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	NONE	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	NONE	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE	< 0.01	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE	0.32	0.39
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Heavy Metals / Metalloids

Arsenic (dissolved)	µg/l	1	ISO 17025	3.1	2.7
Cadmium (dissolved)	µg/l	0.08	ISO 17025	< 0.08	< 0.08
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0
Chromium (dissolved)	µg/l	0.4	ISO 17025	2.3	1.8
Copper (dissolved)	µg/l	0.7	ISO 17025	10	11
Lead (dissolved)	µg/l	1	ISO 17025	4.5	1.5
Mercury (dissolved)	µg/l	0.5	ISO 17025	< 0.5	< 0.5
Nickel (dissolved)	µg/l	0.3	ISO 17025	3	2.1
Selenium (dissolved)	µg/l	4	ISO 17025	< 4.0	< 4.0
Zinc (dissolved)	µg/l	0.4	ISO 17025	9.4	8.4

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



Analytical Report Number : 24-057966
Project / Site name: Hinckley

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
400754	WS1	None Supplied	0.08-0.42	Brown loam and sand with gravel
400755	WS2	None Supplied	0.30-0.60	Brown clay and loam with gravel and stones
400756	WS3	None Supplied	0.30-0.60	Brown loam and clay with gravel
400757	WS4	None Supplied	0.30-0.60	Brown loam and clay with gravel
400758	TP1	None Supplied	0.40-0.60	Brown loam and clay with gravel
400759	TP2	None Supplied	0.10-0.30	Brown loam and sand with gravel
400760	TP3	None Supplied	0.32-0.60	Brown loam and sand with gravel
400761	TP4	None Supplied	0.20-0.60	Brown clay and loam with gravel
400762	TP5	None Supplied	0.30-0.60	Brown clay and sand with gravel
400763	C1	None Supplied	0.13-0.30	Brown loam and clay with vegetation and stones
400764	C2	None Supplied	0.24-0.50	Brown loam and sand with gravel and stones



Analytical Report Number : 24-057966

Project / Site name: Hinckley

Water matrix abbreviations:

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

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	A
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references	HSE Report No: 83/1996, HSG 248 (2021), HSG 264 (2012) & SCA Blue Book (draft)	A006B	D	
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	
Metals by ICP-OES in leachate	Determination of metals in leachate by acidification followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L039B	W	
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS	In-house method	L076B/L088-PL	D/W	
Hexavalent chromium in leachate	Determination of hexavalent chromium in leachate by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	
Hexavalent chromium in soil (low level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	
Speciated PAHs and/or Semi-volatile organic compounds in leachate	SVOCs and PAHs in leachate	In-house method	L102B		
NRA Leachate 10:1		In-house method based on interim NRA guidance (1994)	L020B	W	



Analytical Report Number : 24-057966
Project / Site name: Hinckley

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	A
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Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution



Sample Deviation Report

Analytical Report Number : 24-057966

Project / Site name: Hinckley

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated results may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref
C1	N/A	S	400763	c	BTEX and/or Volatile organic compounds in soil	L073B
C1	N/A	S	400763	c	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B
C1	N/A	S	400763	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L076B/L088-
C1	N/A	S	400763	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L129-PL
C2	N/A	S	400764	c	BTEX and/or Volatile organic compounds in soil	L073B
C2	N/A	S	400764	c	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B
C2	N/A	S	400764	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L076B/L088-
C2	N/A	S	400764	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L129-PL
TP1	N/A	S	400758	c	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B
TP1	N/A	S	400758	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L076B/L088-
TP1	N/A	S	400758	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L129-PL
TP2	N/A	S	400759	c	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B
TP2	N/A	S	400759	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L076B/L088-
TP2	N/A	S	400759	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L129-PL
TP3	N/A	S	400760	c	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B
TP3	N/A	S	400760	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L076B/L088-
TP3	N/A	S	400760	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L129-PL
TP4	N/A	S	400761	c	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B
TP4	N/A	S	400761	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L076B/L088-
TP4	N/A	S	400761	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L129-PL
TP5	N/A	S	400762	c	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B
TP5	N/A	S	400762	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L076B/L088-
TP5	N/A	S	400762	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L129-PL
WS1	N/A	S	400754	c	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B
WS1	N/A	S	400754	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L076B/L088-
WS1	N/A	S	400754	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L129-PL
WS2	N/A	S	400755	c	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B
WS2	N/A	S	400755	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L076B/L088-
WS2	N/A	S	400755	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L129-PL
WS3	N/A	S	400756	c	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B
WS3	N/A	S	400756	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L076B/L088-
WS3	N/A	S	400756	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L129-PL
WS4	N/A	S	400757	c	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B
WS4	N/A	S	400757	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L076B/L088-
WS4	N/A	S	400757	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L129-PL



4041



TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022,
cl 5.3.14, 5.5, Fall Cone Method, 1 Pt Test, BS 1377-2:2022,
cl 5.3, 6

i2 Analytical Ltd
Unit 8 Harrowden F
Brackmills Industria
Northampton NN4

Client: Wilson Associates (Consulting) Limited
Client Address: 36 Brunswick Road, Gloucester,
GL1 1JJ

Contact: Ben Kemp
Site Address: Hinckley

Client Reference:
Job Number:
Date Sampled:
Date Received:
Date Tested:
Sampled By:

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

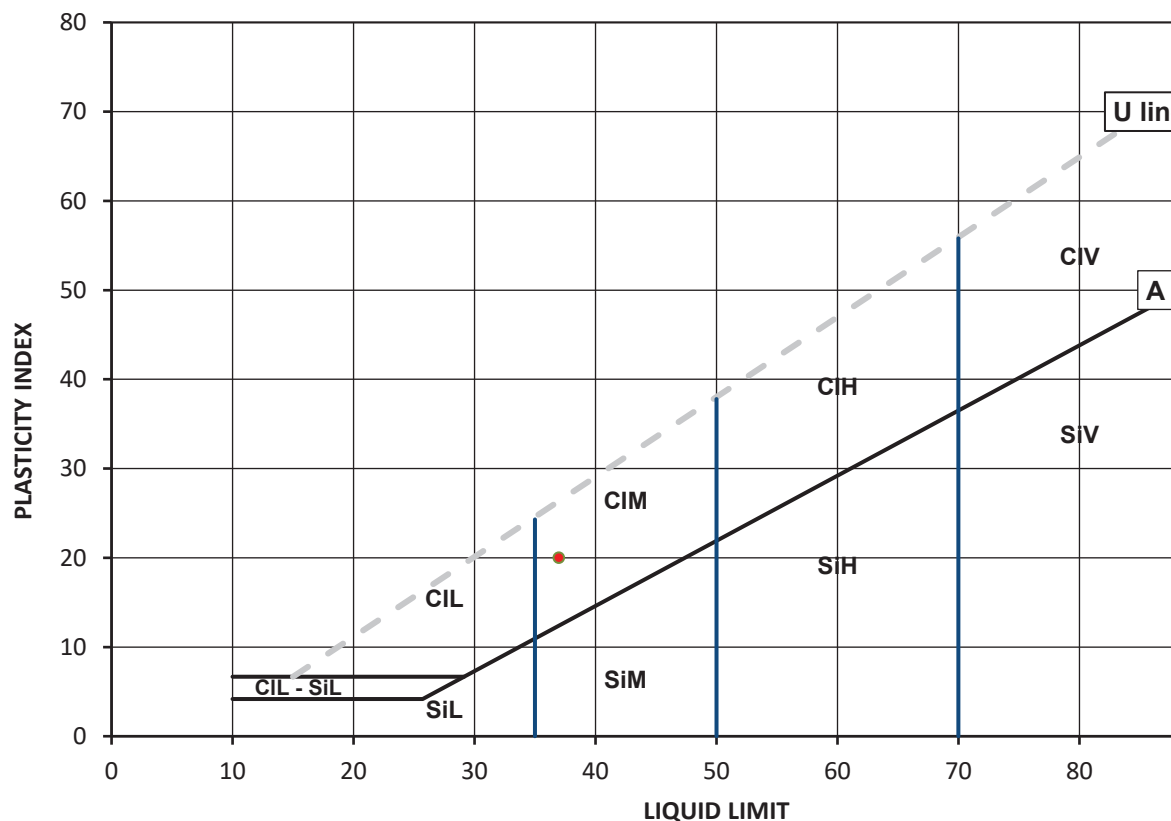
Test Results:

Laboratory Reference: 396046
Hole No.: WS2
Sample Reference: Not Given
Sample Description: Brown slightly gravelly sandy CLAY

Depth Top [m]:
Depth Base [m]:
Sample Type:

Sample Preparation: Tested after washing to remove >0.425 mm;
Cone Type: 80g/30deg

As Received Water Content [W] %	Corrected Liquid Limit [WL] %	Correlation Factor	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity index [IL] % #	Consistency [IC]
10.9	37	1.058	17	20	-0.30	1.3



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification

Clay Plasticity Low Liquid Limit below 35



4041



TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022,
cl 5.3.14, 5.5, Fall Cone Method, 1 Pt Test, BS 1377-2:2022,
cl 5.3, 6

i2 Analytical Ltd
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Brackmills Industria
Northampton NN4

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Client Address: 36 Brunswick Road, Gloucester,
GL1 1JJ

Contact: Ben Kemp
Site Address: Hinckley

Client Reference:
Job Number:
Date Sampled:
Date Received:
Date Tested:
Sampled By:

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

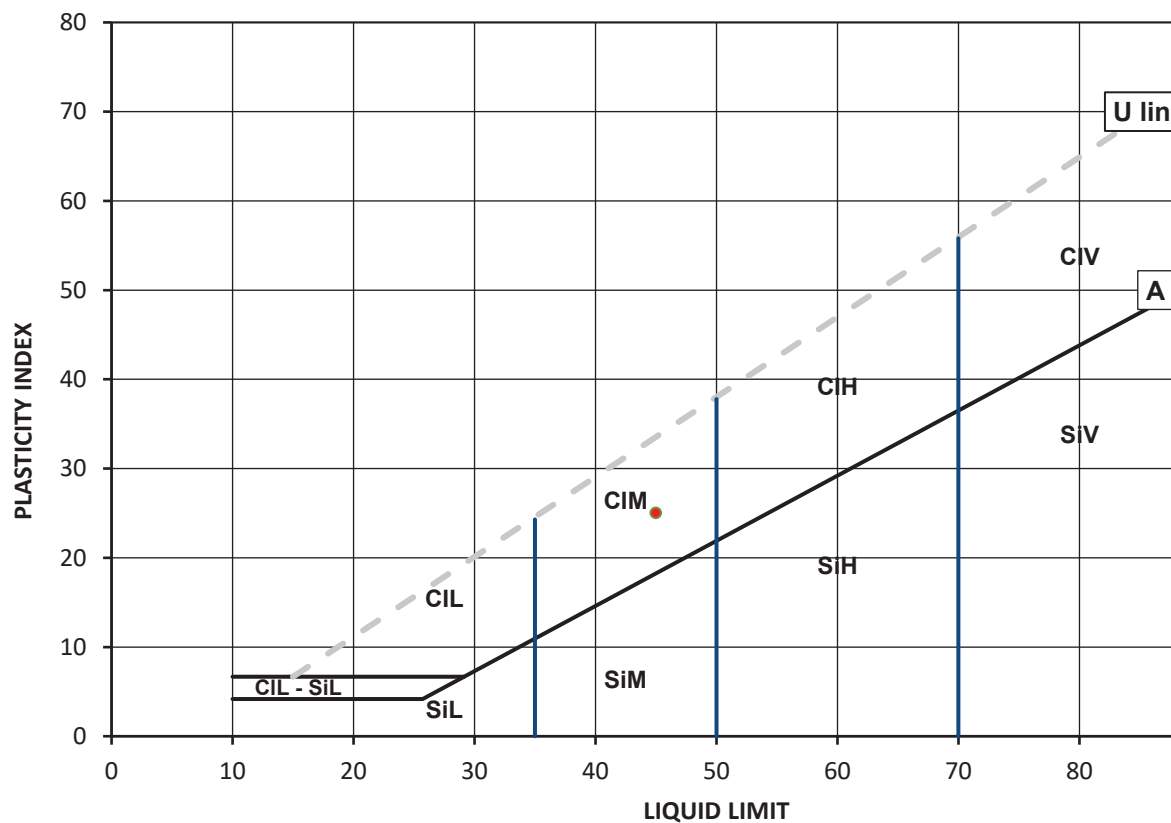
Test Results:

Laboratory Reference: 396047
Hole No.: WS2
Sample Reference: Not Given
Sample Description: Brown slightly gravelly slightly sandy CLAY

Depth Top [m]:
Depth Base [m]:
Sample Type:

Sample Preparation: Tested after washing to remove >0.425 mm;
Cone Type: 80g/30deg

As Received Water Content [W] %	Corrected Liquid Limit [WL] %	Correlation Factor	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity index [IL] % #	Consistency [IC]
11.1	45	1.000	20	25	-0.36	1.3



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification

Cl Clay
L Low
Liquid Limit below 35



4041



TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

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cl 5.3.14, 5.5, Fall Cone Method, 1 Pt Test, BS 1377-2:2022,
cl 5.3, 6

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Northampton NN4

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Client Address: 36 Brunswick Road, Gloucester,
GL1 1JJ

Contact: Ben Kemp
Site Address: Hinckley

Client Reference:
Job Number:
Date Sampled:
Date Received:
Date Tested:
Sampled By:

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

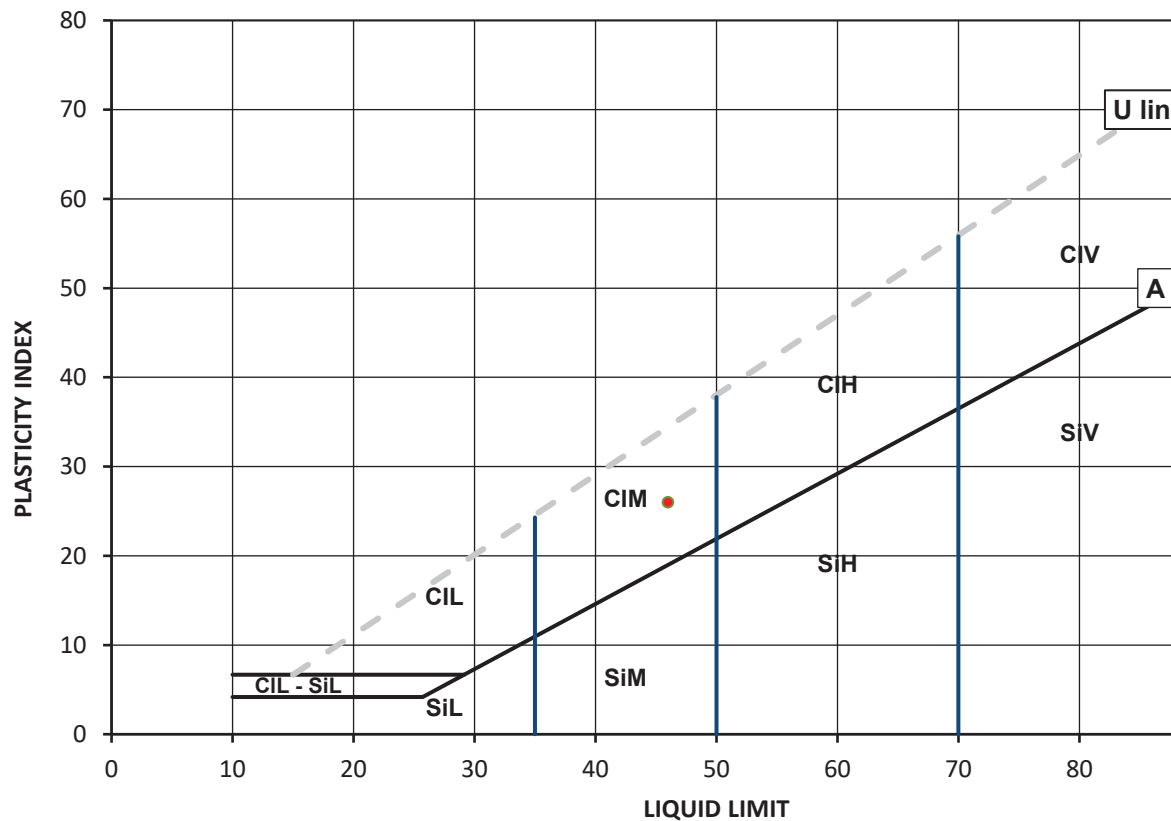
Test Results:

Laboratory Reference: 396048
Hole No.: WS2
Sample Reference: Not Given
Sample Description: Brown gravelly slightly sandy CLAY

Depth Top [m]:
Depth Base [m]:
Sample Type:

Sample Preparation: Tested after washing to remove >0.425 mm;
Cone Type: 80g/30deg

As Received Water Content [W] %	Corrected Liquid Limit [WL] %	Correlation Factor	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity index [IL] % #	Consistency [IC]
20.4	46	1.039	20	26	0.00	1.0



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification

Clay Plasticity Low Liquid Limit below 35



4041



TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022,
cl 5.3.14, 5.5, Fall Cone Method, 1 Pt Test, BS 1377-2:2022,
cl 5.3, 6

i2 Analytical Ltd
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Brackmills Industria
Northampton NN4

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GL1 1JJ

Contact: Ben Kemp
Site Address: Hinckley

Client Reference:
Job Number:
Date Sampled:
Date Received:
Date Tested:
Sampled By:

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

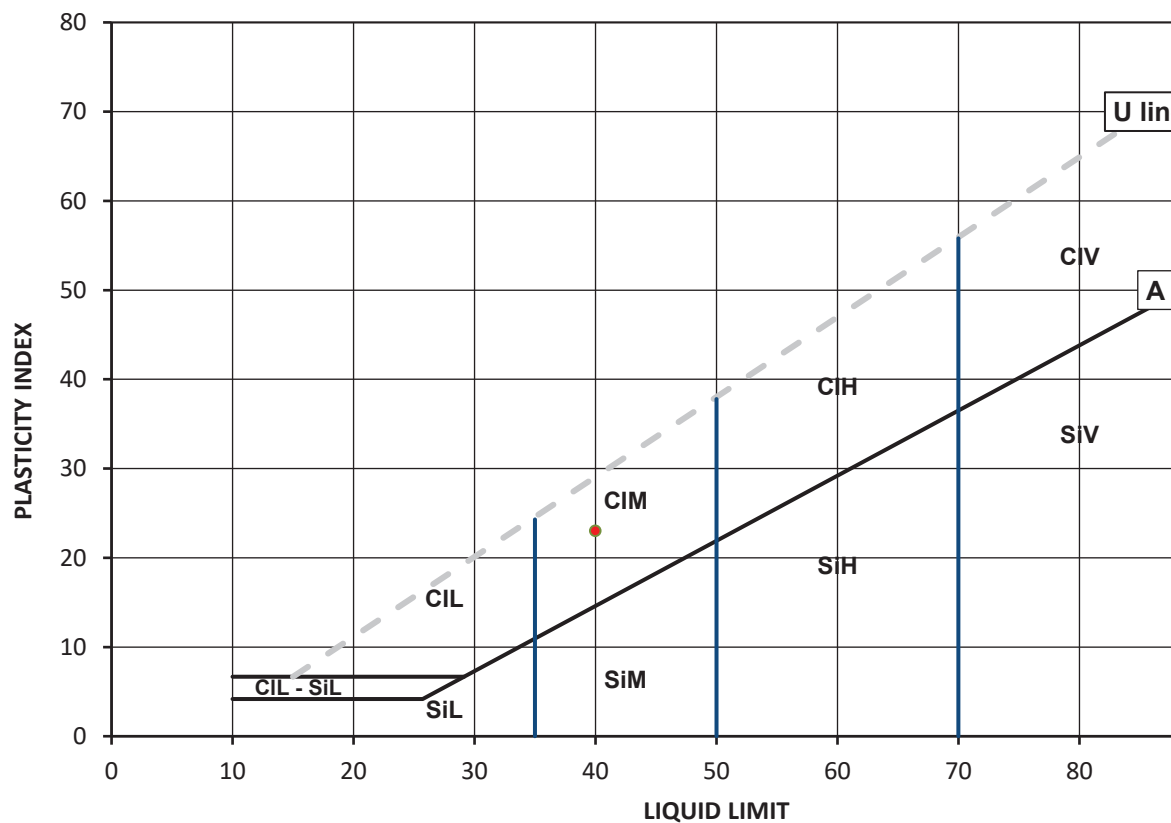
Test Results:

Laboratory Reference: 396049
Hole No.: WS3
Sample Reference: Not Given
Sample Description: Brown gravelly sandy CLAY

Depth Top [m]:
Depth Base [m]:
Sample Type:

Sample Preparation: Tested after washing to remove >0.425 mm;
Cone Type: 80g/30deg

As Received Water Content [W] %	Corrected Liquid Limit [WL] %	Correlation Factor	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity index [IL] % #	Consistency [IC]
13.9	40	1.057	17	23	-0.13	1.1



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification

Cl Clay Plasticity L Low Liquid Limit below 35



4041



TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022,
cl 5.3.14, 5.5, Fall Cone Method, 1 Pt Test, BS 1377-2:2022,
cl 5.3, 6

i2 Analytical Ltd
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Brackmills Industria
Northampton NN4

Client: Wilson Associates (Consulting) Limited
Client Address: 36 Brunswick Road, Gloucester,
GL1 1JJ

Contact: Ben Kemp
Site Address: Hinckley

Client Reference:
Job Number:
Date Sampled:
Date Received:
Date Tested:
Sampled By:

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

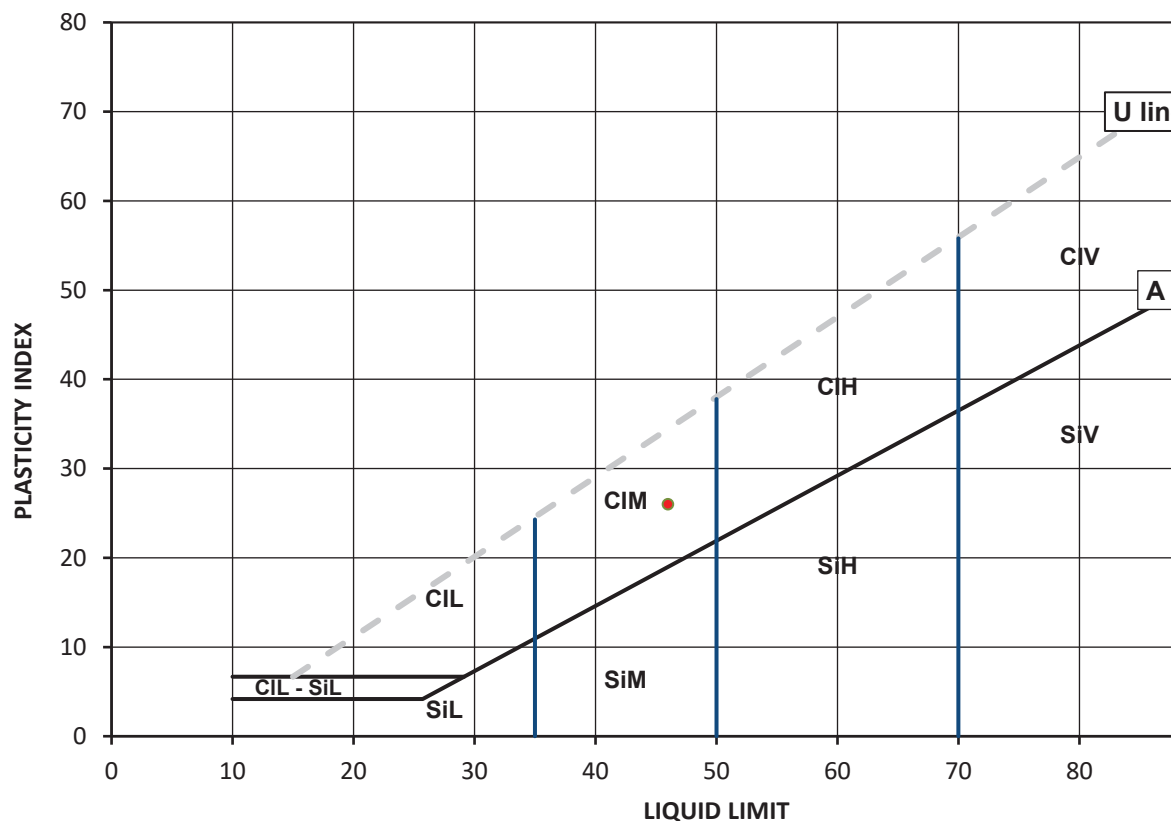
Test Results:

Laboratory Reference: 396050
Hole No.: WS3
Sample Reference: Not Given
Sample Description: Brown slightly gravelly slightly sandy CLAY

Depth Top [m]:
Depth Base [m]:
Sample Type:

Sample Preparation: Tested after washing to remove >0.425 mm;
Cone Type: 80g/30deg

As Received Water Content [W] %	Corrected Liquid Limit [WL] %	Correlation Factor	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity index [IL] % #	Consistency [IC]
26.6	46	1.055	20	26	0.27	0.7



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification

Cl Clay Plasticity L Low Liquid Limit below 35



4041



TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022,
cl 5.3.14, 5.5, Fall Cone Method, 1 Pt Test, BS 1377-2:2022,
cl 5.3, 6

i2 Analytical Ltd
Unit 8 Harrowden F
Brackmills Industria
Northampton NN4

Client: Wilson Associates (Consulting) Limited
Client Address: 36 Brunswick Road, Gloucester,
GL1 1JJ

Contact: Ben Kemp
Site Address: Hinckley

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Client Reference:
Job Number:
Date Sampled:
Date Received:
Date Tested:
Sampled By:

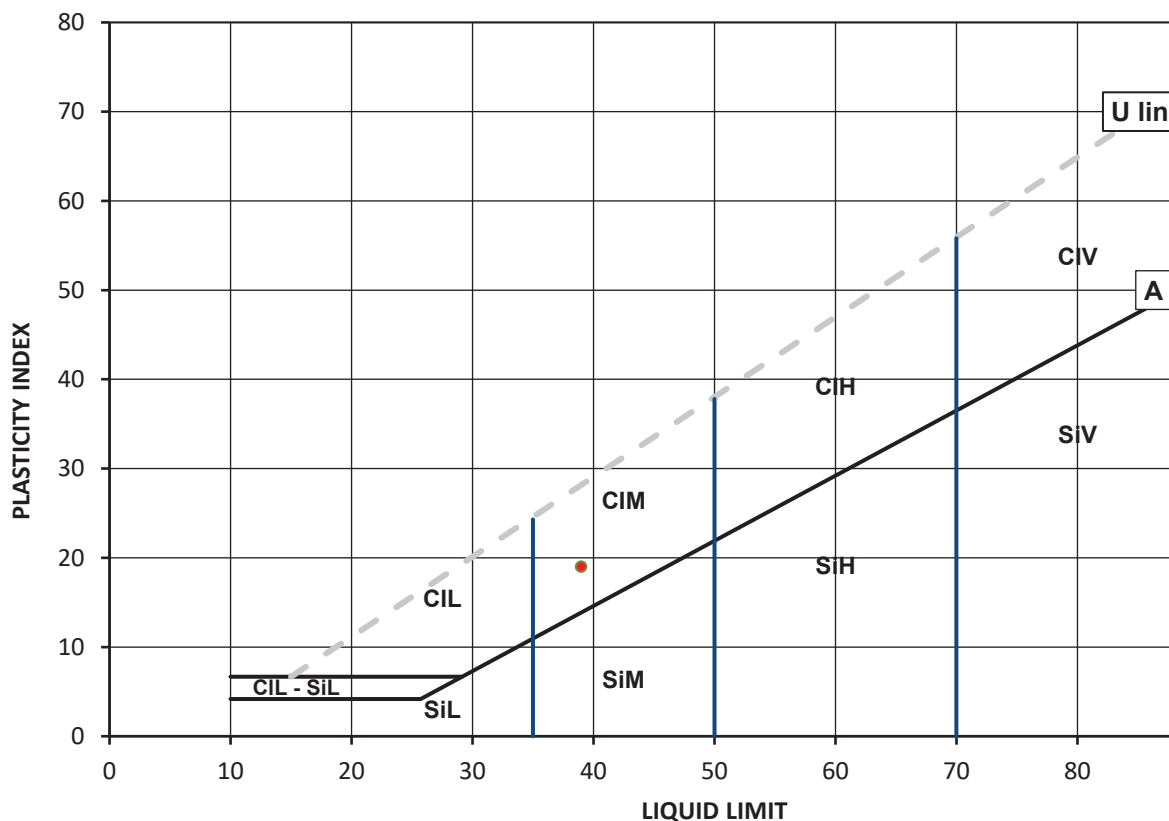
Test Results:

Laboratory Reference: 396051
Hole No.: WS4
Sample Reference: Not Given
Sample Description: Brown slightly gravelly sandy CLAY

Depth Top [m]:
Depth Base [m]:
Sample Type:

Sample Preparation: Tested after washing to remove >0.425 mm;
Cone Type: 80g/30deg

As Received Water Content [W] %	Corrected Liquid Limit [WL] %	Correlation Factor	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity index [IL] % #	Consistency [IC]
14.5	39	0.968	20	19	-0.26	1.2



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification

Clay Plasticity Low Liquid Limit below 35



4041

**TEST CERTIFICATE****DETERMINATION OF LIQUID AND PLASTIC LIMITS**

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022,
cl 5.3.14, 5.5, Fall Cone Method, 1 Pt Test, BS 1377-2:2022,
cl 5.3, 6

i2 Analytical Ltd
Unit 8 Harrowden F
Brackmills Industria
Northampton NN4

Client: Wilson Associates (Consulting) Limited
Client Address: 36 Brunswick Road, Gloucester,
GL1 1JJ

Contact: Ben Kemp
Site Address: Hinckley

Client Reference:
Job Number:
Date Sampled:
Date Received:
Date Tested:
Sampled By:

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

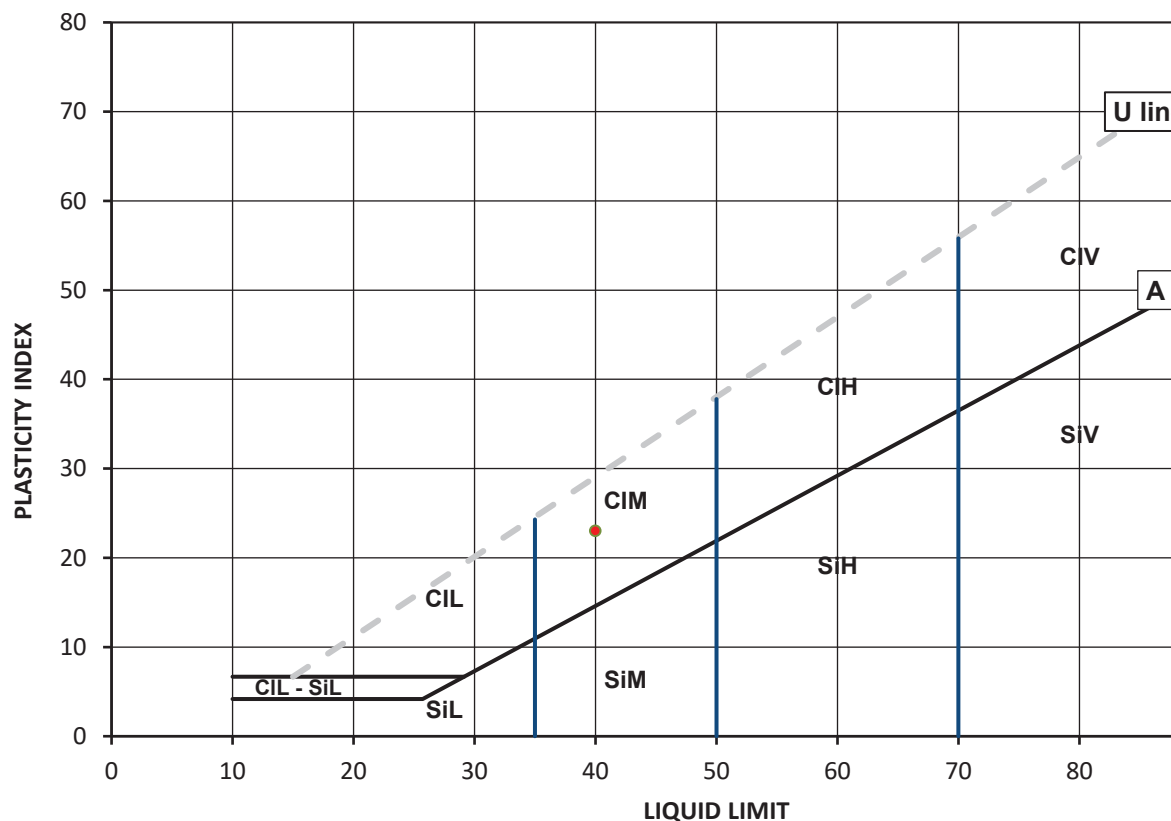
Test Results:

Laboratory Reference: 396052
Hole No.: WS4
Sample Reference: Not Given
Sample Description: Brown slightly gravelly sandy CLAY

Depth Top [m]:
Depth Base [m]:
Sample Type:

Sample Preparation: Tested after washing to remove >0.425 mm;
Cone Type: 80g/30deg

As Received Water Content [W] %	Corrected Liquid Limit [WL] %	Correlation Factor	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity index [IL] % #	Consistency [IC]
16.5	40	1.020	17	23	0.00	1.0



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification

Cl Clay Plasticity L Low Liquid Limit below 35



4041



TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022,
cl 5.3.14, 5.5, Fall Cone Method, 1 Pt Test, BS 1377-2:2022,
cl 5.3, 6

i2 Analytical Ltd
Unit 8 Harrowden F
Brackmills Industria
Northampton NN4

Client: Wilson Associates (Consulting) Limited
Client Address: 36 Brunswick Road, Gloucester,
GL1 1JJ

Contact: Ben Kemp
Site Address: Hinckley

Client Reference:
Job Number:
Date Sampled:
Date Received:
Date Tested:
Sampled By:

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

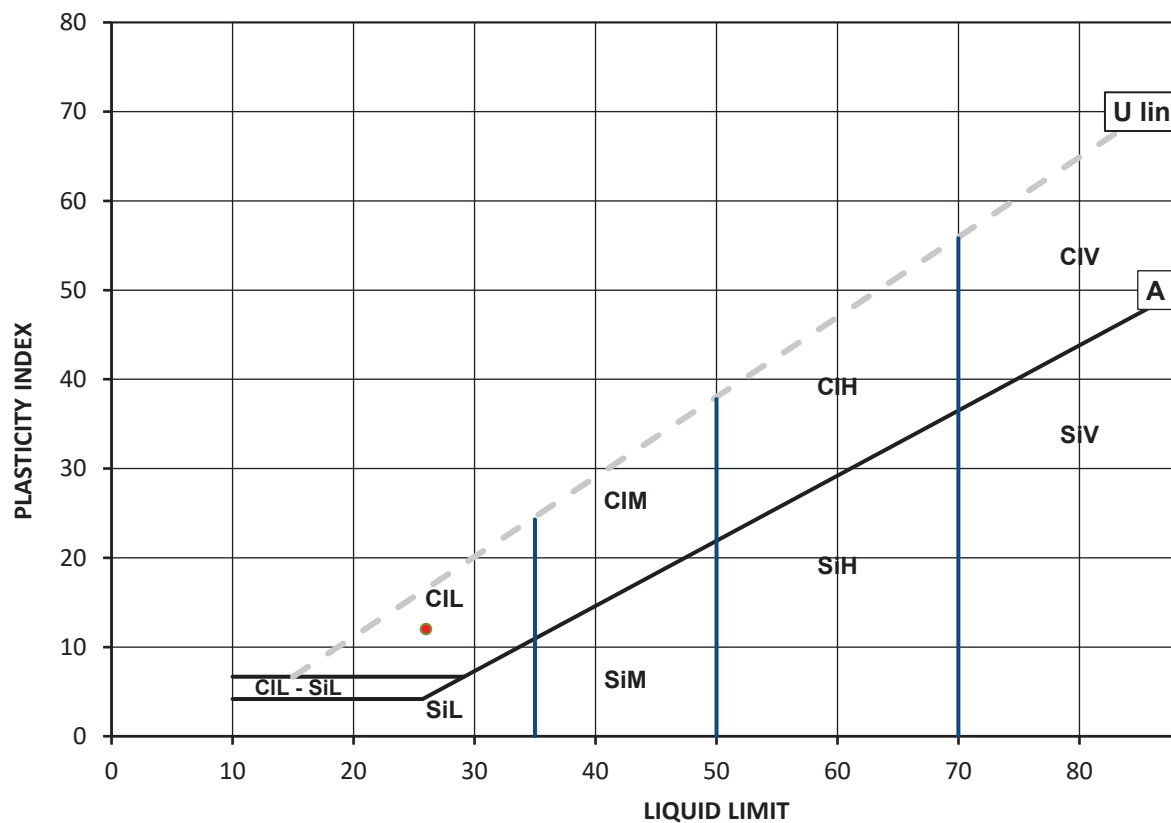
Test Results:

Laboratory Reference: 396053
Hole No.: WS2
Sample Reference: Not Given
Sample Description: Brown slightly gravelly very sandy CLAY

Depth Top [m]:
Depth Base [m]:
Sample Type:

Sample Preparation: Tested after washing to remove >0.425 mm;
Cone Type: 80g/30deg

As Received Water Content [W] %	Corrected Liquid Limit [WL] %	Correlation Factor	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity index [IL] % #	Consistency [IC]
9.9	26	1.042	14	12	-0.33	1.3



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification

Cl Clay Plasticity Liquid Limit
L Low below 35

SUMMARY OF CLASSIFICATION TEST RESULTS

BS EN ISO 17892-12:2018+A2:2022, cl 5.3.14, 5.5, Fall Cone Method, 1 Pt Test, BS 1377-2:2022, cl 5.3, 6, Correlation Factor by Clayton C.R. and Jukes A.W. (1978), W by BS EN ISO 17892-1:2014+A1:2022.

Sampled By: Client - BK



and, ul. Pionierow, 41-711 Ruda Slaska. Poland

[illegible]

DETERMINATION OF WATER CONTENT

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB



Client Reference: 5435

ul. Pionierow, 41-711 Ruda Slaska, Poland

[illegible]



APPENDIX 4

HISTORICAL ORDNANCE SURVEY PLANS