

APPENDIX C:

Envirocheck Reports

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

270445640_1_1

Customer Reference:

S190445

National Grid Reference:

423660, 419660

Slice:

A

Site Area (Ha):

0.27

Search Buffer (m):

1000

Site Details:

Site at
Dewsbury
Kirklees

Client Details:

Mr R Woods
Solmek Ltd
12 Yarm Road
Stockton on Tees
Cleveland
TS18 3NA

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	45
Hazardous Substances	-
Geological	51
Industrial Land Use	55
Sensitive Land Use	62
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Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client. In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 3		2	2	28
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls	pg 11				1
Integrated Pollution Prevention And Control	pg 11				13
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 14		2		3
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 14		Yes		
Pollution Incidents to Controlled Waters	pg 14			2	16
Prosecutions Relating to Authorised Processes	pg 17		1		1
Registered Radioactive Substances					
River Quality	pg 18		1		4
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points	pg 19				3
Substantiated Pollution Incident Register	pg 21				3
Water Abstractions	pg 22				19 (*21)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 32	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 32	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 32	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 32	Yes	Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 38		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 38		5	9	40

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites	pg 45				1
Historical Landfill Sites	pg 45		1		3
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 46			1	1
Licensed Waste Management Facilities (Locations)	pg 46				4
Local Authority Landfill Coverage	pg 47	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites	pg 47		1		3
Registered Waste Transfer Sites	pg 49				3
Registered Waste Treatment or Disposal Sites	pg 50				1
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 51	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 51			1	12
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 53	Yes	n/a	n/a	n/a
Mining Instability	pg 53	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 53	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 53	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 53	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 53	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 54	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 54	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 55		4	12	60
Fuel Station Entries	pg 61				1
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt	pg 62			1	
Areas of Unadopted Green Belt	pg 62			1	
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 62				1
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 62				1
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (NW)	0	1	423663 419656
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	11	1	423663 419600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	61	1	423663 419550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	103	1	423750 419550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	162	1	423850 419650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	164	1	423800 419800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	175	1	423850 419750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	201	1	423850 419800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	210	1	423900 419656
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	219	1	423500 419850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	227	1	423550 419900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	227	1	423450 419500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	256	1	423500 419900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	270	1	423400 419500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	290	1	423450 419900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	296	1	423500 419950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SW (N)	297	1	423663 420000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	300	1	423700 420000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SE (N)	310	1	423750 420000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	312	1	423650 419300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	318	1	423550 420000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	338	1	423800 419300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (NW)	339	1	423500 420000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12NE (W)	350	1	423300 419750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	354	1	424000 419850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	381	1	423900 420000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (SE)	388	1	423900 419300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	389	1	423250 419600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	414	1	423950 420000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	421	1	423900 420050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	423	1	424000 419350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	427	1	423250 419450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	438	1	423200 419650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	439	1	423200 419600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	439	1	423200 419656
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12NE (W)	442	1	423200 419700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	447	1	424000 420000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	455	1	424000 419300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14SW (SE)	481	1	424100 419400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	496	1	423850 419150

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Little London Cso, Sheffield Authority: Environment Agency, North East Region Catchment Area: Calder Reference: 878 Permit Version: 1 Effective Date: 24th September 1958 Issued Date: 24th September 1958 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Calder Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	124	2	423750 419790
2	Discharge Consents Operator: Yorkshire Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Fiddlers Hill, Thornhill Lees, Dewsbury, West Yorkshire, Wf12 9hd Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: Eprup3221xk Permit Version: 1 Effective Date: 4th August 2016 Issued Date: 4th August 2016 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of River Calder Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	191	2	423847 419547
3	Discharge Consents Operator: Crowroyd Farm Property Type: FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Location: Stott Ransome Colin Crowroyd Farm T, Hornhill Lees Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wa5828 Permit Version: 2 Effective Date: 3rd December 2012 Issued Date: 3rd December 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Land Adj To Dwelling Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	494	2	423200 419400
3	Discharge Consents Operator: Crowroyd Farm Property Type: FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Location: Stott Ransome Colin Crowroyd Farm T, Hornhill Lees Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wa5828 Permit Version: 1 Effective Date: 4th December 1989 Issued Date: 4th December 1989 Revocation Date: 2nd December 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Land Adj To Dwelling Status: Transferred from Water Act 1989 Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	494	2	423200 419400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Brewery Lane Cso, Brewery Lane, Dewsbury, West Yorkshire, Wf12 9hu Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wadc745 Permit Version: 3 Effective Date: 24th March 2017 Issued Date: 24th March 2017 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Culverted Trib Of River Calder Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	517	2	424038 420061
5	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Brewery Lane Cso, Brewery Lane, Dewsbury, West Yorkshire, Wf12 9hu Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wadc745 Permit Version: 2 Effective Date: 14th April 2009 Issued Date: 14th April 2009 Revocation Date: 23rd March 2017 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder Status: Transferred from Water Act 1989 Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	523	2	424130 419960
5	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Brewery Lane Cso, Brewery Lane, Dewsbury, West Yorkshire, Wf12 9hu Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wadc745 Permit Version: 1 Effective Date: 18th September 1989 Issued Date: 18th September 1989 Revocation Date: 13th April 2009 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder Status: Transferred from Water Act 1989 Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	523	2	424130 419960
6	Discharge Consents Operator: Yorkshire Electricity Group Property Type: SUB-STATION/ELECTRICITY/GAS/AIR CONDITIONING SUPPLY Location: Yeb 132/33 Kv Electric Substation Ex Thornhill Power Station, Ravensthorpe Road, Dewsbury, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: C5206 Permit Version: 2 Effective Date: 26th July 2012 Issued Date: 26th July 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Land Adj Electricity Substaton Status: Transferred from COPA 1974 Positional Accuracy: Approximate location provided by supplier	A17SE (NW)	721	2	423000 420000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Discharge Consents Operator: Yorkshire Electricity Group Property Type: SUB-STATION/ELECTRICITY/GAS/AIR CONDITIONING SUPPLY Location: Yeb 132/33 Kv Electric Substation Ex Thornhill Power Station, Ravensthorpe Road, Dewsbury, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: C5206 Permit Version: 1 Effective Date: 8th August 1988 Issued Date: 8th August 1988 Revocation Date: 25th July 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Land Adj Electricity Substation Status: Transferred from COPA 1974 Positional Accuracy: Approximate location provided by supplier	A17SE (NW)	721	2	423000 420000
7	Discharge Consents Operator: Newlay Concrete Limited Property Type: MINERAL/GRAVEL EXTRACTION/QUARRYING Location: Forge Lane Quarry, Land Adjacent To Forge Lane, Dewsbury, West Yorkshire, Wf12 9bu Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: Eprab3499ev Permit Version: 1 Effective Date: 5th September 2014 Issued Date: 18th June 2014 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18NW (N)	764	2	423540 420457
7	Discharge Consents Operator: Newlay Concrete Limited Property Type: MINERAL/GRAVEL EXTRACTION/QUARRYING Location: Forge Lane Quarry, Land Adjacent To Forge Lane, Dewsbury, West Yorkshire, Wf12 9bu Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: Eprab3499ev Permit Version: 1 Effective Date: 5th September 2014 Issued Date: 18th June 2014 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18NW (N)	785	2	423553 420480
8	Discharge Consents Operator: Techfill Ltd Property Type: Undefined Or Other Location: Techfill Ltd, Old Transformer House., Calder Road, Ravensthorpe, Consent, No Wra7122 Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7122 Permit Version: 1 Effective Date: 6th January 1995 Issued Date: 6th January 1995 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	872	2	422900 420130

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Discharge Consents Operator: Demex Ltd Property Type: Undefined Or Other Location: Tarmac Roadstone Limited Thornhill, Sand And Gravel Works Ravensthor, Pe Dewsbury Authority: Environment Agency, North East Region Catchment Area: Calder Reference: C5504 Permit Version: 1 Effective Date: 28th April 1989 Issued Date: 28th April 1989 Revocation Date: 1st October 1996 Discharge Type: Trade Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	896	2	423100 420400
10	Discharge Consents Operator: Demex Ltd Property Type: Undefined Or Other Location: Thornhill Sand And Gravel Clader Road, Ravensthorpe, Dewsbury, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7279 Permit Version: 1 Effective Date: 28th January 1997 Issued Date: 28th January 1997 Revocation Date: 9th March 2000 Discharge Type: Trade Discharges - Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Calder Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	906	2	423150 420450
10	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Spenborough Sps Storm Tank Site Smithies Lane, Liversedge, Cleckheaton, West Yorkshire, Wf16 0pn Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Npswqd009808 Permit Version: 1 Effective Date: 15th March 2010 Issued Date: 15th March 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder And River Spen Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	939	2	423150 420490
10	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Spenborough Sps Storm Tank Site Smithies Lane, Liversedge, Cleckheaton, West Yorkshire, Wf16 0pn Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Npswqd009808 Permit Version: 1 Effective Date: 15th March 2010 Issued Date: 15th March 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder And River Spen Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	939	2	423150 420490

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Spen Valley Wwtw The Bottoms, Smithies Lane, Heckmondwike, West Yorkshire, Wf13 3rd Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7549 Permit Version: 3 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: 30th March 2010 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: R. Calder/R. Spen/Hunsworth Bk Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	945	2	423140 420490
10	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Spen Valley Wwtw The Bottoms, Smithies Lane, Heckmondwike, West Yorkshire, Wf13 3rd Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7549 Permit Version: 3 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: 30th March 2010 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: R. Calder/R. Spen/Hunsworth Bk Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	945	2	423140 420490
10	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Spen Valley Wwtw The Bottoms, Smithies Lane, Heckmondwike, West Yorkshire, Wf13 3rd Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7549 Permit Version: 2 Effective Date: 31st March 2010 Issued Date: 25th February 2005 Revocation Date: 18th September 2010 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: R. Calder/R. Spen/Hunsworth Bk Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	945	2	423140 420490
10	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Spen Valley Wwtw The Bottoms, Smithies Lane, Heckmondwike, West Yorkshire, Wf13 3rd Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7549 Permit Version: 2 Effective Date: 31st March 2010 Issued Date: 25th February 2005 Revocation Date: 18th September 2010 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: R. Calder/R. Spen/Hunsworth Bk Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	945	2	423140 420490

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Spen Valley Wwtw The Bottoms, Smithies Lane, Heckmondwike, West Yorkshire, Wf13 3rd Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7549 Permit Version: 1 Effective Date: 1st April 2000 Issued Date: 25th October 1999 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: R. Calder/R. Spen/Hunsworth Bk Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	945	2	423140 420490
10	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Spen Valley Wwtw The Bottoms, Smithies Lane, Heckmondwike, West Yorkshire, Wf13 3rd Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7549 Permit Version: 1 Effective Date: 1st April 2000 Issued Date: 25th October 1999 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: R. Calder/R. Spen/Hunsworth Bk Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	945	2	423140 420490
10	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: North Bierley Wwtw, Cliffe Hollins Lane, Bradford, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: E14 Permit Version: 12 Effective Date: 25th October 1999 Issued Date: 25th October 1999 Revocation Date: 31st March 2000 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder & Hunsworth Beck Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	945	2	423140 420490
10	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Spenborough Wwtw The Bottoms, Smithies Lane, Heckmondwike, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: E56 Permit Version: 6 Effective Date: 1st July 1999 Issued Date: 1st July 1999 Revocation Date: 31st March 2000 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder And Spen River Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	945	2	423140 420490

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Spenborough Wwtw The Bottoms, Smithies Lane, Heckmondwike, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: E56 Permit Version: 6 Effective Date: 1st July 1999 Issued Date: 1st July 1999 Revocation Date: 31st March 2000 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder And Spen River Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	945	2	423140 420490
10	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: North Bierley Wwtw, Cliffe Hollins Lane, Bradford, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: E14 Permit Version: 11 Effective Date: 30th March 1999 Issued Date: 16th March 1999 Revocation Date: 24th October 1999 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder & Hunsworth Beck Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	945	2	423140 420490
10	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: North Bierley Wwtw, Cliffe Hollins Lane, Bradford, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: E14 Permit Version: 10 Effective Date: 16th March 1999 Issued Date: 16th March 1999 Revocation Date: 29th March 1999 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder & Hunsworth Beck Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	945	2	423140 420490
10	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Spenborough Wwtw The Bottoms, Smithies Lane, Heckmondwike, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: E56 Permit Version: 7 Effective Date: 16th November 1998 Issued Date: 22nd October 1998 Revocation Date: 30th June 1999 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder And Spen River Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	945	2	423140 420490

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Spenborough Wwtw The Bottoms, Smithies Lane, Heckmondwike, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: E56 Permit Version: 7 Effective Date: 16th November 1998 Issued Date: 22nd October 1998 Revocation Date: 30th June 1999 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder And Spen River Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	945	2	423140 420490
10	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Undefined Or Other Location: North Bierley Wpc Works Storm Tanks Authority: Environment Agency, North East Region Catchment Area: Calder Reference: E14 Permit Version: 7 Effective Date: 5th August 1997 Issued Date: 31st May 1997 Revocation Date: 24th August 1998 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	945	2	423140 420490
10	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Undefined Or Other Location: North Bierley Wpc Works Storm Tanks Authority: Environment Agency, North East Region Catchment Area: Calder Reference: E14 Permit Version: 9 Effective Date: 22nd December 1998 Issued Date: 31st May 1997 Revocation Date: 15th March 1999 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	945	2	423140 420490
11	Discharge Consents Operator: Spenborough Commercials Ltd Property Type: Undefined Or Other Location: Spenborough Commercials Ltd, Ravens, Thorpe Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7223 Permit Version: 1 Effective Date: 23rd July 1996 Issued Date: 23rd July 1996 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A12NW (W)	963	2	422720 419950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Integrated Pollution Controls Name: E.On Uk Cogeneration Ltd Location: Thornhill Power Station, Ravensthorpe Road, Thornhill, Dewsbury, West Yorkshire, WF12 9EX Authority: Environment Agency, North East Region Permit Reference: By4521 Dated: 24th November 2004 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Revoked - Now IPPC Positional Accuracy: Manually positioned to the road within the address or location	A12NE (W)	621	2	423036 419810
13	Integrated Pollution Prevention And Control Name: Demex Limited Location: Thornhill Quarry Landfill Epr/Lp3330xp, Thornhill Quarry Landfill Site, Calder Road, Ravensthorpe, Dewsbury, West Yorkshire, WF12 9EA Authority: Environment Agency, North East Region Permit Reference: QP3536RE Original Permit Ref: Lp3330xp Effective Date: 20th January 2016 Status: Effective Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Located by supplier to within 10m Activity Code: 5.2 A(1) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Y	A17SE (NW)	604	2	423280 420170
13	Integrated Pollution Prevention And Control Name: Demex Limited Location: Thornhill Quarry Landfill Epr/Lp3330xp, Thornhill Quarry Landfill Site, Calder Road, Ravensthorpe, Dewsbury, West Yorkshire, WF12 9EA Authority: Environment Agency, North East Region Permit Reference: LP3330XP Original Permit Ref: Lp3330xp Effective Date: 5th March 2010 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Located by supplier to within 10m Activity Code: 5.2 A(1) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Y	A17SE (NW)	604	2	423280 420170
14	Integrated Pollution Prevention And Control Name: E.On Uk Cogeneration Ltd Location: Thornhill Power Station Epr/Jp3430lc, Thornhill Power Station, Calder Road, Ravensthorpe, DEWSBURY, West Yorkshire, WF12 9EA Authority: Environment Agency, North East Region Permit Reference: DP3932ZH Original Permit Ref: Jp3430lc Effective Date: 11th March 2013 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Y	A17SW (NW)	860	2	422935 420161
14	Integrated Pollution Prevention And Control Name: E.On Uk Cogeneration Ltd Location: Thornhill Power Station Epr/Jp3430lc, Thornhill Power Station, Calder Road, Ravensthorpe, DEWSBURY, West Yorkshire, WF12 9EA Authority: Environment Agency, North East Region Permit Reference: LP3935NC Original Permit Ref: Jp3430lc Effective Date: Not Supplied Status: Valid Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Automatically positioned to the address Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Y	A17SW (NW)	860	2	422935 420161

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	Integrated Pollution Prevention And Control Name: Calder Textiles Limited Location: Dewsbury Mills - Epr/Br5035it, Anchor House, Dewsbury Mills,Thornhill Road,, DEWSBURY, West Yorkshire, WF12 9QE Authority: Environment Agency, North East Region Permit Reference: CP3836GD Original Permit Ref: Br5035it Effective Date: 24th February 2009 Status: Effective Application Type: Variation App. Sub Type: Minor Positional Accuracy: Located by supplier to within 100m Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y Activity Code: 6.4 Part A (1) a) 2017 Activity Description: Pre-treating or dyeing fibres or textiles >10 tpd Primary Activity: N	A18NE (N)	866	2	424000 420500
15	Integrated Pollution Prevention And Control Name: Calder Textiles Limited Location: Calder Textiles Ltd, Anchor House, Dewsbury Mills,Thornhill Road,, DEWSBURY, West Yorkshire, WF12 9QE Authority: Environment Agency, North East Region Permit Reference: JP3139GR Original Permit Ref: Br5035it Effective Date: 3rd November 2008 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y	A19NW (N)	885	2	424014 420515
15	Integrated Pollution Prevention And Control Name: Calder Textiles Limited Location: Calder Textiles Ltd, Anchor House, Dewsbury Mills,Thornhill Road,, DEWSBURY, West Yorkshire, WF12 9QE Authority: Environment Agency, North East Region Permit Reference: SP3836XU Original Permit Ref: Br5035it Effective Date: 14th April 2008 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y	A19NW (N)	885	2	424014 420515
15	Integrated Pollution Prevention And Control Name: Calder Textiles Limited Location: Anchor House, Dewsbury Mills, Thornhill Road, Dewsbury, West Yorkshire, WF12 9QE Authority: Environment Agency, North East Region Permit Reference: HP3532UB Original Permit Ref: Br5035it Effective Date: 4th October 2007 Status: Superseded By Variation Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y	A19NW (N)	885	2	424014 420515

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	Integrated Pollution Prevention And Control Name: Calder Textiles Limited Location: Calder Textiles Ltd, Anchor House, Dewsbury Mills, Thornhill Road, Dewsbury, West Yorkshire, WF12 9QE Authority: Environment Agency, North East Region Permit Reference: Bu9181ia Original Permit Ref: Br5035it Effective Date: 27th June 2003 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y	A19NW (N)	885	2	424014 420515
15	Integrated Pollution Prevention And Control Name: Calder Textiles Ltd Location: ANCHOR HOUSE, DEWSBURY MILLS, TH, DEWSBURY, DEWSBURY, West Yorkshire, WF12 9QE Authority: Environment Agency, North East Region Permit Reference: Br5035 Original Permit Ref: Br5035 Effective Date: 24th March 2003 Status: Superseded By Variation Application Type: PPC APPLICATION App. Sub Type: Not Supplied Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (C) Activity Description: Coating, Printing And Textiles; Treating Textiles Releasing Any Scheduled Substance Into Water Primary Activity: Not Supplied	A19NW (N)	885	2	424014 420515
15	Integrated Pollution Prevention And Control Name: Calder Textiles Limited Location: Calder Textiles Ltd, Anchor House, Dewsbury Mills, Thornhill Road, Dewsbury, West Yorkshire, WF12 9QE Authority: Environment Agency, North East Region Permit Reference: Br5035it Original Permit Ref: Br5035it Effective Date: 24th March 2003 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y	A19NW (N)	885	2	424014 420515
16	Integrated Pollution Prevention And Control Name: E.On Uk Cogeneration Ltd Location: Thornhill Power Station Epr/Jp3430lc, Thornhill Power Station, Calder Road, Ravensthorpe., DEWSBURY, West Yorkshire, WF12 9EA Authority: Environment Agency, North East Region Permit Reference: MP3804PK Original Permit Ref: Jp3430lc Effective Date: 19th June 2019 Status: Effective Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 100m Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Y	A17SW (NW)	887	2	422860 420090
16	Integrated Pollution Prevention And Control Name: E.On Uk Cogeneration Ltd Location: Thornhill Power Station Epr/Jp3430lc, Thornhill Power Station, Calder Road, Ravensthorpe., DEWSBURY, West Yorkshire, WF12 9EA Authority: Environment Agency, North East Region Permit Reference: TP3738AT Original Permit Ref: Jp3430lc Effective Date: 1st January 2016 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 100m Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Y	A17SW (NW)	887	2	422860 420090

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	Local Authority Pollution Prevention and Controls Name: Redland Readymix Ltdnow Lafarge Location: Steetley Quarry Products Ltd, Lees Hall Road, DEWSBURY, WEST YORKSHIRE, WF12 9EQ Authority: Kirklees Metropolitan Borough Council, Environmental Health Department Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG3/1Blending, packing, loading and use of bulk cement Status: Authorised Positional Accuracy: Manually positioned to the road within the address or location	A13NW (NW)	233	3	423431 419770
17	Local Authority Pollution Prevention and Controls Name: Lafarge Aggregates Ltd Location: Lees Hall Road, Dewsbury, WF12 9EQ Authority: Kirklees Metropolitan Borough Council, Environmental Health Department Permit Reference: Ppc E 22 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG3/1Blending, packing, loading and use of bulk cement Status: Permitted Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	238	3	423443 419802
18	Local Authority Pollution Prevention and Controls Name: Austin Trueman Steel Location: Thornhill Steelworks, Forge Lane, DEWSBURY, West Yorkshire, WF12 9EH Authority: Kirklees Metropolitan Borough Council, Environmental Health Department Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/33 Wood coating Status: Authorisation revoked Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	549	3	424023 420116
19	Local Authority Pollution Prevention and Controls Name: C R Longley & Co Location: Ravensthorpe Road, Thornhill Lees, Dewsbury, WF12 9EF Authority: Kirklees Metropolitan Borough Council, Environmental Health Department Permit Reference: PPC E 157 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Permitted Positional Accuracy: Manually positioned to the address or location	A12NE (W)	652	3	423011 419839
19	Local Authority Pollution Prevention and Controls Name: C R Longley & Co Location: Ravensthorpe Road, Thornhill Lees, Dewsbury, Wf12 9ef Authority: Kirklees Metropolitan Borough Council, Environmental Health Department Permit Reference: Ppc E 9(1) Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG3/1Blending, packing, loading and use of bulk cement Status: Permitted Positional Accuracy: Manually positioned to the address or location	A12NE (W)	652	3	423011 419839
	Nearest Surface Water Feature	A13NE (NE)	130	-	423782 419770
20	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: /bridge Saville Town Calder 27, HORBURY BRIDGE Authority: Environment Agency, North East Region Pollutant: Rubbish Note: Not Supplied Incident Date: 30th August 1990 Incident Reference: 114099 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (E)	311	2	424000 419700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Calder & Hebble Canal Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 28th February 1993 Incident Reference: 141352 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18SE (NE)	448	2	424001 420001
22	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: Rd Brdg B6117/Old Metal Brdg Calder 30 Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 27th July 1990 Incident Reference: 113160 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	737	2	424100 420295
22	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Road Bridge B6117, /Battysford Bridge Calder 04C Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 8th March 1994 Incident Reference: 150164 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	741	2	424100 420300
23	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Island View Weir, River Calder, DEWSBURY Authority: Environment Agency, North East Region Pollutant: Rubbish Note: Pollution Found; No Fish Killed Incident Date: Not Supplied Incident Reference: SL961145 Catchment Area: Calder Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	798	2	423700 420500
24	Pollution Incidents to Controlled Waters Property Type: Not Given Location: DEWSBURY Authority: Environment Agency, North East Region Pollutant: Oils - Waste Oil Note: Pollution Found; Fish Killed: No Information Incident Date: 23rd August 1996 Incident Reference: SL960961 Catchment Area: Calder Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	800	2	423600 420500
25	Pollution Incidents to Controlled Waters Property Type: Surface Water Sewers Location: /road Bridge B6117 Calder 03c, HORBURY BRIDGE Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 15th April 1993 Incident Reference: 142883 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NE (E)	810	2	424500 419700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	Pollution Incidents to Controlled Waters Property Type: Industrial Premises Location: Road Bridge B6117, /Battye Ford Bridge Calder 04C Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Not Supplied Incident Date: 24th June 1991 Incident Reference: 123728 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	817	2	423100 420295
26	Pollution Incidents to Controlled Waters Property Type: Industrial Premises Location: Mouth/Todmorden Calder Afl Authority: Environment Agency, North East Region Pollutant: Oils - Diesel (Including Agricultural) Note: Not Supplied Incident Date: 18th December 1990 Incident Reference: 118174 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	820	2	423100 420300
27	Pollution Incidents to Controlled Waters Property Type: Textile industry Location: Ravens Ing Mills, DEWSBURY Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Watercourse :River Calder; From Thornhill Flood Lock To Spen Beck Incident Date: 23rd April 1998 Incident Reference: SL980301 Catchment Area: Calder Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	833	2	423200 420395
27	Pollution Incidents to Controlled Waters Property Type: Construction/Demolition Location: /road Bridge B6117 Calder 03c, HORBURY BRIDGE Authority: Environment Agency, North East Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 28th November 1994 Incident Reference: 153583 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	837	2	423200 420400
28	Pollution Incidents to Controlled Waters Property Type: Industrial Premises Location: Rail Bridge/Bridge And Weir Calder 34 Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Not Supplied Incident Date: 20th April 1992 Incident Reference: 132287 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	889	2	423105 420395
29	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Foul Sewer Location: Mouth/Gomersal Spen Afl Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 4th February 1991 Incident Reference: 119501 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	915	2	423205 420495

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Foul Sewer Location: Mouth/Gomersal Spen Afl Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 31st January 1991 Incident Reference: 119502 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	917	2	423200 420495
29	Pollution Incidents to Controlled Waters Property Type: Industrial Premises Location: Mouth/Gomersal Spen Afl Authority: Environment Agency, North East Region Pollutant: Industrial Effluent Note: Not Supplied Incident Date: 16th June 1994 Incident Reference: 152285 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	922	2	423200 420500
30	Pollution Incidents to Controlled Waters Property Type: Industrial Premises Location: Road Bridge B6117, /Battleyford Bridge Calder 04C Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Fire water / Foam Note: Not Supplied Incident Date: 15th June 1994 Incident Reference: 152264 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	930	2	423400 420595
30	Pollution Incidents to Controlled Waters Property Type: Industrial Premises Location: Road Bridge B6117, /Battleyford Bridge Calder 04C Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Fire water / Foam Note: Not Supplied Incident Date: 15th June 1994 Incident Reference: 152263 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	935	2	423400 420600
31	Pollution Incidents to Controlled Waters Property Type: Fire Water Location: River Spen At , RAVENSTHORPE Authority: Environment Agency, North East Region Pollutant: Unknown Note: Spen Beck/Dean Beck; Fish Killed: No Information Incident Date: Not Supplied Incident Reference: SL981069 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	976	2	423100 420500
32	Prosecutions Relating to Authorised Processes Location: Forge Lane, Dewsbury Prosecution Text: Operating an illegal waste site - Prison sentences served Prosecution Act: Epr07 Hearing Date: 13th March 2012 Verdict: Guilty Fine: 0 Costs: 0 Positional Accuracy: Manually positioned to the road within the address or location	A13NW (N)	220	2	423657 419922

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	Prosecutions Relating to Authorised Processes Location: Ravenswarfe Road, Scout Hill, Dewsbury Prosecution Text: Operating an illegal waste site - Prison sentences served Prosecution Act: Epr07 Hearing Date: 13th March 2012 Verdict: Guilty Fine: 0 Costs: 0 Positional Accuracy: Manually positioned to the road within the address or location	A17NE (NW)	995	2	423202 420585
	River Quality Name: Calder_&_Hebble_Navigatio GQA Grade: River Quality C Reach: River_Calder_At_Thor_River_Calder_At_Hor Estimated Distance (km): 3.9 Flow Rate: Flow greater than 80 cumecs Flow Type: Canal Year: 2000	A13NE (N)	192	2	423705 419890
	River Quality Name: River_Calder GQA Grade: River Quality D Reach: Spen_Beck_Batley_Bec Estimated Distance (km): 2.9 Flow Rate: Flow less than 10 cumecs Flow Type: River Year: 2000	A18SE (N)	631	2	423896 420288
	River Quality Name: River_Calder GQA Grade: River Quality C Reach: Thornhill_Flood_Lock_Spen_Bec Estimated Distance (km): .2 Flow Rate: Flow less than 10 cumecs Flow Type: River Year: 2000	A17SE (NW)	821	2	423077 420278
	River Quality Name: Spen_Beck/Dean_Beck GQA Grade: River Quality E Reach: U/S_Spenborough_River_Calde Estimated Distance (km): 3.3 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A17SE (NW)	829	2	423097 420309
	River Quality Name: River_Calder GQA Grade: River Quality C Reach: Greenwood_Lock_Thornhill_Flood_Loc Estimated Distance (km): 1 Flow Rate: Flow less than 10 cumecs Flow Type: River Year: 2000	A17SE (NW)	839	2	423009 420228

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	River Quality Chemistry Sampling Points Name: River Calder Reach: Chickenley Beck Mitchell Laithes Estimated Distance: 1.10 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied	A19SW (NE)	739	2	424092 420303

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	River Quality Chemistry Sampling Points Name: River Calder Reach: Batley Beck To Chickenley Beck Estimated Distance: 2.10 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied	A19SW (NE)	739	2	424092 420303

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	River Quality Chemistry Sampling Points Name: River Calder Reach: Spen Beck To Batley Beck Estimated Distance: 2.90 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied	A19SW (NE)	739	2	424092 420303
35	Substantiated Pollution Incident Register Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 1st August 2018 Incident Reference: 1639455 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Inert Materials And Wastes: Soils And Clay	A14NE (E)	748	2	424437 419709
36	Substantiated Pollution Incident Register Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 21st January 2002 Incident Reference: 53563 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Contaminated Water: Chemically Contaminated Run-Off	A19NW (NE)	914	2	424113 420498

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	Substantiated Pollution Incident Register Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 7th February 2010 Incident Reference: 751593 Water Impact: Category 3 - Minor Incident Air Impact: Category 2 - Significant Incident Land Impact: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants and Effects: Smoke	A17NE (N)	955	2	423290 420582
38	Water Abstractions Operator: Lafarge Aggregates Ltd Licence Number: 2/27/13/230 Permit Version: 2 Location: River Calder - Dewsbury Authority: Environment Agency, North East Region Abstraction: Extractive: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Forge Mill Quarry, Forge Lane, Dewsbury Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 26th September 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18SE (N)	584	2	423890 420240
38	Water Abstractions Operator: Lafarge Aggregates Ltd Licence Number: 2/27/13/230 Permit Version: 2 Location: River Calder - Dewsbury Authority: Environment Agency, North East Region Abstraction: Extractive: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Forge Mill Quarry, Forge Lane, Dewsbury Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 26th September 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18SE (N)	584	2	423890 420240
38	Water Abstractions Operator: Lafarge Aggregates Ltd Licence Number: 2/27/13/230 Permit Version: 1 Location: River Calder - Dewsbury Authority: Environment Agency, North East Region Abstraction: Extractive: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Forge Mill Quarry, Forge Lane, Dewsbury Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 7th July 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18SE (N)	584	2	423890 420240
38	Water Abstractions Operator: Lafarge Aggregates Ltd Licence Number: 2/27/13/230 Permit Version: 1 Location: River Calder - Dewsbury Authority: Environment Agency, North East Region Abstraction: Extractive: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Forge Mill Quarry, Forge Lane, Dewsbury Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 7th July 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18SE (N)	584	2	423890 420240

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	Water Abstractions Operator: Wormalds & Walker Ltd Licence Number: 2/27/13/035 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Licence Lapsed Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18SE (NE)	687	2	424000 420300
40	Water Abstractions Operator: Wormalds & Walker Limited Licence Number: 2/27/13/124 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 73 Yearly Rate (m3): 21372 Details: Alluvium Including Sand & Gravel Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	825	2	424070 420420
40	Water Abstractions Operator: Calder Dyeing Ltd Licence Number: 2/27/13/226/R01 Permit Version: 2 Location: Borehole - Coal Measures - Dewsbury Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dewsbury Mills, Thornhill Road, Dewsbury Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 15th May 2020 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	864	2	424093 420451
40	Water Abstractions Operator: Calder Dyeing Ltd Licence Number: 2/27/13/226/R01 Permit Version: 1 Location: Borehole - Coal Measures - Dewsbury Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dewsbury Mills, Thornhill Road, Dewsbury Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	870	2	424090 420460

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	Water Abstractions Operator: Calder Dyeing Ltd Licence Number: 2/27/13/226 Permit Version: 1 Location: Borehole - Coal Measures - Dewsbury Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dewsbury Mills, Thornhill Road, Dewsbury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th October 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	870	2	424090 420460
41	Water Abstractions Operator: British Waterways Board Licence Number: 2/27/13/119 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 73 Yearly Rate (m3): 18329 Details: Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	891	2	423030 420330
42	Water Abstractions Operator: Canal And River Trust Licence Number: 2/27/13/179 Permit Version: 101 Location: River Calder - Thornhill Power Station - Dewsbury Authority: Environment Agency, North East Region Abstraction: Amenity: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Thornhill Power Station, Thornhill, Ravensthorpe, Dewsbury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st January 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	937	2	422830 420140
42	Water Abstractions Operator: British Waterways Licence Number: 2/27/13/179 Permit Version: 100 Location: River Calder - Thornhill Power Station - Dewsbury Authority: Environment Agency, North East Region Abstraction: Amenity: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 70800 Yearly Rate (m3): 25842000 Details: Thornhill Power Station, Thornhill, Ravensthorpe, Dewsbury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th August 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	937	2	422830 420140

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	Water Abstractions Operator: Central Electricity Generating Board Licence Number: 2/27/13/101 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: Cooling/Gen Ind. Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 9092000 Details: Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	945	2	422800 420100
43	Water Abstractions Operator: Lawton Yarns Ltd Licence Number: 2/27/13/211 Permit Version: 2 Location: River Calder-Ravensing Mills-Ravensthorpe Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Ravensing Mills, Ravensthorpe, Dewsbury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th August 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	945	2	423140 420490
43	Water Abstractions Operator: William S Graham Ltd Licence Number: 2/27/13/211 Permit Version: 1 Location: River Calder-Ravensing Mills-Ravensthorpe Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Ravensing Mills, Ravensthorpe, Dewsbury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st November 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	945	2	423140 420490
43	Water Abstractions Operator: Lawton Yarns Ltd Licence Number: 2/27/13/211/R01 Permit Version: 1 Location: River Calder-Ravensing Mills-Ravensthorpe Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	947	2	423140 420493

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	Water Abstractions Operator: Lawton Yarns Ltd Licence Number: 2/27/13/200 Permit Version: 102 Location: Borehole - Coal Measures - Ravensthorpe - Dewsbury Authority: Environment Agency, North East Region Abstraction: Laundry: General Washing/Process Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Ravensing Mills, Ravensthorpe, Dewsbury. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th August 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	963	2	423080 420470
44	Water Abstractions Operator: William S Graham Ltd Licence Number: 2/27/13/200 Permit Version: 101 Location: Borehole - Coal Measures - Ravensthorpe - Dewsbury Authority: Environment Agency, North East Region Abstraction: Laundry: General Washing/Process Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Ravensing Mills, Ravensthorpe, Dewsbury. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 29th August 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	963	2	423080 420470
44	Water Abstractions Operator: William S Graham Limited Licence Number: 2/27/13/200 Permit Version: 100 Location: Borehole - Coal Measures - Ravensthorpe - Dewsbury Authority: Environment Agency, North East Region Abstraction: Laundry: General Washing/Process Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 960 Yearly Rate (m3): 300000 Details: Ravensing Mills, Ravensthorpe, Dewsbury. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd June 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	963	2	423080 420470
	Water Abstractions Operator: British Waterways Board Licence Number: 2/27/13/122 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 455 Yearly Rate (m3): 163656 Details: Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17SW (W)	1023	2	422680 420020

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Croslee Yarns Limited Licence Number: 2/27/13/136 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 682 Yearly Rate (m3): 227300 Details: Coal Measures Licence Lapsed Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	1035	2	422700 420100
	Water Abstractions Operator: Act Manufacturing Limited; T/a Walter Walker & Sons Licence Number: 2/27/13/171 Permit Version: Not Supplied Location: Ravensthorpe Mills, Ravensthorpe, DEWSBURY Authority: Environment Agency, North East Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 600 Yearly Rate (m3): 219000 Details: Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	1057	2	422680 420110
	Water Abstractions Operator: A W Hainsworth & Sons Ltd Licence Number: 2/27/13/139 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 205 Yearly Rate (m3): 33186 Details: Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A24SW (N)	1106	2	424070 420730
	Water Abstractions Operator: Ulster Yarns Ltd Licence Number: Ne/027/0013/005 Permit Version: 1 Location: Borehole - Coal Measures - Ravensthorpe Mills, Dewsbury Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st January 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16SE (NW)	1124	2	422620 420140

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Ulster Yarns Ltd Licence Number: 2/27/13/218 Permit Version: 2 Location: Borehole - Dewsbury - Coal Measures Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Ravensthorpe Mills, Huddersfield Road, Ravensthorpe, Dewsbury. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd March 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16SE (NW)	1124	2	422620 420140
	Water Abstractions Operator: Riverstone Spinning Ltd Licence Number: 2/27/13/218 Permit Version: 1 Location: Borehole - Dewsbury - Coal Measures Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Ravensthorpe Mills, Huddersfield Road, Ravensthorpe, Dewsbury. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16SE (NW)	1124	2	422620 420140
	Water Abstractions Operator: Riverstone Spinning Ltd Licence Number: 2/27/13/202 Permit Version: 2 Location: Borehole - Dewsbury - Coal Measures Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Ravensthorpe Mills, Huddersfield Road, Ravensthorpe. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd April 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16SE (NW)	1124	2	422620 420140
	Water Abstractions Operator: Atc Manufacturing Limited Licence Number: 2/27/13/202 Permit Version: 1 Location: Borehole - Dewsbury - Coal Measures Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Ravensthorpe Mills, Huddersfield Road, Ravensthorpe. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16SE (NW)	1124	2	422620 420140

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Forticrete Ltd Licence Number: 2/27/13/229 Permit Version: 1 Location: River Calder - Ravensthorpe Authority: Environment Agency, North East Region Abstraction: Mineral Products: General Use(High Loss) Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Thornhill Works, Calder Road, Ravensthorpe, Dewsbury Wf12 9hy Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NE (W)	1257	2	422400 419870
	Water Abstractions Operator: Forticrete Ltd Licence Number: 2/27/13/229 Permit Version: 1 Location: River Calder - Ravensthorpe Authority: Environment Agency, North East Region Abstraction: Mineral Products: Dust Suppression Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Thornhill Works, Calder Road, Ravensthorpe, Dewsbury Wf12 9hy Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NE (W)	1257	2	422400 419870
	Water Abstractions Operator: Jaamia Talimaul Islam Licence Number: 2/27/13/183 Permit Version: Not Supplied Location: South Street, Savile Town, DEWSBURY Authority: Environment Agency, North East Region Abstraction: Domestic Use Only Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 45 Yearly Rate (m3): 11363 Details: Coal Measures; Licence Status: Active Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A24SE (NE)	1303	2	424500 420700
	Water Abstractions Operator: Dewsbury Dyeing Co Ltd Licence Number: 2/27/13/215 Permit Version: 1 Location: Borehole - Coal Measures - Ravensthorpe - Dewsbury Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Oaklands Mill, Netherfield Road, Dewsbury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th December 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16SE (W)	1340	2	422390 420150

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: S Lyles & Son & Company Ltd Licence Number: 2/27/13/026 Permit Version: Not Supplied Location: Calder Bank Mills, DEWSBURY Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 295 Yearly Rate (m3): 54550 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A23NE (N)	1438	2	424000 421100
	Water Abstractions Operator: Yorkshire Water Authority Licence Number: 2/27/13/132 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: Water Undertaking Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 7 Yearly Rate (m3): 1660000 Details: Coal Measures Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A10NE (E)	1736	2	425340 419140
	Water Abstractions Operator: Calder Masonary Licence Number: 2/27/13/191 Permit Version: 101 Location: River Calder - Dewsbury X 2 Abstraction Points Authority: Environment Agency, North East Region Abstraction: Mineral Products: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Saville Bridge Mills, Mill Street East, Dewsbury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A25NW (NE)	1822	2	424700 421200
	Water Abstractions Operator: Calder Masonary Licence Number: 2/27/13/191 Permit Version: 100 Location: River Calder Authority: Environment Agency, North East Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 36 Yearly Rate (m3): 9720 Details: Saville Bridge Mills, Mill Street East, Dewsbury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd May 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A25NW (NE)	1822	2	424700 421200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Henry Day & Sons Ltd Licence Number: 2/27/13/163 Permit Version: 100 Location: River Calder - Dewsbury Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 91 Yearly Rate (m3): 15000 Details: Savile Bridge Mills, Dewsbury, West Yorkshire Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A24NE (NE)	1824	2	424560 421290
	Water Abstractions Operator: Aronstead Limited Licence Number: 2/27/13/129 Permit Version: 100 Location: River Calder Authority: Environment Agency, North East Region Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 91 Yearly Rate (m3): 18200 Details: Britannia Mills, Dewsbury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th March 1978 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(NE)	1862	2	424510 421360
	Water Abstractions Operator: Aronstead Limited Licence Number: 2/27/13/129 Permit Version: 100 Location: River Calder - Britannia Mills Dewsbury Authority: Environment Agency, North East Region Abstraction: Textiles & Leather: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Britannia Mills, Dewsbury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th March 1978 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(NE)	1862	2	424510 421360
	Water Abstractions Operator: Thomas Chadwick & Sons Ltd Licence Number: 2/27/13/169 Permit Version: 100 Location: Borehole - Coal Measures - Dewsbury Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: East Mills, Dewsbury, Wets Yorkshire Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th April 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A25NW (NE)	1943	2	424900 421200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: <90% Superficial Thickness: 3-10m Superficial Recharge: No Data	A13SW (NW)	0	4	423663 419656
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (NW)	0	4	423663 419656
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (NW)	0	4	423663 419656
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NW (N)	0	2	423663 419668
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied	A13NW (N)	0	2	423661 419671
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	28	2	423704 419630
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	31	2	423706 419629
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	43	2	423716 419622
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	44	2	423717 419621
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	58	2	423731 419617
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	58	2	423731 419619
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	78	2	423762 419708
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	99	2	423770 419607
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	99	2	423771 419607

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	103	2	423775 419606
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	106	2	423777 419606
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	122	2	423794 419604
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (E)	124	2	423796 419603
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	141	2	423812 419598
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (E)	142	2	423812 419598
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	148	2	423820 419599
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (E)	150	2	423821 419599
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	160	2	423832 419599
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	161	2	423840 419735
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (E)	162	2	423835 419601
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (NE)	171	2	423795 419814
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	172	2	423793 419817
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (NE)	172	2	423803 419808
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	173	2	423805 419807
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	173	2	423799 419812

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	173	2	423791 419819
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (NE)	173	2	423809 419804
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (NE)	173	2	423791 419819
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	174	2	423811 419803
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (NE)	174	2	423781 419830
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (NE)	175	2	423773 419838
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	176	2	423779 419834
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (NE)	176	2	423817 419799
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	178	2	423769 419845
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (NE)	178	2	423765 419848
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	179	2	423825 419795
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (NE)	179	2	423826 419795
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	180	2	423763 419851
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	180	2	423828 419793
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	181	2	423831 419792
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (NE)	181	2	423831 419792

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (NE)	181	2	423761 419854
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	182	2	423757 419858
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	182	2	423856 419753
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (NE)	183	2	423834 419790
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (NE)	183	2	423755 419860
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	184	2	423837 419790
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	185	2	423751 419864
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	185	2	423749 419866
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	189	2	423862 419598
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	189	2	423745 419872
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	189	2	423684 419890
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (E)	189	2	423863 419598
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	193	2	423681 419894
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	198	2	423679 419899
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	198	2	423679 419900
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	203	2	423676 419905

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	206	2	423879 419596
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	207	2	423674 419909
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	207	2	423674 419909
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	211	2	423759 419890
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	215	2	423763 419893
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (E)	215	2	423889 419596
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	220	2	423894 419596
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	220	2	423672 419923
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (NE)	221	2	423769 419896
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	222	2	423695 419922
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	224	2	423774 419897
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	224	2	423697 419924
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	226	2	423692 419927
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	226	2	423696 419926
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	227	2	423723 419922
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (E)	227	2	423902 419596

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	228	2	423661 419931
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	228	2	423696 419928
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	229	2	423665 419931
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	231	2	423906 419596
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	231	2	423694 419931
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (E)	234	2	423917 419621
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	236	2	423921 419625
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NW (N)	236	2	423655 419938
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	237	2	423917 419607
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (E)	237	2	423913 419596
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (E)	237	2	423927 419673
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	240	2	423930 419680
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	240	2	423701 419939
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	241	2	423681 419943
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	241	2	423652 419943
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	241	2	423705 419940

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	243	2	423680 419944
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	245	2	423715 419942
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (NE)	246	2	423785 419915
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	247	2	423714 419944
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	248	2	423713 419946
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	248	2	423713 419945
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	151	2	423777 419803
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	229	2	423665 419931
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 552.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13SE (S)	57	5	423697 419561
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 116.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13NE (NE)	132	5	423783 419771
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 534.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13NE (NE)	132	5	423783 419771

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 2157.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Calder and Hebble Navigation Catchment Name: Aire and Calder Primacy: 2	A13NE (NE)	159	5	423783 419808
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 92.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13SE (E)	172	5	423860 419644
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13SW (SW)	357	5	423339 419432
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13SW (SW)	369	5	423327 419429
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A12SE (SW)	412	5	423289 419408
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A12SE (SW)	418	5	423288 419399
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 142.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A12SE (SW)	421	5	423288 419394
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 240.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A8NW (S)	423	5	423548 419206
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A12NE (NW)	454	5	423281 419949

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 517.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A8NE (SE)	456	5	423865 419200
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 117.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A12NE (NW)	468	5	423264 419949
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 255.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A8NE (S)	530	5	423781 419094
60	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 5.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7NE (SW)	551	5	423184 419316
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7NE (SW)	557	5	423179 419313
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7NE (SW)	561	5	423175 419311
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7NE (SW)	562	5	423183 419298
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7NE (SW)	562	5	423187 419292
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7NE (SW)	563	5	423192 419285

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 99.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7NE (SW)	564	5	423212 419259
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7NE (SW)	565	5	423172 419308
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7NE (SW)	569	5	423169 419306
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 89.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7NE (SW)	571	5	423166 419306
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A8NW (S)	571	5	423642 419041
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 287.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Calder Catchment Name: Aire and Calder Primacy: 1	A18SE (N)	605	5	423886 420265
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 163.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A8NE (SE)	615	5	423935 419057
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Calder Catchment Name: Aire and Calder Primacy: 1	A18SE (N)	620	5	423811 420305
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 308.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Calder Catchment Name: Aire and Calder Primacy: 2	A18SE (N)	624	5	423775 420316

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 315.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Calder Catchment Name: Aire and Calder Primacy: 1	A18SE (N)	625	5	423799 420312
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 107.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7NE (SW)	631	5	423215 419159
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7NE (SW)	644	5	423082 419302
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 426.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7NE (SW)	659	5	423071 419290
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 259.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A9NW (SE)	709	5	424103 419051
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A19SW (NE)	717	5	424092 420277
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 705.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Calder Catchment Name: Aire and Calder Primacy: 1	A19SW (NE)	725	5	424082 420293
82	OS Water Network Lines Watercourse Form: Lock or flight of locks Watercourse Length: 22.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Calder and Hebble Navigation Catchment Name: Aire and Calder Primacy: 2	A17SE (NW)	822	5	423095 420298
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 115.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Calder Catchment Name: Aire and Calder Primacy: 1	A18NW (N)	823	5	423591 420523

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 653.8 Watercourse Level: On ground surface Permanent: False Watercourse Name: River Calder Catchment Name: Aire and Calder Primacy: 2	A18NW (N)	823	5	423591 420523
85	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 41.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Calder and Hebble Navigation Catchment Name: Aire and Calder Primacy: 2	A17SE (NW)	834	5	423074 420293
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18NE (N)	847	5	423677 420549
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 324.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Calder Catchment Name: Aire and Calder Primacy: 1	A18NW (N)	849	5	423475 420531
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18NW (N)	849	5	423475 420531
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18NE (N)	858	5	423672 420560
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18NE (N)	858	5	423673 420561
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 61.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18NW (N)	859	5	423653 420562
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18NW (N)	859	5	423653 420562

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18NE (N)	863	5	423686 420566
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18NE (N)	864	5	423684 420566
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 960.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Calder Catchment Name: Aire and Calder Primacy: 1	A17SE (NW)	871	5	423037 420308
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 210.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Calder Catchment Name: Aire and Calder Primacy: 1	A17SE (NW)	871	5	423041 420313
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18NW (N)	902	5	423476 420585
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 577.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Spen River Catchment Name: Aire and Calder Primacy: 1	A17NE (NW)	919	5	423170 420478

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
99	BGS Recorded Landfill Sites Site Name: Thornhill Power Stn Location: Calder Rd, RAVENSTHORPE, West Yorkshire Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate	A12NW (W)	759	-	422880 419675
100	Historical Landfill Sites Licence Holder: James Austin and Sons Limited Location: Thornhill Steel Works, Dewsbury Name: Forge Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04230 First Input Date: 31st December 1947 Last Input Date: 30th June 1989 Specified Waste Type: Deposited Waste included Inert, Industrial and Commercial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4700/0763 BGS Ref: Not Supplied Other Ref: 4700/0030	A13NE (NE)	24	2	423707 419695
101	Historical Landfill Sites Licence Holder: C R Longley and Company Limited Location: Thornhill Lees, Dewsbury Name: Land ar Ravensthorpe Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04177 First Input Date: 31st October 1985 Last Input Date: 31st December 1986 Specified Waste Type: Deposited Waste included Inert and Commercial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4700/0840 BGS Ref: Not Supplied Other Ref: 500, 4700/0756	A12NE (NW)	661	2	423034 419931
102	Historical Landfill Sites Licence Holder: C R Longley Ltd Location: Ravensthorpe Road, Dewsbury, Thornhill Lees, West Yorkshire Name: C R Longley Ltd Operator Location: Ravensthorpe Road, Dewsbury, Thornhill Lees, West Yorkshire Boundary Accuracy: As Supplied Provider Reference: EAHLD35738 First Input Date: 31st December 1900 Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Inert, Industrial and Special Waste EA Waste Ref: 61017 Regis Ref: YQ1/L/JOH001 WRC Ref: 4700/0741 BGS Ref: Not Supplied Other Ref: 48, NE4654	A12NE (W)	666	2	422996 419838
103	Historical Landfill Sites Licence Holder: Not Supplied Location: Calder Road, Ravensthorpe, West Yorkshire Name: Thornhill Power Station Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD31749 First Input Date: 31st December 1923 Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Inert and Industrial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: 2799 Other Ref: Not Supplied	A12NW (W)	759	2	422881 419676

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
104	Licensed Waste Management Facilities (Landfill Boundaries) Name: Thornhill Quarry Landfill Epr/Lp3330xp Licence Number: 0 Location: Thornhill Quarry Landfill Site, Calder Road, Ravensthorpe, West Yorkshire, WF12 9EA Licence Holder: Demex Limited Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Waste Landfilling; >10 T/D with Capacity >25,000T Excluding Inert Waste Max Input Rate: Not Supplied Licence Status: Effective Issued: 20th January 2016 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A18SW (NW)	456	2	423414 420085
105	Licensed Waste Management Facilities (Landfill Boundaries) Name: C R Longley Ltd Licence Number: 61017 Location: Land/premises At, Ravensthorpe Road, Thornhill Lees, Dewsbury, West Yorkshire, WF12 9EF Licence Holder: C R Longley And Company Limited Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Industrial Waste Landfills Max Input Rate: Not Supplied Licence Status: Inactive Issued: 13th April 1992 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A12NE (W)	667	2	422996 419838
106	Licensed Waste Management Facilities (Locations) Licence Number: 402501 Location: Forge Lane Quarry, Forge Lane, Thornhill, Dewsbury, West Yorkshire, WF12 9BU Operator Name: Forge Lane Quarry Limited Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Use of waste in a deposit for recovery op Licence Status: Issued Issued: 6th May 2016 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	615	2	423970 420235
107	Licensed Waste Management Facilities (Locations) Licence Number: 61044 Location: Thornhill Quarry, Ravensthorpe Road, Ravensthorpe, Dewsbury, West Yorkshire, WF12 9EA Operator Name: Demex Limited Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Other Landfill Sites Taking Special Waste Licence Status: To PPC Issued: 10th January 1994 Last Modified: 30th June 2004 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: LP3330XP Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	615	2	423300 420200
108	Licensed Waste Management Facilities (Locations) Licence Number: 61017 Location: Ravensthorpe Road, Thornhill Lees, Dewsbury, West Yorkshire, WF12 9EF Operator Name: C R Longley And Company Limited Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Industrial Waste Landfills Licence Status: Surrendered Issued: 13th April 1992 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 8th July 2010 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NE (W)	653	2	423010 419838

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
109	Licensed Waste Management Facilities (Locations) Licence Number: 61022 Location: Land/premises At, Ravenswharfe Road, Scout Hill, Dewsbury, West Yorkshire, WF13 3RD Operator Name: Hinchcliffe Roy Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Transferred Issued: 26th February 1993 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NW (N)	940	2	423342 420586
	Local Authority Landfill Coverage Name: Kirklees Metropolitan Borough Council - Has not been able to supply Landfill data		0	6	423663 419656
110	Registered Landfill Sites Licence Holder: James Austin & Sons Ltd Licence Reference: 30 Site Location: Thornhill Steelworks, Dewsbury, West Yorkshire Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Undefined Waste Source: Only waste produced on site Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 23rd June 1977 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate Authorised Waste: Constr'N/Demol. Inert/Non-Haz/Non-Tox Ind. Non-Haz. Inert, Non-Flammable Prohibited Waste: Poisonous, Noxious, Polluting Wastes	A13NE (E)	104	2	423794 419672
111	Registered Landfill Sites Licence Holder: Demex Ltd Licence Reference: 1348 Site Location: Thornhill Quarry, Ravensthorpe Road, Dewsbury, West Yorkshire Licence Easting: 423300 Licence Northing: 420200 Operator Location: Bernera Works, Holmes Industrial Estate, Psalter Lane, ROTHERHAM, South Yorkshire, S61 1DQ Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Operational as far as is knownOperational Dated: 1st January 1994 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Ash Bagged Asbestos Insulation Material Foundry Sand Max.Waste Permitted By Licence Uncontam. Bricks,Stone,Solid Concrete& Uncontam. Earth, Excavation Waste Prohibited Waste: Poisonous, Noxious And Polluting N.O.S Waste N.O.S.	A17SE (NW)	615	2	423300 420200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
112	Registered Landfill Sites Licence Holder: C R Longley & Co Ltd Licence Reference: 980 Site Location: Ravensthorpe Road, Thornhill Lees, DEWSBURY, West Yorkshire, WF12 9EF Licence Easting: 422980 Licence Northing: 419860 Operator Location: Ravensthorpe Road, Thornhill Lees, DEWSBURY, West Yorkshire, WF12 9EF Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: Only waste produced on site Restrictions: Status: Operational as far as is known Dated: 1st April 1992 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Breeze Blocks, Building Sand, Gravel, Tiles, Other Ceramic Mats, Slate Concrete/Cement Slurry Max.Waste Permitted By Licence Uncontam. Earth/Excav'N Waste Uncontam.Brick,Stone,Solid Concrete, Prohibited Waste: Liable To Cause Environmental Hazards Poisonous, Noxious, Polluting Wastes Special Wastes (As In '96 Regs) Waste N.O.S.	A12NW (W)	688	2	422980 419860
112	Registered Landfill Sites Licence Holder: C R Longley & Co Ltd Licence Reference: 500 Site Location: Ravensthorpe Road, Thornhill Lees, DEWSBURY, West Yorkshire, WF12 9EF Licence Easting: 422950 Licence Northing: 419900 Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Dated: 1st October 1985 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Construction And Demolition Wastes Excavated Natural Materials \$ Prohibited Waste: Liable To Cause Enviromental Hazards Poisonous, Noxious, Polluting Wastes	A12NW (W)	728	2	422950 419900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
113	Registered Waste Transfer Sites Licence Holder: R Hinchcliffe Licence Reference: 1000 Site Location: Ravensthorpe Road, Scout Hill, Dewsbury, West Yorkshire Operator Location: Hinbros House, Ravenswharfe road, Scout Hill, DEWSBURY, West Yorkshire, WF13 3RE Authority: Environment Agency - North East Region, Ridings Area Site Category: Transfer Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 1st March 1999 Preceded By: 1000 Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Bulky Household Waste Max.Storage In Licence Max.Waste Permitted By Licence Uncontam. Com./Ind. Waste Prohibited Waste: Animal And Food Wastes W. Likely To Pollute Environment N.O.S W. With Pot'L Harm Human Health N.O.S Waste N.O.S.	A17NE (NW)	969	2	423250 420580
113	Registered Waste Transfer Sites Licence Holder: Hinchcliffe Bros. (Skip Hire) 1985 Ltd Licence Reference: 1000 Site Location: Ravensthorpe Road, Scout Hill, Dewsbury, West Yorkshire Operator Location: Hinbros House, Ravensknowle Road, Dewsbury, West Yorkshire Authority: Environment Agency - North East Region, Ridings Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Record supersededSuperseded Dated: 1st November 1996 Preceded By: 1000 Licence: Superseded By: 1000 Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Breeze Blocks, Building Sand, Gravel, Tiles, Other Ceramic Matls, Slate Concrete/Cement Slurry Max.Waste Permitted By Licence Uncontam. Earth/Excav'N Waste Uncontam.Brick,Stone,Solid Concrete, Prohibited Waste: Liable To Cause Environmental Hazards Poisonous, Noxious, Polluting Wastes Special Wastes (As In '96 Regs) Waste N.O.S.	A17NE (NW)	969	2	423250 420580
113	Registered Waste Transfer Sites Licence Holder: Hinchcliffe Bros. (Skip Hire) 1985 Ltd Licence Reference: 1000 Site Location: Hinbros House, Ravensthorpe Terrace, Scout Hill, Dewsbury, West Yorkshire Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Transfer Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Record supersededSuperseded Dated: 26th February 1993 Preceded By: Not Given Licence: Superseded By: 1000 Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Bulky Household Waste Max.Storage In Licence Max.Waste Permitted By Licence Uncontam. Com. & Ind. Waste Prohibited Waste: Animal And Food Wastes Liable To Cause Environmental Hazards Poisonous, Noxious, Polluting Wastes	A17NE (NW)	969	2	423250 420580

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
114	Registered Waste Treatment or Disposal Sites Licence Holder: Kirklees Waste Services Ltd Licence Reference: Eawml65180 Site Location: Thornhill Integrated Waste Man. Facility, Dewsbury, West Yorkshire Operator Location: Lancashire House, 24 Winckley Square, Preston, Lancashire, Pr1 3jj Authority: Environment Agency - North East Region, Ridings Area Site Category: Transfer - with treatment Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 25th April 2001 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Household/Commercial/Industrial Waste (Inferred From Regis Listing) New Licence, Wastes Not To Hand	A23SW (N)	999	2	423600 420700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Pennine Lower Coal Measures Formation And South Wales Lower Coal Measures Formation (Undifferentiated)	A13SW (NW)	0	1	423663 419656
115	BGS Recorded Mineral Sites Site Name: Cromwell Colliery Brick Field Location: Thornhill Lees, Thornhill Edge, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 137965 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	496	1	423382 419203
116	BGS Recorded Mineral Sites Site Name: Forge Lane Quarry Location: Dewsbury, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 226070 Type: Opencast Status: Active Operator: Dewsbury Sand & Gravel Ltd. Operator Location: Not Supplied Periodic Type: Quaternary Geology: River Terrace Deposits (Undifferentiated) Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A18SW (N)	550	1	423655 420252
117	BGS Recorded Mineral Sites Site Name: Ingham'S Occs Location: Thornhill, Dewsbury, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13359 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Coal - Opencast Positional Accuracy: Located by supplier to within 10m	A8NE (S)	578	1	423870 419070
118	BGS Recorded Mineral Sites Site Name: Croy Royd Location: Thornhill Lees, Thornhill Edge, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 137966 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Lepton Edge Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12SE (W)	594	1	423051 419534
119	BGS Recorded Mineral Sites Site Name: Cromwell Colliery Location: Thornhill Lees, Thornhill Edge, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 137961 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	614	1	423313 419107

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
120	BGS Recorded Mineral Sites Site Name: Thornhill Gravel Pit Location: Thornhill Lees, Dewsbury, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 2575 Type: Opencast Status: Ceased Operator: Tarmac - Eastern Operator Location: Not Supplied Periodic Type: Quaternary Geology: River Calder Gravel Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	618	1	423270 420180
121	BGS Recorded Mineral Sites Site Name: Thornhill Gravel Pit Location: Thornhill Lees, Dewsbury, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 226670 Type: Opencast Status: Ceased Operator: Tarmac - Eastern Operator Location: Not Supplied Periodic Type: Quaternary Geology: River Terrace Deposits (Undifferentiated) Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	681	1	423099 420085
122	BGS Recorded Mineral Sites Site Name: Ingham'S Pit Location: Thornhill, Dewsbury, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13360 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8SE (SE)	722	1	423980 418960
123	BGS Recorded Mineral Sites Site Name: Cromwell Colliery, Ings Pit Location: Thornhill Lees, Thornhill Edge, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 137964 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	806	1	424085 418922
124	BGS Recorded Mineral Sites Site Name: Cromwell Colliery, Ings Drift Location: Thornhill Lees, Thornhill Edge, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 137963 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	877	1	424128 418865
125	BGS Recorded Mineral Sites Site Name: Headfield Location: Savile Town, Dewsbury, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 109842 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	880	1	424459 420106

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
126	BGS Recorded Mineral Sites Site Name: Headfield Quarry Location: Savile Town, Dewsbury, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 109843 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	912	1	424353 420304
127	BGS Recorded Mineral Sites Site Name: Ouzelwell Hall Shaft Location: Fox Royd, Thornhill Edge, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 137962 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	1000	1	423073 418802
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13SW (NW)	0	7	423663 419656
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SW (NW)	0	-	423663 419656
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	423663 419656
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	423664 419658
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	423664 419658
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	423663 419656
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	123	1	423547 419751
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	423663 419656
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	423663 419656
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	423664 419658
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	423663 419656
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	172	1	423801 419810

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	423663 419656
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	423664 419658
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	203	1	423457 419535
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	423663 419676
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	423663 419656
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	423663 419676
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	423663 419656

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
128	Contemporary Trade Directory Entries Name: Lafarge Aggregates Ltd Location: Lees Hall Rd, Dewsbury, West Yorkshire, WF12 9EQ Classification: Concrete & Mortar Ready Mixed Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13NW (W)	171	-	423481 419730
128	Contemporary Trade Directory Entries Name: N Tyres Yorkshire Ltd Location: Unit 3, 420, Lees Hall Road, Dewsbury, WF12 9EQ Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (NW)	186	-	423474 419752
128	Contemporary Trade Directory Entries Name: Faster Fit Tyres Location: 420, Lees Hall Road, Dewsbury, WF12 9EQ Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (NW)	186	-	423474 419752
129	Contemporary Trade Directory Entries Name: Lafarge Readymix Location: Lees Hall Road, Dewsbury, West Yorkshire, WF12 9EQ Classification: Concrete & Mortar Ready Mixed Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	207	-	423544 419872
130	Contemporary Trade Directory Entries Name: Process Combustion Control Ltd Location: St. Annes House, 399, Lees Hall Road, Dewsbury, West Yorkshire, WF12 9HB Classification: Furnaces Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	261	-	423906 419504
131	Contemporary Trade Directory Entries Name: Leonard Broadhead & Sons Location: 25, Ravensthorpe Road, Dewsbury, West Yorkshire, WF12 9EE Classification: Pet Foods & Animal Feeds Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	268	-	423380 419732
131	Contemporary Trade Directory Entries Name: Geek Cars Location: 33, Ravensthorpe Road, Dewsbury, WF12 9EE Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	315	-	423334 419741
132	Contemporary Trade Directory Entries Name: Tarmac Location: Lees Hall Road, Dewsbury, West Yorkshire, WF12 9EQ Classification: Concrete Products Status: Active Positional Accuracy: Manually positioned within the geographical locality	A13NW (NW)	340	-	423348 419843
133	Contemporary Trade Directory Entries Name: Hirst Electrical Ltd Location: Unit 9 Empire Works, Brewery La, Dewsbury, West Yorkshire, WF12 9HQ Classification: Electrical Engineers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14NW (E)	346	-	424036 419674
134	Contemporary Trade Directory Entries Name: Raza Laundry Service Location: 43, Brewery Lane, Dewsbury, West Yorkshire, WF12 9DZ Classification: Laundries & Launderettes Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	420	-	424097 419781
134	Contemporary Trade Directory Entries Name: Raza Laundry Service Location: 43, Brewery Lane, Dewsbury, WF12 9DZ Classification: Laundries & Launderettes Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (E)	420	-	424097 419781

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
135	Contemporary Trade Directory Entries Name: Universal Press Services Location: Lees Hall Road, Dewsbury, West Yorkshire, WF12 9EQ Classification: Machine Tool Accessories & Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	461	-	423332 420024
135	Contemporary Trade Directory Entries Name: Lafarge Readymix Location: Lees Hall Road, Dewsbury, West Yorkshire, WF12 9EQ Classification: Concrete Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	461	-	423332 420024
135	Contemporary Trade Directory Entries Name: Glenway Coaches Ltd Location: Lees Hall Road, Dewsbury, West Yorkshire, WF12 9EQ Classification: Bus & Coach Operators & Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	461	-	423332 420024
136	Contemporary Trade Directory Entries Name: Progress Plant Location: Progress Group, Dale Works, Brewery Lane, Dewsbury, WF12 9HU Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	472	-	424004 420030
136	Contemporary Trade Directory Entries Name: Progress Plant Location: Dale Works, Brewery Lane, Dewsbury, West Yorkshire, WF12 9HU Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	472	-	424004 420030
137	Contemporary Trade Directory Entries Name: Progress Group Ltd Location: Dale Works, Brewery Lane, Dewsbury, West Yorkshire, WF12 9HU Classification: Generators - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	514	-	424118 419962
137	Contemporary Trade Directory Entries Name: J Kilkenny Location: Dale Works, Brewery Lane, Dewsbury, West Yorkshire, WF12 9HU Classification: French Polishing Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	514	-	424118 419962
137	Contemporary Trade Directory Entries Name: Progress Group Location: Dale Works, Brewery Lane, Dewsbury, West Yorkshire, WF12 9HU Classification: Generators - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	514	-	424118 419962
137	Contemporary Trade Directory Entries Name: D B P Location: Dale Works, Brewery Lane, Dewsbury, West Yorkshire, WF12 9HU Classification: Polythene & Plastic Sheetting Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	530	-	424119 419989
137	Contemporary Trade Directory Entries Name: Dewsbury Building Plastics Location: Dale Works, Brewery Lane, Dewsbury, West Yorkshire, WF12 9HU Classification: Fascias and Soffits Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	532	-	424112 420002
137	Contemporary Trade Directory Entries Name: Freestyle Music Location: Dale Works, Brewery Lane, Dewsbury, West Yorkshire, WF12 9HU Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	532	-	424112 420002
138	Contemporary Trade Directory Entries Name: A J S Motor Engineers Location: Unit 2, Lees Hall, Lees Hall Road, Dewsbury, West Yorkshire, WF12 9EQ Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	514	-	423254 420016

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
139	Contemporary Trade Directory Entries Name: Cempak Location: Forge La, Dewsbury, West Yorkshire, WF12 9BU Classification: Sand, Gravel & Other Aggregates Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18SE (NE)	549	-	423972 420156
140	Contemporary Trade Directory Entries Name: Emerald Print Finishers Ltd Location: Ratcliffe Mills, Forge Lane, Dewsbury, West Yorkshire, WF12 9BU Classification: Print Finishers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	577	-	423932 420212
140	Contemporary Trade Directory Entries Name: Chapel Products Location: Ratcliffe Mills, Forge Lane, Dewsbury, West Yorkshire, WF12 9BU Classification: Car Accessories Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	577	-	423932 420212
140	Contemporary Trade Directory Entries Name: Northern Coating Contractors Ltd Location: Ratcliffe Mills, Forge Lane, Dewsbury, West Yorkshire, WF12 9BU Classification: Spraying - Paint & Coatings Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	577	-	423932 420212
140	Contemporary Trade Directory Entries Name: Slok Uk Textile Ltd Location: Ratcliffe Mills, Forge Lane, Dewsbury, West Yorkshire, WF12 9BU Classification: Textile Manufacturing Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	577	-	423932 420212
140	Contemporary Trade Directory Entries Name: Layzee-Night Location: Ratcliffe Mills, Forge Lane, Dewsbury, West Yorkshire, WF12 9BU Classification: Bed & Mattress Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	577	-	423932 420212
140	Contemporary Trade Directory Entries Name: M & L Coatings Location: Ratcliffe Mills, Forge Lane, Dewsbury, West Yorkshire, WF12 9BU Classification: Powder Coatings Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	577	-	423932 420212
140	Contemporary Trade Directory Entries Name: Jay-B Ltd Location: Ratcliffe Mills, Forge Lane, Dewsbury, West Yorkshire, WF12 9BU Classification: Furniture Manufacturers - Home & Office Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	577	-	423932 420212
140	Contemporary Trade Directory Entries Name: Cempak Location: Ratcliffe Mills, Forge Lane, Dewsbury, West Yorkshire, WF12 9BU Classification: Sand, Gravel & Other Aggregates Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	577	-	423932 420212
140	Contemporary Trade Directory Entries Name: Sands Location: Ratcliffe Mills, Forge La, Dewsbury, West Yorkshire, WF12 9BU Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	577	-	423932 420212
141	Contemporary Trade Directory Entries Name: Victoria Motor Location: Slaithwaite Road, DEWSBURY, West Yorkshire, WF12 9DJ Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	640	-	424252 419986
142	Contemporary Trade Directory Entries Name: Heatseam Ltd Location: Ravensthorpe Road, Dewsbury, West Yorkshire, WF12 9EG Classification: Floorcoverings - Manufacturers & Wholesalers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A12NE (W)	645	-	423008 419795

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
142	Contemporary Trade Directory Entries Name: Longley Concrete Group Location: Ravensthorpe Road, Dewsbury, West Yorkshire, WF12 9EF Classification: Concrete Products Status: Active Positional Accuracy: Manually positioned to the address or location	A12NE (W)	651	-	423013 419842
143	Contemporary Trade Directory Entries Name: Euro Fence Coatings Location: Forge Lane, Dewsbury, West Yorkshire, WF12 9BU Classification: Powder Coatings Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	658	-	424024 420251
143	Contemporary Trade Directory Entries Name: F1 Tyres Location: Ratcliffe Mills, Forge Lane, Dewsbury, West Yorkshire, WF12 9BU Classification: Tyre Dealers Status: Active Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	679	-	424064 420250
143	Contemporary Trade Directory Entries Name: Colour-Pro Powder Coatings Ltd Location: Unit 10, Ratcliffe Mills, Forge Lane, Dewsbury, WF12 9BU Classification: Powder Coatings Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	679	-	424064 420250
144	Contemporary Trade Directory Entries Name: Sweetheat Location: 16, Millwater Avenue, DEWSBURY, West Yorkshire, WF12 9QN Classification: Catering Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	702	-	423937 420348
145	Contemporary Trade Directory Entries Name: Printaz Location: Unit 2, Ravensthorpe Road, Dewsbury, West Yorkshire, WF12 9EF Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A12NW (W)	764	-	422902 419866
146	Contemporary Trade Directory Entries Name: Go 4 Spares Location: Pioneer Street, Dewsbury, West Yorkshire, WF12 0AH Classification: Laundry & Dry Cleaning Supplies Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A14SE (E)	777	-	424438 419469
147	Contemporary Trade Directory Entries Name: A & S Printing Services Location: Unit 8, Dewsbury Mills, Thornhill Rd, Dewsbury, West Yorkshire, WF12 9QE Classification: Printers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19NW (NE)	792	-	424082 420374
147	Contemporary Trade Directory Entries Name: A & S Transferprints Ltd Location: Unit 4b, Thornhill Road, DEWSBURY, West Yorkshire, WF12 9QE Classification: Lithographic Plate Makers Status: Active Positional Accuracy: Automatically positioned to the address	A19NW (NE)	819	-	424071 420412
148	Contemporary Trade Directory Entries Name: A & G Scaffolding Services Ltd Location: Back Slaithwaite Road, Dewsbury, West Yorkshire, WF12 9DS Classification: Scaffolding & Work Platforms Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (NE)	824	-	424453 419988
149	Contemporary Trade Directory Entries Name: J R S Location: Unit 2, Dewsbury Mills, Thornhill Rd, Dewsbury, West Yorkshire, WF12 9QE Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19NW (NE)	833	-	424042 420444
150	Contemporary Trade Directory Entries Name: Cleanaway Ltd Location: Calder Garage, Ravensthorpe Rd, Dewsbury, West Yorkshire, WF12 9EG Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A12NW (W)	836	-	422833 419886

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
150	Contemporary Trade Directory Entries Name: Veolia Environmental Services Ltd Location: Ravensthorpe Road, Dewsbury, WF12 9EG Classification: Waste Disposal Services Status: Active Positional Accuracy: Automatically positioned to the address	A12NW (W)	837	-	422831 419881
151	Contemporary Trade Directory Entries Name: K D Wigglesworth Location: Ravensthorpe Road, Dewsbury, West Yorkshire, WF12 9ED Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	841	-	422846 419946
152	Contemporary Trade Directory Entries Name: Holding Co Tristar Sports Ltd Location: Unit 5d Dewsbury Mills, Thornhill Rd, Dewsbury, West Yorkshire, WF12 9QE Classification: Screen Process Printers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19NW (NE)	850	-	424102 420430
152	Contemporary Trade Directory Entries Name: Traffic Light Rentals Location: Dewsbury Mills, Thornhill Rd, Dewsbury, West Yorkshire, WF12 9QE Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A19NW (NE)	858	-	424072 420456
152	Contemporary Trade Directory Entries Name: Joinery Spray Finishers Location: Unit 5c, Dewsbury Mills, Thornhill Road, Dewsbury, WF12 9QE Classification: Spraying - Paint & Coatings Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	861	-	424102 420442
153	Contemporary Trade Directory Entries Name: Rustyvespa Location: Unit 8 Dewsbury Mills, Thornhill Road, Dewsbury, West Yorkshire, WF12 9QE Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	875	-	424021 420501
153	Contemporary Trade Directory Entries Name: Calder Textiles Location: Anchor House, Dewsbury Mills, Thornhill Road, Dewsbury, West Yorkshire, WF12 9QE Classification: Textile Manufacturing Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (N)	885	-	424014 420515
153	Contemporary Trade Directory Entries Name: Calder Group Location: Anchor House Dewsbury Mills, Thornhill Road, Dewsbury, West Yorkshire, WF12 9QE Classification: Textile Manufacturing Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A19NW (N)	885	-	424014 420514
153	Contemporary Trade Directory Entries Name: Anchor Carpets Ltd Location: Anchor House, Dewsbury Mills, Thornhill Road, Dewsbury, West Yorkshire, WF12 9QE Classification: Carpets & Rugs - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (N)	885	-	424014 420515
153	Contemporary Trade Directory Entries Name: V F M Products Ltd Location: Anchor House, Thornhill Rd, Dewsbury, West Yorkshire, WF12 9QE Classification: Paint Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19NW (N)	885	-	424014 420514
153	Contemporary Trade Directory Entries Name: Burdekin Combustion Location: Anchor House, Dewsbury Mills, Thornhill Road, Dewsbury, West Yorkshire, WF12 9QE Classification: Engineers - General Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19NW (N)	885	-	424014 420515

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
153	Contemporary Trade Directory Entries Name: Kingfisher Printing & Products Location: Anchor House, Dewsbury Mills, Thornhill Road, Dewsbury, West Yorkshire, WF12 9QE Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (N)	885	-	424014 420515
153	Contemporary Trade Directory Entries Name: General Haulage Co Ltd Location: Anchor House, Thornhill Road, Dewsbury, West Yorkshire, WF12 9QE Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A19NW (N)	885	-	424014 420514
153	Contemporary Trade Directory Entries Name: Mark Brooke (Textile Waste) Ltd Location: Dewsbury Mills, Thornhill Rd, Dewsbury, West Yorkshire, WF12 9QE Classification: Waste Merchants Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19NW (NE)	908	-	424054 420522
154	Contemporary Trade Directory Entries Name: Taylor Smith Location: Calder Road, Dewsbury, WF13 3JT Classification: Steel Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	942	-	422788 420069
155	Contemporary Trade Directory Entries Name: Kirklees Recycling Location: Dewsbury Mills, Thornhill Rd, Dewsbury, West Yorkshire, WF12 9QE Classification: Recycling Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A19NW (NE)	948	-	424089 420549
156	Contemporary Trade Directory Entries Name: Balfour Beatty Power Networks Location: Calder Wharf, Ravensthorpe, Dewsbury, West Yorkshire, WF13 3JG Classification: Electrical Engineers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A17SW (NW)	953	-	422911 420289
157	Contemporary Trade Directory Entries Name: Spensborough Engineering Ltd Location: Calder Road, Dewsbury, West Yorkshire, WF12 9EA Classification: Commercial Vehicle Bodybuilders & Repairers Status: Active Positional Accuracy: Automatically positioned to the address	A12NW (W)	960	-	422724 419955
158	Contemporary Trade Directory Entries Name: Calderdale Carpets Location: Dewsbury Mills, Thornhill Road, Dewsbury, West Yorkshire, WF12 9QE Classification: Carpets & Rugs - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	963	-	423982 420611
159	Contemporary Trade Directory Entries Name: T & L Tyre & Auto Centre Location: Slaithwaite Rd, Dewsbury, West Yorkshire, WF12 0AA Classification: Tyre Dealers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14SE (E)	970	-	424658 419616
159	Contemporary Trade Directory Entries Name: Hinchcliffe'S Location: Slaithwaite Road, Dewsbury, West Yorkshire, WF12 0AA Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A14SE (E)	983	-	424671 419615
160	Contemporary Trade Directory Entries Name: A M T Ltd Location: Calder Road, Dewsbury, West Yorkshire, WF13 3JT Classification: Blast Cleaning Status: Active Positional Accuracy: Manually positioned within the geographical locality	A17SW (NW)	977	-	422737 420041

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
160	Contemporary Trade Directory Entries Name: Switch House Ltd Location: Calder Road, Dewsbury, West Yorkshire, WF12 9EA Classification: Powder Coatings Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	977	-	422737 420041
160	Contemporary Trade Directory Entries Name: Techfill Ltd Location: The Switch House, Calder Road, Dewsbury, West Yorkshire, WF12 9EA Classification: Chemicals & Allied Products Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	978	-	422737 420044
160	Contemporary Trade Directory Entries Name: Specialised Aluminium Coatings Ltd Location: The Switch House, Calder Road, Dewsbury, West Yorkshire, WF12 9EA Classification: Powder Coatings Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	978	-	422737 420044
161	Contemporary Trade Directory Entries Name: Yorkshire Distribution Services Location: Ravenswarfe Rd, Dewsbury, West Yorkshire, WF13 3RD Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A17NE (NW)	982	-	423193 420565
162	Contemporary Trade Directory Entries Name: Classic Beds Location: Unit 31, Calder Wharf Mills, Huddersfield Road, Dewsbury, West Yorkshire, WF13 3JW Classification: Bed & Mattress Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	984	-	422822 420216
162	Contemporary Trade Directory Entries Name: Sourceman Ltd Location: Unit 26c & 27, Calder Wharf Mills, Huddersfield Road, Dewsbury, West Yorkshire, WF13 3JW Classification: Metal Finishing Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	984	-	422822 420216
162	Contemporary Trade Directory Entries Name: D C Plastics Location: Unit 26c & 27, Calder Wharf Mills, Huddersfield Road, Dewsbury, West Yorkshire, WF13 3JW Classification: Plastics - Vacuum Forming Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	984	-	422822 420216
163	Fuel Station Entries Name: Wakefield Service Station Location: Slaithwaite Road, Thornhill Lees, Dewsbury, West Yorkshire, WF12 9DJ Brand: Murco Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A14NW (NE)	639	-	424251 419985

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
164	Areas of Adopted Green Belt Authority: Kirklees Metropolitan Borough Council Plan Name: Kirklees Unitary Development Plan Status: Adopted Plan Date: 1st March 1999	A13SW (S)	275	9	423634 419338
165	Areas of Unadopted Green Belt Authority: Kirklees Metropolitan Borough Council Plan Name: Kirklees Local Plan Status: Submission Draft Plan Date: 25th April 2017	A8NW (S)	406	9	423658 419206
166	Local Nature Reserves Name: Sparrow Wood Multiple Area: N Area (m2): 29682.02 Source: Natural England Designation Date: 31st March 2000	A19SW (NE)	801	8	424271 420230
167	Nitrate Vulnerable Zones Name: Spenn Beck From Source To River Calder Nvz Description: Surface Water Source: Environment Agency, Head Office	A17NE (NW)	976	4	423100 420500

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Leeds City Council - Planning and Development Environment Agency - Head Office Wakefield City Metropolitan District Council - Environmental Health Kirklees Metropolitan Borough Council - Planning Services Calderdale Metropolitan Borough Council - Environmental Health	April 2014 June 2020 March 2015 November 2013 September 2014	Annual Rolling Update Annually Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - North East Region	October 2020	Quarterly
Enforcement and Prohibition Notices Environment Agency - North East Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - North East Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - North East Region	October 2020	Quarterly
Local Authority Integrated Pollution Prevention And Control Kirklees Metropolitan Borough Council - Environmental Health Department Leeds City Council - Neighbourhoods Department Wakefield City Metropolitan District Council - Environmental Health Calderdale Metropolitan Borough Council - Environmental Health	April 2014 June 2014 June 2014 October 2014	Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls Kirklees Metropolitan Borough Council - Environmental Health Department Leeds City Council - Neighbourhoods Department Wakefield City Metropolitan District Council - Environmental Health Calderdale Metropolitan Borough Council - Environmental Health	April 2014 August 2014 June 2014 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Kirklees Metropolitan Borough Council - Environmental Health Department Leeds City Council - Neighbourhoods Department Wakefield City Metropolitan District Council - Environmental Health Calderdale Metropolitan Borough Council - Environmental Health	April 2014 June 2014 June 2014 October 2014	Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	September 2020	
Pollution Incidents to Controlled Waters Environment Agency - North East Region	December 1998	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - North East Region Environment Agency - North West Region	March 2013 March 2013	Annual Rolling Update Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - North East Region	March 2013	Annual Rolling Update
Registered Radioactive Substances Environment Agency - North East Region	June 2016	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	October 2020 October 2020	Quarterly Quarterly
Water Abstractions Environment Agency - North East Region	October 2020	Quarterly

Agency & Hydrological	Version	Update Cycle
Water Industry Act Referrals Environment Agency - North East Region	October 2017	Quarterly
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	October 2019	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	September 2020	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	September 2020	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	September 2020	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	September 2020	Quarterly
Flood Defences Environment Agency - Head Office	September 2020	Quarterly
OS Water Network Lines Ordnance Survey	September 2020	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	October 2019	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North East Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	October 2020 October 2020	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	October 2020 October 2020	Quarterly Quarterly
Local Authority Landfill Coverage Calderdale Metropolitan Borough Council - Environmental Health Kirklees Metropolitan Borough Council - Planning Services Leeds City Council - Planning and Development Wakefield City Metropolitan District Council - Environmental Health	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Calderdale Metropolitan Borough Council - Environmental Health Kirklees Metropolitan Borough Council - Planning Services Leeds City Council - Planning and Development Wakefield City Metropolitan District Council - Environmental Health	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
Registered Landfill Sites Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	March 2003 March 2003	Not Applicable Not Applicable
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Kirklees Metropolitan Borough Council - Planning Services Calderdale Metropolitan Borough Council Leeds City Council - Planning and Development Wakefield City Metropolitan District Council	August 2015 February 2016 February 2016 February 2016	Variable Variable Variable Variable
Planning Hazardous Substance Consents Kirklees Metropolitan Borough Council - Planning Services Calderdale Metropolitan Borough Council Leeds City Council - Planning and Development Wakefield City Metropolitan District Council	August 2015 February 2016 February 2016 February 2016	Variable Variable Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2020	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	October 2020	Quarterly
Fuel Station Entries Catalist Ltd - Experian	September 2020	Quarterly
Gas Pipelines National Grid	September 2020	
Underground Electrical Cables National Grid	August 2020	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	April 2020	Bi-Annually
Areas of Adopted Green Belt Calderdale Metropolitan Borough Council Kirklees Metropolitan Borough Council Leeds City Council Wakefield City Metropolitan District Council	June 2020 June 2020 June 2020 June 2020	As notified As notified As notified As notified
Areas of Unadopted Green Belt Calderdale Metropolitan Borough Council Kirklees Metropolitan Borough Council Leeds City Council Wakefield City Metropolitan District Council	June 2020 June 2020 June 2020 June 2020	As notified As notified As notified As notified
Areas of Outstanding Natural Beauty Natural England	June 2019	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	April 2020	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	July 2019	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	May 2020	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	September 2020	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Kirklees Metropolitan Borough Council - Environmental Health Department West Riding House, 9 Manchester Road, Huddersfield, West Yorkshire, HD1 3HH	Telephone: 01484 221000 Email: customer.relations@kirklees.gov.uk Website: www.kirklees.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Kirklees Metropolitan Borough Council - Planning Services PO BOX B93, Civic Centre III, Off Market Street, Huddersfield, West Yorkshire, HD1 2JR	Telephone: 01484 221000 Fax: 01484 221613 Website: www.kirklees.gov.uk
7	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
8	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
9	Kirklees Metropolitan Borough Council Town Hall, Civic Centre, Huddersfield, West Yorkshire, HD1 2TA	Telephone: 01484 221000 Fax: 01484 442768 Website: www.kirklees.gov.uk
10	Wakefield City Metropolitan District Council Newton Bar, Wakefield, West Yorkshire, WF1 2TX	Telephone: 01924 306090 Fax: 01924 378532 Website: www.wakefield.gov.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.

APPENDIX D:
Coal Mining Report

The Rafter's,
Doncaster Road,
Wragby, Wakefield
WF4 1QX

Tel: +44 (01977) 612652
Mobile: (07754) 704748
Email: timanelay@btinternet.com



Our Ref: 2296

6th October 2016

Mr M Brotherton
Fox Architecture & Design
Fox Cottage,
Whitley Road
WF12 0LU

RE: 8No Plots, 360-366 Lees Hall Road, Bradford Road, Dewsbury. WF12 9EW

TAA were commissioned to prepare a coal mining risk assessment report for the proposed development to accompany the planning application at the above site to build a 8No. Dwellings.

Attached within this report as appendix A is the coal mining report ref: 51001253407001 that relates to this site, below we have listed key points extracted from the report:

Coal Mining Issue	Yes	No	Risk Assessment
Does the property lie within a likely zone of influence of any past or present coal workings, or any future works.	Yes		2 No. Seams at between 110m – 220m depth last worked in 1931, any ground movement should have stopped
Are there any mine entries within 20m of the boundary of the property		No	No mine entries are shown to be close to the site, however additional mines may exist which are not recorded.
Opencast mining within 200m of the property		No	None
Recorded coal mining subsidence within 50m within last 20 years		No	None recorded since 1994
Record of past mine gas emissions or potential		No	None recorded
The property is in an area where coal deposits are thought to be at or close to the surface	Yes		

We have looked at the historical recorded boreholes undertaken around the development; these indicate no coal present at shallow depths. We have listed findings around the site below:
170m to the North/West – sands/gravel recorded 18m BGL

Additional information has been gained from consulting the coal authority online resource and BGS geology maps.



In conclusion, we would make the following comments / recommendations:

From the above compiled information, coal is not likely to be present at a shallow depth below the site.

2No. coal seams are recorded close to the site but at a depth of greater than 110m, however this was last worked in 1934 and all ground movement should have stopped.

Thickness of seam unknown

No licenses have been granted to undertake any coal using underground methods.

From the desk top information available the worked coal seams found are assumed to be between 110-220m the risk from this seam would be minimum, however unrecorded shallow seams may be found closer to the surface.

Based on the above information we would assess the site as low risk.

We hope this addresses your issues, however if you need any further clarification please call

Yours Sincerely

A handwritten signature in black ink, appearing to read 'T. Anelay', enclosed within a thin black oval border.

T.Anelay BSc (Hons) CEng MIStructE



The Coal
Authority

Resolving the **impacts** of mining

CON29M Non-Residential Mining Report

360 LEES HALL ROAD
DEWSBURY
WF12 9EW

Date of enquiry: 31 August 2016
Date enquiry received: 31 August 2016
Issue date: 31 August 2016

Our reference: 51001253407001
Your reference: Lees Hall Road - 1600



CON29M Non-Residential Mining Report

This report is based on, and limited to, the records held by the Coal Authority and the Cheshire Brine Subsidence Compensation Board's records, at the time we answer the search.

Client name

Mark Brotherton Ltd

Enquiry address

360 LEES HALL ROAD, DEWSBURY, WF12 9EW

How to contact us

0345 762 6848 (UK)
+44 (0)1623 637 000 (International)

200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

www.gov.uk/coalauthority

 /company/the-coal-authority

 /thecoalauthority

 /coalauthority



Approximate position of property



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Summary

Has the search report highlighted evidence or potential of		
1	Past underground coal mining	Yes
2	Present underground coal mining	No
3	Future underground coal mining	Yes
4	Mine entries	Yes
5	Coal mining geology	No
6	Past opencast coal mining	No
7	Present opencast coal mining	No
8	Future opencast coal mining	No
9	Coal mining subsidence	No
10	Mine gas	No
11	Hazards related to coal mining	No
12	Withdrawal of support	No
13	Working facilities order	No
14	Payments to owners of former copyhold land	No
15	Information from the Cheshire Brine Subsidence Compensation Board	No

For detailed findings, please go to page 4.

Detailed findings

1. Past underground coal mining

The property is in a surface area that could be affected by underground mining in 2 seams of coal at 110m to 220m depth, and last worked in 1931.

Any movement in the ground due to coal mining activity should have stopped.

In addition the property is in an area where the Coal Authority believe there is coal at or close to the surface. This coal may have been worked at some time in the past. The potential presence of coal workings at or close to the surface should be considered prior to any site works or future development activity. Your attention is drawn to the Comments on the Coal Authority information section of the report.

2. Present underground coal mining

The property is not within a surface area that could be affected by present underground mining.

3. Future underground coal mining

The property is not in an area where the Coal Authority has plans to grant a licence to remove coal using underground methods.

The property is not in an area where a licence has been granted to remove or otherwise work coal using underground methods.

The property is not in an area likely to be affected from any planned future underground coal mining.

However, reserves of coal exist in the local area which could be worked at some time in the future.

No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

4. Mine entries

There are no known coal mine entries within, or within 20 metres of, the boundary of the property.

There may however be mine entries/additional mine entries in the local area which the Coal Authority has no knowledge of.

5. Coal mining geology

The Coal Authority is not aware of any damage due to geological faults or other lines of weakness that have been affected by coal mining.

6. Past opencast coal mining

The property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

7. Present opencast coal mining

The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.

8. Future opencast coal mining

There are no licence requests outstanding to remove coal by opencast methods within 800 metres of the boundary.

The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

9. Coal mining subsidence

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres, since 31st October 1994.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

10. Mine gas

The Coal Authority has no record of a mine gas emission requiring action.

11. Hazards related to coal mining

The property has not been subject to remedial works, by or on behalf of the Authority, under its Emergency Surface Hazard Call Out procedures.

12. Withdrawal of support

The property is not in an area where a notice to withdraw support has been given.

The property is not in an area where a notice has been given under section 41 of the Coal Industry Act 1994, cancelling the entitlement to withdraw support.

13. Working facilities order

The property is not in an area where an order has been made, under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof.

14. Payments to owners of former copyhold land

The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

15. Information from the Cheshire Brine Subsidence Compensation Board

The property lies outside the Cheshire Brine Compensation District.

Comments on the Coal Authority information

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In view of the mining circumstances a prudent developer would seek appropriate technical advice before any works are undertaken.

Therefore if development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply good engineering practice developed for mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or mines of coal without the permission of the Coal Authority. Developers should be aware that the investigation of coal seams/former mines of coal may have the potential to generate and/or displace underground gases and these risks both under and adjacent to the development should be fully considered in developing any proposals. The need for effective measures to prevent gases entering into public properties either during investigation or after development also needs to be assessed and properly addressed. This is necessary due to the public safety implications of any development in these circumstances.

Additional remarks

Information provided by the Coal Authority in this report is compiled in response to the Law Society's Con29M Coal Mining and Brine Subsidence Claim enquiries. The said enquiries are protected by copyright owned by the Law Society of 113 Chancery Lane, London WC2A 1PL. Please note that Brine Subsidence Claim enquiries are only relevant for England and Wales. This report is prepared in accordance with the Law Society's Guidance Notes 2006, the User Guide 2006 and the Coal Authority and Cheshire Brine Board's Terms and Conditions applicable at the time the report was produced.

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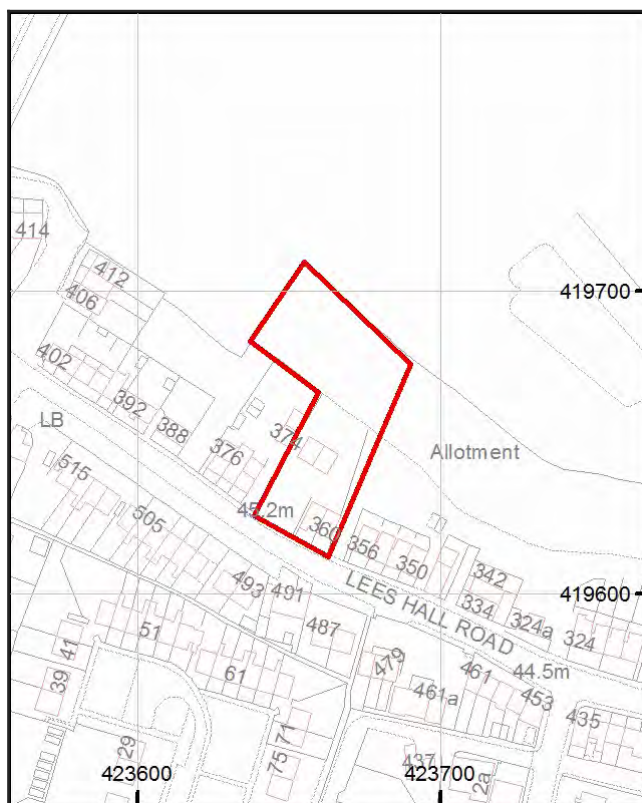
Alternative formats

If you would like this report in an alternative format, please contact our communications team.

Enquiry boundary

Key

Approximate position of enquiry boundary shown



How to contact us

0345 762 6848 (UK)
+44 (0)1623 637 000 (International)

200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

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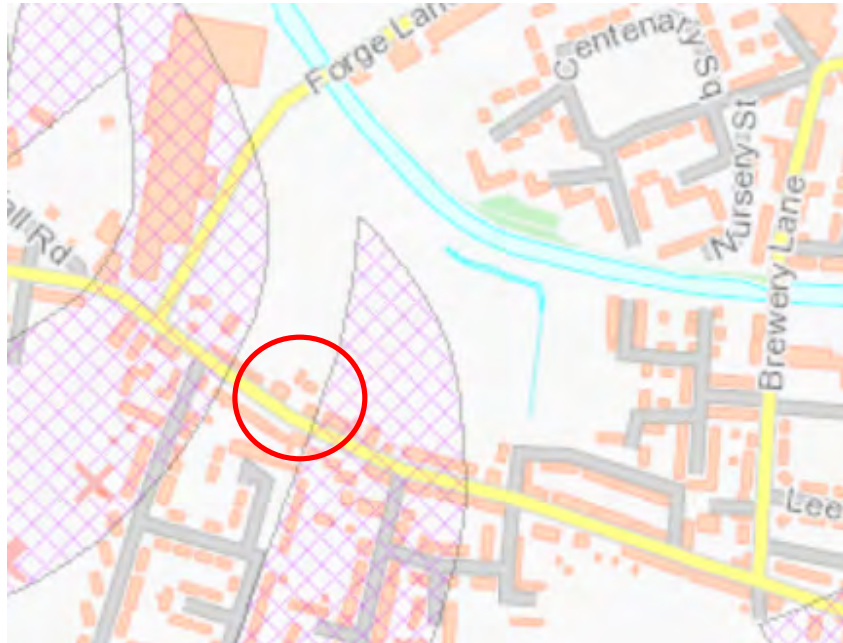
Ordnance Survey Licence number: 100020315

VAT receipt	
Issued by:	The Coal Authority 200 Lichfield Lane Mansfield Nottinghamshire NG18 4RG
Tax point date:	31 August 2016
Issued to:	MARK BROTHERTON LTD FOX COTTAGE WHITLEY ROAD WHITLEY DEWSBURY WF12 0LU
Property search for:	360 LEES HALL ROAD DEWSBURY WF12 9EW
Reference number:	51001253407001
Date of issue:	31 August 2016
Cost:	£77.00
VAT @ 20%:	£15.40
Total received:	£92.40
VAT registration:	598 5850 68

Appendix B



Extracts taken from Coal authority interactive map:



This map shows both high risk development areas and probable shallow coal mine workings around the proposed site and mine entry shaft.

Plan shows coal outcrops close to the site



APPENDIX E:

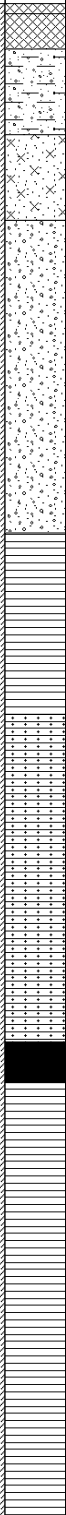
Borehole Logs

 SOLMEK 12-16 Yarm Road Stockton on Tees TS18 3NA 01642 607083 info@solmek.com				Borehole Log						Scale 1:50 Sheet 1 of 1 BH3							
Contract no: S190445				Site: Lees Hall Road, Dewsbury.				Driller: SR Drilling Ltd Plant used: Mini Rig Started: 15/10/2020 Ended: 15/10/2020 Backfilled: 15/10/2020				GL (AOD): Easting: Northing: Logged: LC Status: FINAL					
Client: Design Studio North.				Method: Mini Percussive Rig													
Backfill / Installation	Legend	Depth (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing												
					Depth (m)	Type	Results										
		0.25		MADE GROUND: Greyish brown gravelly topsoil. Gravel is fine to coarse angular to subangular of ash, brick, clinker. Occasional metal and plastic fragments noted.	0.20 - 0.40	B+ES											
				MADE GROUND: Grey and black clayey sandy gravel. Gravel is fine to coarse angular to subangular of ash, clinker, sandstone and brick.	0.40 - 0.60	B+ES											
					0.80 - 1.00	B+ES											
		1.30		Soft consistency brown slightly gravelly sandy low strength silty CLAY of low plasticity. Gravel is fine to coarse angular to subangular of sandstone and siltstone.	1.20 - 1.65	SPT (S)	N=5 (1,2/1,1,1,2)										
					1.20	D											
					1.40 - 1.60	D											
		2.10		Very soft consistency greyish brown sandy very low strength silty CLAY.	1.80 - 2.00	D	N=4 (1,0/1,0,2,1)										
					2.00 - 2.45	SPT (S)											
					2.00	D											
					2.80 - 3.00	D	N=4 (1,2/1,1,1,1)										
					3.00 - 3.45	SPT (S)											
					3.00	D											
		3.40		Greyish brown clayey SAND.	3.80 - 4.00	D											
					4.00	D											
					4.80 - 5.00	D											
		5.00		End of Borehole at 5.000m													
Hole Diameter				Casing Depths			General Remarks			Chiselling			Ground Water				
Depth Base (m)	Diameter (mm)	Depth Base (m)	Diameter (mm)	1. Hand dug inspection pit to 1.20m. 2. Groundwater encountered at 3.00m.			From (m)	To (m)	Time (hr)	Depth Strike (m)	Depth Casing (m)	Depth Sealed (m)	Time Elapsed (min)	Water Level (m)			
										3.00							

 SOLMEK 12-16 Yarm Road Stockton on Tees TS18 3NA 01642 607083 info@solmek.com		Borehole Log						Scale 1:50 Sheet 1 of 1		BH4		
Contract no: S190445		Site: Lees Hall Road, Dewsbury.				Driller: SR Drilling Ltd Plant used: Mini Rig Started: 15/10/2020				GL (AOD): Easting: Northing: Logged: LC Status: FINAL		
Client: Design Studio North.		Method: Mini Percussive Rig				Ended: 15/10/2020 Backfilled: 15/10/2020						
Backfill / Installation	Legend	Depth (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing							
					Depth (m)		Type	Results				
		0.40		MADE GROUND: Greyish brown gravelly topsoil. Gravel is fine to coarse angular to subangular of ash, brick, clinker. Occasional metal and plastic fragments noted.	0.20 - 0.40	B+ES	N=4 (1,2/1,1,0,2)					
				MADE GROUND: Grey and black clayey sandy gravel. Gravel is fine to coarse angular to subangular of ash, clinker, sandstone and brick.	0.40 - 0.60	B+ES						
					0.80 - 1.00	B+ES						
					1.20 - 1.65	SPT (S)						
					1.20	D	N=8 (1,2/2,2,2,2)					
					1.40 - 1.60	D						
		1.80		Very soft to firm consistency brown slightly gravelly sandy low to medium strength silty CLAY of very high plasticity. Gravel is fine to coarse angular to subangular of sandstone and siltstone.	1.80 - 2.00	D						
					2.00 - 2.45	SPT (S)						
					2.00	D						
					2.80 - 3.00	D						
					3.00 - 3.45	SPT (S)	N=6 (3,2/2,1,2,1)					
					3.00	D						
		3.30	▼	Very loose greyish brown clayey SAND.	3.80 - 4.00	D						
					4.00 - 4.45	SPT (S)						
					4.00	D						
					4.80 - 5.00	D						
		5.00		End of Borehole at 5.000m								
Hole Diameter		Casing Depths		General Remarks 1. Hand dug inspection pit to 1.20m. 2. Groundwater encountered at 3.40m.			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)
							3.40					

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. Hand dug inspection pit to 1.20m. 2. Groundwater encountered at 2.60m.				2.60			

 SOLMEK 12-16 Yarm Road Stockton on Tees TS18 3NA 01642 607083 info@solmek.com				Rotary Open Hole Log						Scale 1:150 Sheet 1 of 1		RBH1		
Contract no: S190445		Site: Lees Hall Road, Dewsbury.				Driller: ID Drilling Ltd Plant used: Massenza Mi3 Started: 24/11/2020 Ended: 24/11/2020 Backfilled: 24/11/2020			GL (AOD): Easting: Northing: Logged: AC Status: FINAL					
Client: Design Studio North.														
Method: Rotary Open Hole Drilling														
Backfill / Installation	Legend	Depth (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing			Coring / Fractures						
					Depth (m)	Type	Results	TCR (%)	SCR (%)	RQD (%)	Fracture			
		0.10		MADE GROUND: Greyish brown gravelly topsoil. Gravel is fine to coarse angular to subangular of ash, brick, clinker. Occasional metal and plastic fragments noted.										
				MADE GROUND: Grey and black clayey sandy gravel. Gravel is fine to coarse angular to subangular of brick, sandstone, ash, mortar and concrete.										
		3.90		Sandy gravelly CLAY.										
		5.20		SAND and GRAVEL.										
														
		16.20		Grey interbedded MUDSTONE/SANDSTONE.										
		30.00		End of Borehole at 30.000m										
Hole Diameter		Casing Depths		General Remarks		Flush Returns		Ground Water						
Depth Base (m)	Diameter (mm)	Depth Base (m)	Diameter (mm)			From (m)	To (m)	Flush Type	Flush (%)	Depth Strike (m)	Depth Casing (m)	Depth Sealed (m)	Time Elapsed (min)	Water Level (m)
		16.50	140	1. Hand dug inspection pit to 1.20m. 2. No groundwater encountered.		1.20	30.00	Water	100					

 12-16 Yarm Road Stockton on Tees TS18 3NA 01642 607083 info@solmek.com				Rotary Open Hole Log							Scale 1:150 Sheet 1 of 1		RBH2						
Contract no: S190445				Site: Lees Hall Road, Dewsbury.				Driller: ID Drilling Ltd Plant used: Massenza Mi3 Started: 23/11/2020 Ended: 23/11/2020 Backfilled: 24/11/2020				GL (AOD): Easting: Northing: Logged: AC Status: FINAL							
Client: Design Studio North.																			
Method: Rotary Open Hole Drilling																			
Backfill / Installation	Legend	Depth (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing			Coring / Fractures											
					Depth (m)	Type	Results	TCR (%)	SCR (%)	RQD (%)	Fracture								
		0.20		MADE GROUND: Greyish brown gravelly topsoil. Gravel is fine to coarse angular to subangular of ash, brick, clinker. Occasional metal and plastic fragments noted. MADE GROUND: Grey and black sandy gravel. Gravel is fine to coarse angular to subangular of brick, sandstone, ash, mortar and concrete. Sandy gravelly CLAY. Silty SAND.															
		0.90																	
		2.60																	
		4.30																	
			SAND and GRAVEL.																
		10.50		Grey MUDSTONE.															
		14.10		Grey interbedded MUDSTONE/SANDSTONE.															
		20.60		Intact COAL.															
		21.40		Grey MUDSTONE.															
			30.00		End of Borehole at 30.000m														
Hole Diameter		Casing Depths		General Remarks 1. Hand dug inspection pit to 1.20m. 2. No groundwater encountered.				Flush Returns				Ground Water							
Depth Base (m)	Diameter (mm)	Depth Base (m)	Diameter (mm)					From (m)	To (m)	Flush Type	Flush (%)	Depth Strike (m)	Depth Casing (m)	Depth Sealed (m)	Time Elapsed (min)	Water Level (m)			
		10.50	140					1.20	30.00	Water	100								



Rotary Open Hole Log

RBH3

Site: Lees Hall Road, Dewsbury.

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

Method:	Rotary Open Hole Drilling
----------------	---------------------------

Backfill / Installation	Legend	Depth (m)	Level (m AOD)	Stratum Description	Samples and Insitu Testing			Coring / Fractures																					
					Depth (m)	Type	Results	TCR (%)	SCR (%)	RQD (%)	Fracture																		
		0.30		MADE GROUND: Greyish brown gravelly topsoil. Gravel is fine to coarse angular to subangular of ash, brick, clinker. Occasional metal and plastic fragments noted. MADE GROUND: Grey and black sandy gravel. Gravel is fine to coarse angular to subangular of brick, sandstone, ash, mortar and concrete. Sandy CLAY.																									
		1.00																											
		3.00		Silty SAND.																									
		4.80		SAND and GRAVEL.																									
		10.50		Grey MUDSTONE.																									
		21.10		Intact COAL.																									
		22.40		Grey MUDSTONE.																									
		30.00		End of Borehole at 30.000m																									
		Hole Diameter											Casing Depths				General Remarks				Flush Returns				Ground Water				
		Depth Base (m)	Diameter (mm)	Depth Base (m)									Diameter (mm)	1. Hand dug inspection pit to 1.20m. 2. 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)			
		10.50	140	1.20	30.00	Water	100																						

APPENDIX F:
Contamination Laboratory Results



Final Report

Report No.: 20-28537-1
Initial Date of Issue: 27-Oct-2020
Client Solmek Ltd
Client Address: 12 Yarm Road
Stockton-on-Tees
TS18 3NA
Contact(s): Leo Cassidy
Office
Project S190445 Lees Hall Road, Dewsbury

Quotation No.:		Date Received:	22-Oct-2020
Order No.:	SOL-4389	Date Instructed:	22-Oct-2020
No. of Samples:	3		
Turnaround (Wkdays):	5	Results Due:	28-Oct-2020
Date Approved:	27-Oct-2020		

Approved By:

Details: Glynn Harvey, Technical Manager

Results - Soil

Project: S190445 Lees Hall Road, Dewsbury

Client: Solmek Ltd	Chemtest Job No.:				20-28537	20-28537	20-28537
Quotation No.:	Chemtest Sample ID.:				1084590	1084591	1084592
	Sample Location:				BH1	BH2	BH5
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				0.20	0.20	0.40
	Bottom Depth (m):				0.40	0.40	0.60
	Date Sampled:				19-Oct-2020	19-Oct-2020	19-Oct-2020
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD			
ACM Type	U	2192		N/A	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
ACM Detection Stage	U	2192		N/A	-	-	-
Moisture	N	2030	%	0.020	12	16	15
Soil Colour	N	2040		N/A	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones	Stones and Roots	Stones and Roots
Soil Texture	N	2040		N/A	Sand	Sand	Sand
pH	M	2010		4.0	9.2	7.8	8.3
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	< 0.40	0.68	0.77
Sulphate (2:1 Water Soluble) as SO4	M	2120	mg/l	10	26	< 10	22
Cyanide (Total)	M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Arsenic	M	2450	mg/kg	1.0	23	58	37
Cadmium	M	2450	mg/kg	0.10	0.26	0.41	0.67
Chromium	M	2450	mg/kg	1.0	32	49	210
Copper	M	2450	mg/kg	0.50	31	59	78
Mercury	M	2450	mg/kg	0.10	0.26	0.45	0.46
Nickel	M	2450	mg/kg	0.50	26	36	62
Lead	M	2450	mg/kg	0.50	360	310	170
Selenium	M	2450	mg/kg	0.20	< 0.20	0.65	0.46
Zinc	M	2450	mg/kg	0.50	65	160	170
Organic Matter	M	2625	%	0.40	4.3	13	10
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0		
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0		
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0		
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	3.4		
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	3.4		
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0	< 1.0		
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	13		
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0		
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	20		
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0		
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0		
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0		
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0		
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0		
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	21		

Results - Soil

Project: S190445 Lees Hall Road, Dewsbury

Client: Solmek Ltd	Chemtest Job No.:				20-28537	20-28537	20-28537
Quotation No.:	Chemtest Sample ID.:				1084590	1084591	1084592
	Sample Location:				BH1	BH2	BH5
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				0.20	0.20	0.40
	Bottom Depth (m):				0.40	0.40	0.60
	Date Sampled:				19-Oct-2020	19-Oct-2020	19-Oct-2020
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD			
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	290		
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0		
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	310		
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	330		
Naphthalene	M	2700	mg/kg	0.10	1.0	1.4	3.9
Acenaphthylene	M	2700	mg/kg	0.10	1.5	0.94	4.6
Acenaphthene	M	2700	mg/kg	0.10	0.99	0.89	4.8
Fluorene	M	2700	mg/kg	0.10	1.2	0.73	6.5
Phenanthrene	M	2700	mg/kg	0.10	7.9	6.8	41
Anthracene	M	2700	mg/kg	0.10	4.0	1.6	12
Fluoranthene	M	2700	mg/kg	0.10	16	8.8	54
Pyrene	M	2700	mg/kg	0.10	17	8.7	53
Benzo[a]anthracene	M	2700	mg/kg	0.10	9.3	3.9	21
Chrysene	M	2700	mg/kg	0.10	9.4	4.8	22
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	12	4.9	25
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	4.9	1.8	10
Benzo[a]pyrene	M	2700	mg/kg	0.10	12	4.0	22
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	8.8	2.4	13
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	6.8	0.75	3.4
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	7.3	2.5	13
Total Of 16 PAH's	M	2700	mg/kg	2.0	120	55	310
Total Phenols	M	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.
2450	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2680	TPH A/A Split	Aliphatics: >C5–C6, >C6–C8,>C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Dichloromethane extraction / GCxGC FID detection
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenzo[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

APPENDIX G:
Geotechnical Laboratory Results

Laboratory Report Front Sheet

Site name

Lees Hall Road, Dewsbury

Job number

S190445

Solmek

12-16 Yarm Road,
Stockton on Tees,
TS18 3NA

01642 607083

lab@solmek.com



7607

Client details:

Reference: S190445

Name: Solmek

Address: 12 Yarm Road,
Stockton-on-tees,
TS18 3NA

Telephone: 01642 607083

Email: lcassidy@solmek.com

FAO: L Cassidy

Date commenced: 21/10/2020

Date reported: 10/11/2020

Observations and interpretations are outside of the UKAS Accreditation

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.

Solmek are not UKAS Accredited for the following tests; Density by Linear Measurement, Particle Density by Gas Jar, Point Load, Triaxial UU Multi Specimen, Triaxial UU Multistage and California Bearing Ratio.

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

Signature:

Approved Signatories:



K Watkin (Lab Manager)



U Mazhar (Assistant Lab Manager)



Summary of Classification Tests

Site name

Job number

Lees Hall Road, Dewsbury

S190445

Solmek
12-16 Yarm Road,
Stockton on Tees,
TS18 3NA
01642 607083
lab@solmek.com



7607

[illegible]

All tests found in Solmek 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
w_a	Equivalent moisture content passing 425 μ m sieve		BS 1377:1990 Part 2 Clause 3.2
w_L	Liquid limit	-s	BS 1377:1990 Part 2 Clause 4.4
	Single point Four point	-f	BS 1377:1990 Part 2 Clause 4.3
w_p	Plastic limit		BS 1377:1990 Part 2 Clause 5.2
P_a	Percentage passing 425 μ m sieve		
P_r	Percentage retained 425 μ m sieve		
I_p	Plasticity index		BS 1377:1990 Part 2 Clause 5.4
I_L	Liquidity index		BS 1377:1990 Part 2 Clause 5.4
	Suffix indicating test is "Not UKAS Accredited"	*	

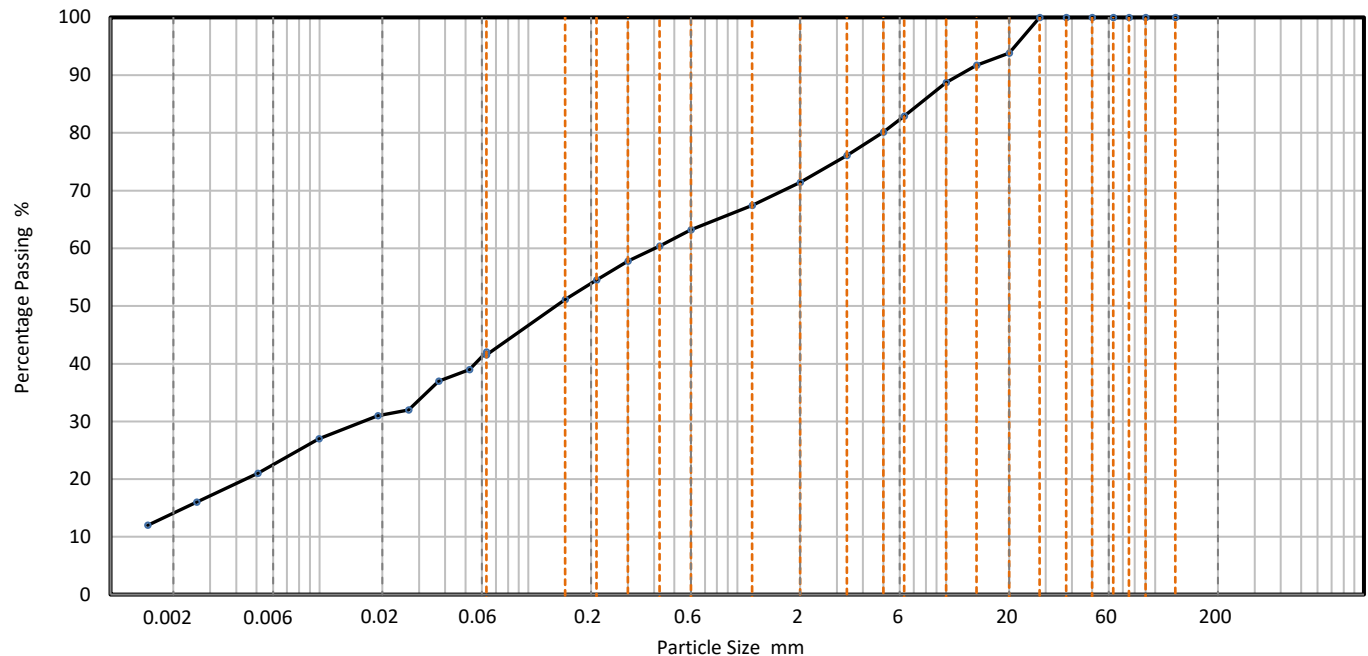
Approved by	KW
Approval date	23/10/2020 13:51
Date report generated	10/11/2020 14:44
Report Number	SLMK_20018358

PARTICLE SIZE DISTRIBUTION

Solmek
12-16 Yarm Road,
Stockton on Tees,
TS18 3NA
01642 607083
lab@solmek.com



Site name		Job number	
Lees Hall Road, Dewsbury		S190445	
Hole	BH2	Lab sample ID	SLMK20201021228
Depth (Top)	m 1.40	Test Method	BS 1377 - 2 : 1990 Clauses 9.2 and 9.5
Depth (Base)	m 1.6	Soil Description	Brown, slightly clayey, slightly silty, Gravelly SAND
Sample type	D		



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

Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0630	42
90	100	0.0523	39
75	100	0.0372	37
63	100	0.0268	32
50	100	0.0190	31
37.5	100	0.0100	27
28	100	0.0051	21
20	94	0.0026	16
14	92	0.0015	12
10	89		
6.3	83		
5	80		
3.35	76		
2	71		
1.18	67		
0.6	63	Particle density (assumed) 2.65 Mg/m ³	
0.425	60		
0.3	58		
0.212	55		
0.15	51		
0.063	42		

Dry Mass of sample, g 484

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	28.6
Sand	29.9
Silt	27.5
Clay	14.0

Grading Analysis	
D100	mm
D60	mm 0.401
D30	mm 0.0171
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks
Preparation and testing in accordance with test method unless noted below
Sample tested was deviating according to BS1377 test standard.

Accreditation status

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

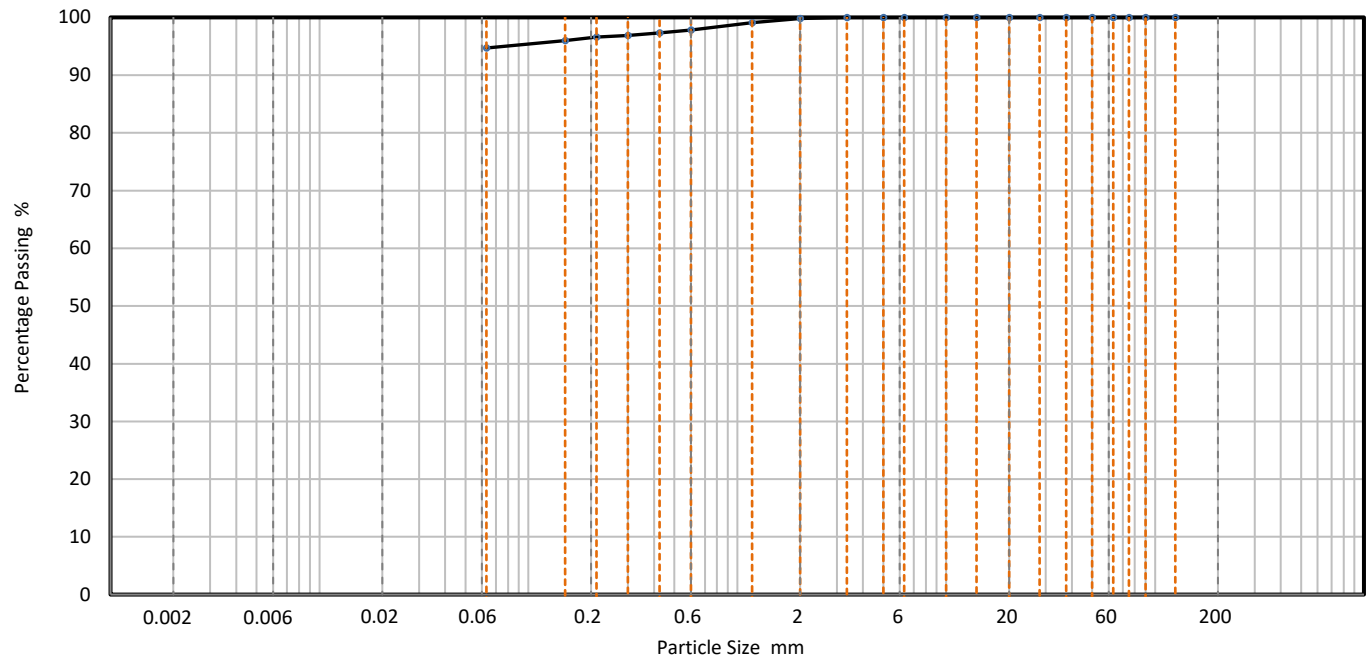
Approved by	KW
Approval date	27/10/2020 14:37

PARTICLE SIZE DISTRIBUTION

Solmek
12-16 Yarm Road,
Stockton on Tees,
TS18 3NA
01642 607083
lab@solmek.com



Site name		Job number	
Lees Hall Road, Dewsbury		S190445	
Hole	BH5	Lab sample ID	SLMK20201021231
Depth (Top)	m 1.40	Test Method	BS 1377 - 2 : 1990 Clause 9.2
Depth (Base)	m 1.6	Soil Description	Brown, slightly sandy CLAY
Sample type	D		



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

Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	100		
1.18	99		
0.6	98		
0.425	97		
0.3	97		
0.212	97		
0.15	96		
0.063	95		

Dry Mass of sample, g

250

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	0.2
Sand	5.1
Fines <0.063mm	95.0

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks
Preparation and testing in accordance with test method unless noted below

Accreditation status

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

Approved by	KW
Approval date	27/10/2020 14:38



2183

Final Report

Report No.: 20-28539-1
Initial Date of Issue: 27-Oct-2020
Client Solmek Ltd
Client Address: 12 Yarm Road
Stockton-on-Tees
TS18 3NA
Contact(s): Leo Cassidy
Office
Project S190445 Lees Hall Road, Dewsbury

Quotation No.:		Date Received:	22-Oct-2020
Order No.:	LAB 599	Date Instructed:	22-Oct-2020
No. of Samples:	3		
Turnaround (Wkdays):	5	Results Due:	28-Oct-2020
Date Approved:	27-Oct-2020		

Approved By:



Details: Glynn Harvey, Technical Manager

Results - Soil

Project: S190445 Lees Hall Road, Dewsbury

Client: Solmek Ltd	Chemtest Job No.:				20-28539	20-28539	20-28539
Quotation No.:	Chemtest Sample ID.:				1084594	1084595	1084596
	Sample Location:				BH2	BH4	BH5
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				1.40	1.80	1.40
	Bottom Depth (m):				1.60	2.00	1.60
Determinand	Accred.	SOP	Units	LOD			
Moisture	N	2030	%	0.020	11	24	32
pH	U	2010		4.0	[A] 8.4	[A] 7.5	[A] 7.0
Sulphate (2:1 Water Soluble) as SO4	U	2120	mg/l	10	[A] 89	[A] 29	[A] 10

Deviations

In accordance with UKAS Policy on Deviating Samples TPS 63. Chemtest have a procedure to ensure 'upon receipt of each sample a competent laboratory shall assess whether the sample is suitable with regard to the requested test(s)'. This policy and the respective holding times applied, can be supplied upon request. The reason a sample is declared as deviating is detailed below. Where applicable the analysis remains UKAS/MCERTs accredited but the results may be compromised.

Sample:	Sample Ref:	Sample ID:	Sample Location:	Sampled Date:	Deviation Code(s):	Containers Received:
1084594			BH2		A	Plastic Tub 500g
1084595			BH4		A	Plastic Tub 500g
1084596			BH5		A	Plastic Tub 500g

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
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>	"greater than"

Comments or interpretations are beyond the scope of UKAS accreditation

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Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

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Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

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If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

APPENDIX H:
Notes on Limitations & Contamination Guidance

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 <i>significant harm</i> , 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 volatilised 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 CLR 11- Model Procedures, 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 ACCEPTANCE CRITERIA

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 WAC test categorises materials as either inert waste, non-reactive hazardous waste, and hazardous waste.

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.

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.

Parameter group	Pipe Material (Threshold concentrations in mg/kg)					
	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: version1/2020)

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.