Environmental Geotechnical Specialists

RGS

PHASE 1 ENVIRONMENTAL **DESK STUDY** & COAL MINING **RISK ASSESSMENT**

REPORT

job number	C4137/24/E/6328
date	22/03/24
site address	Cummins Turbo Proposed Footbridge, St. Andrews Road, Huddersfield, HD1 6RA.
written by	I. Sakoor
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issued by	I. Sakoor

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Report on a Phase One Desk Study and Coal Mining Risk Assessment

Location:	Cummins Turbo Proposed Footbridge St. Andrew's Road, Huddersfield, West Yorkshire, HD1 6RA
For:	Farrar Bamforth Associates Ltd.
Report No.	C4137/24/E/6328 Report date: March 2024

For and on behalf of **Rogers Geotechnical Services Ltd**

Redacted	Redacted
Imran Sakoor BEng FGS Geo-environmental Engineer	**Rob Palmer** MSc FGS ACIEH Engineering Director

1. Introduction

The site comprises a small parcel of land located at the edge of the visitors car park at Cummins Turbo Technologies Ltd, St. Andrews Road, Huddersfield, HD1 6RA. The development area extends off the edge of the visitors car park and over to the building across from St. Andrews Road. The site is approximately 0.03 hectares in size and its National Grid reference is centred around 415066 416970.

It is understood that the development proposals currently comprise the construction of a new pedestrian footbridge over St. Andrews Road in order to allow pedestrian access from the visitors car park directly into the first floor of the building across the road. In order to assist with this decision-making process, and any planning and construction aspects of the development, a phase one environmental desk study has been commissioned and is the subject of this report.

In accordance with issued guidance, a site walkover was conducted on the 12th March 2023 and the following observations were made:

General site description/current site use
The site currently comprises a small landscaped area located at the front of the visitors car park. Across the road, the commercial building extends to within 3-4m of the pavement. This area is covered by hardstanding.

Site boundaries/access
The site is accessible via the visitors entrance off St. Andrews Road.

Topography
In line with the local area, the development area is relatively flat.

Surface cover of site
The development area is covered by grass and paving flags on the visitor car park side. Across the road, the site is covered by hardstanding.

Visible evidence of contamination/ contaminative sources
None present.

Presence of vegetation and wildlife
None present.

Services
The status of underground services is unknown, however, given the commercial setting, services are likely to be present. There were no overhead services present within the site at the time of the walkover.

Site neighbours
The site is located within a commercial setting.

In order to ensure that the site is fully characterised and to comply with the Environment Act 1995[1], a Phase One Desk Study and Coal Mining Risk Assessment has been commissioned by Farrar Bamforth Associates Ltd on behalf of Cummins Turbo Technologies Ltd. The desk study is intended to assess the environmental impact of historical, current and future factors on the development. This report will present the data obtained and provide a conceptual ground model and preliminary risk assessment as well as discussing the scope of any intrusive investigation that may be required. This report does not consider ecological impacts (e.g. bats) or botanical risks (e.g. Japanese Knotweed).

2. Review and Summary of Published Data

As a part of this desk study the following data has been considered.

- Site Plans - Appendix 1
- Groundsure Reports - Appendix 2
- Historical maps - Appendix 3
- Photographs - Appendix 4
- Consultants Mining Report - Appendix 5

The data obtained from the above-mentioned sources has been summarised below[2].

[1]S57 of the Environment Act 1995 inserted the contaminated land regime into the Environmental Protection Act 1990 (Part 2A). The regime **'provides a risk based approach to the identification and remediation of land where contamination poses an unacceptable risk to human health or the environment'** See http://www.environment-agency.gov.uk/research/planning/40405.aspx. This places a duty on local authorities to inspect their areas for contaminated land and require its remediation using the 'suitable for use' approach. Much of this duty is discharged via the planning regime under the Town and Country Planning Act 1990 as historical land contamination is a 'material planning consideration.' The local authorities are required to secure the removal of unacceptable risks via remediation of the land, to therefore ensure the site is suitable for its new use. This is fulfilled via completion of a Phase One Environmental Desk Study, Phase Two Intrusive Investigation, Phase Three Remediation Strategy and Phase Four Validation Report. Therefore, as a minimum, once a site has been developed it should not be capable of being designated as 'contaminated land' under Part 2A of the Environmental Protection Act 1990, as inserted by the Environment Act 1995 (see also PPS 23 Planning and Pollution Control Section 8)

[2] This report is a summary only and reference must be made in full to the information provided in the Groundsure Report.

2.1 Historical Land Use

Table 1: Historical Land Use[3]

HISTORICAL MAPPING SUMMARY		
Map Dates	**On site**	**Within 250m**
1854 - 1918	At the start of this period, the site appears to be undeveloped, although commercial activities are present nearby. By 1899, St. Andrews Road bisects the development area, and commercial buildings are present on both sides of the road. Additionally, the site has become part of the Color Works. By 1907, with the exception of St. Andrews Road, the site is covered by buildings.	Gas works – 250m N. Reservoir – 50m S. Iron works – 97m SE. Wool dye works – 170m NW. Turnbridge Machine Works – 80m W. Tanks – 70m S, 50m N. Works – several within 250m N, NW and S. Canal – 110m W. River Colne – 230m E.
1931 - 1938	No significant changes	Gas works – 250m N. Iron works – 220m SE. Prospect dye works – 170m NW. Turnbridge Machine Works – 80m W. Tanks – 50m NE. Works – several within 250m N, NW and S. Canal – 110m W. River Colne – 230m E.
1948 – 2001	At the start of this period, no buildings are present on site and a significant area of land either side of St. Andrews road is free of buildings. By 1972, engineering works are present adjacent to the western edge of the development area. Additionally, an aluminium and bronze foundry are now present immediately east of the site. One of the buildings associated with this feature encroaches onto the eastern part of the development area. Additionally, by 1995, a significant area to the north of the development has been cleared of buildings.	Aluminium and Bronze foundry – Immediately E. Gas works – 250m N. No longer present by 1984. Warehouse – 50m N, 120m N. Works – several within 250m including immediately W. Mostly engineering works by 1972. Canal – 110m W. River Colne – 230m E. Electricity sub-station – 190m S.
2003	By this time, the premises for Cummins Turbo Technologies have been built, including the visitor car park.	Engineering works – several within 250m. Canal – 110m W. River Colne – 230m E.

NB. All distances given are approximate only.

2.2 Published Geology and Geological Hazards

Table 2: Geological Data for the Site

BGS MAPPING DATA			
Strata Type	**Strata Name[4]**	**Previous Name[4]**	**Description[5]**
Superficial Geology	Alluvium	-	Soft to firm consolidated, compressible silty clay, but can contain layers of silt, sand, peat and basal gravel. A stronger, desiccated surface zone may be present.
Solid Geology	Pennine Lower Coal Measures Formation	-	Interbedded grey mudstone, siltstone and pale grey sandstone, commonly with mudstones containing marine fossils in the lower part, and more numerous and thicker coal seams in the upper part.

[3] See Appendix 3

[4] Sources: British Geological Survey (NERC) Map Sheets 77; Huddersfield; Solid and Drift Edition, and Geology of Britain Viewer [*online resource from www.bgs.ac.uk*]

[5] Sources: British Geological Survey (NERC) Lexicon of Named Rock Units [*online resource from www.bgs.ac.uk*]

GEOLOGICAL FEATURES			
Type	**Location**	**Features**	**Comments**
Mining Activity	On site	Coal mining	The study site is located within the specified search distance of an identified mining area.
Linear Features	14m W	Coal seam	Hard Bed coal seam (inferred). 0.1m to 0.8m thick.
	209m W		Middle Band coal (inferred). 0m to 0.6m thick
	84m NE	Fault	Inferred. Downthrow to North.
Landslip Deposits	No data	No data	Not indicated to present on site or within the surrounding area.

BGS BOREHOLE DATA			
Reference[6]	**Location**	**Depth**	**Strata Description**
SE11NE25/C	11m W	0.91m 3.05m 3.97m	MADE GROUND – sets and ash. CLAY with sand and large stones. Silty SAND with stones.
SE11NE25/B	47m SW	2.44m 3.46m 4.27m 7.30m	MADE GROUND – brick, ash and timber. Sandy CLAY with small gravel. SAND and GRAVEL. GRAVEL with bands of sandy clay.
SE11NW436	154m SW	9.4m 11.0m	Clayey silty sandy GRAVEL (Alluvium). Black carbonaceous MUDSTONE (Hard Bed).
SE11NE5	295m N	7.8m 14.1m 43.9m	Superficial. Hard Bed coal (0.15m thickness). Soft Bed coal (0.3m thickness).

NATURAL GROUND SUBSIDENCE & HAZARDS[7]	
Type	**Risk Rating**
Potential for shrinking or swelling clay ground stability	Very Low.
Potential for running sand ground stability	Low.
Potential for compressible ground stability	Moderate.
Potential for collapsible ground stability hazards	Negligible.
Potential for landslide ground stability	Very low.
Potential for ground dissolution stability	Negligible
Radon	The property is in a lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). No radon protective measures are necessary.

[6] http://www.bgs.ac.uk/discoveringGeology/geologyOfBritain/viewer.html

[7] See Groundsure report

The BGS boreholes have indicated a coal seam to be present within 14m depth within the local area, but it should be noted that there are 8m to 10m of superficial soils present. Based on the available geological data, it is considered that this seam may represent the Hard Bed Coal seam. This coal seam was proven intact or of poor grade (i.e. carbonaceous mudstone) in all boreholes with a nominal thickness of 0.15m recorded. It should be appreciated that the Middle Band Coal seam has not been observed within the available borehole data. This seam is indicated to be impersistent in nature and, if present, should be observed between the Hard Bed Coal seam and the underlying Soft Bed Coal seam. Therefore, it may not be present within this area.

2.3 Construction Issues

2.3.1 Foundation Construction

On the basis of the prevailing geology and assuming areas of significantly filled ground may be present (due to historic buildings), it is anticipated that a deeper foundations solution may be required at this site. It should be appreciated that an intrusive investigation will be required to validate this opinion.

2.3.2 Site Won Materials

It would appear that cohesive soil is likely to be encountered at shallow depth over much of the site. This material is likely to be relatively difficult to re-engineer as a construction material. However, depending on the results of laboratory testing, it may possible to modify/stabilise the soil using lime and/or cement to form a suitable sub-base replacement for pavements and hard standings.

2.3.3 Disposal of Site Materials

If made ground is present then contamination/WAC testing will be required to establish the nature of the underlying soil before disposal to a licensed landfill site.

2.4. Coal Mining

The Groundsure Report states that the site is within an area that may be affected by coal mining. A Coal Authority Consultants Mining Report has therefore been obtained that is included in appendix 5 of this report and may be summarised as follows:

Table 3: Summary of the Consultant's Coal Mining Report

Mining Feature	Comments
Underground Coal Mining	No past mining recorded.
Probable Unrecorded Shallow Workings	None.
Spine Roadways at Shallow Depth	No spine roadway recorded at shallow depth.
Mine Entries	None recorded within 100m of the enquiry boundary.
Abandoned mine plans	None.
Outcrops	Halifax Hard seam.

Geological Faults	No faults, fissures or breaklines recorded.
Opencast Mines	None recorded within 500 metres of the enquiry boundary.
Coal Authority Managed Tips	None recorded within 500 metres of the enquiry boundary.
Site Investigations	None recorded within 50 metres of the enquiry boundary
Remediated Sites	None recorded within 50 metres of the enquiry boundary.
Coal Mining Subsidence	The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, 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.
Mine Gas	None recorded within 500 metres of the enquiry boundary.
Mine Water Treatment Schemes	None recorded within 500 metres of the enquiry boundary.
Future underground mining	For further information please see section 3 of the Consultant's Coal Mining Report (ref 51003355939004).
Coal mining licensing	
Court orders	
Section 46 notices	
Withdrawal of support notices	
Payments to owners of former copyhold land	

It should be noted that the Coal Authority acknowledge the presence of the outcrop of the Hard Bed Coal to the west of the site. However, they have stated that there are no known workings beneath the development area.

2.5 Waste Management and Gas Monitoring

Table 4: Landfill Data and Artificial Ground, Recorded and Anticipated

ENVIRONMENT AGENCY, LOCAL AUTHORITY, BGS & HISTORIC LANDFILLS			
Waste Type	**Location**	**Comments**	**Monitoring Requirement**
Active Landfill	-	None recorded within 250m	-
Historic Landfill	204m NE	Golf Driving Range; Waste type: inert, industrial, commercial, household; license issue: 24/05/1984; license surrender:31/12/1990.	N
Historic waste sites	214m NE	Unspecified heap (1905)	N
	241m E	Refuse heap (1965 – 1975)	N
Licenced waste sites	-	None recorded within 250m	-
Waste Exceptions	42m W, 94m S	Storing of waste in secure containers/place	N
	42m W	Recovery of scrap metal	N
	42m W, 94m S	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising	N
	42m W, 94m S	Preparatory treatments (baling, sorting, shredding etc)	N

	42m W, 94m S	Crushing waste fluorescent tubes	N
MADE GROUND & INFILLED GROUNDWORKINGS			
Description	**Location**	**Comments**	**Monitoring Requirement**
Records of Potentially Infilled Features	212m NE	Unspecified ground workings (1965 – 1975)	N

2.6 Hydrogeology, Hydrology

Table 5: Ground/Controlled Water Sensitivity and Flooding

ENVIRONMENT AGENCY AQUIFER DESIGNATION[8]		
Strata	**Designation**	**Description**
Superficial Geology On Site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers.
Solid Geology On Site		
GROUNDWATER SENSITIVITY[9]		
Description	**Location**	**Details**
Source Protection Zone[10]	-	None recorded within 250m.
Abstraction Licences	-	None recorded within 250m.
Discharge Consents	105m N	Effluent type: Sewage discharges – sewer storm overflow. Issue date: 02/07/1993, revocation date: 24/01/1995.
	105m N	Effluent type: Sewage discharges – sewer storm overflow. Issue date: 25/01/1995, revocation date: 05/03/1995.
	105m N	Effluent type: Sewage discharges – sewer storm overflow. Issue date: 27/05/1963, revocation date: 01/07/1993.
	186m NE	Effluent type: Sewage discharges – sewer storm overflow. Issue date: 22/08/2007, revocation date: 08/08/2019.
	198m NE	Effluent type: Sewage discharges – sewer storm overflow. Issue date: 09/08/2019, revocation date: 09/08/2019.
Records of Part A(2) and Part B Activities and Enforcements	55m W	Process: rubber, status: historical permit, permit type: Part B.
	157m W	Process: petrol vapour recovery, status: historical permit, permit type: Part B.
	217m NW	Process: asbestos processes, status: historical permit, permit type: Part B.
	217m NW	Process: coating process, status: historical permit, permit type: Part B.
CONTROLLED WATERS[10]		
Description	**Location**	**Details**
River Network Entries	120m W, 168m SW	Canal – Huddersfield Broad Canal.
	180m – 229m NE, 222m – 231m E	River Colne.
Surface Water Features	Within 250m	9 listings associated with Huddersfield Broad Canal and River Colne.

[8] See Appendix 2
[9] See Appendix 2
[10] See Appendix 2

POLLUTION INCIDENTS[11]			
Pollutant	**Receptor**	**Location**	**Date**
None within 25 0m of the site.			

ENVIRONMENT AGENCY FLOOD RISK[12]		
Description	**Location**	**Details**
Zone 2	On Site	The site is situated within a Zone 2 flood plain.
Zone 3	-	The site is not situated within a Zone 3 flood plain.
Flood Defences	-	None recorded within 250m.
Groundwater Flooding Area	-	Low risk of groundwater flooding to occur.
Surface Water Flooding	On Site	1 in 100 year, 0.3m – 1.0m.

2.7 Sensitive Land Use

Table 6: Sensitive Land Uses within 250m		
REGISTERED SENSITIVE LAND USES [13]		
Description	**Location**	**Details**
None identified within 250m of the proposed development.		

2.8 Industrial Land Use and Potential Sources of Contamination

In order for a conceptual site model and preliminary risk assessment to be completed the historical maps and Groundsure data requires analysis to identify any past or present activities on the site and in the area that may have the potential to cause contamination on the site. Guidance has been issued by the Environment Agency, NHBC and Chartered Institute of Environmental Health.[14] Within this document, annex 3 provides examples of important contaminants that are associated with individual uses of land. This data assists in the formulation of any chemical testing regime.

Those that we consider potentially contaminative according to the guidance are given below:

Table 7: Potentially Contaminative Sources		
HISTORICAL		
Land Use	**Location**	**Classification**
Historical construction	On site	Artificial/made ground.
Unspecified heap	214m NE	
Refuse heap	241m NE	

[11] See Appendix 2
[12] See Appendix 2
[13] See Appendix 2
[14] Guidance for the Safe Development of Housing on Land Affected by Contamination, R&D Publication 66: 2008 Volume 1 and 2.

Garage	127m W, 159m – 164m W,	Road vehicle fuelling, service and repair: garages and filling stations.
Bridge Works Works Tanks Warehouse Unspecified mills	Onsite Several within 250m 50m NE, 166m NE, 193m N 50m N, 120m N Several within 250m	Unspecified works/factories/features.
Iron Works Aluminium & Bronze Foundry Turnbridge Machine Works	97m – 102m SE, 157m SE Immediately E 80m W	Metal manufacturing, refining and finishing works: iron and steel works.
Color Works Wool dye works Prospect dye works Dye works	Onsite 170m NW 170m NW 116m – 119m NW	Textile works and dye works.
Gas Works Gasometers	110m NW 195m NW, 250m N	Gas works.
Railway sidings	119m NW, 122m NE, 126m SE, 149m NW	Railway land.
CURRENT		
Land Use	**Location**	**Classification**
Works Chimney Polyseam Tank Travelling crane	77m E 160m SW 192m S 211m E 240m SE	Unspecified works/factories/features.
Cummins Turbo Technologies S C M Turbomotive Ltd Beldam Crossley	Onsite 163m SW 220m NW	Engineering works.
Aura Print Ltd C H P	166m SW 166m SW	Printing works.
Marko's Autos	210m S	Road vehicle servicing and repair: garages and filling stations.

3. Preliminary Qualitative Risk Assessment

The potential of contamination hazards on the land has been identified and the risks associated with them are assessed in the following preliminary risk assessment in accordance with industry practice and the 'suitable for use' approach. This has been conducted using the source-pathway-receptor approach. This method dictates that there must be a risk contaminant produced at a 'source' in sufficient concentration to cause harm and there must be a 'pathway' for the contaminant to reach an identifiable 'receptor' for the linkage to be proved and a contamination hazard to be considered present. Not all substances are contaminants and not all contaminants are considered to be a risk.

Indeed DEFRA and The Environment Agency state that **'a contaminant is a substance which has the potential to cause harm, while a risk itself is considered to exist if such a substance is present in sufficient concentration to cause harm and a pathway exists for a receptor to be exposed to the substance.**'

R&D Publication 66: 2008 states that the groups at risk of harm (receptors) can be identified by the following categorisation:

1. Humans: site personnel, end users, visitors and adjacent land users.
2. The water environment – receptors: groundwater, surface water, coastal waters and artificial drainage.
3. Ecosystems: plants and animals.
4. Construction/building materials/services

In order to complete a conceptual site model and therefore a preliminary risk assessment, an appraisal of the sources of contamination, potential and actual, on and in the area of the site has therefore been completed with reference to this pollution linkage.[15]

3.1 Conceptual Ground Model & Preliminary Qualitative Risk Assessment

It is understood that the development proposals currently comprise the construction of a new pedestrian footbridge in allow pedestrian access from the visitors car park to the first floor of the CTT building on the opposite side of St. Andrews Road. In view of the sensitivity of the end users it is considered that the soil screening values (SSVs) for a commercial end use should be employed.

The preliminary risk assessment has been evaluated with reference to the following ratings and definitions:

N/A - A source-pathway-receptor linkage is not considered to exist and therefore a risk assessment is not required.

Low - A pollution linkage is unlikely and/or the likelihood of harm occurring is low and of minor consequence.

Moderate - The linkage exists but further field or laboratory data is required to confirm that the contaminant has reached the receptor and the levels of contaminant are harmful.

High - The linkage exists and the available data indicates that significant harm may be caused and remedial action could be necessary.

[17]This assessment has been based on the information as to the proposed development that has been provided by the client. If the plans should change, the assessment should be re-evaluated.

Table 8: Conceptual Site Model and Preliminary Qualitative Risk Assessment				
CONCEPTUAL SITE MODEL			**PRELIMINARY RISK ASSESSMENT**	
Pathways	**Receptor**	**Linkage Present?**	**Risk Rating**	**Notes**
Direct contact/dermal absorption/soil ingestion	Operative	Yes – operatives are likely to come in contact with the soil.	Moderate	There are potential on and off-site sources of contamination that may have caused contamination of the site. Any on site sources of contamination could migrate to neighbouring properties. Further testing required to reach a firm conclusion.
	End User	No – end users will not come in contact with the soil.	N/A	
	Neighbours	Yes – possible source on site and immediate neighbours are present.	Moderate	
Inhalation of Dust/Vapours	Operative	Yes – contact with soil likely during works and vapours may accumulate in enclosed spaces.	Moderate	There are potential on and off-site sources of contamination that may have caused contamination of the site. Any on site sources of contamination could migrate to neighbouring properties. Construction activities may create dust on and off site, which, if contaminated, could adversely affect operatives, end users and neighbours. In the event that harmful vapours are present they may accumulate in enclosed spaces, affecting operatives, end users and neighbours. Further testing required to reach a firm conclusion.
	End User	No – new footbridge is elevated; thus vapours will vent directly to atmosphere.	N/A	
	Neighbours	Yes – neighbouring properties present and possible inhalation of dust during the works.	Moderate	

Ingestion of fruit/vegetables and/or waters	Operative	No – no edible plants or contained water sources in the area of the proposed new works.	N/A	NFA required unless plans change in which case this may need to be re-assessed.
	End User	No – no soft landscaping proposed as part of the new development.		
	Neighbours	No – no nearby residential dwellings present.		
Migration of hazardous gases via permeable strata	Operative	No – new footbridge is elevated; thus gases will vent directly to atmosphere.	N/A	
	End User		N/A	
	Neighbours	Yes – whilst potential made ground could be present, due to historical development activities, ground gas is likely to represent a wider issue within the local area. Moreover, considering the development comprises a footbridge, it is considered that the landfill gas setting will not be affected.	Low	
Spillage/loss/run off direct to receiving water	Controlled Waters	Yes – possible source on site and controlled waters within 250m.	Moderate	Receiving waters within 250m and a Secondary A aquifer underlies the site. Further testing required to reach a firm conclusion.
Migration via permeable unsaturated strata	Controlled Waters	Yes – possible source on site and Secondary A aquifer beneath the site.	Moderate	
Run off via drainage/sewers etc	Controlled Waters	Yes – possible source on site.	Moderate	
Direct contact with contaminated soils	Plants	No – no soft landscaping areas present as part of the proposed development.	N/A	NFA required unless plans change in which case this may need to be re-assessed.
Uptake via root system				
Direct contact with contaminated soils	Building Materials	Yes – possible source on and off site and foundation and service installation materials may be affected by the site soil.	Moderate	There are potential on and off-site sources of contamination that may have caused contamination of the site. Further testing required to reach a firm conclusion.

Direct contact with contaminated groundwater				
Migration of mine gas via permeable strata	Operative End User	No – in an area where shallow worked seams are considered unlikely to be present.	-	Please see section 4. For further information.
Exposure to Radon	Operative End User	No – not in a radon affected area.	N/A	The property is in a lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). BR211 states that no radon protective measures are necessary.
Mining Instability	End User	No – shallow worked seams are not likely to be present.	-	Please see section 4. For further information.
Unexploded Ordinance (UXO) Risk	Operative	Yes – the Zetica[16] online maps indicate that the site is at low risk from UXO.	Low	Unlikely to be affected by UXO.

Notes:

1. The above data and table is a qualitative assessment of the probable risks identified at this site, based on the information made available to us from the client, third party professional data and walkover survey.

2. Should any additional or new data come to light, the risk assessment should be revisited and any necessary changes made to any recommendations resulting from this study.

3. Where further testing is recommended as part of the risk assessment, this is in order to provide a quantitative assessment of any contamination issues. It should at all times be considered that uncertainties may remain, and therefore any testing regime and ground investigation philosophy should be ready to accommodate any necessary alterations should any data come to light or it become evident that it has not been previously considered.

[16] Pre-desk study assessment [*online resource from www.zeticauxo.com*].

4. Coal Mining Risk Assessment

The risk to the stability of the proposed residential development has been evaluated from the data obtained and with reference to the following ratings and definitions:

Low - The possibility of instability is unlikely therefore no further action is necessary.

Moderate - The possibility of instability is likely and further investigation or remedial action may be required.

High - The possibility of instability is highly likely and further investigation or remedial action will be necessary.

Table 9: Development Specific Risk Assessment

Risk attributed to	Coal Seam(s) Considered	Risk Rating
Shallow coal workings	Hard Bed Coal (HB).	Low
	Middle Band Coal (MB).	Low
Coal workings at depth	The Coal Authority report indicates that the property is not within a surface area that could affected by past underground mining.	Low
Mines gas	Shallow coal workings.	N/A

The Hard Bed Coal was identified within the local borehole records and was found to have a limited thickness of 0.15m. It is highly unlikely that a coal seam of this thickness will have been worked, as this does not represent a thickness viable for economic extraction. Nevertheless, if removed, the workings would require 1.65m of competent overburden in order to prevent instability to the surface. The competent overburden does not take into account any superficial soils.

However, the site is not considered to be present in a high risk development area i.e. the Coal Authority do not believe that there are illicit workings beneath the site. It is assumed that this is due to the granular and water bearing nature of the overlying granular alluvium deposits.

Indeed, it should be appreciated that the borehole records have revealed a significant thickness of water bearing gravels, cobbles and boulders (+9m) below the site. In light of this, it is highly unlikely that the Hard Bed Coal or Middle Band Coal seams, if present, will have been worked by illicit methods. Furthermore, these seams are indicated to be of a limited thickness and impersistent in nature. Consequently, it is considered highly unlikely that the site is at risk from ground instability due to unrecorded past mining activities.

With regards to any deeper mining which. It should be appreciated that the site has not been identified by the Coal Authority to be within a surface area that could be affected by past underground mining. Therefore, a low risk rating has been considered for the deeper coal seams.

In addition to the above, given that the workings are unlikely to be present within the Hard Bed and Middle Band coal seams, it is considered that mines gases will not affect this development. Indeed, given that the proposals comprise the construction of an elevated footbridge, even if gases were present, they would vent directly to atmosphere. As such, a null risk rating has been assigned for mine gases.

5. Intrusive Investigation

5.1 Site Investigation Philosophy

The information from the Phase 1 Desk Study shows there are potential sources of contamination on the site and in the surrounding area. In view of the above, any intrusive investigation should be undertaken in accordance with the sampling strategies given in BS10175: 2011 +A1:2013 and CLR4:1994. These two sampling strategies may be classified as:

- Non Targeted – using a defined sampling pattern (BS10175)
- Targeted – based on prior knowledge and professional judgement (CLR4)

These sampling strategies are considered in more detail below. However, it is emphasised that they can be used individually or in combination depending on the depth of site knowledge.

Non Targeted Sampling.

If no obvious 'hot spots' of contamination have been identified on a site, it would be recommended that a stratified random pattern of sampling points be considered. This work should be undertaken with reference to BS10175: 2011 +A1: 2013 *Investigation of potentially contaminated sites – Code of practice*: 7.6, and BS 5930: 2015 +A1: 2020, *Code of practice for ground investigations.*

Targeted Sampling.

If a possible 'hot spot' of contamination has been identified on a site, it is recommended that a herringbone pattern of sampling points be considered in the immediate vicinity. If strong evidence of contamination has then been identified, it is recommended that sampling be highly focused to reflect that evidence and the investigator's experience. This work should be undertaken with reference to CLR4, *Sampling Strategies for Contaminated Land, 1994*.

The density of sampling required is defined in BS10175: 2011: +A1: 2013: 7.7.2.2.3, which indicates that an *exploratory* investigation usually requires a lower density sample spacing than does a *main* investigation. The BS goes on to state that *the actual density should depend upon the confidence and robustness required of decisions that will be based on the information obtained. Thus the area and depth of interest will be related to the contaminants present, the pathways and the receptors. Typical densities of sampling grids can vary from 25m to 50m centres for exploratory investigations, and 10m to 25m centres for main investigations.*

5.2 Site Specific Investigation

In view of the information provided above it is considered that an investigation of the site should include the following main elements.

5.2.1 Contamination Assessment

It may be appreciated that BS 10175 clause 7.7.2.2.3 suggests that the number of sampling points at the site should be based on a minimum of three testing locations or the size of the site with respect to the appropriate grid spacing, whichever the greater. On the basis of the site area being

0.03ha, the number of sampling points at the site should be considered with respect to the table below.

Table 10: Summary of Sampling Strategy					
	NUMBER OF SAMPLING POINTS				
	Soil	**Water**	**Asbestos**	**Standpipes**	**Standpipe Readings**
Exploratory Investigation 50m x 50m grid	2	-	2	N/A	N/A
Target Areas	Should be assessed during any investigation.				

Chemical testing should be undertaken on the above grid spacing and the following standard testing regime should be undertaken

- **Metals** – Cd, Cr, Cu, Hg, Ni, Pb, Zn, V.
- **Semi Metals and Non Metals** – As, Se, Free Cyanide and Phenols.
- **Hydrocarbons –** Polycyclic aromatic hydrocarbons (PAH EPA16), Total petroleum hydrocarbons (TPH CWG).
- **Others** – pH, Organic Content.
- **Asbestos**

Sampling Method

Investigation should include obtaining samples of soil for chemical sampling. The sampling strategy should employ the non-targeted strategy given above in the first instance, i.e. at least three sampling points, if it is anticipated that made ground is significant across the site. However, if the made ground at the site is thought to be localised to specific areas, then the targeted strategy should be used. It should be possible to carry out the above work with a windowless sampling drilling rig.

5.2.2 Geotechnical Assessment

In addition to the above contamination assessment which is likely to be required by planning authorities and insurance providers, the following investigation strategy could be considered:

Sampling Method

It is anticipated that a windowless sampling drilling rig will be able to gain sufficient data in regard to the near surface soils. Such equipment should be able to undertake Standard Penetration Testing (SPT) and/or Dynamic Probing. Moreover, should significant thickness of fill be revealed deeper boreholes may be needed for sufficient foundation design. This could include cable percussive drilling techniques.

Geotechnical Testing

An allowance for geotechnical testing of the soils and rock should be included in any ground investigation.

5.2.3 Reporting

The above data will need to be formulated into a formal assessment that should include the following:

- Geotechnical recommendations.
- Contamination assessment.
- Contamination remediation strategy.
- Any recommendations for further work, if required and including validation reports where site remediation is necessary.

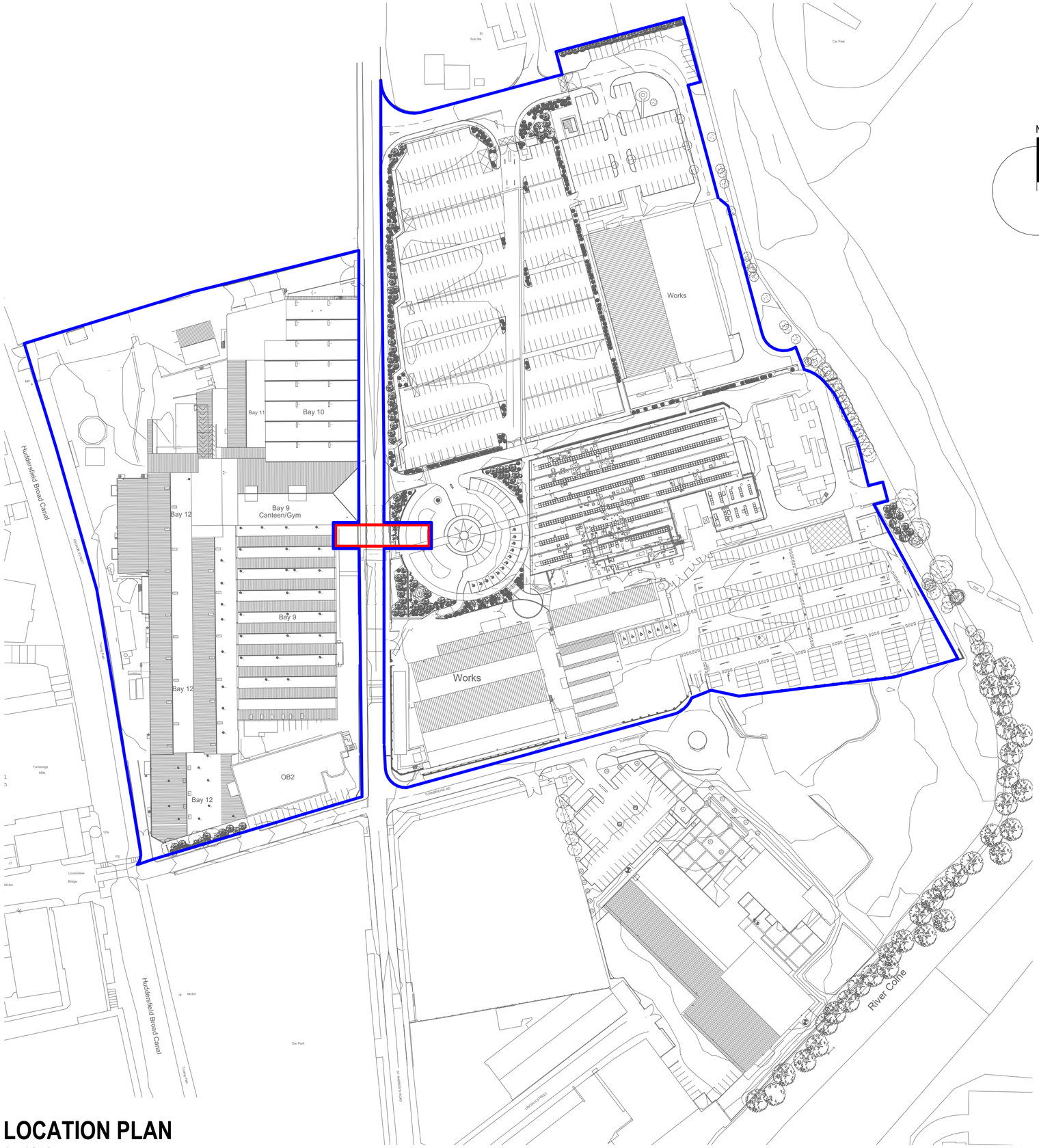
As soon is as practicable, and prior to the above, this Phase 1 report should be forwarded to the relevant authorities, in order to ensure they have sufficient time to review and discuss any issues.

6. References

- British Standards Institution (2015 + A1: 2020), BS 5930: *Code of practice for ground investigations*, B.S.I., London.
- British Standards Institution (2011) +A1:2013, BS 10175: *Investigation of potentially contaminated sites – Code of Practice,* British Standards Institute.
- British Standards Institution (2013), BS 8576 Guidance on Investigations for Ground Gas – Permanent Gases and Volatile Organic Compounds.
- Department for Environment, Food and Rural Affairs and the Environment Agency, DEFRA R&D Publications, Environment Agency, Bristol.
- CLR 2, 1994, *Guidance on preliminary site inspection of contaminated land*, Volume 1.
- CLR 4, 1994, *Sampling Strategies for contaminated land*.
- R&D Publication 66: 2008 Guidance for the Safe Development of Housing on Land Affected by Contamination.
- CIRIA Report C665 (2007), Assessing risks posed by ground gasses in buildings.
- The Environment Agency: Groundwater source protection.

Appendix 1

Site Plan



LOCATION PLAN
1 : 1250

0 10 20 30 40 50 125m
Scale 1:1250

N

APPLICATION BOUNDARY
LINE OF OWNERSHIP

Rev:	Date:	Description:	By:	Auth:
P01	18.01.2024	FIRST ISSUE	RT	RT

Farrar Bamforth Architecture
A: Bates Mill
Colne Road
Huddersfield
HD1 3AG
T: 01484 424 008
F: 01484 512 305
E: design@farrarbamforth.co.uk
W: www.farrarbamforth.co.uk

Client: CUMMINS TURBO TECHNOLOGIES LTD

Project Name:
WALKWAY OVER ST ANDREW'S ROAD

Project Address:
ST ANDREW'S ROAD, HUDDERSFIELD, HD1 6RA

Reference:

Project	Originator	Functional	Spatial	Form	Discipline	Number
24P02	FBA	ZZ	XX	DR	A	0100

Title:
LOCATION PLAN

Status:

Code	Description
S2	INFORMATION

Revision: P01

Created By:	Authorised By:	Date:	Scale at A2:
RT	RT	NOVEMBER. 23	1 : 1250

Appendix 2

Groundsure Report

Groundsure
LOCATION INTELLIGENCE

Enviro+Geo Insight

CUMMINS TURBO TECHNOLOGIES, CUMMINS TURBO TECHNOLOGY, ST ANDREW'S ROAD, HUDDERSFIELD, HD1 6RA

Order Details

Date: 11/03/2024

Your ref: C4137_24_E_6328_PO-2911

Our Ref: GS-1ID-VOH-7YI-WXE

Site Details

Location: 415063 416970

Area: 0.03 ha

Authority: Kirklees Council ↗

Contact us with any questions at:
info@groundsure.com ↗
01273 257 755

Certified B Corporation

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
14 >	1.1 >	Historical industrial land uses >	8	2	49	86	-
20 >	1.2 >	Historical tanks >	0	3	37	43	-
23 >	1.3 >	Historical energy features >	0	1	13	27	-
25	1.4	Historical petrol stations	0	0	0	0	-
25 >	1.5 >	Historical garages >	0	0	4	29	-
27	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
28 >	2.1 >	Historical industrial land uses >	11	6	67	117	-
36 >	2.2 >	Historical tanks >	0	3	68	66	-
41 >	2.3 >	Historical energy features >	0	1	32	52	-
44	2.4	Historical petrol stations	0	0	0	0	-
44 >	2.5 >	Historical garages >	0	0	6	41	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
47	3.1	Active or recent landfill	0	0	0	0	-
47	3.2	Historical landfill (BGS records)	0	0	0	0	-
48	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
48 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	1	2	-
49 >	3.5 >	Historical waste sites >	0	0	1	1	-
49	3.6	Licensed waste sites	0	0	0	0	-
49 >	3.7 >	Waste exemptions >	0	16	5	0	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
52 >	4.1 >	Recent industrial land uses >	0	2	20	-	-
54 >	4.2 >	Current or recent petrol stations >	0	0	0	2	-
54	4.3	Electricity cables	0	0	0	0	-
54	4.4	Gas pipelines	0	0	0	0	-
55	4.5	Sites determined as Contaminated Land	0	0	0	0	-

55 >	4.6 >	Control of Major Accident Hazards (COMAH) >	0	0	1	1	-
55	4.7	Regulated explosive sites	0	0	0	0	-
55 >	4.8 >	Hazardous substance storage/usage >	0	0	0	2	-
56	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
56	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
56 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	0	0	4	12	-
59	4.12	Radioactive Substance Authorisations	0	0	0	0	-
59 >	4.13 >	Licensed Discharges to controlled waters >	0	0	5	21	-
63	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
63	4.15	Pollutant release to public sewer	0	0	0	0	-
63	4.16	List 1 Dangerous Substances	0	0	0	0	-
63	4.17	List 2 Dangerous Substances	0	0	0	0	-
64 >	4.18 >	Pollution Incidents (EA/NRW) >	0	0	0	1	-
64	4.19	Pollution inventory substances	0	0	0	0	-
64	4.20	Pollution inventory waste transfers	0	0	0	0	-
64	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	**Hydrogeology** >	On site	0-50m	50-250m	250-500m	500-2000m
66 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
68 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
70 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
71	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
72	5.5	Groundwater vulnerability- local information	None (within 0m)				
73 >	5.6 >	Groundwater abstractions >	0	0	0	7	24
81 >	5.7 >	Surface water abstractions >	0	0	0	0	19
86 >	5.8 >	Potable abstractions >	0	0	0	0	7
87	5.9	Source Protection Zones	0	0	0	0	-
87	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	**Hydrology** >	On site	0-50m	50-250m	250-500m	500-2000m
88 >	6.1 >	Water Network (OS MasterMap) >	0	0	9	-	-

89 >	6.2 >	Surface water features >	0	0	3	-	-
90 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
90 >	6.4 >	WFD Surface water bodies >	0	0	2	-	-
91 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	**River and coastal flooding** >	On site	0-50m	50-250m	250-500m	500-2000m
92 >	7.1 >	Risk of flooding from rivers and the sea >	Medium (within 50m)				
93	7.2	Historical Flood Events	0	0	0	-	-
93	7.3	Flood Defences	0	0	0	-	-
93	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
93	7.5	Flood Storage Areas	0	0	0	-	-
94 >	7.6 >	Flood Zone 2 >	Identified (within 50m)				
95	7.7	Flood Zone 3	None (within 50m)				
Page	Section	**Surface water flooding** >					
96 >	8.1 >	Surface water flooding >	1 in 30 year, 0.1m - 0.3m (within 50m)				
Page	Section	**Groundwater flooding** >					
98 >	9.1 >	Groundwater flooding >	Low (within 50m)				
Page	Section	**Environmental designations** >	On site	0-50m	50-250m	250-500m	500-2000m
99	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
100	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
100	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
100	10.4	Special Protection Areas (SPA)	0	0	0	0	0
100	10.5	National Nature Reserves (NNR)	0	0	0	0	0
101 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	0	1
101 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	1
101	10.8	Biosphere Reserves	0	0	0	0	0
102	10.9	Forest Parks	0	0	0	0	0
102	10.10	Marine Conservation Zones	0	0	0	0	0
102 >	10.11 >	Green Belt >	0	0	0	0	1
102	10.12	Proposed Ramsar sites	0	0	0	0	0

103	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
103	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
103	10.15	Nitrate Sensitive Areas	0	0	0	0	0
103	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
104 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
105	10.18	SSSI Units	0	0	0	0	0
Page	Section	**Visual and cultural designations** >	On site	0-50m	50-250m	250-500m	500-2000m
106	11.1	World Heritage Sites	0	0	0	-	-
107	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
107	11.3	National Parks	0	0	0	-	-
107 >	11.4 >	Listed Buildings >	0	0	2	-	-
108	11.5	Conservation Areas	0	0	0	-	-
108 >	11.6 >	Scheduled Ancient Monuments >	0	0	1	-	-
108	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	**Agricultural designations** >	On site	0-50m	50-250m	250-500m	500-2000m
109 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
110	12.2	Open Access Land	0	0	0	-	-
110	12.3	Tree Felling Licences	0	0	0	-	-
110	12.4	Environmental Stewardship Schemes	0	0	0	-	-
110	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	**Habitat designations** >	On site	0-50m	50-250m	250-500m	500-2000m
111 >	13.1 >	Priority Habitat Inventory >	0	0	4	-	-
112	13.2	Habitat Networks	0	0	0	-	-
112 >	13.3 >	Open Mosaic Habitat >	0	0	3	-	-
112	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	**Geology 1:10,000 scale** >	On site	0-50m	50-250m	250-500m	500-2000m
114 >	14.1 >	10k Availability >	Identified (within 500m)				
115 >	14.2 >	Artificial and made ground (10k) >	0	0	4	8	-
117 >	14.3 >	Superficial geology (10k) >	1	2	1	1	-

118	14.4	Landslip (10k)	0	0	0	0	-
119 >	14.5 >	Bedrock geology (10k) >	1	1	3	10	-
120 >	14.6 >	Bedrock faults and other linear features (10k) >	0	2	4	11	-
Page	Section	**Geology 1:50,000 scale >**	On site	0-50m	50-250m	250-500m	500-2000m
122 >	15.1 >	50k Availability >	Identified (within 500m)				
123 >	15.2 >	Artificial and made ground (50k) >	0	0	2	2	-
124	15.3	Artificial ground permeability (50k)	0	0	-	-	-
125 >	15.4 >	Superficial geology (50k) >	1	1	0	0	-
126 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
126	15.6	Landslip (50k)	0	0	0	0	-
126	15.7	Landslip permeability (50k)	None (within 50m)				
127 >	15.8 >	Bedrock geology (50k) >	1	0	2	9	-
128 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
128 >	15.10 >	Bedrock faults and other linear features (50k) >	0	1	3	6	-
Page	Section	**Boreholes >**	On site	0-50m	50-250m	250-500m	500-2000m
130 >	16.1 >	BGS Boreholes >	0	3	29	-	-
Page	Section	**Natural ground subsidence >**					
133 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
134 >	17.2 >	Running sands >	Low (within 50m)				
136 >	17.3 >	Compressible deposits >	Moderate (within 50m)				
138 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
140 >	17.5 >	Landslides >	Very low (within 50m)				
142 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	**Mining and ground workings >**	On site	0-50m	50-250m	250-500m	500-2000m
144 >	18.1 >	BritPits >	0	0	0	3	-
145 >	18.2 >	Surface ground workings >	0	0	12	-	-
146 >	18.3 >	Underground workings >	0	0	0	1	12
147	18.4	Underground mining extents	0	0	0	0	-
147	18.5	Historical Mineral Planning Areas	0	0	0	0	-

147	18.6	Non-coal mining	0	0	0	0	0
147	18.7	JPB mining areas	None (within 0m)				
147 >	18.8 >	The Coal Authority non-coal mining >	0	0	0	2	-
148	18.9	Researched mining	0	0	0	0	-
148 >	18.10 >	Mining record office plans >	0	0	0	2	-
148	18.11	BGS mine plans	0	0	0	0	-
149 >	18.12 >	Coal mining >	Identified (within 0m)				
149	18.13	Brine areas	None (within 0m)				
149	18.14	Gypsum areas	None (within 0m)				
149	18.15	Tin mining	None (within 0m)				
149	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes >	On site	0-50m	50-250m	250-500m	500-2000m
150	19.1	Natural cavities	0	0	0	0	-
151 >	19.2 >	Mining cavities >	0	0	0	0	2
151	19.3	Reported recent incidents	0	0	0	0	-
151	19.4	Historical incidents	0	0	0	0	-
152	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
153 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
155 >	21.1 >	BGS Estimated Background Soil Chemistry >	1	6	-	-	-
155	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
156	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects >	On site	0-50m	50-250m	250-500m	500-2000m
157	22.1	Underground railways (London)	0	0	0	-	-
157	22.2	Underground railways (Non-London)	0	0	0	-	-
158	22.3	Railway tunnels	0	0	0	-	-
158 >	22.4 >	Historical railway and tunnel features >	0	0	21	-	-
159	22.5	Royal Mail tunnels	0	0	0	-	-

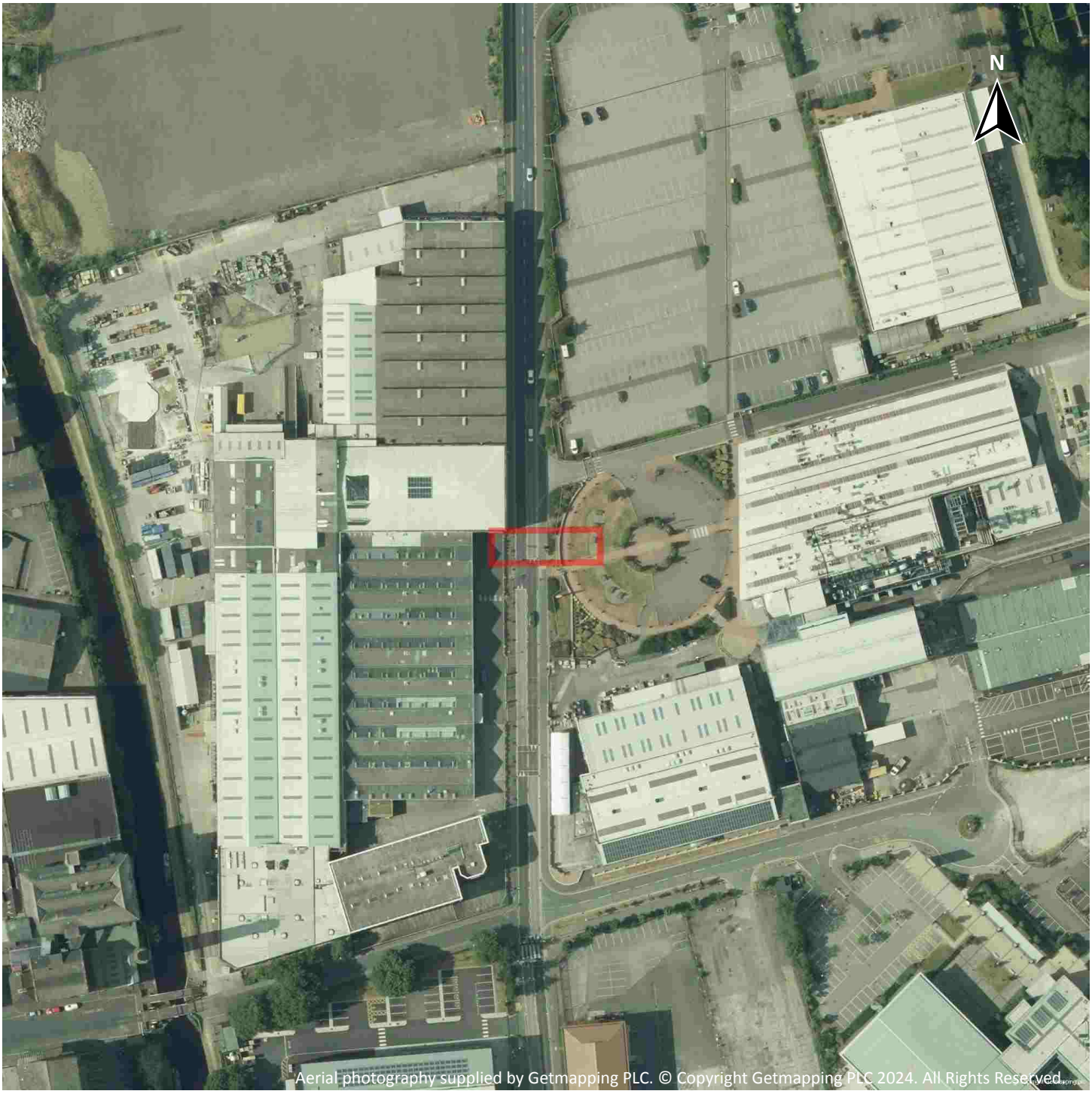
159	22.6	Historical railways	0	0	0	-	-
159	22.7	Railways	0	0	0	-	-
159	22.8	Crossrail 1	0	0	0	0	-
160	22.9	Crossrail 2	0	0	0	0	-
160	22.10	HS2	0	0	0	0	-

Recent aerial photograph

Capture Date: 30/05/2021

Site Area: 0.03ha

Recent site history - 2018 aerial photograph



Capture Date: 01/07/2018

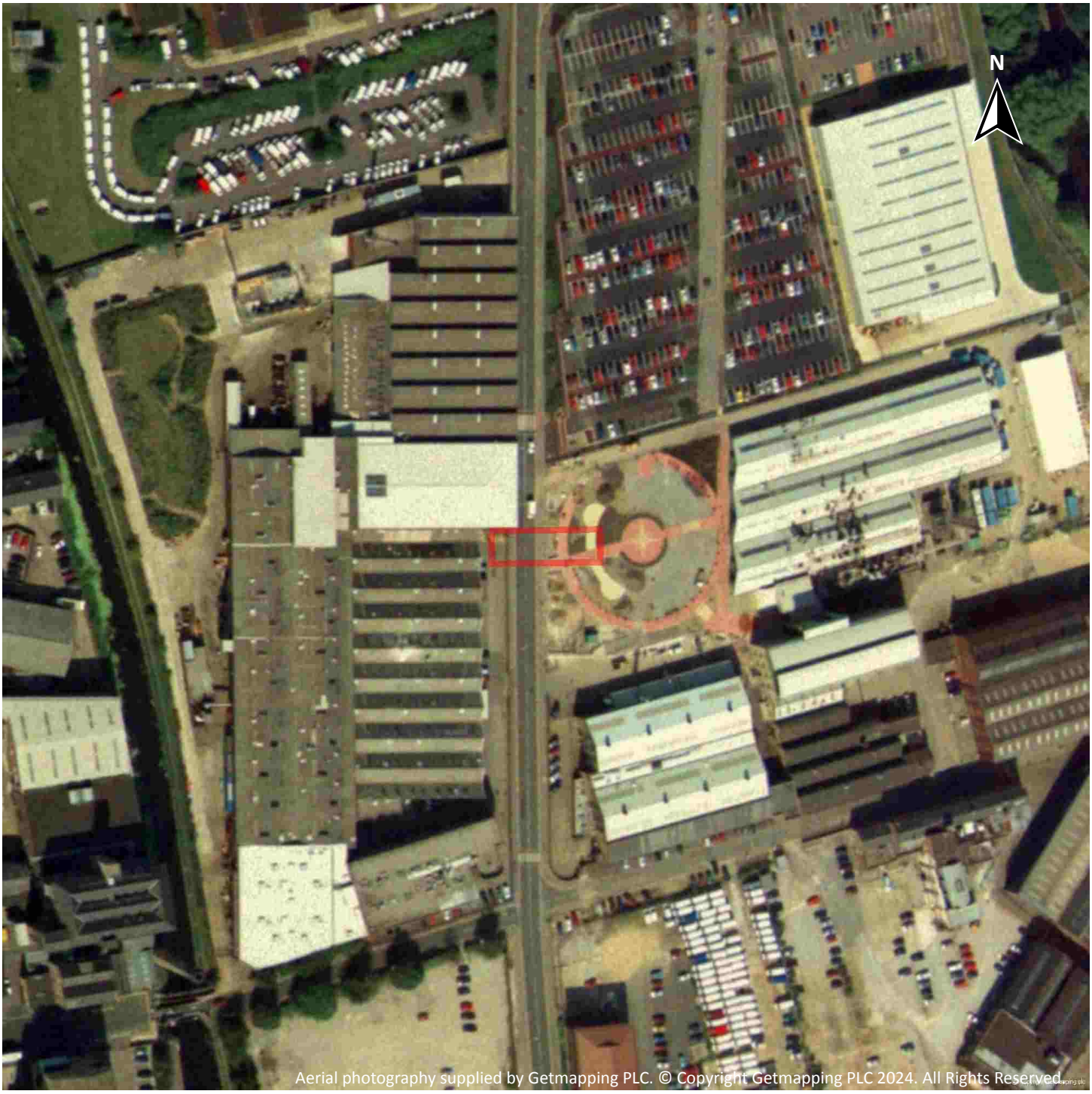
Site Area: 0.03ha

Recent site history - 2012 aerial photograph

Capture Date: 26/03/2012

Site Area: 0.03ha

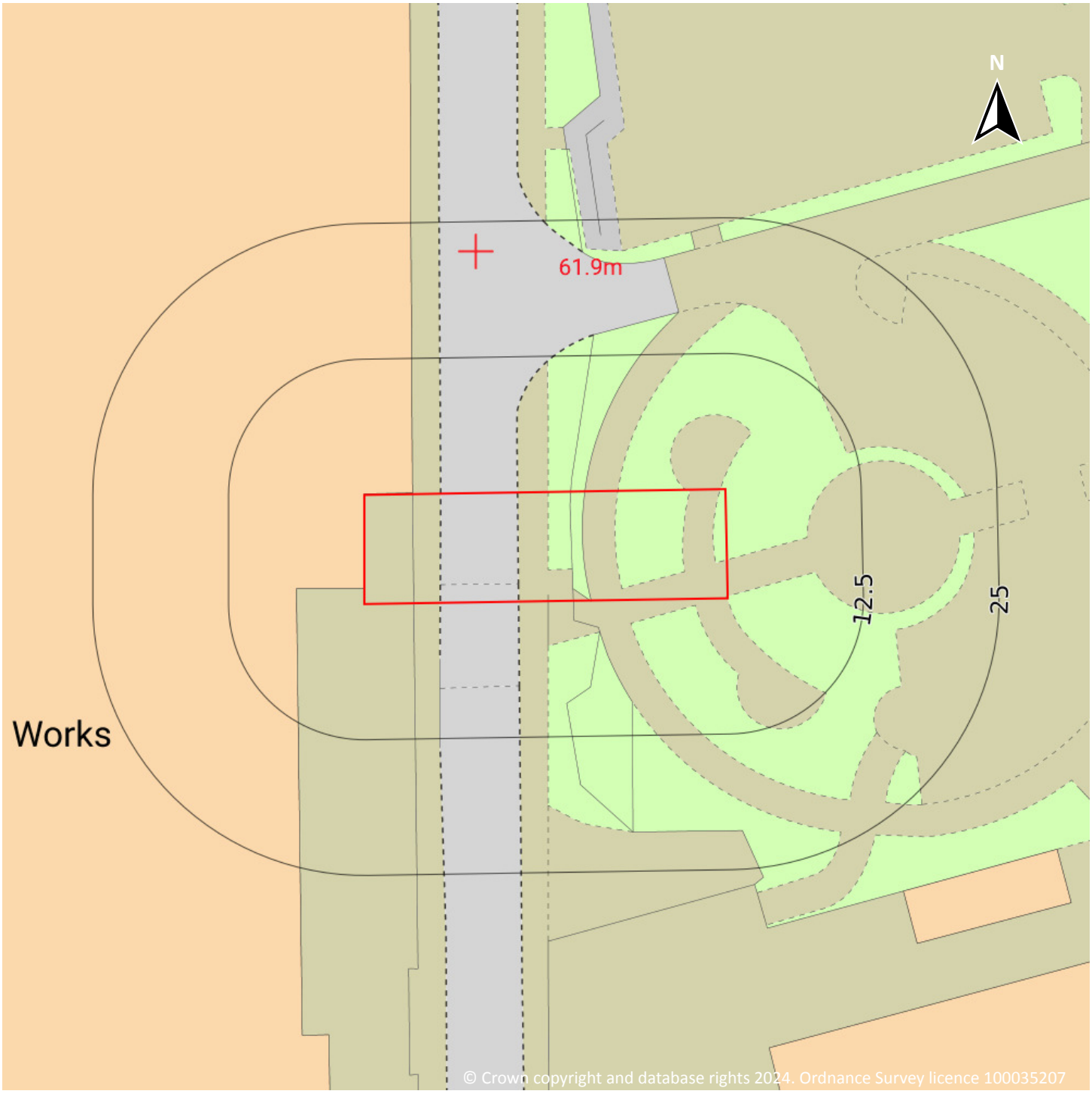
Recent site history - 2000 aerial photograph



Capture Date: 05/08/2000

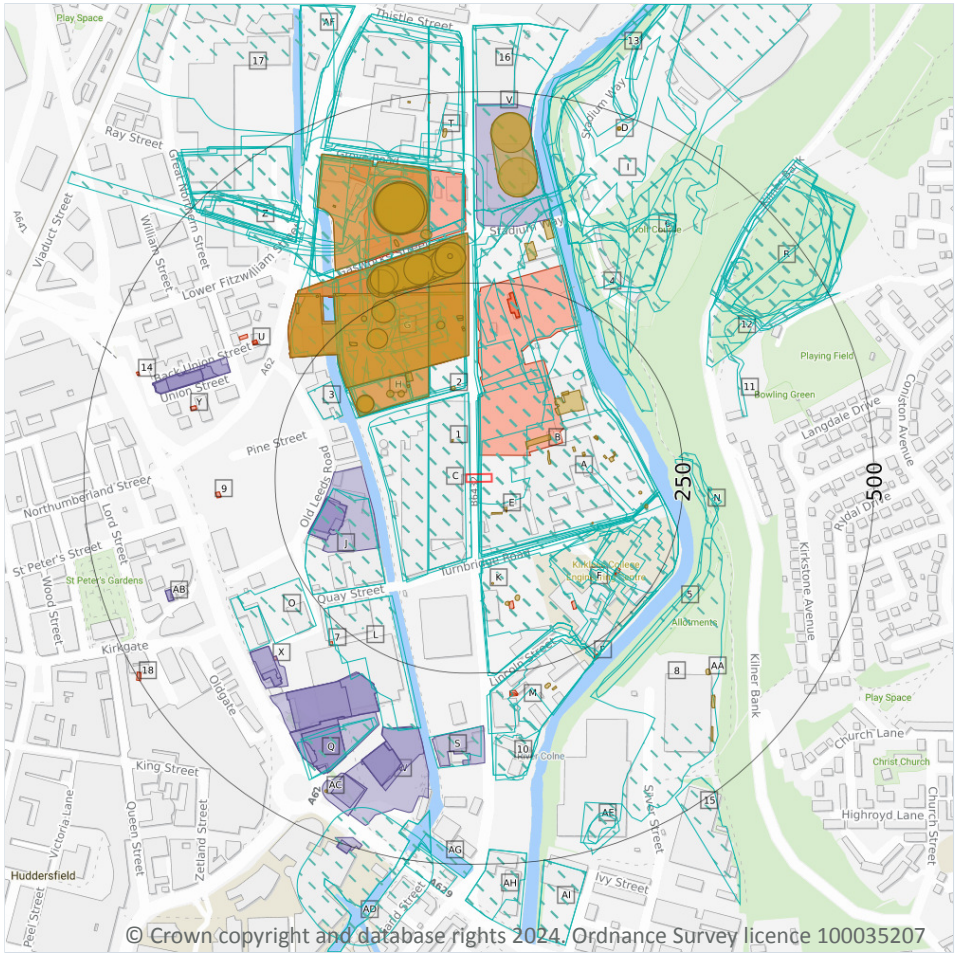
Site Area: 0.03ha

OS MasterMap site plan



Site Area: 0.03ha

1 Past land use



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Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

Historical garages

1.1 Historical industrial land uses

Records within 500m	145

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 14 >**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Colour Works**	**1905**	**1422009**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Unspecified Works**	**1965 - 1988**	**1478636**
A	**On site**	**Unspecified Works**	**1965 - 1975**	**1539417**
B	**On site**	**Bridge Works**	**1956**	**1436307**
B	**On site**	**Unspecified Works**	**1948**	**1464244**
C	**On site**	**Unspecified Commercial/Industrial**	**1956 - 1965**	**1512763**
C	**On site**	**Unspecified Works**	**1975 - 1988**	**1518639**
D	**On site**	**Unspecified Works**	**1938**	**1557888**
C	1m W	Dye Works	1905	1442649
C	50m W	Unspecified Works	1975 - 1985	1541097
F	97m SE	Iron Works	1956	1505501
F	97m SE	Unspecified Commercial/Industrial	1975 - 1988	1519615
F	97m SE	Unspecified Works	1965	1481046
F	102m SE	Iron Works	1938	1520842
F	106m SE	Iron Works	1889 - 1905	1545414
G	110m NW	Gas Works	1889 - 1905	1542379
G	110m N	Unspecified Commercial/Industrial	1948	1488051
G	113m N	Unspecified Commercial/Industrial	1938	1529886
G	114m NW	Unspecified Depot	1985	1428468
G	115m NW	Unspecified Works	1966	1509180
G	116m N	Unspecified Commercial/Industrial	1956 - 1988	1509078
H	116m NW	Dye Works	1956	1523117
H	119m NW	Dye Works	1938 - 1948	1468514
G	119m NW	Railway Sidings	1966	1544741
I	122m NE	Railway Sidings	1938	1512073
D	123m N	Unspecified Works	1965 - 1975	1479306
A	124m E	Rope Walk	1889	1409207
F	126m SE	Railway Sidings	1956	1474797
F	127m SE	Railway Sidings	1938 - 1948	1487334

ID	Location	Land use	Dates present	Group ID
I	127m NE	Railway Sidings	1948	1532961
J	130m W	Unspecified Mills	1966	1540054
J	130m W	Unspecified Mills	1975 - 1985	1554880
H	148m NW	Unspecified Tank	1966	1433311
G	149m NW	Railway Sidings	1956	1477078
G	149m NW	Unspecified Commercial/Industrial	1956	1501901
G	154m NW	Railway Sidings	1938	1524644
F	157m SE	Iron Works	1948	1513121
B	166m NE	Unspecified Tank	1938	1433333
G	168m NW	Railway Sidings	1948	1550539
F	173m SE	Unspecified Mill	1905	1421221
L	178m SW	Unspecified Mills	1985	1551380
3	179m NW	Unspecified Mill	1966	1421227
L	180m SW	Unspecified Mills	1966 - 1975	1535452
G	193m N	Unspecified Tank	1948 - 1956	1551482
G	195m NW	Unspecified Tanks	1889	1425784
G	195m NW	Gasometers	1905	1418489
G	196m N	Unspecified Tank	1938	1523873
G	203m N	Railway Sidings	1956	1528411
I	212m NE	Unspecified Ground Workings	1965 - 1975	1506962
4	214m NE	Unspecified Heap	1905	1415099
M	220m SE	Unspecified Mills	1956	1464892
M	220m SE	Unspecified Commercial/Industrial	1965 - 1988	1543825
M	225m SE	Unspecified Mills	1938 - 1948	1489221
M	227m SE	Unspecified Mill	1889 - 1905	1502312
5	241m E	Unspecified Ground Workings	1905	1539480
6	241m NE	Refuse Heap	1965 - 1975	1500571
N	246m E	Unspecified Ground Workings	1956	1466498

ID	Location	Land use	Dates present	Group ID
I	247m NE	Refuse Heap	1948	1485622
G	250m N	Gasometers	1889 - 1905	1470880
O	253m SW	Dairy	1985	1440391
G	255m N	Unspecified Tanks	1948	1425782
G	258m N	Unspecified Tank	1956	1463422
G	258m N	Unspecified Tank	1966	1502693
G	258m N	Unspecified Tank	1938	1475744
G	262m NW	Unspecified Tank	1956	1491983
G	262m NW	Unspecified Tank	1966	1534664
G	266m N	Unspecified Tank	1956	1481042
G	266m N	Unspecified Tank	1965 - 1988	1517230
D	279m NE	Refuse Heap	1938	1519546
N	282m E	Unspecified Old Shaft	1938	1468143
G	285m N	Electricity Works	1905	1414966
8	286m E	Unspecified Pit	1889	1451765
N	289m E	Unspecified Old Shaft	1905	1417949
I	298m NE	Refuse Heap	1956	1490024
G	305m N	Unspecified Ground Workings	1889	1412293
G	308m N	Gas Works	1975	1414811
G	308m N	Unspecified Works	1985	1506736
R	316m NE	Clay Pit	1975	1436239
O	317m SW	Telephone Exchange	1975 - 1985	1557562
G	318m N	Unspecified Tank	1905	1433317
T	319m N	Unspecified Commercial/Industrial	1965	1512228
T	319m N	Unspecified Commercial/Industrial	1975 - 1988	1533884
S	320m S	Unspecified Works	1975 - 1988	1515371
G	325m N	Unspecified Tanks	1948	1425783
G	326m N	Gasometer	1975	1420662

ID	Location	Land use	Dates present	Group ID
G	326m N	Unspecified Tank	1985	1518716
G	330m N	Unspecified Tank	1956 - 1966	1516580
Q	331m SW	Laundry	1948 - 1956	1544721
G	331m N	Unspecified Tank	1938	1461644
10	332m S	Dye Works	1905	1442650
Q	334m SW	Laundry	1938	1509593
11	337m E	Unspecified Ground Workings	1948	1412284
R	338m NE	Unspecified Quarry	1988	1521248
V	343m N	Unspecified Mill	1965	1421222
V	343m N	Unspecified Commercial/Industrial	1956	1474328
V	343m N	Unspecified Works	1975	1541184
12	356m NE	Unspecified Heap	1965	1415098
G	360m NW	Unspecified Mills	1889	1419117
R	367m NE	Unspecified Quarry	1889 - 1905	1534209
V	367m N	Unspecified Tanks	1965 - 1975	1505220
R	370m NE	Disused Brick Works	1956	1419064
R	371m NE	Brick Works	1938	1544880
Z	372m NW	Unspecified Mill	1966	1421228
R	373m NE	Brick Works	1948	1525816
Z	376m NW	Unspecified Mills	1948	1460371
Z	376m NW	Unspecified Mills	1905	1517544
Z	377m NW	Unspecified Mills	1975 - 1985	1497629
Z	381m NW	Unspecified Mills	1956	1556936
Z	382m NW	Unspecified Mills	1938	1507367
R	384m NE	Unspecified Quarry	1956	1487212
R	388m NE	Unspecified Pit	1938	1537850
R	389m NE	Refuse Heap	1948	1532556
R	391m NE	Unspecified Pit	1965	1538398

ID	Location	Land use	Dates present	Group ID
R	393m NE	Refuse Heap	1938	1527120
R	397m NE	Refuse Heap	1956	1468621
Z	401m NW	Tramway and Omnibus Depot	1956	1426515
Z	402m NW	Omnibus Depot	1966	1420643
Z	404m NW	Tramcar and Omnibus Depot	1938 - 1948	1486273
T	410m N	Unspecified Mills	1889	1464571
Z	410m NW	Unspecified Depot	1975 - 1985	1517461
T	412m N	Unspecified Mills	1948	1479295
T	416m N	Unspecified Mills	1938	1556687
T	417m N	Unspecified Mills	1966 - 1985	1465532
T	417m N	Unspecified Mills	1956	1523683
T	417m N	Unspecified Commercial/Industrial	1905	1519961
AD	433m S	Disused Canal	1985	1487658
AD	433m S	Disused Canal	1975	1532635
13	435m N	Refuse Heap	1938	1513278
AE	437m S	Unspecified Mills	1889	1419118
AD	445m S	Unspecified Wharf	1956	1488489
AE	457m S	Refuse Heap	1948 - 1956	1556209
AF	457m NW	Unspecified Mills	1938 - 1948	1494700
AE	460m S	Unspecified Heap	1938	1537948
AF	461m NW	Unspecified Mills	1956	1494484
AF	461m NW	Unspecified Commercial/Industrial	1966 - 1985	1505864
AG	463m S	Unspecified Wharf	1938	1544108
Z	466m NW	Tramway Depot	1905	1439859
15	471m SE	Unspecified Pit	1965 - 1975	1460702
AH	481m S	Unspecified Works	1975 - 1988	1470403
AH	481m S	Unspecified Works	1965	1504038
AG	481m S	Unspecified Wharf	1948	1525647

ID	Location	Land use	Dates present	Group ID
16	482m N	Unspecified Commercial/Industrial	1988	1542594
17	493m NW	Abattoir	1985	1457720
AI	500m S	Unspecified Works	1965	1438191
AI	500m S	Unspecified Commercial/Industrial	1975 - 1988	1493900

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	**83**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 14 >**

ID	Location	Land use	Dates present	Group ID
E	38m SE	Tanks	1907	230375
E	41m S	Tanks	1918	230376
1	46m NW	Unspecified Tank	1893	223205
A	57m NE	Tanks	1932	230379
A	76m E	Tanks	1918	230380
A	111m E	Unspecified Tank	1932	223198
2	111m N	Unspecified Tank	1907 - 1918	234950
G	113m NW	Gas Works	1907 - 1972	242596
B	116m NE	Tanks	1907 - 1918	243049
A	122m E	Unspecified Tank	1985 - 1995	243009
A	122m E	Unspecified Tank	1997	241581
H	131m NW	Unspecified Tank	1958 - 1972	241084
K	132m S	Unspecified Tank	1893	223204
H	136m NW	Unspecified Tank	1958 - 1959	247188

ID	Location	Land use	Dates present	Group ID
B	137m NE	Unspecified Tank	1985 - 1995	239161
H	140m NW	Unspecified Tank	1972	223215
H	141m NW	Tanks	1932	230366
A	141m E	Unspecified Tank	1893	223199
A	142m E	Tanks	1907	230377
A	143m E	Unspecified Tank	1918	223189
A	148m E	Tanks	1907	230381
G	149m N	Gas Works	1907	246189
G	150m N	Gas Works	-	222688
H	150m NW	Unspecified Tank	1958 - 1959	249600
H	150m NW	Gasometer	1972	229566
K	152m S	Unspecified Tank	1972 - 1993	245059
A	154m E	Unspecified Tank	1918 - 1932	235380
K	158m S	Unspecified Tank	1907 - 1932	248944
A	159m E	Tanks	1907	230378
G	188m N	Unspecified Tank	1907	243578
G	190m N	Unspecified Tank	1893	238998
A	193m E	Unspecified Tank	1993 - 1997	235180
G	193m N	Unspecified Tank	1907 - 1932	240895
G	199m NW	Gasometer	1893 - 1907	234198
G	201m N	Tanks	1907	241918
A	203m E	Unspecified Tank	1972 - 1997	235749
G	204m N	Tanks	1893 - 1932	244445
G	221m NW	Unspecified Tank	1984 - 1992	246946
G	224m NW	Gasometer	1893 - 1907	249370
G	240m NW	Unspecified Tank	1893	223220
G	252m N	Gasometer	1890	229573
G	252m NW	Unspecified Tank	1890	223216

ID	Location	Land use	Dates present	Group ID
G	254m N	Tanks	1932	233702
G	254m N	Gasometers	1907	236628
G	254m N	Gasometers	1893	245487
G	255m N	Unspecified Tank	1890	223214
G	255m N	Tanks	1959	233548
G	255m N	Unspecified Tank	1958	223211
G	255m NW	Gasometer	1890	238182
G	258m NW	Unspecified Tank	1958	223213
G	259m N	Unspecified Tank	1890	223210
G	259m N	Gasometer	1890	229574
G	264m N	Unspecified Tank	1958	223209
G	264m N	Gasholder	1985	230021
M	274m S	Unspecified Tank	1893 - 1959	241979
M	280m S	Unspecified Tank	1932	223201
G	283m NW	Tanks	1893	230364
G	283m N	Gas Holder	-	222607
D	283m N	Tanks	1932	230354
G	302m NW	Unspecified Tank	1890	223219
G	304m NW	Tanks	1907 - 1932	249789
G	307m N	Gas Works	1972 - 1981	245746
G	311m N	Tanks	1907 - 1932	248716
G	312m N	Unspecified Tank	1907 - 1918	246542
D	315m N	Tanks	1932	230353
G	324m N	Unspecified Tank	1932 - 1959	233824
G	325m N	Gas Holder	1995 - 1998	249869
G	325m N	Unspecified Tank	1958	240478
G	325m N	Gasholder	1972	238563
G	326m N	Gasholder	1981 - 1992	244638

ID	Location	Land use	Dates present	Group ID
V	364m N	Unspecified Tank	1958	223206
V	364m N	Tanks	1959	230355
AA	373m SE	Unspecified Tank	1988 - 1997	233480
G	389m NW	Unspecified Tank	1890	223221
AA	401m SE	Unspecified Tank	1988 - 1997	246147
V	421m N	Unspecified Tank	1958	223207
AA	430m SE	Unspecified Tank	1993 - 1997	237606
T	442m N	Tanks	1890 - 1893	238270
AC	442m SW	Unspecified Tank	1985	223218
I	479m N	Unspecified Tank	1958 - 1959	248744
I	480m N	Unspecified Tank	-	222762
T	488m N	Unspecified Tank	1890	223208
T	491m N	Unspecified Tank	1890	223212

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	**41**

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 14 >**

ID	Location	Land use	Dates present	Group ID
B	25m NE	Electricity Transformer Station	1993 - 1995	141917
G	113m NW	Gas Works	1907 - 1972	143168
G	149m N	Corporation Gas Works	1890 - 1893	140098
G	150m N	Gas Works	-	128772
H	150m NW	Gasometer	1972	131423

ID	Location	Land use	Dates present	Group ID
K	158m S	Electricity Substation	1972 - 1993	141593
F	189m SE	Electricity Substation	1972 - 1993	146723
F	199m SE	Electricity Substation	1984 - 1997	143516
G	199m NW	Gasometer	1893 - 1907	135746
F	201m SE	Electricity Substation	1972	134320
D	206m N	Electricity Substation	1985	135346
D	208m N	Electricity Substation	1993 - 1995	144125
G	224m NW	Gasometer	1893 - 1907	137194
G	235m N	Gas Works	1907	145205
G	252m N	Gasometer	1890	131430
G	254m N	Gasometers	1893 - 1907	139074
G	255m NW	Gasometer	1890	145841
G	259m N	Gasometer	1890	131431
G	264m N	Gasholder	1985	131729
P	264m SE	Electricity Substation	1984	133606
P	264m SE	Electricity Substation	1988	133634
P	265m SE	Electricity Substation	1972	140116
P	266m SE	Electricity Substation	1993	132788
P	266m SE	Electricity Substation	1997	133383
7	272m SW	Electricity Substation	1991	128972
M	275m S	Electricity Substation	1972 - 1988	141386
M	278m S	Electricity Substation	1993 - 1997	135566
G	283m N	Gas Holder	-	128623
G	305m N	Electricity Works	1907	131788
G	307m N	Gas Works	1972 - 1981	146340
9	321m W	Electricity Substation	1991 - 1993	144893
U	322m NW	Electricity Substation	1981 - 1992	139878
U	323m NW	Electricity Substation	1972	134429

ID	Location	Land use	Dates present	Group ID
G	325m N	Gas Holder	1995 - 1998	134780
G	325m N	Gasholder	1972	134597
G	326m N	Gasholder	1981 - 1992	143525
U	337m NW	Electricity Substation	1995 - 1998	142389
X	338m SW	Electricity Substation	1985	128973
Y	363m W	Electricity Substation	1972 - 1998	141767
14	446m W	Electricity Substation	1981 - 1998	134351
18	493m SW	Electricity Substation	1991 - 1993	146326

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	**0**

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	**33**

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 14 >**

ID	Location	Land use	Dates present	Group ID
J	127m W	Garage	1985	42119
J	159m W	Garage	1991 - 1993	45527
J	160m W	Garage	1960 - 1966	45226

ID	Location	Land use	Dates present	Group ID
J	164m W	Garage	1959	42018
Q	286m SW	Garage	1959	43861
Q	287m SW	Garage	1966	41836
Q	287m SW	Garage	1960 - 1985	45589
Q	308m SW	Garage	1991	42315
S	319m S	Garage	1993 - 1997	46316
Q	323m SW	Garage	1985	41834
V	325m N	Garage	1993 - 1995	44661
W	327m S	Garage	1985	44185
W	327m S	Garage	1966	43296
X	336m SW	Garage	1966 - 1985	44659
X	336m SW	Garage	1991	42953
Y	336m NW	Garage	1958 - 1959	46650
Y	336m NW	Garage	1995 - 1998	46479
Q	346m SW	Garage	1966 - 1991	46026
Y	349m W	Garage	1972	42612
X	350m SW	Garage	1993	43211
W	355m S	Garage	1991	41802
W	358m S	Garage	1959	42560
Q	358m SW	Garage	1960	42528
Q	358m SW	Garage	1959	41653
W	359m S	Garage	1960	42216
Y	364m W	Garage	1981 - 1992	46516
Y	365m W	Garage	1958 - 1959	46618
AB	411m W	Garage	1960 - 1966	46364
AB	412m W	Garage	1959	42327
AC	413m SW	Garage	1985	43683
AC	413m SW	Garage	1991	42664

ID	Location	Land use	Dates present	Group ID
AD	488m S	Garage	1960 - 1966	45552
AD	496m S	Garage	1959	43427

This data is sourced from Ordnance Survey / Groundsure.

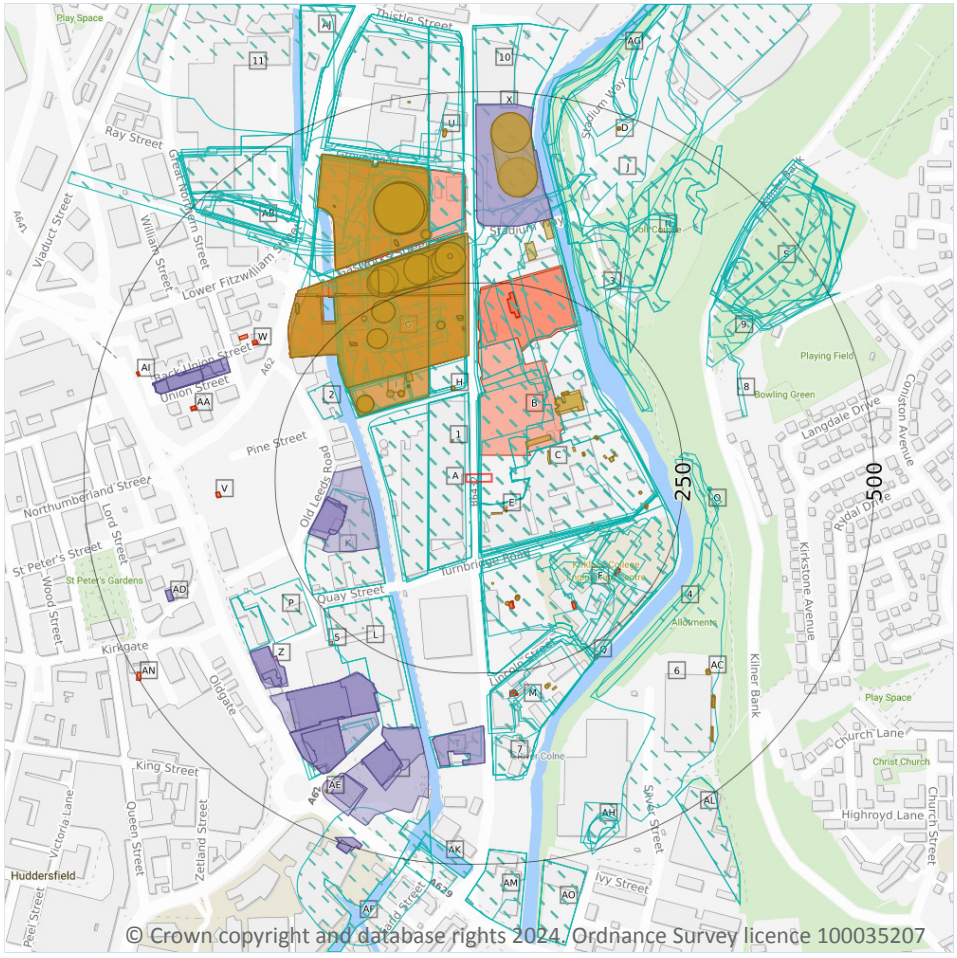
1.6 Historical military land

Records within 500m	**0**

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

This data is sourced from Ordnance Survey / Groundsure / other sources.

2 Past land use - un-grouped



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

Historical garages

2.1 Historical industrial land uses

Records within 500m	201

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 28 >**

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Works	1988	1518639
A	On site	Unspecified Commercial/Industrial	1965	1512763
A	On site	Unspecified Commercial/Industrial	1956	1512763

ID	Location	Land Use	Date	Group ID
A	**On site**	**Unspecified Works**	**1975**	**1518639**
B	**On site**	**Unspecified Works**	**1988**	**1478636**
B	**On site**	**Unspecified Works**	**1965**	**1539417**
B	**On site**	**Colour Works**	**1905**	**1422009**
B	**On site**	**Unspecified Works**	**1975**	**1539417**
C	**On site**	**Unspecified Works**	**1948**	**1464244**
C	**On site**	**Bridge Works**	**1956**	**1436307**
D	**On site**	**Unspecified Works**	**1938**	**1557888**
A	1m W	Dye Works	1905	1442649
B	24m E	Unspecified Works	1988	1478636
B	26m E	Unspecified Works	1965	1478636
B	26m E	Unspecified Works	1975	1478636
A	50m W	Unspecified Works	1975	1541097
A	50m W	Unspecified Works	1985	1541097
F	97m SE	Unspecified Commercial/Industrial	1988	1519615
F	97m SE	Iron Works	1956	1505501
F	97m SE	Unspecified Commercial/Industrial	1975	1519615
F	97m SE	Unspecified Works	1965	1481046
F	102m SE	Iron Works	1938	1520842
F	106m SE	Iron Works	1905	1545414
G	110m NW	Gas Works	1905	1542379
G	110m N	Unspecified Commercial/Industrial	1948	1488051
F	111m SE	Iron Works	1889	1545414
G	113m N	Unspecified Commercial/Industrial	1938	1529886
G	114m NW	Unspecified Depot	1985	1428468
G	115m NW	Unspecified Works	1966	1509180
G	116m N	Unspecified Commercial/Industrial	1988	1509078
G	116m N	Unspecified Commercial/Industrial	1965	1509078

ID	Location	Land Use	Date	Group ID
G	116m N	Unspecified Commercial/Industrial	1956	1509078
G	116m N	Unspecified Commercial/Industrial	1975	1509078
I	116m NW	Dye Works	1956	1523117
I	119m NW	Dye Works	1948	1468514
G	119m NW	Railway Sidings	1966	1544741
I	121m NW	Dye Works	1938	1468514
J	122m NE	Railway Sidings	1938	1512073
D	123m N	Unspecified Works	1965	1479306
D	123m N	Unspecified Works	1975	1479306
B	124m E	Rope Walk	1889	1409207
F	126m SE	Railway Sidings	1956	1474797
F	127m SE	Railway Sidings	1938	1487334
J	127m NE	Railway Sidings	1948	1532961
K	130m W	Unspecified Mills	1975	1554880
K	130m W	Unspecified Mills	1985	1554880
K	130m W	Unspecified Mills	1966	1540054
F	133m SE	Railway Sidings	1948	1487334
G	145m N	Gas Works	1889	1542379
I	148m NW	Unspecified Tank	1966	1433311
G	149m NW	Railway Sidings	1956	1477078
G	149m NW	Unspecified Commercial/Industrial	1956	1501901
G	154m NW	Railway Sidings	1938	1524644
F	157m SE	Iron Works	1948	1513121
C	166m NE	Unspecified Tank	1938	1433333
G	168m NW	Railway Sidings	1948	1550539
F	173m SE	Unspecified Mill	1905	1421221
L	178m SW	Unspecified Mills	1985	1551380
2	179m NW	Unspecified Mill	1966	1421227

ID	Location	Land Use	Date	Group ID
L	180m SW	Unspecified Mills	1975	1535452
L	180m SW	Unspecified Mills	1966	1535452
G	193m N	Unspecified Tank	1948	1551482
G	195m NW	Unspecified Tanks	1889	1425784
G	195m NW	Gasometers	1905	1418489
G	196m N	Unspecified Tank	1938	1523873
G	198m N	Unspecified Tank	1956	1551482
G	203m N	Railway Sidings	1956	1528411
J	212m NE	Unspecified Ground Workings	1975	1506962
J	213m NE	Unspecified Ground Workings	1965	1506962
3	214m NE	Unspecified Heap	1905	1415099
M	220m SE	Unspecified Commercial/Industrial	1988	1543825
M	220m SE	Unspecified Commercial/Industrial	1965	1543825
M	220m SE	Unspecified Mills	1956	1464892
M	220m SE	Unspecified Commercial/Industrial	1975	1543825
M	225m SE	Unspecified Mills	1938	1489221
M	227m SE	Unspecified Mills	1948	1489221
M	227m SE	Unspecified Mill	1905	1502312
M	233m SE	Unspecified Mill	1889	1502312
4	241m E	Unspecified Ground Workings	1905	1539480
N	241m NE	Refuse Heap	1965	1500571
N	241m NE	Refuse Heap	1975	1500571
O	246m E	Unspecified Ground Workings	1956	1466498
J	247m NE	Refuse Heap	1948	1485622
G	250m N	Gasometers	1889	1470880
P	253m SW	Dairy	1985	1440391
G	255m N	Unspecified Tanks	1948	1425782
G	255m N	Gasometers	1905	1470880

ID	Location	Land Use	Date	Group ID
G	258m N	Unspecified Tank	1956	1463422
G	258m N	Unspecified Tank	1966	1502693
G	258m N	Unspecified Tank	1938	1475744
G	262m NW	Unspecified Tank	1956	1491983
G	262m NW	Unspecified Tank	1966	1534664
G	266m N	Unspecified Tank	1988	1517230
G	266m N	Unspecified Tank	1965	1517230
G	266m N	Unspecified Tank	1956	1481042
G	266m N	Unspecified Tank	1975	1517230
D	279m NE	Refuse Heap	1938	1519546
D	279m NE	Refuse Heap	1938	1519546
O	282m E	Unspecified Old Shaft	1938	1468143
O	282m E	Unspecified Old Shaft	1938	1468143
G	285m N	Electricity Works	1905	1414966
6	286m E	Unspecified Pit	1889	1451765
O	289m E	Unspecified Old Shaft	1905	1417949
J	298m NE	Refuse Heap	1956	1490024
G	305m N	Unspecified Ground Workings	1889	1412293
G	308m N	Gas Works	1975	1414811
G	308m N	Unspecified Works	1985	1506736
S	316m NE	Clay Pit	1975	1436239
P	317m SW	Telephone Exchange	1975	1557562
P	317m SW	Telephone Exchange	1985	1557562
G	318m N	Unspecified Tank	1905	1433317
U	319m N	Unspecified Commercial/Industrial	1988	1533884
U	319m N	Unspecified Commercial/Industrial	1965	1512228
U	319m N	Unspecified Commercial/Industrial	1956	1501901
U	319m N	Unspecified Commercial/Industrial	1975	1533884

ID	Location	Land Use	Date	Group ID
T	320m S	Unspecified Works	1988	1515371
T	320m S	Unspecified Works	1975	1515371
G	325m N	Unspecified Tanks	1948	1425783
G	326m N	Gasometer	1975	1420662
G	326m N	Unspecified Tank	1985	1518716
G	330m N	Unspecified Tank	1956	1516580
G	330m N	Unspecified Tank	1966	1516580
R	331m SW	Laundry	1956	1544721
G	331m N	Unspecified Tank	1938	1461644
7	332m S	Dye Works	1905	1442650
R	334m SW	Laundry	1938	1509593
8	337m E	Unspecified Ground Workings	1948	1412284
S	338m NE	Unspecified Quarry	1988	1521248
R	341m SW	Laundry	1948	1544721
X	343m N	Unspecified Mill	1965	1421222
X	343m N	Unspecified Commercial/Industrial	1956	1474328
X	343m N	Unspecified Works	1975	1541184
9	356m NE	Unspecified Heap	1965	1415098
G	360m NW	Unspecified Mills	1889	1419117
S	367m NE	Unspecified Quarry	1889	1534209
X	367m N	Unspecified Tanks	1965	1505220
X	367m N	Unspecified Tanks	1975	1505220
S	370m NE	Disused Brick Works	1956	1419064
S	371m NE	Brick Works	1938	1544880
S	371m NE	Brick Works	1938	1544880
AB	372m NW	Unspecified Mill	1966	1421228
S	373m NE	Unspecified Quarry	1905	1534209
S	373m NE	Brick Works	1948	1525816

ID	Location	Land Use	Date	Group ID
AB	376m NW	Unspecified Mills	1948	1460371
AB	376m NW	Unspecified Mills	1905	1517544
AB	377m NW	Unspecified Mills	1975	1497629
AB	377m NW	Unspecified Mills	1985	1497629
AB	381m NW	Unspecified Mills	1956	1556936
AB	382m NW	Unspecified Mills	1938	1507367
S	384m NE	Unspecified Quarry	1956	1487212
S	388m NE	Unspecified Pit	1938	1537850
S	388m NE	Unspecified Pit	1938	1537850
S	389m NE	Refuse Heap	1948	1532556
S	391m NE	Unspecified Pit	1965	1538398
S	393m NE	Refuse Heap	1938	1527120
S	393m NE	Refuse Heap	1938	1527120
S	397m NE	Refuse Heap	1956	1468621
AB	401m NW	Tramway and Omnibus Depot	1956	1426515
AB	402m NW	Omnibus Depot	1966	1420643
AB	404m NW	Tramcar and Omnibus Depot	1948	1486273
AB	409m NW	Tramcar and Omnibus Depot	1938	1486273
U	410m N	Unspecified Mills	1889	1464571
AB	410m NW	Unspecified Depot	1975	1517461
AB	410m NW	Unspecified Depot	1985	1517461
U	412m N	Unspecified Mills	1948	1479295
U	416m N	Unspecified Mills	1938	1556687
U	417m N	Unspecified Mills	1975	1465532
U	417m N	Unspecified Mills	1956	1523683
U	417m N	Unspecified Mills	1985	1465532
U	417m N	Unspecified Mills	1966	1465532
U	417m N	Unspecified Commercial/Industrial	1905	1519961

ID	Location	Land Use	Date	Group ID
AF	433m S	Disused Canal	1975	1532635
AF	433m S	Disused Canal	1985	1487658
AG	435m N	Refuse Heap	1938	1513278
AG	435m N	Refuse Heap	1938	1513278
AH	437m S	Unspecified Mills	1889	1419118
AF	445m S	Unspecified Wharf	1956	1488489
AH	457m S	Refuse Heap	1956	1556209
AJ	457m NW	Unspecified Mills	1948	1494700
AH	460m S	Unspecified Heap	1938	1537948
AH	460m S	Unspecified Heap	1938	1537948
AJ	461m NW	Unspecified Commercial/Industrial	1975	1505864
AJ	461m NW	Unspecified Mills	1956	1494484
AJ	461m NW	Unspecified Commercial/Industrial	1985	1505864
AJ	461m NW	Unspecified Commercial/Industrial	1966	1505864
AJ	462m NW	Unspecified Mills	1938	1494700
AH	462m S	Refuse Heap	1948	1556209
AK	463m S	Unspecified Wharf	1938	1544108
AK	463m S	Unspecified Wharf	1938	1544108
AB	466m NW	Tramway Depot	1905	1439859
AL	471m SE	Unspecified Pit	1965	1460702
AL	471m SE	Unspecified Pit	1975	1460702
AM	481m S	Unspecified Works	1988	1470403
AM	481m S	Unspecified Works	1965	1504038
AM	481m S	Unspecified Works	1975	1470403
AK	481m S	Unspecified Wharf	1948	1525647
10	482m N	Unspecified Commercial/Industrial	1988	1542594
11	493m NW	Abattoir	1985	1457720
AO	500m S	Unspecified Commercial/Industrial	1988	1493900

ID	Location	Land Use	Date	Group ID
AO	500m S	Unspecified Works	1965	1438191
AO	500m S	Unspecified Commercial/Industrial	1975	1493900

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**137**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 28 >**

ID	Location	Land Use	Date	Group ID
E	38m SE	Tanks	1907	230375
E	41m S	Tanks	1918	230376
1	46m NW	Unspecified Tank	1893	223205
B	57m NE	Tanks	1932	230379
B	76m E	Tanks	1918	230380
B	111m E	Unspecified Tank	1932	223198
H	111m N	Unspecified Tank	1907	234950
H	112m N	Unspecified Tank	1918	234950
G	113m NW	Gas Works	1972	242596
C	116m NE	Tanks	1918	243049
C	117m NE	Tanks	1907	243049
B	122m E	Unspecified Tank	1995	243009
B	122m E	Unspecified Tank	1993	243009
B	122m E	Unspecified Tank	1997	241581
B	122m E	Unspecified Tank	1993	243009
B	122m E	Unspecified Tank	1985	243009
I	131m NW	Unspecified Tank	1959	241084
I	131m NW	Unspecified Tank	1972	241084

ID	Location	Land Use	Date	Group ID
I	132m NW	Unspecified Tank	1958	241084
F	132m S	Unspecified Tank	1893	223204
I	136m NW	Unspecified Tank	1959	247188
I	136m NW	Unspecified Tank	1958	247188
C	137m NE	Unspecified Tank	1995	239161
C	137m NE	Unspecified Tank	1993	239161
C	139m NE	Unspecified Tank	1985	239161
I	140m NW	Unspecified Tank	1972	223215
I	141m NW	Tanks	1932	230366
B	141m E	Unspecified Tank	1893	223199
B	142m E	Tanks	1907	230377
B	143m E	Unspecified Tank	1918	223189
B	148m E	Tanks	1907	230381
G	149m N	Gas Works	1907	246189
G	150m N	Gas Works	-	222688
I	150m NW	Unspecified Tank	1958	249600
I	150m NW	Unspecified Tank	1959	249600
I	150m NW	Gasometer	1972	229566
F	152m S	Unspecified Tank	1984	245059
F	152m S	Unspecified Tank	1988	245059
F	152m S	Unspecified Tank	1988	245059
F	153m S	Unspecified Tank	1972	245059
F	154m S	Unspecified Tank	1993	245059
B	154m E	Unspecified Tank	1918	235380
B	154m E	Unspecified Tank	1932	235380
F	158m S	Unspecified Tank	1932	248944
F	158m S	Unspecified Tank	1907	248944
B	159m E	Tanks	1907	230378

ID	Location	Land Use	Date	Group ID
G	188m N	Unspecified Tank	1907	243578
G	190m N	Unspecified Tank	1893	238998
B	193m E	Unspecified Tank	1997	235180
B	193m E	Unspecified Tank	1993	235180
G	193m N	Unspecified Tank	1907	240895
G	193m N	Unspecified Tank	1918	240895
G	193m N	Unspecified Tank	1932	240895
G	199m NW	Gasometer	1893	234198
G	199m NW	Gasometer	1907	234198
G	201m N	Tanks	1907	241918
B	203m E	Unspecified Tank	1997	235749
B	203m E	Unspecified Tank	1993	235749
B	203m E	Unspecified Tank	1972	235749
B	203m E	Unspecified Tank	1984	235749
B	203m E	Unspecified Tank	1988	235749
B	203m E	Unspecified Tank	1988	235749
G	204m N	Tanks	1893	244445
G	204m N	Tanks	1918	244445
G	204m N	Tanks	1932	244445
G	221m NW	Unspecified Tank	1984	246946
G	223m NW	Unspecified Tank	1992	246946
G	224m NW	Gasometer	1893	249370
G	224m NW	Gasometer	1907	249370
G	235m N	Gas Works	1907	242596
G	240m NW	Unspecified Tank	1893	223220
G	252m N	Gasometer	1890	229573
G	252m NW	Unspecified Tank	1890	223216
G	254m N	Gasometers	1907	236628

ID	Location	Land Use	Date	Group ID
G	254m N	Tanks	1932	233702
G	254m N	Gasometers	1893	245487
G	255m N	Unspecified Tank	1890	223214
G	255m N	Tanks	1959	233548
G	255m N	Unspecified Tank	1958	223211
G	255m NW	Gasometer	1890	238182
G	257m N	Tanks	1959	233548
G	258m NW	Unspecified Tank	1958	223213
G	259m NW	Gasometer	1890	238182
G	259m N	Unspecified Tank	1890	223210
G	259m N	Gasometer	1890	229574
G	264m N	Unspecified Tank	1958	223209
G	264m N	Gasholder	1985	230021
M	274m S	Unspecified Tank	1959	241979
M	275m S	Unspecified Tank	1893	241979
M	275m S	Unspecified Tank	1918	241979
M	280m S	Unspecified Tank	1932	223201
G	283m NW	Tanks	1893	230364
G	283m N	Gas Holder	-	222607
D	283m N	Tanks	1932	230354
G	302m NW	Unspecified Tank	1890	223219
G	304m NW	Tanks	1907	249789
G	304m NW	Tanks	1918	249789
G	304m NW	Tanks	1932	249789
G	307m N	Gas Works	1981	245746
G	308m N	Gas Works	1972	245746
G	311m N	Tanks	1907	248716
G	312m N	Unspecified Tank	1907	246542

ID	Location	Land Use	Date	Group ID
G	313m N	Tanks	1918	248716
G	313m N	Tanks	1932	248716
G	313m N	Unspecified Tank	1918	246542
D	315m N	Tanks	1932	230353
G	324m N	Unspecified Tank	1932	233824
G	325m N	Gas Holder	1995	249869
G	325m N	Gas Holder	1998	249869
G	325m N	Unspecified Tank	1958	240478
G	325m N	Unspecified Tank	1959	233824
G	325m N	Gasholder	1972	238563
G	326m N	Gasholder	1981	244638
G	326m N	Gasholder	1992	244638
G	326m N	Gasholder	1984	244638
X	364m N	Unspecified Tank	1958	223206
X	364m N	Tanks	1959	230355
AC	373m SE	Unspecified Tank	1988	233480
AC	373m SE	Unspecified Tank	1988	233480
AC	375m SE	Unspecified Tank	1997	233480
AC	375m SE	Unspecified Tank	1993	233480
G	389m NW	Unspecified Tank	1890	223221
AC	401m SE	Unspecified Tank	1988	246147
AC	401m SE	Unspecified Tank	1988	246147
AC	403m SE	Unspecified Tank	1997	246147
AC	403m SE	Unspecified Tank	1993	246147
X	421m N	Unspecified Tank	1958	223207
AC	430m SE	Unspecified Tank	1997	237606
AC	430m SE	Unspecified Tank	1993	237606
U	442m N	Tanks	1890	238270

ID	Location	Land Use	Date	Group ID
AE	442m SW	Unspecified Tank	1985	223218
U	443m N	Tanks	1893	238270
J	479m N	Unspecified Tank	1959	248744
J	479m N	Unspecified Tank	1958	248744
J	480m N	Unspecified Tank	-	222762
U	488m N	Unspecified Tank	1890	223208
U	491m N	Unspecified Tank	1890	223212

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	**85**

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 28 >**

ID	Location	Land Use	Date	Group ID
C	25m NE	Electricity Transformer Station	1995	141917
G	113m NW	Gas Works	1972	143168
G	149m N	Corporation Gas Works	1893	140098
G	149m N	Gas Works	1907	143168
G	150m N	Gas Works	-	128772
I	150m NW	Gasometer	1972	131423
F	158m S	Electricity Substation	1984	141593
F	158m S	Electricity Substation	1988	141593
F	158m S	Electricity Substation	1988	141593
F	159m S	Electricity Substation	1972	141593
F	160m S	Electricity Substation	1993	141593
D	165m N	Electricity Transformer Station	1993	141917
F	189m SE	Electricity Substation	1984	146723

ID	Location	Land Use	Date	Group ID
F	189m SE	Electricity Substation	1988	146723
F	189m SE	Electricity Substation	1988	146723
F	189m SE	Electricity Substation	1972	146723
F	189m SE	Electricity Substation	1993	146723
F	199m SE	Electricity Substation	1984	143516
F	199m SE	Electricity Substation	1988	143516
F	199m SE	Electricity Substation	1988	143516
G	199m NW	Gasometer	1893	135746
G	199m NW	Gasometer	1907	135746
F	200m SE	Electricity Substation	1997	143516
F	200m SE	Electricity Substation	1993	143516
F	201m SE	Electricity Substation	1972	134320
D	206m N	Electricity Substation	1985	135346
D	208m N	Electricity Substation	1995	144125
D	208m N	Electricity Substation	1993	144125
G	224m NW	Gasometer	1893	137194
G	224m NW	Gasometer	1907	137194
G	233m N	Corporation Gas Works	1890	140098
G	235m N	Gas Works	1907	145205
G	235m N	Corporation Gas Works	1893	140098
G	252m N	Gasometer	1890	131430
G	254m N	Gasometers	1907	139074
G	254m N	Gasometers	1893	139074
G	255m NW	Gasometer	1890	145841
G	259m NW	Gasometer	1890	145841
G	259m NW	Corporation Gas Works	1890	140098
G	259m N	Gasometer	1890	131431
G	264m N	Gasholder	1985	131729

ID	Location	Land Use	Date	Group ID
Q	264m SE	Electricity Substation	1984	133606
Q	264m SE	Electricity Substation	1988	133634
Q	265m SE	Electricity Substation	1972	140116
Q	266m SE	Electricity Substation	1997	133383
Q	266m SE	Electricity Substation	1993	132788
5	272m SW	Electricity Substation	1991	128972
M	275m S	Electricity Substation	1984	141386
M	275m S	Electricity Substation	1988	141386
M	275m S	Electricity Substation	1988	141386
M	275m S	Electricity Substation	1972	141386
M	278m S	Electricity Substation	1997	135566
M	278m S	Electricity Substation	1993	135566
G	283m N	Gas Holder	-	128623
G	305m N	Electricity Works	1907	131788
G	307m N	Gas Works	1981	146340
G	308m N	Gas Works	1972	146340
V	321m W	Electricity Substation	1991	144893
W	322m NW	Electricity Substation	1981	139878
W	322m NW	Electricity Substation	1992	139878
W	322m NW	Electricity Substation	1984	139878
V	322m W	Electricity Substation	1993	144893
W	323m NW	Electricity Substation	1972	134429
G	325m N	Gas Holder	1995	134780
G	325m N	Gas Holder	1998	134780
G	325m N	Gasholder	1972	134597
G	326m N	Gasholder	1981	143525
G	326m N	Gasholder	1992	143525
G	326m N	Gasholder	1984	143525

ID	Location	Land Use	Date	Group ID
W	337m NW	Electricity Substation	1995	142389
W	337m NW	Electricity Substation	1998	142389
Z	338m SW	Electricity Substation	1985	128973
AA	363m W	Electricity Substation	1981	141767
AA	363m W	Electricity Substation	1992	141767
AA	363m W	Electricity Substation	1984	141767
AA	364m W	Electricity Substation	1995	141767
AA	364m W	Electricity Substation	1998	141767
AA	364m W	Electricity Substation	1972	141767
AI	446m W	Electricity Substation	1981	134351
AI	446m W	Electricity Substation	1992	134351
AI	446m W	Electricity Substation	1984	134351
AI	447m W	Electricity Substation	1995	134351
AI	447m W	Electricity Substation	1998	134351
AN	493m SW	Electricity Substation	1993	146326
AN	493m SW	Electricity Substation	1991	146326

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m	47

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

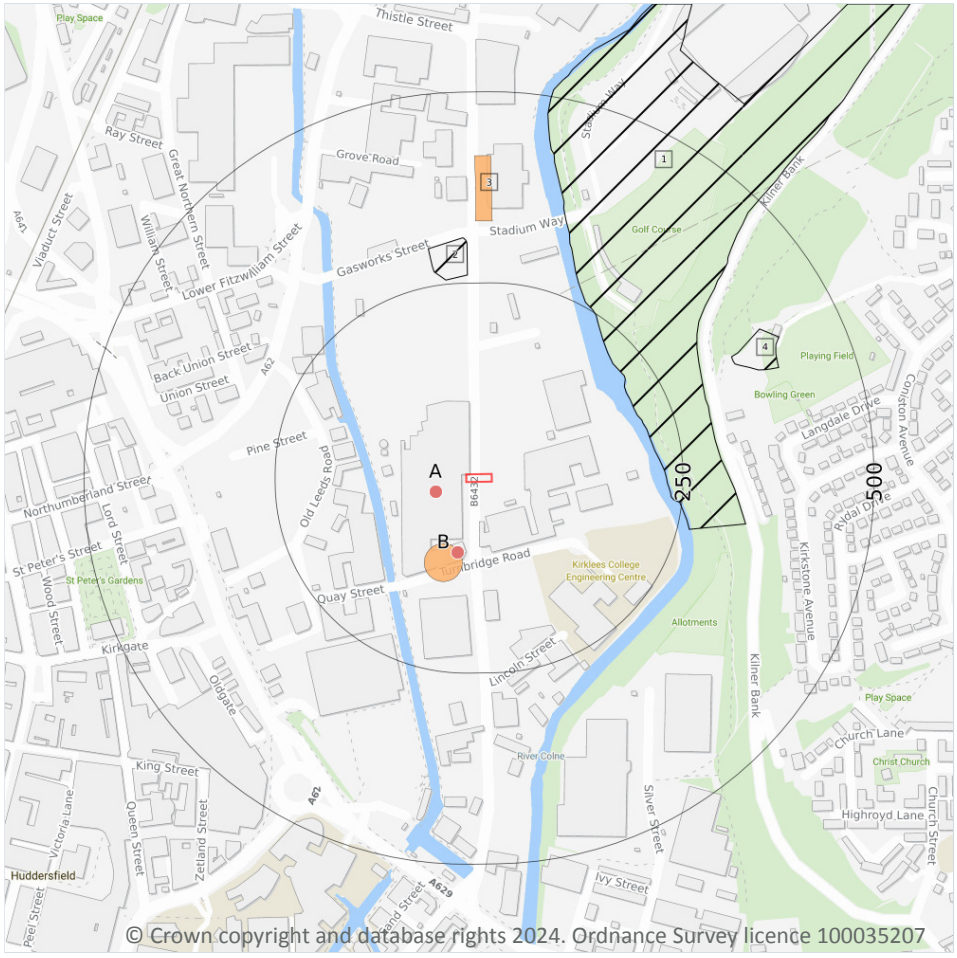
Features are displayed on the Past land use - un-grouped map on **page 28 >**

ID	Location	Land Use	Date	Group ID
K	127m W	Garage	1985	42119
K	159m W	Garage	1991	45527
K	160m W	Garage	1960	45226
K	160m W	Garage	1966	45226
K	160m W	Garage	1993	45527
K	164m W	Garage	1959	42018
R	286m SW	Garage	1959	43861
R	287m SW	Garage	1960	45589
R	287m SW	Garage	1966	41836
R	287m SW	Garage	1985	45589
R	308m SW	Garage	1991	42315
T	319m S	Garage	1997	46316
T	319m S	Garage	1993	46316
R	323m SW	Garage	1985	41834
X	325m N	Garage	1995	44661
X	325m N	Garage	1993	44661
Y	327m S	Garage	1985	44185
Y	327m S	Garage	1966	43296
Z	336m SW	Garage	1966	44659
Z	336m SW	Garage	1991	42953
AA	336m NW	Garage	1959	46650
AA	336m NW	Garage	1995	46479
AA	336m NW	Garage	1998	46479
Z	337m SW	Garage	1985	44659
AA	343m NW	Garage	1958	46650
R	346m SW	Garage	1991	46026
R	346m SW	Garage	1966	46026

ID	Location	Land Use	Date	Group ID
AA	349m W	Garage	1972	42612
Z	350m SW	Garage	1993	43211
Y	355m S	Garage	1991	41802
Y	358m S	Garage	1959	42560
R	358m SW	Garage	1960	42528
R	358m SW	Garage	1959	41653
Y	359m S	Garage	1960	42216
AA	364m W	Garage	1981	46516
AA	364m W	Garage	1992	46516
AA	364m W	Garage	1984	46516
AA	365m W	Garage	1958	46618
AA	366m W	Garage	1959	46618
AD	411m W	Garage	1960	46364
AD	411m W	Garage	1966	46364
AD	412m W	Garage	1959	42327
AE	413m SW	Garage	1985	43683
AE	413m SW	Garage	1991	42664
AF	488m S	Garage	1960	45552
AF	488m S	Garage	1966	45552
AF	496m S	Garage	1959	43427

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



Site Outline

Search buffers in metres (m)

Historical landfill (EA/NRW)

Historical waste sites

Waste exemptions

3.1 Active or recent landfill

Records within 500m	0

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.2 Historical landfill (BGS records)

Records within 500m	0

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	0

Landfill sites identified from Local Authority records and high detail historical mapping.

This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.

3.4 Historical landfill (EA/NRW records)

Records within 500m	3

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on **page 47 >**

ID	Location	Details		
1	204m NE	Site Address: Golf Driving Range, Lower Kilner Bank, off Bradley Mills Road, Huddersfield Licence Holder Address: Civic Centre, Huddersfield	Waste Licence: Yes Site Reference: 4700/0435 Waste Type: Inert, Industrial, Commercial, Household, Special Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 24/05/1984 Licence Surrender: 31/12/1990	Operator: - Licence Holder: Kirklees Metropolitan Borough Council First Recorded - Last Recorded: -
2	255m N	Site Address: NEGAS Holder Station, Gas Works Street, Huddersfield Licence Holder Address: New York Road, Leeds	Waste Licence: Yes Site Reference: 4700/0505 Waste Type: Inert, Industrial, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 19/04/1985 Licence Surrender: 30/04/1994	Operator: - Licence Holder: North East Gas First Recorded 30/04/1985 Last Recorded: 31/08/1989
4	348m NE	Site Address: Brown Royd Quarry, Off Kilner Bank, Dalton, Huddersfield Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: Elliotts Bricks Limited Licence Holder: - First Recorded 25/03/1965 Last Recorded: -

This data is sourced from the Environment Agency and Natural Resources Wales.

3.5 Historical waste sites

Records within 500m	2

Waste site records derived from Local Authority planning records and high detail historical mapping.

Features are displayed on the Waste and landfill map on **page 47 >**

ID	Location	Address	Further Details	Date
B	84m SW	Site Address: Cummings Turbo Technology, St. Andrews Road, HUDDERSFIELD, West Yorkshire, HD1 6RA	Type of Site: Waste Management Area (Alterations) Planning application reference: 2011/62/91414/W2 Description: Scheme comprises construction of canopy over bay 12 waste management area. Construction - canopy roof. An application (ref: 2011/62/91414/W2) for detailed planning permission was granted by Kirklees B.C. A detailed planning application has been granted Data source: Historic Planning Application Data Type: Point	13/11/2011
3	330m N	Site Address: N/A	Type of Site: Refuse Destructor Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1932

This data is sourced from Ordnance Survey/Groundsure and Local Authority records.

3.6 Licensed waste sites

Records within 500m	0

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.7 Waste exemptions

Records within 500m	21

Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

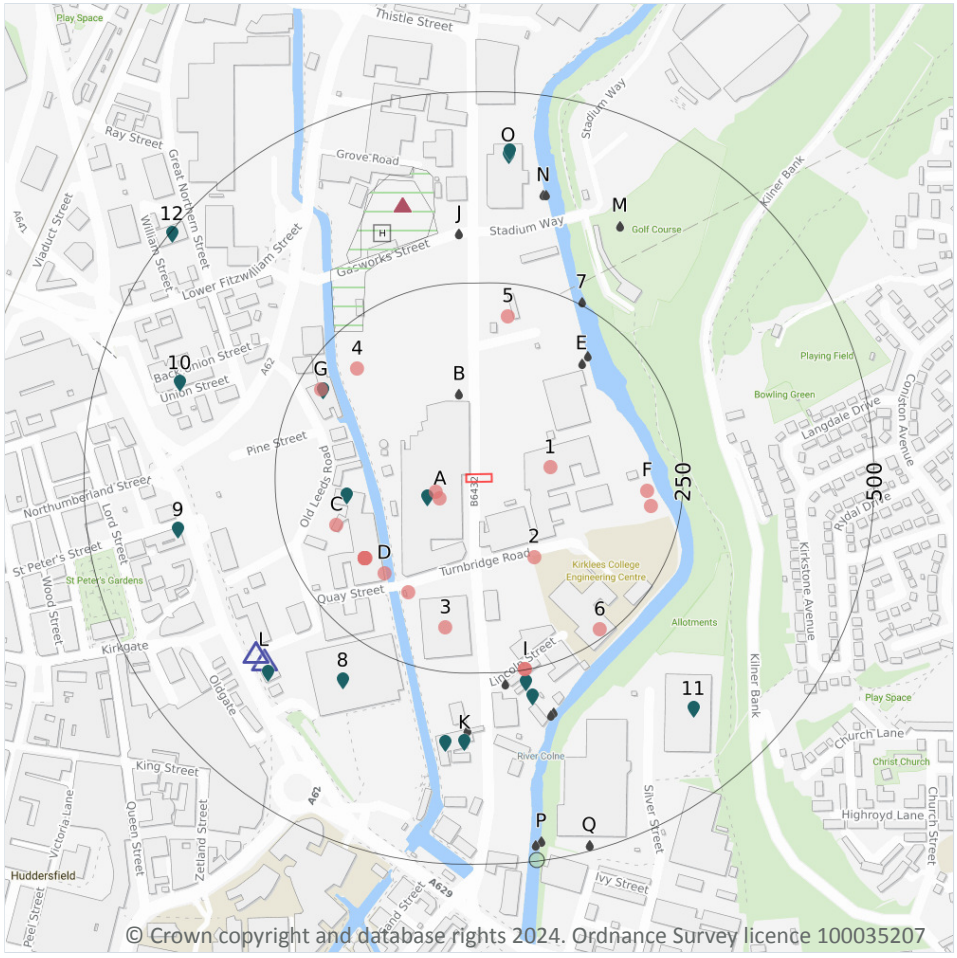
Features are displayed on the Waste and landfill map on **page 47 >**

ID	Location	Site	Reference	Category	Sub-Category	Description
A	42m W	ST. ANDREWS ROAD, HUDDERSFIELD, HD1 6RA	WEX358146	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	42m W	ST. ANDREWS ROAD, HUDDERSFIELD, HD1 6RA	WEX358146	Storing waste exemption	Not on a farm	Storage of waste in secure containers
A	42m W	ST. ANDREWS ROAD, HUDDERSFIELD, HD1 6RA	WEX358146	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	42m W	ST. ANDREWS ROAD, HUDDERSFIELD, HD1 6RA	WEX358146	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
A	42m W	ST. ANDREWS ROAD, HUDDERSFIELD, HD1 6RA	WEX358146	Treating waste exemption	Not on a farm	Recovery of scrap metal
A	42m W	ST. ANDREWS ROAD, HUDDERSFIELD, HD1 6RA	WEX231967	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
A	42m W	ST. ANDREWS ROAD, HUDDERSFIELD, HD1 6RA	WEX231967	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	42m W	ST. ANDREWS ROAD, HUDDERSFIELD, HD1 6RA	WEX231967	Storing waste exemption	Not on a farm	Storage of waste in secure containers
A	42m W	ST. ANDREWS ROAD, HUDDERSFIELD, HD1 6RA	WEX231967	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	42m W	ST. ANDREWS ROAD, HUDDERSFIELD, HD1 6RA	WEX088310	Storing waste exemption	Not on a farm	Storage of waste in secure containers
A	42m W	ST. ANDREWS ROAD, HUDDERSFIELD, HD1 6RA	WEX088310	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	42m W	ST. ANDREWS ROAD, HUDDERSFIELD, HD1 6RA	WEX088310	Treating waste exemption	Not on a farm	Crushing waste fluorescent tubes
A	42m W	ST. ANDREWS ROAD, HUDDERSFIELD, HD1 6RA	WEX088310	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
A	42m W	ST. ANDREWS ROAD, HUDDERSFIELD, HD1 6RA	WEX088310	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	42m W	ST. ANDREWS ROAD, HUDDERSFIELD, HD1 6RA	WEX231967	Treating waste exemption	Not on a farm	Recovery of scrap metal
A	42m W	ST. ANDREWS ROAD, HUDDERSFIELD, HD1 6RA	WEX088310	Treating waste exemption	Not on a farm	Recovery of scrap metal

ID	Location	Site	Reference	Category	Sub-Category	Description
B	94m S	Cummins Turbo Technologies St. Andrews Road HUDDERSFIELD HD1 6RA	EPR/RF0602HJ/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in secure containers
B	94m S	Cummins Turbo Technologies St. Andrews Road HUDDERSFIELD HD1 6RA	EPR/RF0602HJ/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
B	94m S	Cummins Turbo Technologies St. Andrews Road HUDDERSFIELD HD1 6RA	EPR/RF0602HJ/A001	Treating waste exemption	Non-Agricultural Waste Only	Crushing waste fluorescent tubes
B	94m S	Cummins Turbo Technologies St. Andrews Road HUDDERSFIELD HD1 6RA	EPR/RF0602HJ/A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)
B	94m S	Cummins Turbo Technologies St. Andrews Road HUDDERSFIELD HD1 6RA	EPR/RF0602HJ/A001	Treating waste exemption	Non-Agricultural Waste Only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising

This data is sourced from the Environment Agency and Natural Resources Wales.

4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m	22

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 52 >**

ID	Location	Company	Address	Activity	Category
A	41m SW	Works	West Yorkshire, HD1	Unspecified Works Or Factories	Industrial Features
A	42m W	Cummins Turbo Technologies	-, St Andrew's Road, Huddersfield, West Yorkshire, HD1 6RA	Engines	Industrial Products

ID	Location	Company	Address	Activity	Category
1	77m E	Works	West Yorkshire, HD1	Unspecified Works Or Factories	Industrial Features
2	113m SE	Electricity Sub Station	West Yorkshire, HD1	Electrical Features	Infrastructure and Facilities
D	160m SW	Chimney	West Yorkshire, HD1	Chimneys	Industrial Features
D	163m SW	Electricity Sub Station	West Yorkshire, HD1	Electrical Features	Infrastructure and Facilities
D	165m SW	S C M Turbomotive Ltd	Turnbridge Mills, Quay Street, Huddersfield, West Yorkshire, HD1 6QT	Engines	Industrial Products
D	166m SW	Aura Print Ltd	Suite 4 Turnbridge Mills, Quay Street, Huddersfield, West Yorkshire, HD1 6QX	Published Goods	Industrial Products
D	166m SW	C H P	Turnbridge Mills, Quay Street, Huddersfield, West Yorkshire, HD1 6QT	Published Goods	Industrial Products
D	166m SW	Voodoo S M S	Turnbridge Mills, Quay Street, Huddersfield, West Yorkshire, HD1 6QT	Radar and Telecommunications Equipment	Industrial Products
D	166m SW	Corpro Solutions	Turnbridge Mills, Quay Street, Huddersfield, West Yorkshire, HD1 6QT	Radar and Telecommunications Equipment	Industrial Products
D	166m SW	The Foil Company	Floor 2 Turnbridge Mills, -, Huddersfield, West Yorkshire, HD1 6QT	Published Goods	Industrial Products
C	179m W	Frank Key	29, Old Leeds Road, Huddersfield, West Yorkshire, HD1 1SG	Construction and Tool Hire	Hire Services
3	192m S	Polyseam Ltd	15, St Andrew's Road, Huddersfield, West Yorkshire, HD1 6SB	Adhesives and Sealants	Industrial Products
4	199m NW	Mast	West Yorkshire, HD1	Telecommunications Features	Infrastructure and Facilities
F	204m E	Tank	West Yorkshire, HD1	Tanks (Generic)	Industrial Features
5	208m N	Electricity Sub Station	West Yorkshire, HD1	Electrical Features	Infrastructure and Facilities
F	211m E	Tank	West Yorkshire, HD1	Tanks (Generic)	Industrial Features
G	220m NW	Beldam Crossley Ltd	Waterloo Mills, Old Leeds Road, Huddersfield, West Yorkshire, HD1 1SE	Seals, Tapes, Taps and Valves	Industrial Products

ID	Location	Company	Address	Activity	Category
6	240m SE	Travelling Crane	West Yorkshire, HD1	Travelling Cranes and Gantries	Industrial Features
I	250m S	Pegasus Signs	Aspley Business Park, Lincoln Street, Huddersfield, West Yorkshire, HD1 6RX	Signs	Industrial Products
I	250m S	Marko's Autos	Unit 7 Aspley Business Park, Lincoln Street, Huddersfield, West Yorkshire, HD1 6RX	Vehicle Repair, Testing and Servicing	Repair and Servicing

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	**2**

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 52 >**

ID	Location	Company	Address	LPG	Status
L	353m SW	OBSOLETE	A62, Southgate, Huddersfield, West Yorkshire, HD1 6QR	Not Applicable	Obsolete
L	354m SW	SAINSBURYS	Southgate, Shorehead, Huddersfield, West Yorkshire, HD1 6QR	No	Open

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	**0**

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	**0**

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	2

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

Features are displayed on the Current industrial land use map on **page 52 >**

ID	Location	Company	Address	Operational status	Tier
H	231m NW	Northern Gas Networks Ltd	Northern Gas Networks Ltd, Huddersfield Holder Station, Gas Works Street, Huddersfield, West Yorkshire, HD1 6NA	Historical NIHHS Site	-
H	310m N	British Gas	British Gas, Gas Works Street, Huddersfield	Historical NIHHS Site	-

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	2

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

Features are displayed on the Current industrial land use map on **page 52 >**

ID	Location	Details	
H	362m N	Application reference number: 92/04972 Application status: Historical Consent Application date: 27/10/1992 Address: British Gas Plc, North Eastern, Gas Works Street/Leeds Road, Huddersfield, LS10 1LJ	Details: Deemed hazardous substances conset for fixed storage and piped distribution of natural gas Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
H	362m N	Application reference number: 2000/91096 Application status: Approved Application date: 03/04/2000 Address: Northern Gas Networks Ltd, Huddersfield Holder Station, Leeds Road, Huddersfield, West Yorkshire, HD1 6NA	Details: Continuation of deemed consent 1992/04972 for fixed and piped distribution of natural gas. Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	0

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.10 Licensed industrial activities (Part A(1))

Records within 500m	0

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.11 Licensed pollutant release (Part A(2)/B)

Records within 500m	16

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on **page 52 >**

ID	Location	Address	Details	
A	55m W	Holset Engineering Co Ltd, St Andrews Rd, Huddersfield, HD1 6RA	Process: Rubber Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
C	157m W	Sainsburys Supermarkets, Quay St, Huddersfield, Huddersfield, HD1 6QX	Process: Petrol Vapour Recovery Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
G	217m NW	A Roberts Ltd(t/a Cockins) Waterloo Mills, Old Leeds Rd, Huddersfield, HD1 1SE	Process: Asbestos Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
G	217m NW	A Roberts Packaging Ltd, Waterloo Mills, Old Leeds Rd, Huddersfield, HD1 1SE	Process: Coating Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
I	267m S	Huddersfield Polymeric Products Ltd, Aspley Works, Lincoln St, Huddersfield, HD1 6RX	Process: Coating Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
I	286m S	Francis W Birkett & Sons, Lincoln St, St Andrews Rd, Huddersfield, HD1 6RT	Process: Non-ferrous Metal Foundry Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
8	306m SW	Johnson Cleaners UK, Sainsburys, Shorehead, Huddersfield, HD1 6QR	Process: Dry Cleaning Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
K	341m S	G W Bodyshop Ltd, St Andrews Road, Huddersfield, HD1 3LP	Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
K	343m S	Huddersfield Accident Repair Centre, 9 St Andrew's Road, Aspley, Huddersfield, HD1 6SB	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

ID	Location	Address	Details	
L	360m SW	Sainsbury's Supermarkets Ltd, Shorehead, Southgate, Huddersfield, HD1 6QR	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
9	382m W	Esteem Dry Cleaners, 36 St Peters Street, Huddersfield, HD1 1RA	Process: Dry Cleaning Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
10	393m W	Trust Motors / Brown & White (Huddersfield) Ltd, Nthgate, Huddersfield, HD1 6AB	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
11	397m SE	J T Ellis & Co Ltd, Silver Street, Aspley, Huddersfield, HD5 9AG	Process: Timber Manufacture Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
O	417m N	Trust Ford, formerly Polar Ford, St Andrews Road, Aspley, Huddersfield, HD1 6RJ	Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
O	422m N	Hartwell Ford Huddersfield, St Andrews Rd, Huddersfield, HD1 6NA	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
12	497m NW	Hindle Brothers (Coachbuilders) Ltd, Albion Garage, William St, Huddersfield, HD1 6BG	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.13 Licensed Discharges to controlled waters

Records within 500m	26

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

Features are displayed on the Current industrial land use map on **page 52 >**

ID	Location	Address	Details	
B	105m N	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 2 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 02/07/1993 Effective Date: 02/07/1993 Revocation Date: 24/01/1995
B	105m N	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 3 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 25/01/1995 Effective Date: 25/01/1995 Revocation Date: 05/03/1995
B	105m N	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 27/05/1963 Effective Date: 27/05/1963 Revocation Date: 01/07/1993
E	186m NE	ANCHOR STREET CSO, ST ANDREWS ROAD (OFF), HUDDERSFIELD, WEST YORKSHIRE, HD1 6RA	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA9172 Permit Version: 1 Receiving Water: RIVER COLNE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 22/08/2007 Effective Date: 22/08/2007 Revocation Date: 08/08/2019

ID	Location	Address	Details	
E	198m NE	ANCHOR STREET CSO, ST ANDREWS ROAD (OFF), HUDDERSFIELD, WEST YORKSHIRE, HD1 6RA	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA9172 Permit Version: 2 Receiving Water: RIVER COLNE	Status: VARIED UNDER EPR 2010 Issue date: 09/08/2019 Effective Date: 09/08/2019 Revocation Date: -
7	253m NE	FORMER FIRESTONE LAND, BETWEEN GASWORKS ST & ANCHOR ST, HUDDERSFIELD, WEST YORKSHIRE	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: WRA7139 Permit Version: 1 Receiving Water: RIVER COLNE	Status: REVOKED - UNSPECIFIED Issue date: 28/03/1995 Effective Date: 28/03/1995 Revocation Date: 07/10/1999
I	266m S	HOLMES W.C. & CO. LTD, TURNBRIDGE WORKS, HUDDERSFIELD, WEST YORKSHIRE	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 3048 Permit Version: 1 Receiving Water: RIVER COLNE	Status: REVOKED - UNSPECIFIED Issue date: 06/06/1974 Effective Date: 06/06/1974 Revocation Date: 15/06/1992
I	312m S	DAISY STREET CSO, OFF ST ANDREWS ROAD, HUDDERSFIELD, WEST YORKSHIRE, HD1 6SB	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA9171 Permit Version: 2 Receiving Water: RIVER COLNE	Status: VARIED UNDER EPR 2010 Issue date: 28/06/2019 Effective Date: 28/06/2019 Revocation Date: -
I	315m S	DAISY STREET CSO, OFF ST ANDREWS ROAD, HUDDERSFIELD, WEST YORKSHIRE, HD1 6SB	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA9171 Permit Version: 1 Receiving Water: RIVER COLNE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 22/08/2007 Effective Date: 22/08/2007 Revocation Date: 27/06/2019
J	315m N	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 27/05/1963 Effective Date: 27/05/1963 Revocation Date: 01/07/1993
J	315m N	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 3 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 25/01/1995 Effective Date: 25/01/1995 Revocation Date: 05/03/1995

ID	Location	Address	Details	
J	315m N	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 2 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 02/07/1993 Effective Date: 02/07/1993 Revocation Date: 24/01/1995
K	325m S	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 27/05/1963 Effective Date: 27/05/1963 Revocation Date: 01/07/1993
K	325m S	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 3 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 25/01/1995 Effective Date: 25/01/1995 Revocation Date: 05/03/1995
K	325m S	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 2 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 02/07/1993 Effective Date: 02/07/1993 Revocation Date: 24/01/1995
M	365m NE	GOLF DRIVING RANGE, ALFRED MCALPINE STADIUM, LEEDS ROAD, HUDDERSFIELD, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: WRA6947 Permit Version: 2 Receiving Water: RIVER COLNE	Status: REVOKED - UNSPECIFIED Issue date: 20/08/1993 Effective Date: 20/08/1993 Revocation Date: 08/11/1994
M	365m NE	GOLF DRIVING RANGE, ALFRED MCALPINE STADIUM, LEEDS ROAD, HUDDERSFIELD, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: WRA6947 Permit Version: 1 Receiving Water: RIVER COLNE	Status: REVOKED - UNSPECIFIED Issue date: 09/11/1994 Effective Date: 09/11/1994 Revocation Date: 28/03/2002
N	370m N	GASWORKS STREET CSO, GASWORKS ST/JCT. ST ANDREWS ROAD, HUDDERSFIELD, WEST YORKSHIRE, HD1 6NA	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA9178 Permit Version: 1 Receiving Water: RIVER COLNE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 23/08/2007 Effective Date: 23/08/2007 Revocation Date: 27/06/2019

ID	Location	Address	Details	
N	371m N	GASWORKS STREET CSO, GASWORKS ST/JCT. ST ANDREWS ROAD, HUDDERSFIELD, WEST YORKSHIRE, HD1 6NA	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA9178 Permit Version: 2 Receiving Water: RIVER COLNE	Status: VARIED UNDER EPR 2010 Issue date: 28/06/2019 Effective Date: 28/06/2019 Revocation Date: -
P	474m S	CARR PIT ROAD CSO, CARR PIT ROAD, HUDDERSFIELD, WEST YORKSHIRE, HD5 9AE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8455 Permit Version: 2 Receiving Water: RIVER COLNE	Status: VARIED UNDER EPR 2010 Issue date: 10/09/2018 Effective Date: 10/09/2018 Revocation Date: -
P	474m S	IVY STREET CSO, OPPOSITE NO.7, IVY STREET, MOLDGREEN, HUDDERSFIELD, WEST YORKSHIRE, HD5 9AE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8489 Permit Version: 2 Receiving Water: RIVER COLNE	Status: VARIED UNDER EPR 2010 Issue date: 15/11/2017 Effective Date: 15/11/2017 Revocation Date: -
P	478m S	CARR PIT ROAD CSO, CARR PIT ROAD, HUDDERSFIELD, WEST YORKSHIRE, HD5 9AE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8455 Permit Version: 1 Receiving Water: RIVER COLNE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 31/03/2005 Effective Date: 31/03/2005 Revocation Date: 09/09/2018
P	478m S	IVY STREET CSO, OPPOSITE NO.7, IVY STREET, MOLDGREEN, HUDDERSFIELD, WEST YORKSHIRE, HD5 9AE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8489 Permit Version: 1 Receiving Water: RIVER COLNE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 24/05/2005 Effective Date: 24/05/2005 Revocation Date: 14/11/2017
Q	492m S	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 2 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 02/07/1993 Effective Date: 02/07/1993 Revocation Date: 24/01/1995
Q	492m S	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 27/05/1963 Effective Date: 27/05/1963 Revocation Date: 01/07/1993

ID	Location	Address	Details	
Q	492m S	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 3 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 25/01/1995 Effective Date: 25/01/1995 Revocation Date: 05/03/1995

This data is sourced from the Environment Agency and Natural Resources Wales.

4.14 Pollutant release to surface waters (Red List)

Records within 500m	0

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.15 Pollutant release to public sewer

Records within 500m	0

Discharges of Special Category Effluents to the public sewer.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.16 List 1 Dangerous Substances

Records within 500m	0

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.17 List 2 Dangerous Substances

Records within 500m	0

Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.18 Pollution Incidents (EA/NRW)

Records within 500m	1

Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on **page 52 >**

ID	Location	Details	
P	498m S	Incident Date: 17/02/2003 Incident Identification: 137402 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

This data is sourced from the Environment Agency and Natural Resources Wales.

4.19 Pollution inventory substances

Records within 500m	0

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.20 Pollution inventory waste transfers

Records within 500m	0

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

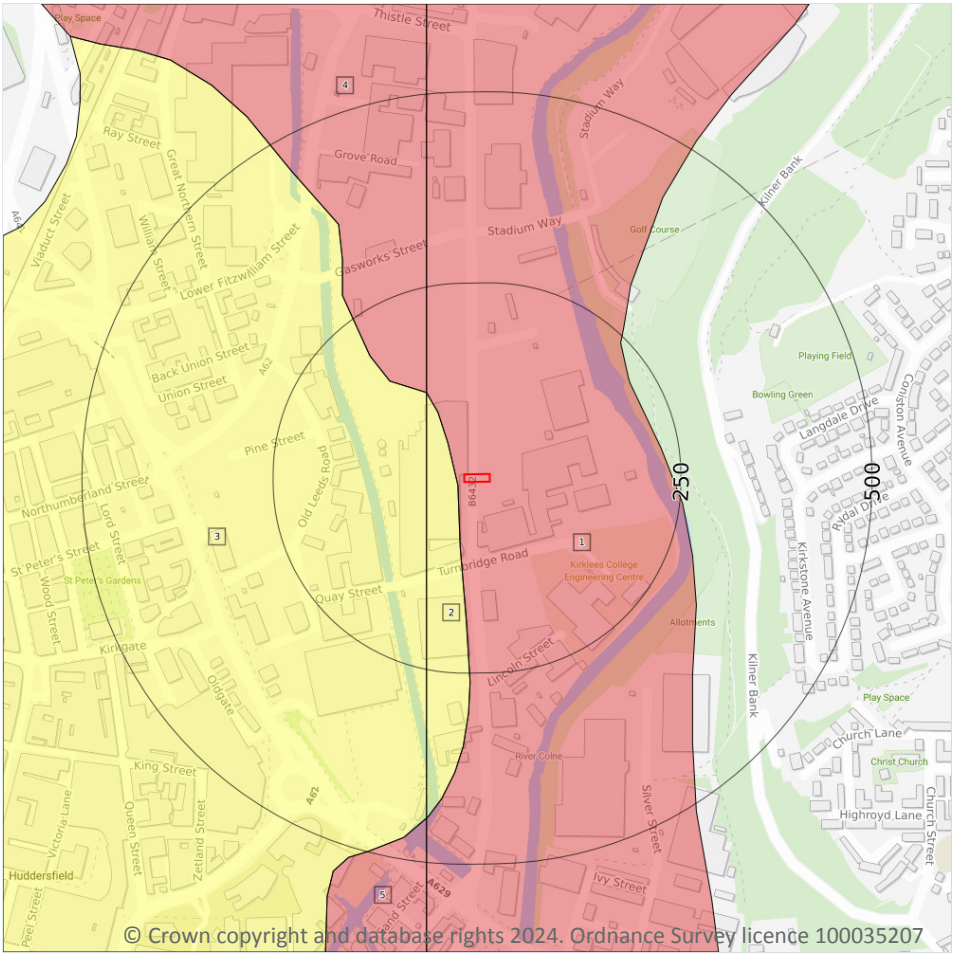
4.21 Pollution inventory radioactive waste

Records within 500m	0

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

5 Hydrogeology - Superficial aquifer



Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive
- Unknown

5.1 Superficial aquifer

Records within 500m	5

Aquifer status of groundwater held within superficial geology.

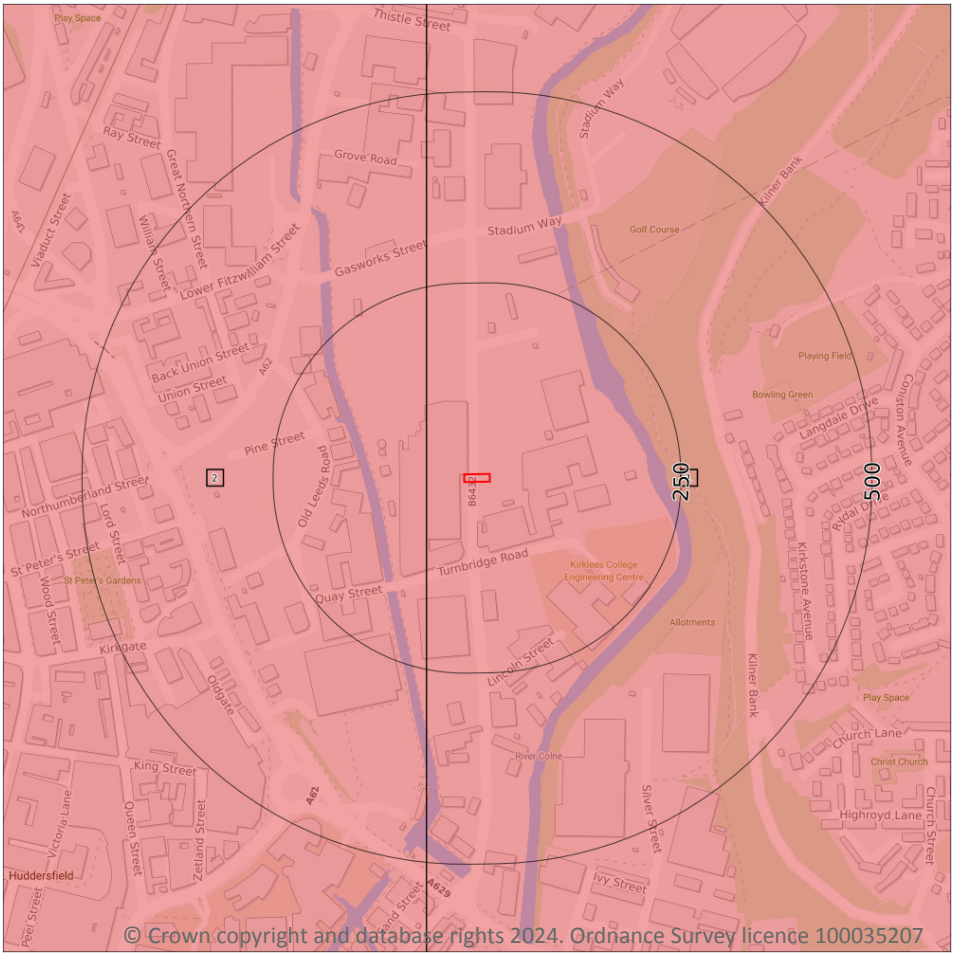
Features are displayed on the Hydrogeology map on **page 66 >**

ID	Location	Designation	Description
1	**On site**	**Secondary A**	**Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers**
2	9m W	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

ID	Location	Designation	Description
3	49m W	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
4	118m NW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
5	442m S	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

Bedrock aquifer



Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive

5.2 Bedrock aquifer

Records within 500m	2

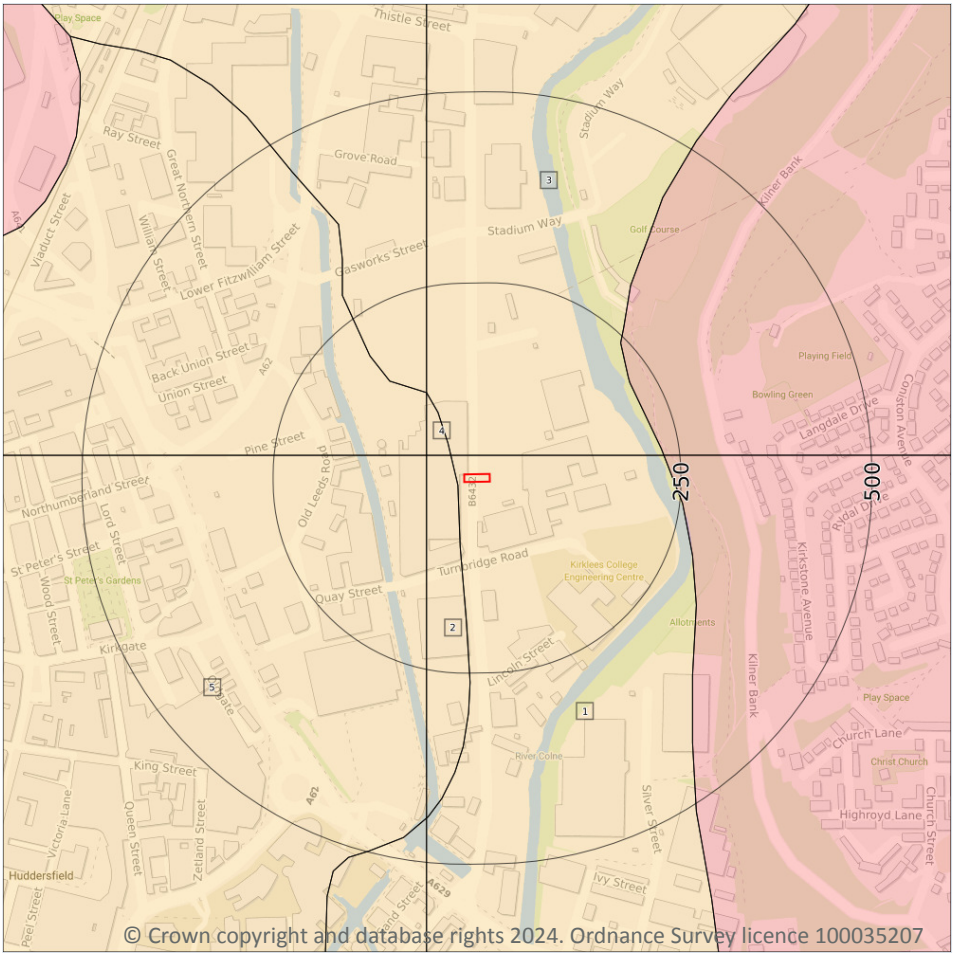
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 68 >**

ID	Location	Designation	Description
1	**On site**	**Secondary A**	**Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers**
2	49m W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

Groundwater vulnerability



Site Outline

Search buffers in metres (m)

Superficial vulnerability

- Principal superficial aquifer, high vulnerability
- Secondary superficial aquifer, high vulnerability
- Principal superficial aquifer, medium vulnerability
- Secondary superficial aquifer, medium vulnerability
- Principal superficial aquifer, low vulnerability
- Secondary superficial aquifer, low vulnerability

Bedrock vulnerability

- Principal bedrock aquifer, high vulnerability
- Secondary bedrock aquifer, high vulnerability
- Principal bedrock aquifer, medium vulnerability
- Secondary bedrock aquifer, medium vulnerability
- Principal bedrock aquifer, low vulnerability
- Secondary bedrock aquifer, low vulnerability

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m	5

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on **page 70 >**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	**On site**	**Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer**	**Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year**	**Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data**	**Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures**
2	9m W	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
3	24m NE	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
4	30m NW	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
5	49m W	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

5.4 Groundwater vulnerability- soluble rock risk

Records on site	**0**

This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

This data is sourced from the British Geological Survey and the Environment Agency.

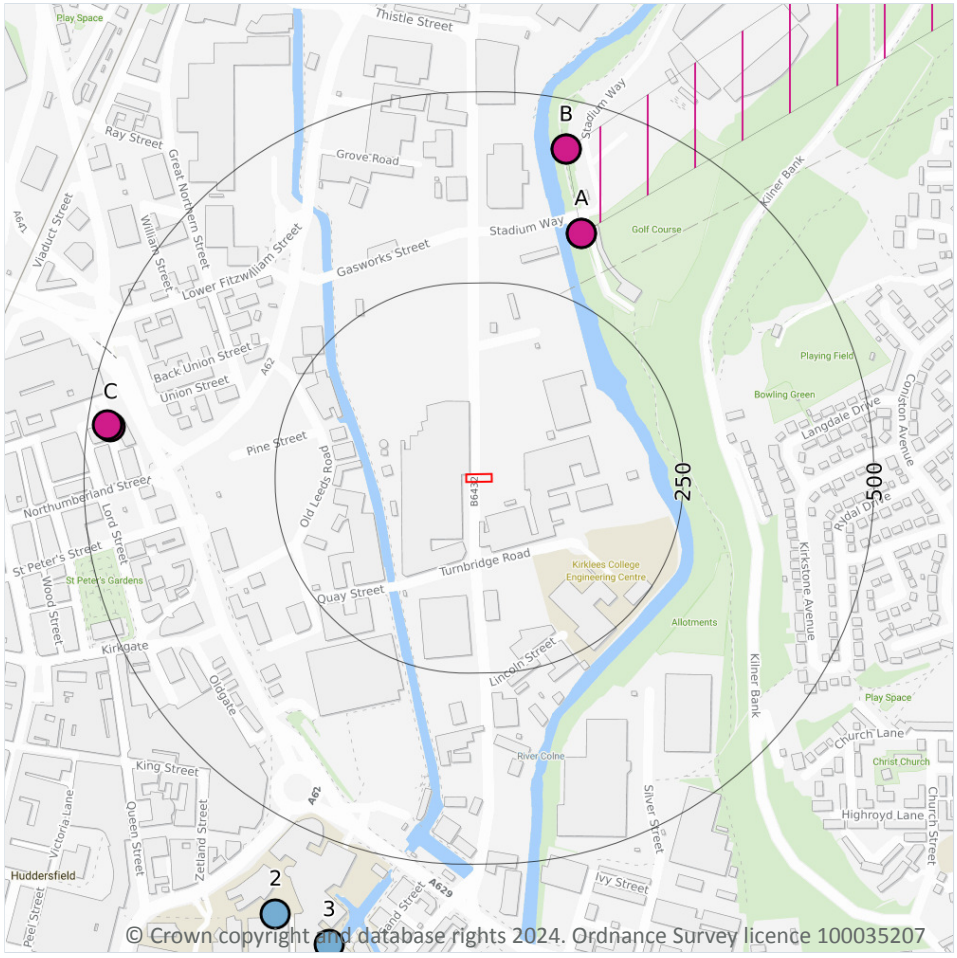
5.5 Groundwater vulnerability- local information

Records on site	0

This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk ↗.

This data is sourced from the British Geological Survey and the Environment Agency.

Abstractions and Source Protection Zones



Site Outline

Search buffers in metres (m)

- Source Protection Zone 1 — Inner catchment
- Source Protection Zone 2 — Outer catchment
- Source Protection Zone 3 — Total catchment
- Source Protection Zone 4 — Zone of Special Interest
- Source Protection Zone 1c — Inner catchment - confined aquifer
- Source Protection Zone 2c — Outer catchment - confined aquifer
- Source Protection Zone 3c — Total catchment - confined aquifer
- Drinking water abstraction licences
- Drinking water abstraction licences — Polygon features
- Drinking water abstraction licences — Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

5.6 Groundwater abstractions

Records within 2000m	31

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 73 >**

ID	Location	Details	
1	335m NE	Status: Historical Licence No: 2/27/11/060 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE X4 - CARBONIFEROUS MILLSTONE GRIT Data Type: Poly4 Name: ZENECA FINE CHEMICAL MANUFACTURING ORGANISATION Easting: 416690 Northing: 418150	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 27/01/1966 Version End Date: -
A	335m NE	Status: Historical Licence No: 2/27/11/060 Details: Process Water Direct Source: GROUNDWATERS Point: BOREHOLE 3 - MILLSTONE GRIT Data Type: Point Name: SYNGENTA LTD Easting: 415200 Northing: 417290	Annual Volume (m^3): 881941 Max Daily Volume (m^3): 6000.84 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/10/2006 Version End Date: -
A	335m NE	Status: Historical Licence No: 2/27/11/060 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE 3 - MILLSTONE GRIT Data Type: Point Name: SYNGENTA LTD Easting: 415200 Northing: 417290	Annual Volume (m^3): 881941 Max Daily Volume (m^3): 6000.84 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/10/2006 Version End Date: -
B	435m N	Status: Historical Licence No: 2/27/11/060 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE 4 - MILLSTONE GRIT - HUDDERSFIELD Data Type: Point Name: SYNGENTA LTD Easting: 415180 Northing: 417400	Annual Volume (m^3): 881941 Max Daily Volume (m^3): 6000.84 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/10/2006 Version End Date: -

ID	Location	Details	
B	435m N	Status: Historical Licence No: 2/27/11/060 Details: Process Water Direct Source: GROUNDWATERS Point: BOREHOLE 4 - MILLSTONE GRIT - HUDDERSFIELD Data Type: Point Name: SYNGENTA LTD Easting: 415180 Northing: 417400	Annual Volume (m^3): 881941 Max Daily Volume (m^3): 6000.84 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/10/2006 Version End Date: -
C	469m W	Status: Active Licence No: 2/27/11/193/R01 Details: Heat Pump Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - HUDDERSFIELD Data Type: Point Name: Kirklees Council Easting: 414584 Northing: 417037	Annual Volume (m^3): 32000 Max Daily Volume (m^3): 357 Original Application No: NPS/WR/025885 Original Start Date: 17/04/2015 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 02/10/2017 Version End Date: -
C	473m W	Status: Historical Licence No: 2/27/11/193 Details: Non-Evaporative Cooling Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - HUDDERSFIELD Data Type: Point Name: KIRKLEES METROPOLITAN COUNCIL Easting: 414580 Northing: 417040	Annual Volume (m^3): 2400 Max Daily Volume (m^3): 85 Original Application No: - Original Start Date: 18/05/2007 Expiry Date: 31/03/2015 Issue No: 2 Version Start Date: 01/04/2008 Version End Date: -
-	983m SE	Status: Active Licence No: 2/27/11/018 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - MOLDGREEN Data Type: Point Name: W T JOHNSON & SONS (HUDDERSFIELD) LTD Easting: 415700 Northing: 416200	Annual Volume (m^3): 105854 Max Daily Volume (m^3): 390.96 Original Application No: 1567(1) Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1965 Version End Date: -
-	983m SE	Status: Active Licence No: 2/27/11/031 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - MOLDGREEN Data Type: Point Name: W T JOHNSON & SONS (HUDDERSFIELD) LTD Easting: 415700 Northing: 416200	Annual Volume (m^3): 36754 Max Daily Volume (m^3): 136.38 Original Application No: 1567(2) Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1965 Version End Date: -

ID	Location	Details	
-	983m SE	Status: Historical Licence No: 2/27/11/031 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: W T JOHNSON & SONS (HUDDERSFIELD) LTD Easting: 415700 Northing: 416200	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1965 Version End Date: -
-	983m SE	Status: Historical Licence No: 2/27/11/018 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: W T JOHNSON & SONS (HUDDERSFIELD) LTD Easting: 415700 Northing: 416200	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1965 Version End Date: -
-	983m SE	Status: Historical Licence No: 2/27/11/031 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - MOLDGREEN Data Type: Point Name: W T JOHNSON & SONS (HUDDERSFIELD) LTD Easting: 415700 Northing: 416200	Annual Volume (m^3): 36754 Max Daily Volume (m^3): 136.38 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1965 Version End Date: -
-	983m SE	Status: Historical Licence No: 2/27/11/018 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - MOLDGREEN Data Type: Point Name: W T JOHNSON & SONS (HUDDERSFIELD) LTD Easting: 415700 Northing: 416200	Annual Volume (m^3): 105854 Max Daily Volume (m^3): 390.956 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1965 Version End Date: -

ID	Location	Details	
-	1026m N	Status: Active Licence No: 2/27/11/171 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - HUDDERSFIELD Data Type: Point Name: HUDDERSFIELD DYEING CO LTD Easting: 415000 Northing: 418000	Annual Volume (m^3): 136410 Max Daily Volume (m^3): 637.07 Original Application No: 6256 Original Start Date: 24/05/1990 Expiry Date: - Issue No: 100 Version Start Date: 24/05/1990 Version End Date: -
-	1026m N	Status: Historical Licence No: 2/27/11/171 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: HUDDERSFIELD DYEING CO LTD Easting: 415000 Northing: 418000	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 24/05/1990 Expiry Date: - Issue No: 100 Version Start Date: 24/05/1990 Version End Date: -
-	1064m SW	Status: Historical Licence No: 2/27/11/176 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: SKA TEXTILES LTD Easting: 414600 Northing: 416000	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 20/08/1995 Expiry Date: - Issue No: 101 Version Start Date: 08/02/2001 Version End Date: -
-	1064m SW	Status: Historical Licence No: 2/27/11/176 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - HUDDERSFIELD Data Type: Point Name: SKA TEXTILES LTD Easting: 414600 Northing: 416000	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 20/08/1995 Expiry Date: - Issue No: 101 Version Start Date: 08/02/2001 Version End Date: -

ID	Location	Details	
-	1075m NW	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: BENJAMIN SHAW & SONS LTD Easting: 414500 Northing: 417900	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 26/03/1999 Version End Date: -
-	1075m NW	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT Data Type: Point Name: BENJAMIN SHAW & SONS LTD Easting: 414500 Northing: 417900	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 26/03/1999 Version End Date: -
-	1163m SW	Status: Historical Licence No: 2/27/11/176 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - HUDDERSFIELD Data Type: Point Name: SKA TEXTILES LTD Easting: 414400 Northing: 416000	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 20/08/1995 Expiry Date: - Issue No: 101 Version Start Date: 08/02/2001 Version End Date: -
-	1207m NW	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-HUDDERSFIELD Data Type: Point Name: BRITVIC SOFT DRINKS PLC Easting: 414140 Northing: 417770	Annual Volume (m^3): 90920 Max Daily Volume (m^3): 636.4 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2009 Version End Date: -
-	1222m NW	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-HUDDERSFIELD Data Type: Point Name: BRITVIC SOFT DRINKS PLC Easting: 414250 Northing: 417900	Annual Volume (m^3): 90920 Max Daily Volume (m^3): 636.4 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2009 Version End Date: -