

**Environmental
Geotechnical
Specialists**



REPORT

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GEO TECHNICAL
ENVIRONMENTAL

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REPORT ON A PHASE ONE DESK STUDY

at

**THE OPEN MARKET, BROOK STREET, HUDDERSFIELD,
WEST YORKSHIRE, HD1 1RY**

for

KIRKLEES COUNCIL

Report No J3444/16/EDS

September 2016

1. INTRODUCTION

The site, located at the Open Market, Brook Street, Huddersfield, is used for market trade and as a car parking area. It is adjacent to a two storey car park and a building is also present on the western boundary. The site is approximately 0.06 hectares in size and its National Grid reference is 414529, 417051. The proposed development is for commercial use and will include the construction of a steel framed single-storey building to house a new compactor unit.

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 by the client and is the subject of this report. In accordance with issued guidance, a site walkover was conducted on the 29th September 2016 and the following observations were made:

General site description/current site use.

- The site is used for market trade and as a car parking area.
- A building is present to the west of the site and there is a two storey car park immediately to the north. The main market hall is to the south.

Site boundaries/access

- The site is openly accessible on foot, however, there are currently evenly spaced bollards surrounding the perimeter to prevent access for vehicles.

Surface cover of site

- The entirety of the site is covered by asphalt.

Visible evidence of contamination/ contaminative sources

- There were no visible signs of historic construction/made ground on site.
- There were no other signs of obvious contamination on site at the time of the walkover.

Topography

- In accordance with the immediate vicinity, the site is flat.

Controlled waters

- There were no controlled waters observed at the surface during the walkover.

Presence of vegetation and wildlife

- No vegetation was observed at the time of the walkover.

Services

- Services in the building to the west remain connected and will need consideration during any intrusive works. A gas pipe is known to be present to the front of this building.
- Access covers/grates were observed within the central areas of the site.

Site neighbours

- Industrial/commercial enterprises surround the site.

In order to ensure that the site is fully characterised and to comply with the Environment Act 1995¹, a Phase One Desk Study has been commissioned by Ilyas Ramjan on behalf of Kirklees Council. 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.

- | | |
|----------------------|--------------|
| • Groundsure Reports | - Appendix 1 |
| • Historical maps | - Appendix 2 |
| • Site Plan | - Appendix 3 |

¹S57 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)

- Photographs
- Coal Mining Report

- Appendix 4
- Appendix 5

The data obtained from the above mentioned sources has been summarised below².

2.1 Historical Land Use

Table 1: Historical Land Use³

HISTORICAL MAPPING SUMMARY		
Map Dates	On site	Within 250m
1854 - 1918	The proposed area of development is occupied by a mill pond until 1907; this pond is associated with a woollen and cotton mill. From 1907, the area of development is unoccupied, however, a building has been constructed on the southern boundary of the site.	Cotton and Woollen Mill and associated ponds - Immediately W & E. Britannia Works - 100m N
1932 - 1978	By 1932 the northern section of the site is developed and buildings are now present on the proposed area of development. The building still exists on the southern boundary of the site. It is assumed that these buildings are associated with the neighbouring mills. The layout remains largely unchanged during the rest of the time period.	Garage - Numerous within 250m Unspecified Works - Numerous within 250m Electrical Sub-station - 100m NE & 150m E Engineering Works - 240m SE
1981 - 2016	The buildings have been demolished and the area is now used for the open air market. The buildings immediately to the east have also been demolished and the current supermarket and two storey car park have been constructed immediately to the north.	Garage - 120m NW & 220m N Unspecified Works - 170m W, 240m W & 240m NNW Electrical Sub-station - 100m NE, 150m E & 200m N Engineering Works - 240m SE

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 ²	Description ⁵
Made Ground/Fill	N/A	N/A	Not indicated on site although previous construction may have resulted in the presence of made ground/fill. Large area of filled ground mapped immediately east.
Superficial Geology	Head	Coombe Deposits	Polymict deposit: comprises gravel, sand and clay depending on upslope source and distance from source. Poorly sorted and poorly stratified deposits formed mostly by solifluction and/or hillwash and soil creep. Essentially comprises sand and gravel, locally with lenses of silt, clay or peat and organic material.

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

³ See Appendix 2

⁴ Sources: British Geological Survey (NERC) Map Sheets; 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]

Solid Geology	Pennine Lower Coal Measures Formation	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.
GEOLOGICAL FEATURES			
Type	Location	Features	Comments
Mining Activity	150m NW	Soft Bed Coal	Soft Bed Coal seam has potential to subcrop beneath the site and could be up to 0.8m thick.
Faults	400m NE	Downthrown to the NE	No impact on the site.
BGS BOREHOLE DATA			
Reference ⁶	Approximate Distance From Site	Strata Description/Depth	
SE11NW500	100m NE	Borehole is positioned within the made ground present on the geological map. Fill present to approximately 1.4m. Head deposits present to around 5.6m. Sandstone and mudstone present to 15m. No coal.	
SE11NW319	520m SE	Head deposits present to 3.0m. Mudstone and shale present to 30m with 0.2m of coal at 7.7m and 0.5m of coal at 24.3m.	
SE11NW327	520m SE	Head deposits present to 9.0m. Mudstone and sandstone present to 30m with 0.1m of coal at 10.2m.	
NATURAL GROUND SUBSIDENCE ⁷ & HAZARDS ⁸			
Type		Risk Rating	
Potential for collapsible ground stability hazards		Very low	
Potential for compressible ground stability		Very Low*	
Potential for ground dissolution stability		Negligible	
Potential for landslide ground stability		Very Low	
Potential for running sand ground stability		Very low	
Potential for shrinking or swelling clay ground stability		Very Low	
Radon		<1% of properties are above the action level. No radon protection measures required.	

*A layer of compressible alluvial material may be present from the historical mill pond.

It should be appreciated that it is likely that there is a significant thickness of head deposits overlying the solid geology (in this instance, the bedrock and subsequent coal seams). There are no geological dip indicators surrounding the site, however, considering the locations of the subcropping coal seams, it is estimated that the solid geology within the local area dips 2° to 3° east. There are two notable coal seams within the local area. These seams are summarised as follows.

⁶ <http://www.bgs.ac.uk/discoveringGeology/geologyOfBritain/viewer.html>

⁷ BGS Digital Geological Map of Great Britain 1:50,000

⁸ BGS GeoSure Data

Table 3: Summary of coal seams within the vicinity of the site.

Seam Name	Seam thickness ^b	Outcrop distance from site ⁹	Estimated depth beneath the site
Soft Bed Coal	0.0 – 0.80m	150m NW	This seam is anticipated to be found at very shallow depths (within 10.0m of the base of the head deposits).
Middle Bed Coal	0.0 – 0.60m	310m E	Due to the position of the site in relation to the dip of the local strata and positions of the surrounding seams, it is not anticipated to be present below the surface of the site.

NB: All distances given are approximate only. It should also be noted that coal seams can vary in thickness over relatively short distances.

2.3 Mining

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

Table 4: Summary of the Non-residential Coal Authority Mining Report

Has the search report highlighted evidence or potential of:			
Ref	Mining Feature	Yes/No	Comments
1	Underground Coal Mining: Past	Yes	The property is not within a surface area that could be affected by past underground mining. However, the property is in an area where the Coal Authority believe there is coal at or close to the surface. This coal may have been worked at some time in the past. The potential presence of coal workings at or close to the surface should be considered prior to any site works or future development activity.
2	Underground Coal Mining: Present	No	The property is not within a surface area that could be affected by present underground mining.
3	Underground Coal Mining: Future	Yes	The property is not in an area where the Coal Authority has plans to grant a licence to remove coal using underground methods. The property is not in an area where a licence has been granted to remove or otherwise work coal using underground methods. The property is not in an area likely to be affected from any planned future underground coal mining. However, reserves of coal exist in the local area which could be worked at some time in the future. No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence. Furthermore, the site is not within the boundary of any past, present or likely opencast mining operations.
4	Mine Entries	No	Please refer to CON29M (ref51001274436001) for further information.
5	Coal Mining Geology	No	
6	Opencast Coal Mining: Past	No	
7	Opencast Coal Mining: Present	No	
8	Opencast Coal Mining: Future	No	

⁹ Sources: British Geological Survey (NERC) Map Sheet 77; Huddersfield; Solid and Drift Edition

9	Coal Mining Subsidence	No	
10	Mine Gas	No	
11	Hazards Related to Coal Mining	No	
12	Withdrawal of Support	No	

2.4 Geological Survey Borehole Records

The British Geological Survey (NERC) keeps borehole records from across Britain which are available for public viewing through their website¹⁰. As part of this study, the records in the area around the site have been reviewed in order to assist in establishing the geological conditions. As the geology is indicated to dip to the east, boreholes were analysed to the east of the site.

It should be appreciated that there were numerous publically available BGS borehole records within 250m of the proposed development. In addition, due to the very shallow dip of the local geology, boreholes approximately 500m away from the site have also been analysed as they contained coal seams at depth and variable thicknesses of superficial deposits. There were other boreholes at a greater distance from the site; however, these were felt to be of lesser value to this study as they were located within adjacent fault blocks or of relatively shallow depths. The boreholes of particular interest have been summarised in Table 2 within Section 2.2 above.

It is anticipated that the Soft Bed Coal seam will be present at shallow depths (approx 5m to 10m) below the head deposits. It should be appreciated that the borehole data reveals that the head deposits are variable in thickness throughout the area; thicknesses range from 3m to 9m.

Borehole SE11NW500, which was undertaken 100m to the north-east and to a depth of 15m, revealed 7.7m of head deposits was revealed above competent bedrock. Moreover, no coal was revealed within the remaining strata before the termination depth. It should be appreciated that the Soft Bed Coal is indicated to be impersistent, therefore, it may not be present within the localised area.

However, two boreholes undertaken approximately 520m to the south-east revealed coal seams at depths of 7.9m, 10.2m and 24.3m. It is considered that the seams revealed at the shallower depths of 7.9m and 10.2m represent the Middle Bed Coal seam, which is known to outcrop to the east of the site. However, the seam observed at 24.3m is considered to be associated with the Soft Bed Coal seam. Despite these two boreholes being undertaken at relatively close locations, it should be appreciated that the Soft Bed Coal seam was only present in one of these boreholes and with a thickness of 0.5m. The omission of this coal seam again confirms the impersistence of the Soft Bed Coal seam.

¹⁰ <http://www.bgs.ac.uk/data/boreholescans/>

2.5 **Construction Issues**

2.5.1 **Foundation Construction**

On the basis of the prevailing geology and assuming that there are no areas of significantly filled ground, it is anticipated that shallow strip or spread foundations could be utilised at this site. It should be appreciated that an intrusive investigation will be required to validate this opinion. Furthermore, made ground and weak alluvial soils may be present from the historical mill pond. Additionally, any underlying mudstones are likely to have weathered to clay at or near the surface. Therefore, it is possible that adjacent to trees (existing or previously removed), the upper weathered zone could be desiccated, thus the proposed foundation depth could be in excess of 1m.

2.5.2 **Site Won Materials**

Where mudstone is encountered at shallow depths, the material is likely to be relatively difficult to re-engineer as a construction material. 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.

2.5.3 **Disposal of Site Materials**

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

2.6 **Waste Management and Gas Monitoring**

Table 5: Landfill Data and Artificial Ground, Recorded and Anticipated

ENVIRONMENT AGENCY, LOCAL AUTHORITY, BGS & HISTORIC LANDFILLS			
Waste Type	Location	Comments	Monitoring Requirement
Waste Management Area	-	No waste management activity present within 250m.	N
MADE GROUND & INFILLED GROUNDWORKINGS			
Description	Location	Comments	Monitoring Requirement
Made ground/fill	On site	Previous construction on site could have resulted in made ground/fill being present. Intrusive investigation should include gas monitoring if significant made ground is revealed in the boreholes.	Y
	Immediately NE	Geological maps indicated made ground to be present immediately north-east of the site.	Y
Possible Infilled groundworkings	On site	Former Mill Ponds.	Y
	58m W		

2.7 Hydrogeology, Hydrology

Table 6: Ground/Controlled Water Sensitivity and Flooding

ENVIRONMENT AGENCY AQUIFER DESIGNATION ¹¹			
Strata	Designation	Description	
Superficial Geology	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 flows to rivers.	
Solid Geology			
GROUNDWATER SENSITIVITY ¹²			
Description	Location	Details	
Source Protection Zone ¹³	-	None recorded within 250m.	
Abstraction Licences	42-46m E	Historical groundwater abstracted from borehole by Kirklees Council (historic).	
Discharge Consents	216m NW	2 sewerage discharges, 1 inactive and 1 current.	
CONTROLLED WATERS ¹⁴			
Description	Location	Details	
River Network Entries	-	None detailed.	
Surface Water Features	-	None detailed.	
Culverts	-	None detailed.	
POLLUTION INCIDENTS ¹⁵			
Pollutant	Receptor	Location	Date
General Biodegradable Wastes	-	-	-
Organic Chemicals/Products	-	-	-
Sites Designated as Polluted under EPA	-	-	-
ENVIRONMENT AGENCY FLOOD RISK ¹⁶			
Description	Location	Details	
Zone 2	On Site	0.1 -1% risk of flooding from rivers annually.	

¹¹ See Appendix 1

¹² See Appendix 1

¹³ <http://apps.environment-agency.gov.uk/wiyby/37833.aspx>

¹⁴ See Appendix 1

¹⁵ See Appendix 1

¹⁶ See Appendix 1

Zone 3	On Site	Extent of a river flood with a 1% chance of occurring – see mapping.
Flood Defences	0-250m	None recorded.
Groundwater Flooding Area	0-50m	The BGS confidence rating of this risk is low and therefore is recommended to be treated with caution.

2.8 **Sensitive Land Use**

Table 7: Sensitive Land Uses within 250m

REGISTERED SENSITIVE LAND USES ¹⁷		
Description	Location	Details
None Recorded.		

2.9 **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.¹⁸ 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 8: Potentially Contaminative Sources

HISTORICAL		
Land Use	Location	Classification
Artificial ground/historical construction	On Site	Made ground/fill and Infilled ground
Unspecified Mill	Immediately E & W	Textile works & dye works
Railway station and track	100m NW	Railway land
Unspecified Works	Numerous within 250m	Unspecified works, factories or features
Engineering Works	100m N 240m SE	

¹⁷ See Appendix 1

¹⁸ Guidance for the Safe Development of Housing on Land Affected by Contamination, R&D Publication 66: 2008 Volume 1 and 2.

CURRENT		
Land Use	Location	Classification
Artificial ground/historical construction	On Site	Made ground/fill
Railway station and track	100m NW	Railway Land

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.¹⁹

¹⁹ 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.

3.1 Conceptual Ground Model & Preliminary Qualitative Risk Assessment

The site is currently being considered for redevelopment. In view of the sensitivity of the end users it is considered that the soil screening values (SSVs) for commercial land use should be employed.

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

- 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.

Table 9: 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 – contact with soil likely during works.	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.
	End User	No – commercial end use and hard standing surface cover.	Low	
	Neighbours	No – commercial/industrial end use and hard standing surface cover.	Low	
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	Yes – vapours may accumulate in enclosed spaces.	Moderate	
	Neighbours	Yes – commercial buildings 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	Whilst there are potential on and off site sources of contamination that may have caused contamination of the site, the development will have a hardstanding cover and no plants will be grown.
	End User	No – commercial end use and hard standing surface cover.	Low	
	Neighbours	No – commercial end use and hard standing surface cover.	Low	

Migration of hazardous gases via permeable strata or shallow mining activity	Operative	Yes – possible source on site due to historical construction.	Moderate	Possible source on site and within 250m. A programme of monitoring is recommended but is suggested to be limited to 4 readings over one month in the first instance. If significant made ground considered capable of producing harmful gases is revealed during the investigation works, the monitoring regime may require reconsideration to take into account a higher potential risk.
	End User		Moderate	
	Neighbours	Yes – possible source on site due to historical construction.	Low	It is not considered likely that significant made ground has been brought onto site for the construction, such that high levels of gas could be on site and present a significant risk of harm to this receptor. This should be re-assessed during any intrusive works should this be proven to the contrary.
Spillage/loss/run off direct to receiving water	Controlled Waters	No – no known controlled waters within 250m.	Low	There are potential on and off site sources of contamination that may have caused contamination of the site. No controlled waters within 250m. Underlying geology of possible high permeability and 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, and in area with neighbouring properties.	Moderate	
Direct contact with contaminated soils	Plants	No – commercial end use and hard standing surface cover.	Low	Whilst there are potential on and off site sources of contamination that may have caused contamination of the site, the development will have a hardstanding cover and no plants will be grown.
Uptake via root system			Low	

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	Yes – geological data suggests coal seams may underlie the site.	Low	Please refer to section 4 of this report.
	End User			
Exposure to Radon	Operative	Yes – in a radon affected area.	Low	<1% of properties are above the action level. No radon protection measures required.
	End User			
Coal Mining Instability	End User	Yes – geological data suggests coal seams may underlie the site.	Low	Please refer to section 4 of this report.

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.

4. **COAL RISK ASSESSMENT**

The risk to the stability of the proposed 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 10: Development specific risk assessment

Item	Risk of Instability	Coal Seam(s) Considered	Risk Rating
1	Shallow coal workings	Soft Bed Coal	Low
2	Coal workings at depth	No seams indicated to be present or worked at depth.	Low

On the basis of all of the information provided above it is concluded that there may be a shallow coal seam in the vicinity of the site. However, the geological data available on the maps and within the borehole database suggests that this seam is considered to be of a limited thickness and impersistent in nature. In addition, the 0.5m thick coal seam present within the borehole to the south-east, and interpreted to be associated with the Soft Bed Coal seam, was indicated to be of a poor grade on the borehole record. Therefore, it is likely that the mining of this seam would not have been economically viable. Furthermore, if there are significant thicknesses of head deposits above the seam, this would have also made it difficult to abstract coal by illicit methods.

Moreover, no coal was present within the borehole 100m to the north-east. Considering the gentle dip of the underlying geology, it was anticipated that the Soft Bed Coal seam would be observed at depths of around 7m below the head deposits within this borehole. However, only sandstone and a thin bed of mudstone was revealed to these depths. In light of the above, the possibility of this seam being present and worked below the site is considered to be low.

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 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: *Investigation of potentially contaminated sites – Code of practice*: 7.6, and BS5930, *Code of practice for site investigations, as amended in 2010*.

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: 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.

- **Contamination Assessment:**

Table 11: Summary of sampling strategies based on BS 10175, Para 7.7.2.2.3

	NUMBER OF SAMPLING POINTS			
	Soil	Asbestos	Standpipes	Readings
Exploratory Investigation:	3	0	3	Minimum of 4 readings over 1 months as per risk assessment, however any regime must take into account the guidance detailed in Table 12.

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's) 16 EPA, Total petroleum hydrocarbons (TPH CWG)
- **Others** – pH, Organic Content.

Sampling Method

3 No boreholes must be excavated to allow the installation of gas monitoring standpipes and to obtain soil and water samples for testing. This should be able to be achieved with a windowless sampling drilling rig.

- **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 at this site and should include insitu SPT and/or dynamic probe testing.

Should soakaway data be required for drainage design, 2 No trialpits could be excavated and insitu permeability tests conducted.

Geotechnical Testing

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

- **Reporting**

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

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

- **Gas Monitoring**

The final gas monitoring regime should be undertaken in accordance with Table 4.2 of CIRIA C665: 2007: *Assessing risks posed by hazardous ground gasses to buildings*. In

that document guidance for the frequency of monitoring is provided on tables 5.5a and 5.5b *Typical/idealised frequency and period of monitoring* on page 60. For convenience, these tables have been combined and reproduced below.

Table 12: Typical/idealised frequency and period of monitoring.

Sensitivity of development	Generation potential of source				
	Very low	Low	Moderate	High	Very High
Low (commercial)	4/1	6/2	6/3	12/6	12/12
Moderate (flats)	6/2	6/3	9/6	12/12	24/24
High (residential + gardens)	6/3	9/6	12/6	24/12	24/24

Notes:

- a) The first number is the minimum number of readings and the second number is the minimum period in months, for example 4/1 – Four sets of readings over 1 month.
- b) At least two sets of readings must be at low and falling atmospheric pressure (but not restricted to periods below 1000mb) known as worst case conditions.
- c) The frequency and period stated are considered to represent typical minimum requirements. Depending on specific circumstances fewer or additional readings may be required (e.g. any such variation subject to site specific justification). The NHBC guidance is also recommending these periods/frequencies of monitoring.
- d) Historical data can be used as part of the data set.
- e) Not all sites will require gas monitoring. However this would need to be confirmed with demonstrable evidence.
- f) Placing high sensitivity end use on a high hazard site is not normally acceptable unless the source is removed or treated to reduce its gassing potential. Under such circumstances long-term monitoring may not be appropriate or required.
- g) This guidance should be read in conjunction with BS 8576:2013 figure 6 which may justify fewer readings in the first instance, where the generation potential is considered to be very low to low. However, this should be undertaken pragmatically, and further readings obtained according to the above table, where a potentially significant source is identified and initial readings suggest that remedial measures are not necessary.

6. **REFERENCES**

- British Standards Institution (2015), BS5930: *Code of practice for site investigations*, B.S.I., London.
- British Standards Institution (2007), Amendment No 1 to BS5930: *Code of practice for site investigations*, B.S.I., London.
- British Standards Institution (2011), 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.

For and on behalf of
Rogers Geotechnical Services Ltd,

R.A. Palmer MSc, FGS
Graduate Geotechnical Engineer

S.P. Rogers CEng, CGeol, MICE, MCIHT, FGS
Technical Director

APPENDIX 1

GROUNDSURE REPORTS



Rogers Geotechnical Services
Barncliffe Mills, NEAR BANK,
HUDDERSFIELD, HD8 8LU

Groundsure Reference: GS-3334503
Your Reference: J3644_16_EDS

Report Date 27 Sep 2016

Report Delivery Method: Email - pdf

Groundsure Geo Insight

Address: OPEN MARKET, BROOK STREET, HUDDERSFIELD, HD1 1RY

Dear Sir/ Madam,

Thank you for placing your order with Groundsure. Please find enclosed the **Groundsure Geo Insight** as requested.

If you need any further assistance, please do not hesitate to contact our helpline on 08444 159000 quoting the above Groundsure reference number.

Yours faithfully,

Redacted

Managing Director
Groundsure Limited

Enc.
Groundsure Geoinsight

Groundsure Geo Insight

Address: OPEN MARKET, BROOK STREET, HUDDERSFIELD, HD1 1RY
Date: 27 Sep 2016
Reference: GS-3334503
Client: Rogers Geotechnical Services

NW N NE

W E



SW S SE

Aerial Photograph Capture date: 26-Mar-2012
Grid Reference: 414529,417051
Site Size: 0.06ha

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Overview of Findings

The Groundsure Geo Insight provides high quality geo-environmental information that allows geo-environmental professionals and their clients to make informed decisions and be forewarned of potential ground instability problems that may affect the ground investigation, foundation design and possibly remediation options that could lead to possible additional costs.

The report is based on the BGS 1:50,000 Digital Geological Map of Great Britain, BGS Geosure data; BRITPITS database; Shallow Mining data and Borehole Records, Coal Authority data including brine extraction areas, PBA non-coal mining and natural cavities database, Johnson Poole and Bloomer mining data and Groundsure's unique database including historical surface ground and underground workings.

For further details on each dataset, please refer to each individual section in the report as listed. Where the database has been searched a numerical result will be recorded. Where the database has not been searched '-' will be recorded.

Section 1:Geology

1.1 Artificial Ground	1.1.1 Is there any Artificial Ground/ Made Ground present beneath the study site?	Yes
	1.1.2 Are there any records relating to permeability of artificial ground within the study site* boundary?	Yes
1.2 Superficial Geology and Landslips	1.2.1 Is there any Superficial Ground/Drift Geology present beneath the study site?	Yes
	1.2.2 Are there any records relating to permeability of superficial geology within the study site boundary?	Yes
	1.2.3 Are there any records of landslip within 500m of the study site boundary?	No
	1.2.4 Are there any records relating to permeability of landslips within the study site boundary?	No
1.3 Bedrock, Solid Geology & Faults	1.3.1 For records of Bedrock and Solid Geology beneath the study site* see the detailed findings section.	
	1.3.2 Are there any records relating to permeability of bedrock within the study site boundary?	Yes
	1.3.3 Are there any records of faults within 500m of the study site boundary?	Yes
1.4 Radon data	1.4.1 Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level?	The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level
	1.4.2 Is the property in an area where Radon Protection Measures are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment?	No radon protective measures are necessary

Section 2:Ground Workings	On-site	0-50m	51-250	251-500	501-1000
2.1 Historical Surface Ground Working Features from Small Scale Mapping	1	0	1	Not Searched	Not Searched
2.2 Historical Underground Workings from Small Scale Mapping	0	0	0	12	5
2.3 Current Ground Workings	0	0	0	0	5

Section 3: Mining, Extraction & Natural Cavities	On-site	0-50m	51-250	251-500	501-1000
3.1 Historical Mining	0	0	0	0	5
3.2 Coal Mining	1	0	0	0	0
3.3 Johnson Poole and Bloomer Mining Area	0	0	0	0	0
3.4 Non-Coal Mining	0	0	0	0	0
3.5 Non-Coal Mining Cavities	0	0	0	0	0
3.6 Natural Cavities	0	0	0	0	0
3.7 Brine Extraction	0	0	0	0	0
3.8 Gypsum Extraction	0	0	0	0	0
3.9 Tin Mining	0	0	0	0	0
3.10 Clay Mining	0	0	0	0	0

Section 4: Natural Ground Subsidence	On-site
4.1 Shrink Swell Clay	Very Low
4.2 Landslides	Very Low
4.3 Ground Dissolution of Soluble Rocks	Negligible
4.4 Compressible Deposits	Very Low
4.5 Collapsible Deposits	Very Low
4.6 Running Sand	Very Low

Section 5: Borehole Records	On-site	0-50m	51-250
5 BGS Recorded Boreholes	0	0	9

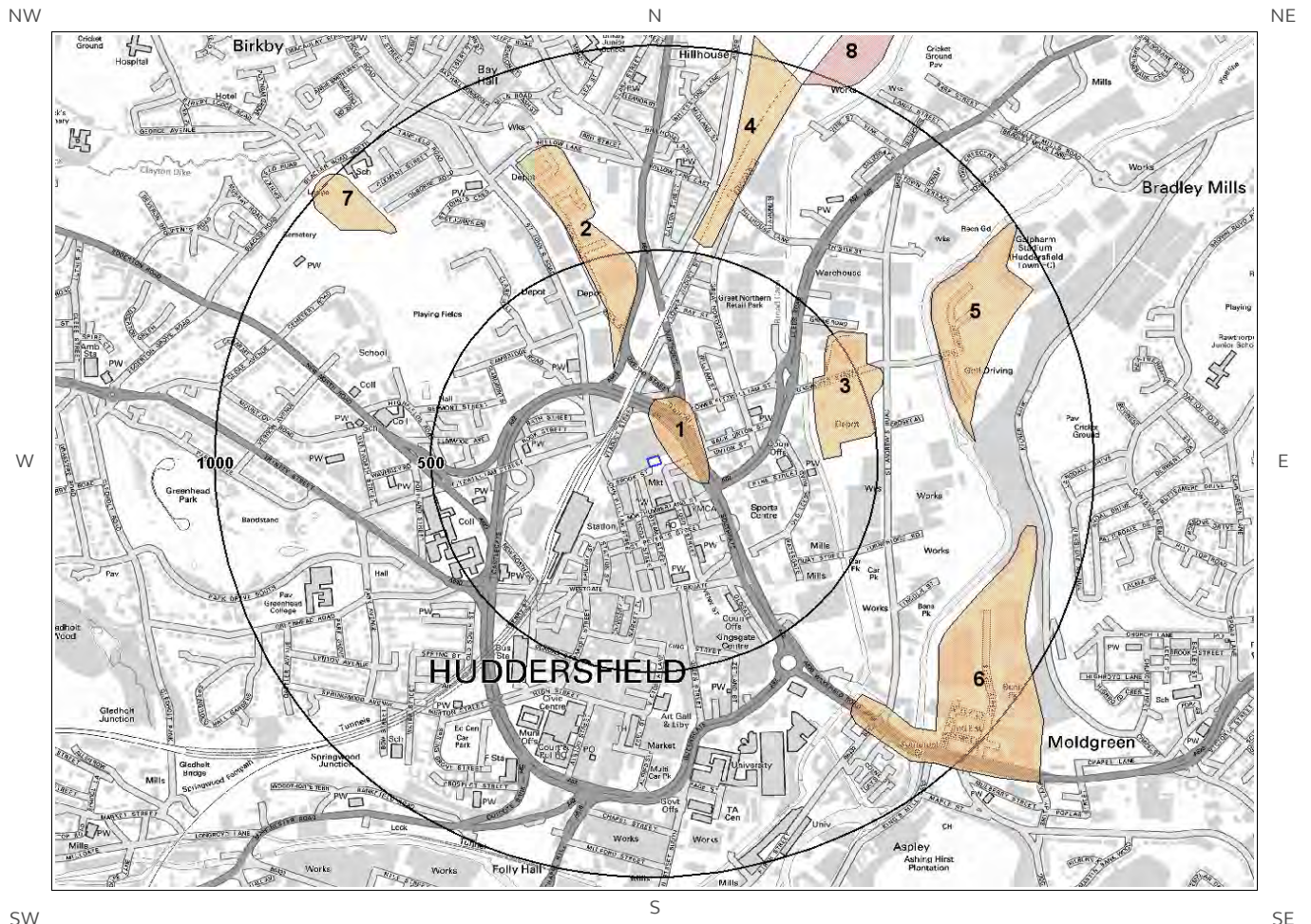
Section 6: Estimated Background Soil Chemistry	On-site	0-50m	51-250
6 Records of Background Soil Chemistry	1	5	10

Section 7: Railways and Tunnels	On-site	0-50m	51-250	251-500
7.1 Tunnels	0	0	0	Not Searched
7.2 Historical Railway and Tunnel Features	0	0	44	Not Searched
7.3 Historical Railways	0	0	0	Not Searched
7.4 Active Railways	0	0	22	Not Searched

Section 7:Railways and Tunnels	On-site	0-50m	51-250	251-500
7.5 Railway Projects	0	0	0	0

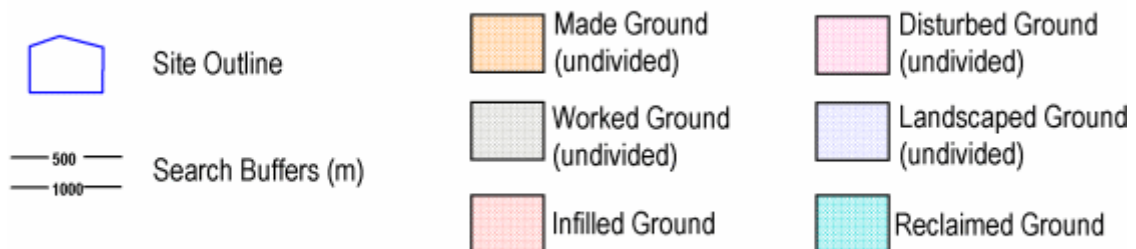
1 Geology

1.1 Artificial Ground Map



Artificial Ground Legend

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1 Geology

1.1 Artificial Ground

1.1.1 Artificial/ Made Ground

The following geological information represented on the mapping is derived from 1:50,000 scale BGS Geological mapping, Sheet No:077

Are there any records of Artificial/Made Ground within 500m of the study site boundary? Yes

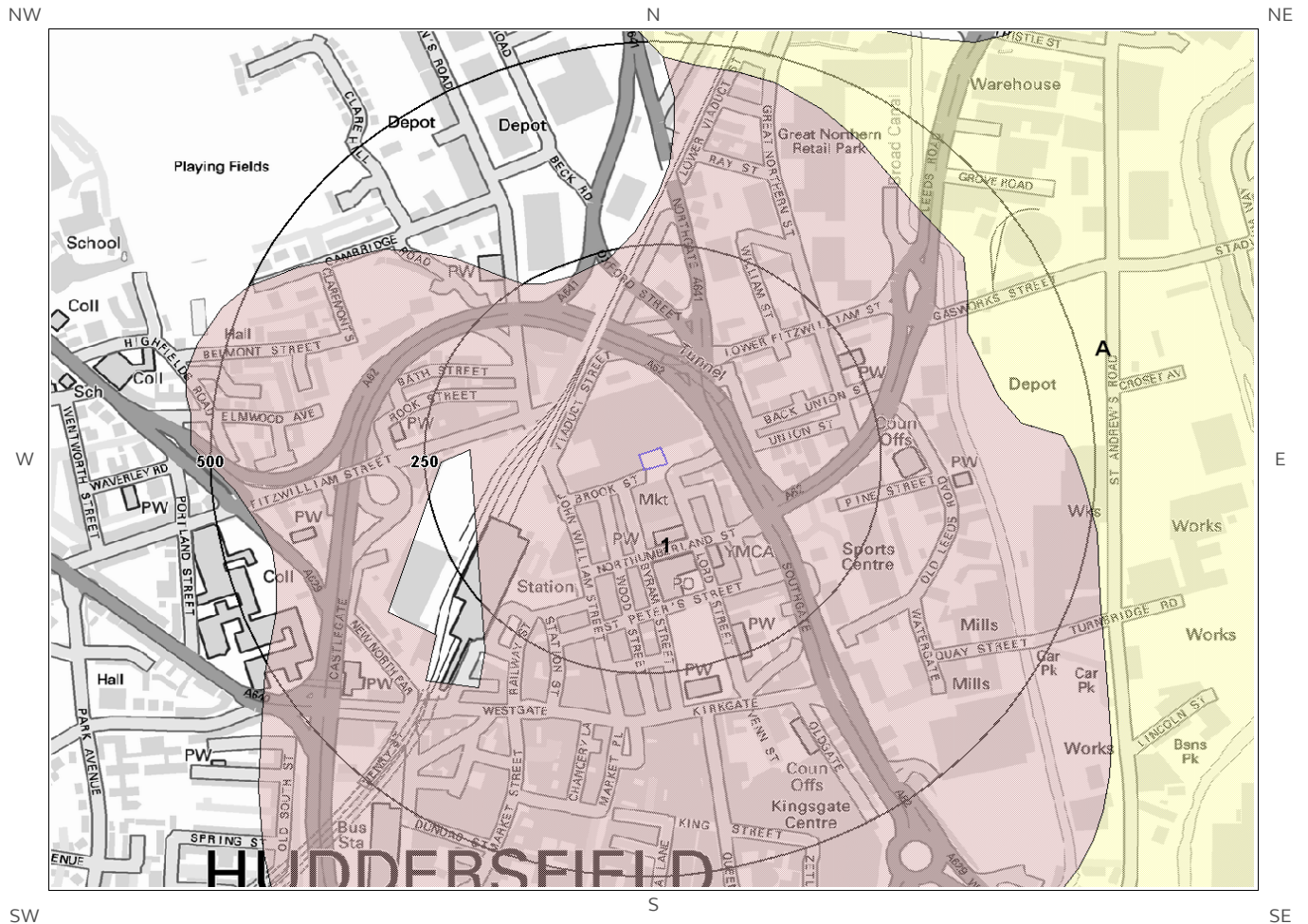
ID	Distance (m)	Direction	LEX Code	Description	Rock Description
1	20.0	NE	MGR-MGRD	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
2	234.0	N	MGR-MGRD	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
3	368.0	E	MGR-MGRD	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

1.1.2 Permeability of Artificial Ground

Are there any records relating to permeability of artificial ground within the study site boundary? Yes

Distance (m)	Direction	Flow Type	Maximum Permeability	Minimum Permeability
20.0	NE	Mixed	Very High	Low

1.2 Superficial Deposits and Landslips Map

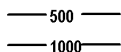


Superficial Deposits and Landslips
Legend

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Site Outline



Search Buffers (m)

1.2 Superficial Deposits and Landslips

1.2.1 Superficial Deposits/ Drift Geology

Are there any records of Superficial Deposits/ Drift Geology within 500m of the study site boundary? Yes

ID	Distance (m)	Direction	LEX Code	Description	Rock Description
1	0.0	On Site	HEAD	HEAD	CLAY, SILT, SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
2A	385.0	E	ALV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
3A	385.0	E	ALV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]

1.2.2 Permeability of Superficial Ground

Are there any records relating to permeability of superficial ground within the study site boundary? Yes

Distance (m)	Direction	Flow Type	Maximum Permeability	Minimum Permeability
0.0	On Site	Mixed	High	Very Low

1.2.3 Landslip

Are there any records of Landslip within 500m of the study site boundary? No

Database searched and no data found.

This Geology shows the main components as discrete layers, these are: Artificial / Made Ground, Superficial / Drift Geology and Landslips. These are all displayed with the BGS Lexicon code for the rock unit and BGS sheet number. Not all of the main geological components have nationwide coverage.

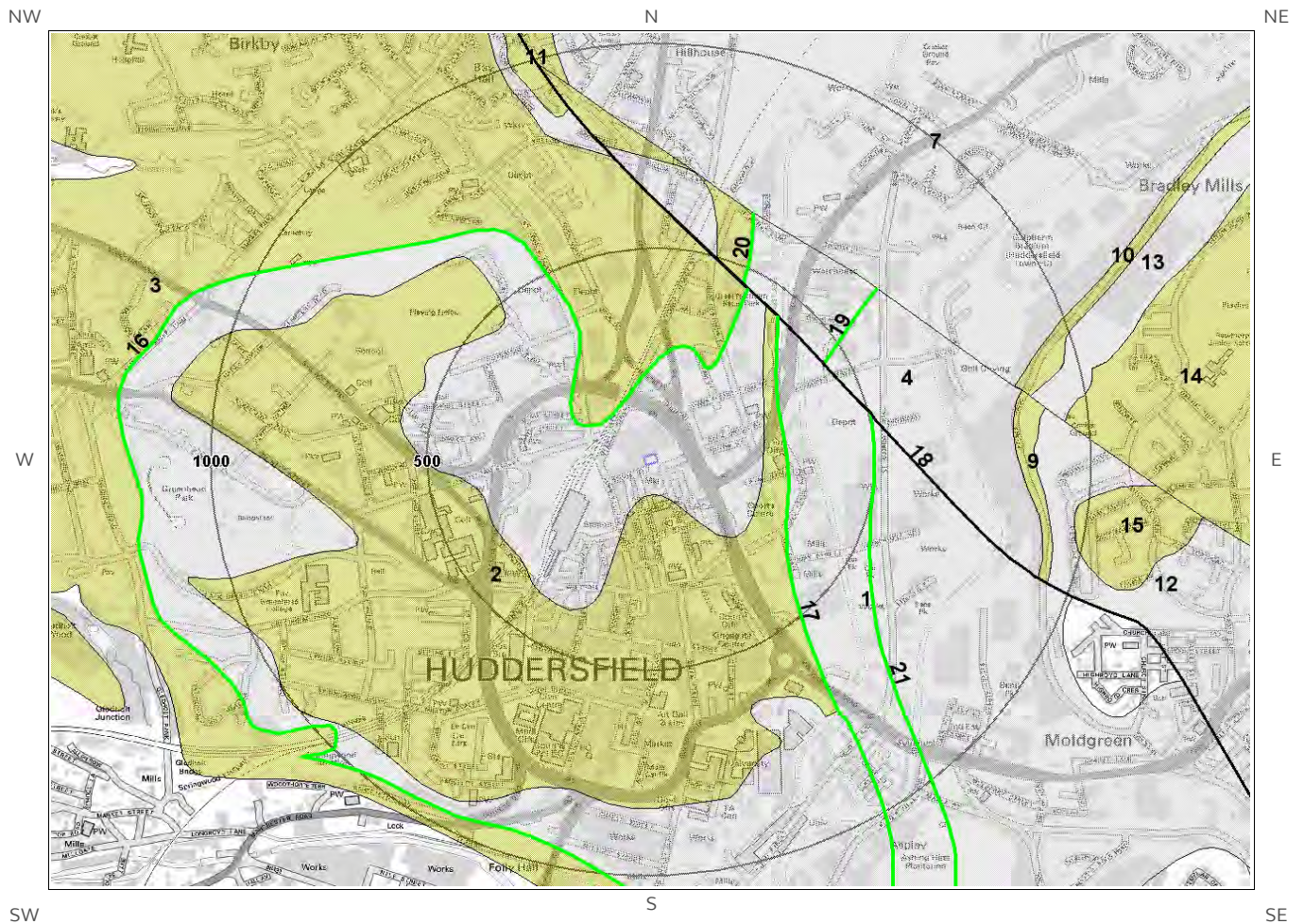
1.2.4 Landslip Permeability

Are there any records relating to permeability of landslips within the study site** boundary? No

Database searched and no data found.

* This includes an automatically generated 50m buffer zone around the site

1.3 Bedrock and Faults Map

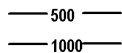


Bedrock and Faults Legend

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Site Outline



Search Buffers (m)

1.3 Bedrock, Solid Geology & Faults

The following geological information represented on the mapping is derived from 1:50,000 scale BGS Geological mapping, Sheet No:077

1.3.1 Bedrock/ Solid Geology

Records of Bedrock/ Solid Geology within 500m of the study site boundary:

ID	Distance (m)	Direction	LEX Code	Description	Rock Age
1	0.0	On Site	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian
2	73.0	S	MBR-SDST	Middle Band Rock - Sandstone	Langsettian
3	126.0	NW	SBF-SDST	Soft Bed Flags - Sandstone	Langsettian
4	436.0	NE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian
5A	462.0	NE	MBR-SDST	Middle Band Rock - Sandstone	Langsettian
6A	496.0	N	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian

1.3.2 Permeability of Bedrock Ground

Are there any records relating to permeability of bedrock ground within the study site* boundary? Yes

Distance (m)	Direction	Flow Type	Maximum Permeability	Minimum Permeability
0.0	On Site	Fracture	High	Low

1.3.3 Faults

Are there any records of Faults within 500m of the study site boundary? Yes

ID	Distance (m)	Direction	Category Description	Feature Description
16	126.0	NW	ROCK	Coal seam, inferred
17	297.0	E	ROCK	Coal seam, inferred
18	436.0	NE	FAULT	Fault, inferred, displacement unknown
19	447.0	NE	ROCK	Coal seam, inferred
20	462.0	NE	ROCK	Coal seam, inferred
21	499.0	E	ROCK	Coal seam, inferred

* This includes an automatically generated 50m buffer zone around the site

The geology map for the site and surrounding area are extracted from the BGS Digital Geological Map of Great Britain at 1:50,000 scale.

This Geology shows the main components as discrete layers, these are: Bedrock/ Solid Geology and linear features such as Faults. These are all displayed with the BGS Lexicon code for the rock unit and BGS sheet number. Not all of the main geological components have nationwide coverage.

1.4 Radon Data

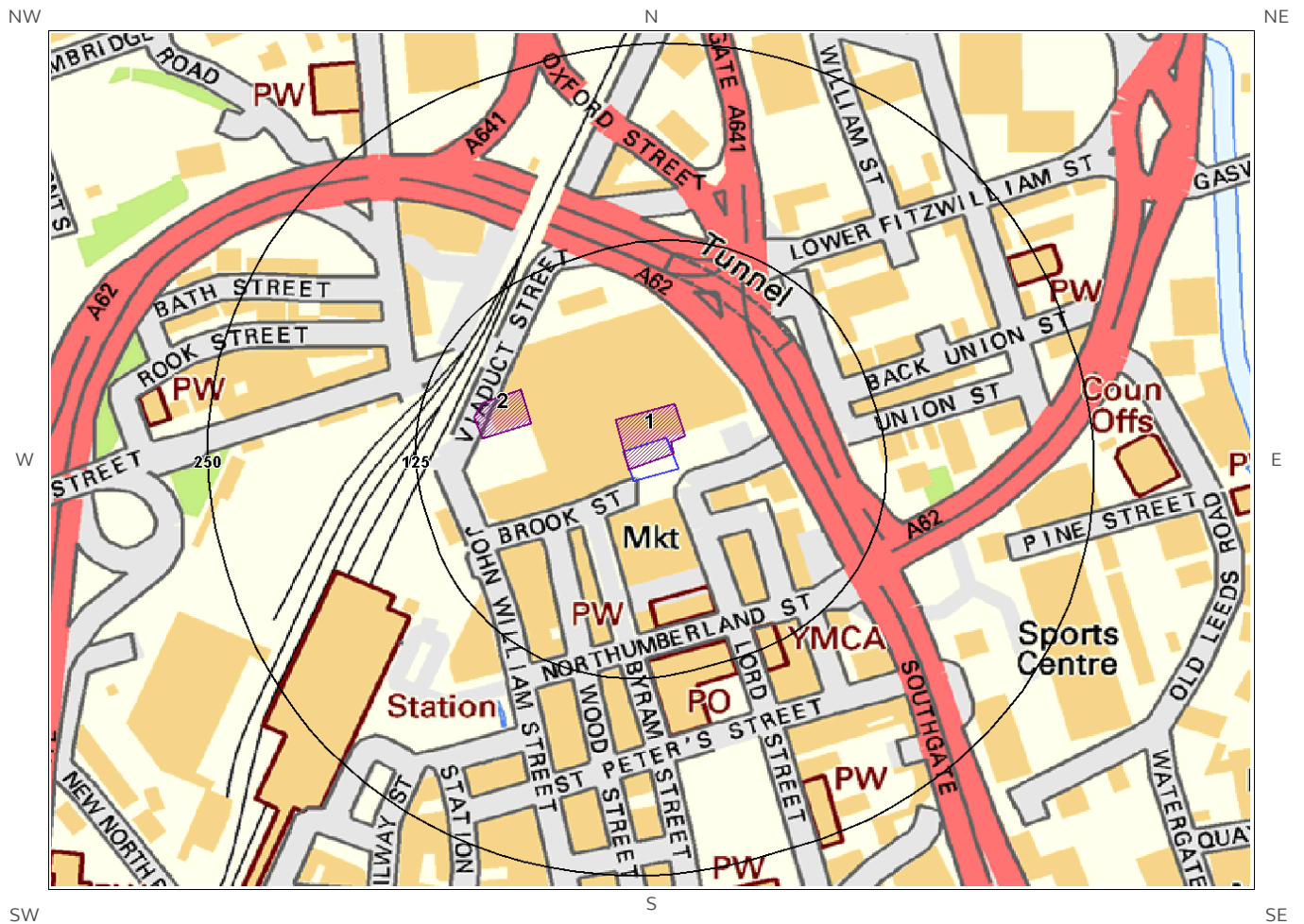
1.4.1 Radon Affected Areas

Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level? The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level

1.4.2 Radon Protection

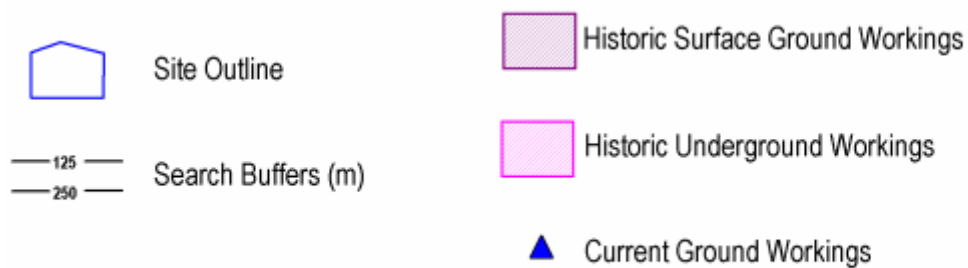
Is the property in an area where Radon Protection are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment? No radon protective measures are necessary

2 Ground Workings Map



Ground Workings Legend

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2 Ground Workings

2.1 Historical Surface Ground Working Features derived from Historical Mapping

This dataset is based on Groundsure's unique Historical Land Use Database derived from 1:10,560 and 1:10,000 scale historical mapping.

Are there any Historical Surface Ground Working Features within 250m of the study site boundary? Yes

The following Historical Surface Ground Working Features are provided by Groundsure:

ID	Distance (m)	Direction	NGR	Use	Date
1	0.0	On Site	414522 417067	Ponds	1889
2	58.0	W	414433 417082	Pond	1889

2.2 Historical Underground Working Features derived from Historical Mapping

This data is derived from the Groundsure unique Historical Land Use Database. It contains data derived from 1:10,000 and 1:10,560 historical Ordnance Survey Mapping and includes some natural topographical features (Shake Holes for example) as well as manmade features that may have implications for ground stability. Underground and mining features have been identified from surface features such as shafts. The distance that these extend underground is not shown.

Are there any Historical Underground Working Features within 1000m of the study site boundary? Yes

The following Historical Underground Working Features are provided by Groundsure:

ID	Distance (m)	Direction	NGR	Use	Date
Not shown	362.0	SW	414121 416563	Tunnels	1985
Not shown	362.0	SW	414121 416563	Tunnels	1966
Not shown	362.0	SW	414121 416563	Tunnels	1951
Not shown	362.0	SW	414121 416563	Tunnels	1975
Not shown	367.0	SW	414107 416571	Tunnels	1966
Not shown	367.0	SW	414107 416571	Tunnels	1985
Not shown	367.0	SW	414107 416571	Tunnels	1951
Not shown	367.0	SW	414107 416571	Tunnels	1975

ID	Distance (m)	Direction	NGR	Use	Date
Not shown	371.0	SW	414118 416558	Tunnel	1905
Not shown	371.0	SW	414118 416558	Tunnel	1948
Not shown	375.0	SW	414111 416568	Tunnel	1905
Not shown	375.0	SW	414111 416568	Tunnel	1948
Not shown	742.0	SW	414022 416474	Unspecified Shafts	1985
Not shown	742.0	SW	414022 416474	Unspecified Shafts	1975
Not shown	770.0	SW	413987 416468	Unspecified Shafts	1985
Not shown	770.0	SW	413987 416468	Unspecified Shafts	1975
Not shown	838.0	E	415377 416941	Unspecified Old Shaft	1905

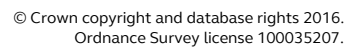
2.3 Current Ground Workings

This dataset is derived from the BGS BRITPITS database covering active; inactive mines; quarries; oil wells; gas wells and mineral wharves; and rail deposits throughout the British Isles.

Are there any BGS Current Ground Workings within 1000m of the study site boundary? Yes

The following Current Ground Workings information is provided by British Geological Survey:

ID	Distance (m)	Direction	NGR	Commodity Produced	Pit Name	Type of working	Status
Not shown	628.0	NE	414801 417634	Coal, Deep	Lane Colliery	Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots)	Ceased
Not shown	829.0	NE	415274 417436	Coal, Deep	Grove Pit	Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots)	Ceased
Not shown	867.0	E	415406 417032	Sandstone	Upper Hill Top	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased
Not shown	975.0	E	415490 417260	Clay & Shale	Brown Royd Brick works	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased
Not shown	983.0	SE	415404 416579	Sandstone	Storths	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased



3 Mining, Extraction & Natural Cavities

3.1 Historical Mining

This dataset is derived from Groundsure unique Historical Land-use Database that are indicative of mining or extraction activities.

Are there any Historical Mining areas within 1000m of the study site boundary? Yes

The following Historical Mining information is provided by Groundsure:

ID	Distance (m)	Direction	NGR	Details	Date
Not shown	742.0	SW	414022 416474	Unspecified Shafts	1975
Not shown	742.0	SW	414022 416474	Unspecified Shafts	1985
Not shown	770.0	SW	413987 416468	Unspecified Shafts	1975
Not shown	770.0	SW	413987 416468	Unspecified Shafts	1985
Not shown	838.0	E	415377 416941	Unspecified Old Shaft	1905

3.2 Coal Mining

This dataset provides information as to whether the study site lies within a known coal mining affected area as defined by the coal authority.

Are there any Coal Mining areas within 1000m of the study site boundary? Yes

The following Coal Mining information provided by the Coal Authority is not represented on Mapping:

Distance (m)	Direction	Details
0.0	On Site	The study site is located within the specified search distance of an identified mining area. Further details concerning this can be obtained from the Coal Authority Helpline on 0845 762 6848.

3.3 Johnson Poole and Bloomer

This dataset provides information as to whether the study site lies within an area where JPB hold information relating to mining.

Are there any JPB Mining areas within 1000m of the study site boundary? No

The following information provided by JPB is not represented on mapping: Database searched and no data found.

3.4 Non-Coal Mining

This dataset provides information as to whether the study site lies within an area which may have been subject to non-coal historic mining.

Are there any Non-Coal Mining areas within 1000m of the study site boundary? No

Database searched and no data found.

3.5 Non-Coal Mining Cavities

This dataset provides information from the Peter Brett Associates (PBA) mining cavities database (compiled for the national study entitled “Review of mining instability in Great Britain, 1990” PBA has also continued adding to this database) on mineral extraction by mining.

Are there any Non-Coal Mining cavities within 1000m of the study site boundary? No

Database searched and no data found.

3.6 Natural Cavities

This dataset provides information based on Peter Brett Associates natural cavities database.

Are there any Natural Cavities within 1000m of the study site boundary? No

Database searched and no data found.

3.7 Brine Extraction

This data provides information from the Coal Authority issued on behalf of the Cheshire Brine Subsidence Compensation Board.

Are there any Brine Extraction areas within 1000m of the study site boundary? No

Database searched and no data found.

3.8 Gypsum Extraction

This dataset provides information on Gypsum extraction from British Gypsum records.

Are there any Gypsum Extraction areas within 1000m of the study site boundary? No

Database searched and no data found.

3.9 Tin Mining

This dataset provides information on tin mining areas and is derived from tin mining records. This search is based upon postcode information to a sector level.

Are there any Tin Mining areas within 1000m of the study site boundary? No

Database searched and no data found.

3.10 Clay Mining

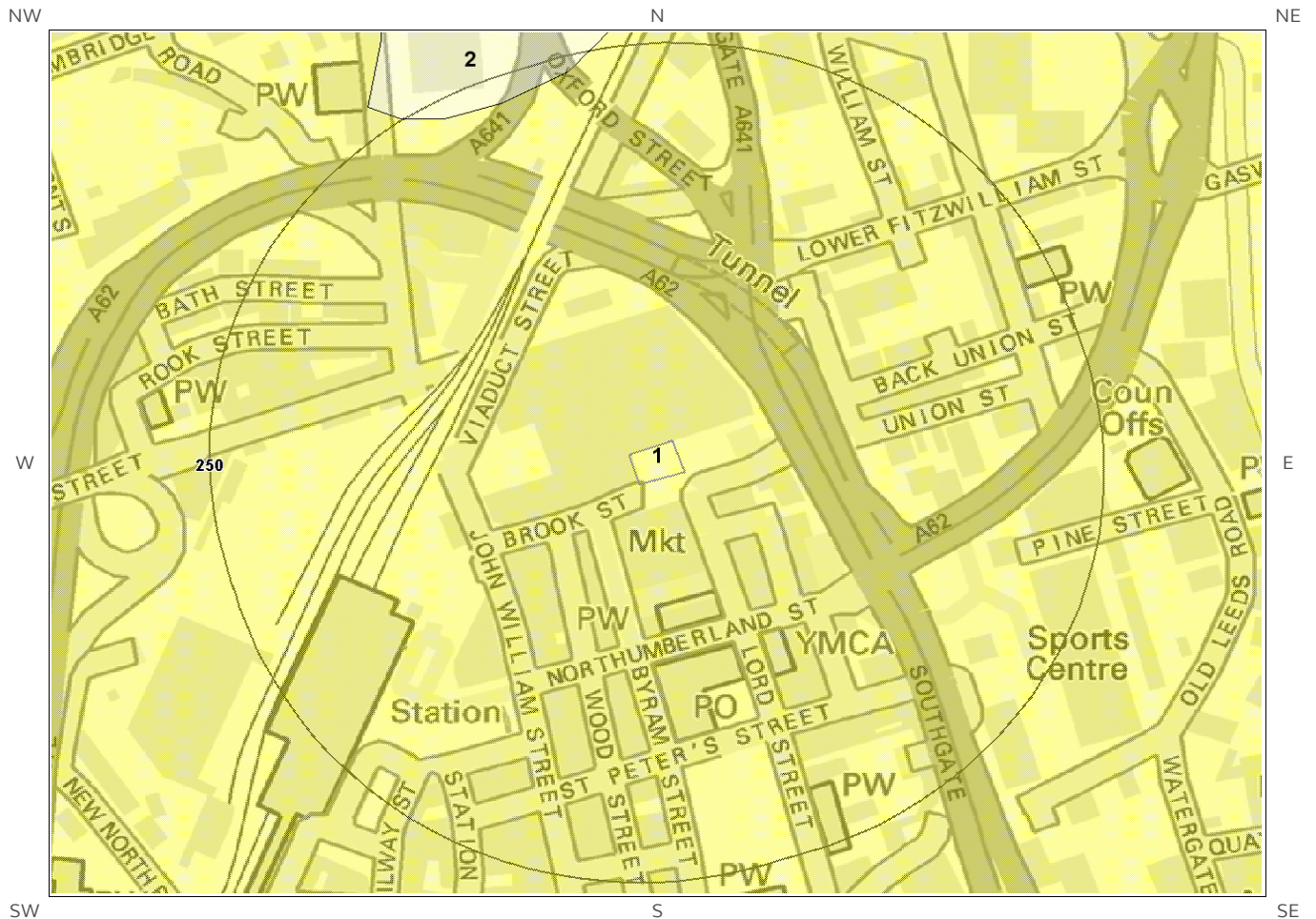
This dataset provides information on Kaolin and Ball Clay mining from relevant mining records.

Are there any Clay Mining areas within 1000m of the study site boundary? No

Database searched and no data found.

4 Natural Ground Subsidence

4.1 Shrink-Swell Clay Map

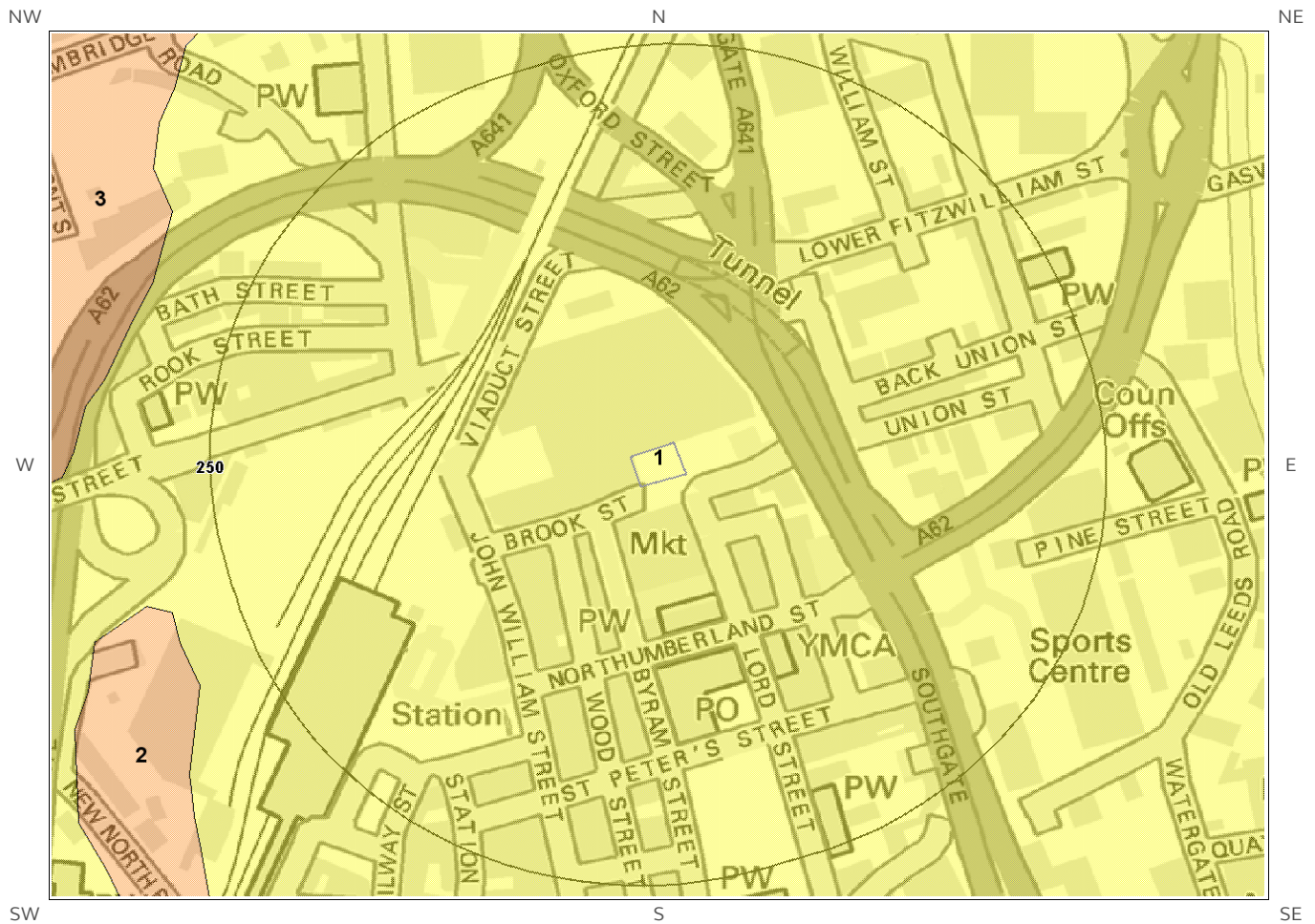


Shrink Swell Clay Legend

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4.2 Landslides Map

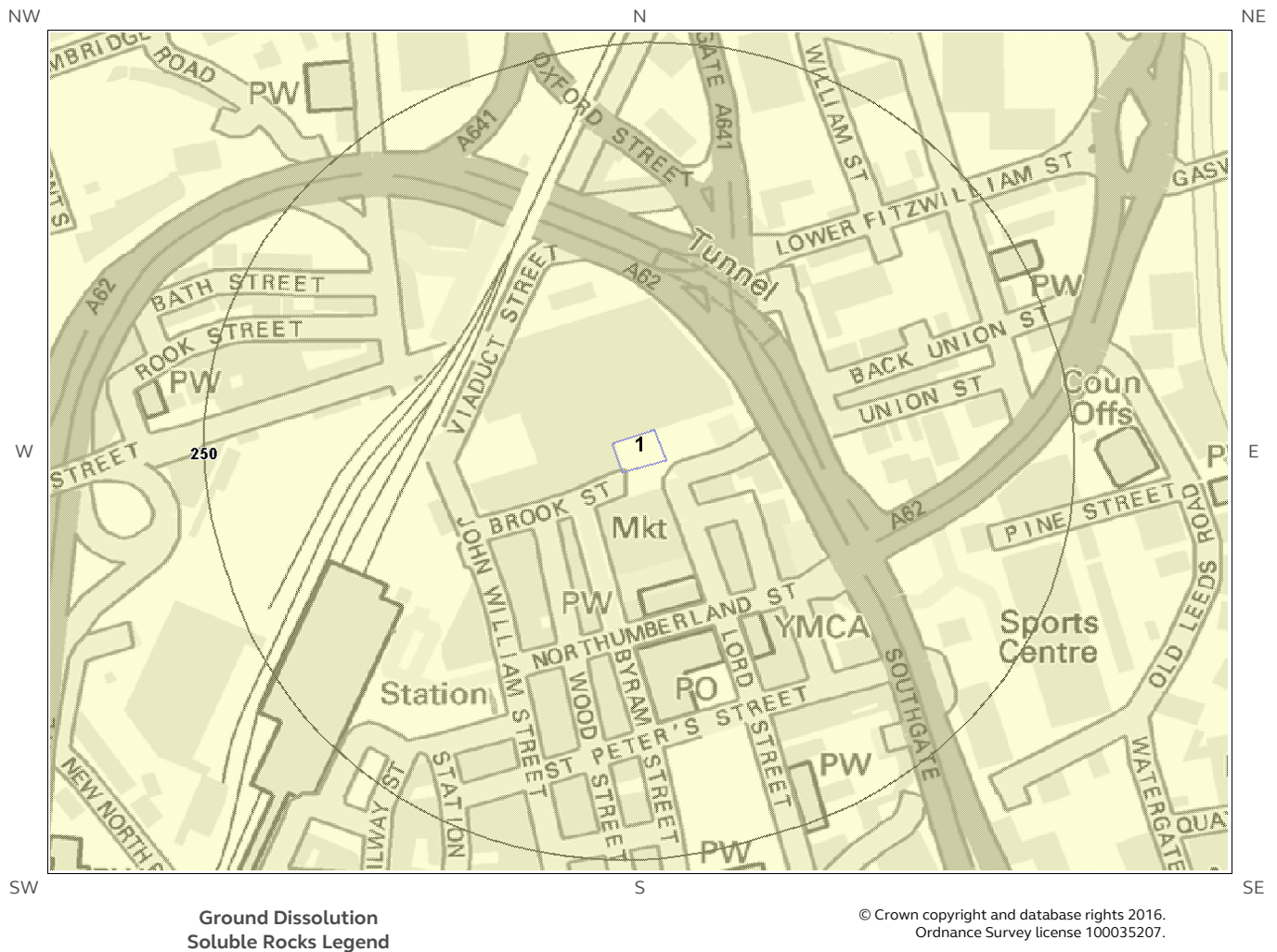


Landslides Legend

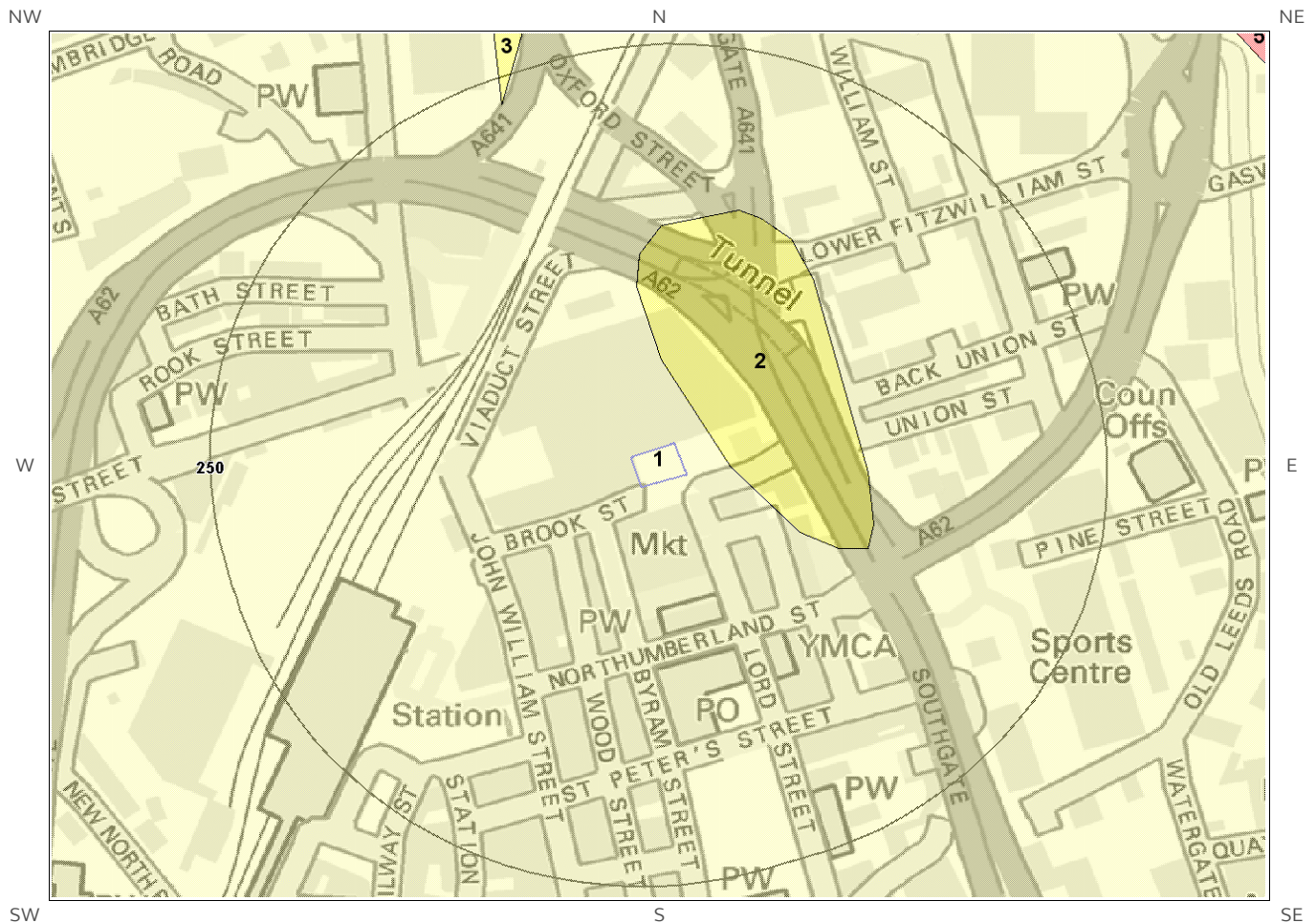
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4.3 Ground Dissolution Soluble Rocks Map



4.4 Compressible Deposits Map

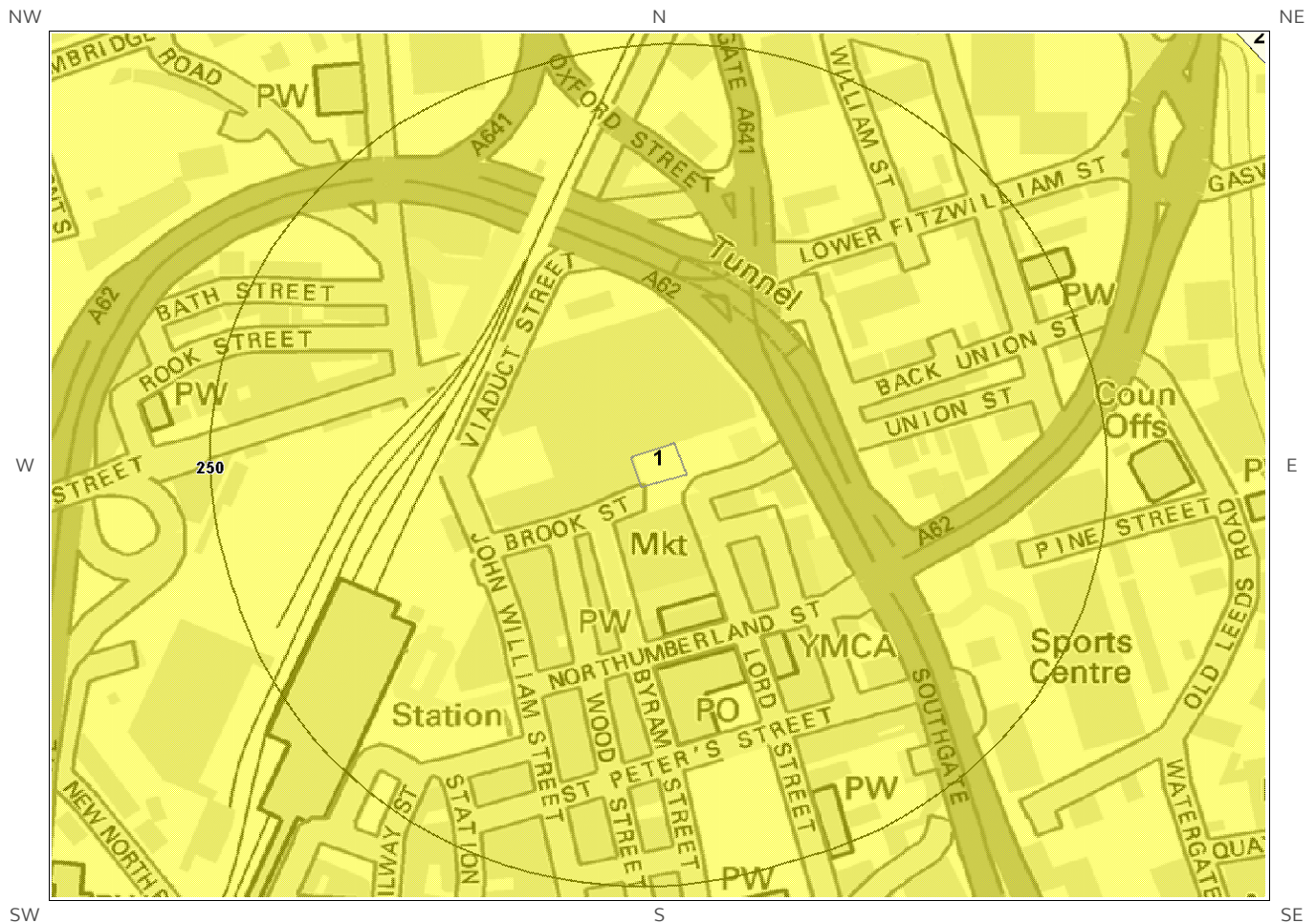


Compressible Deposits Legend

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4.5 Collapsible Deposits Map

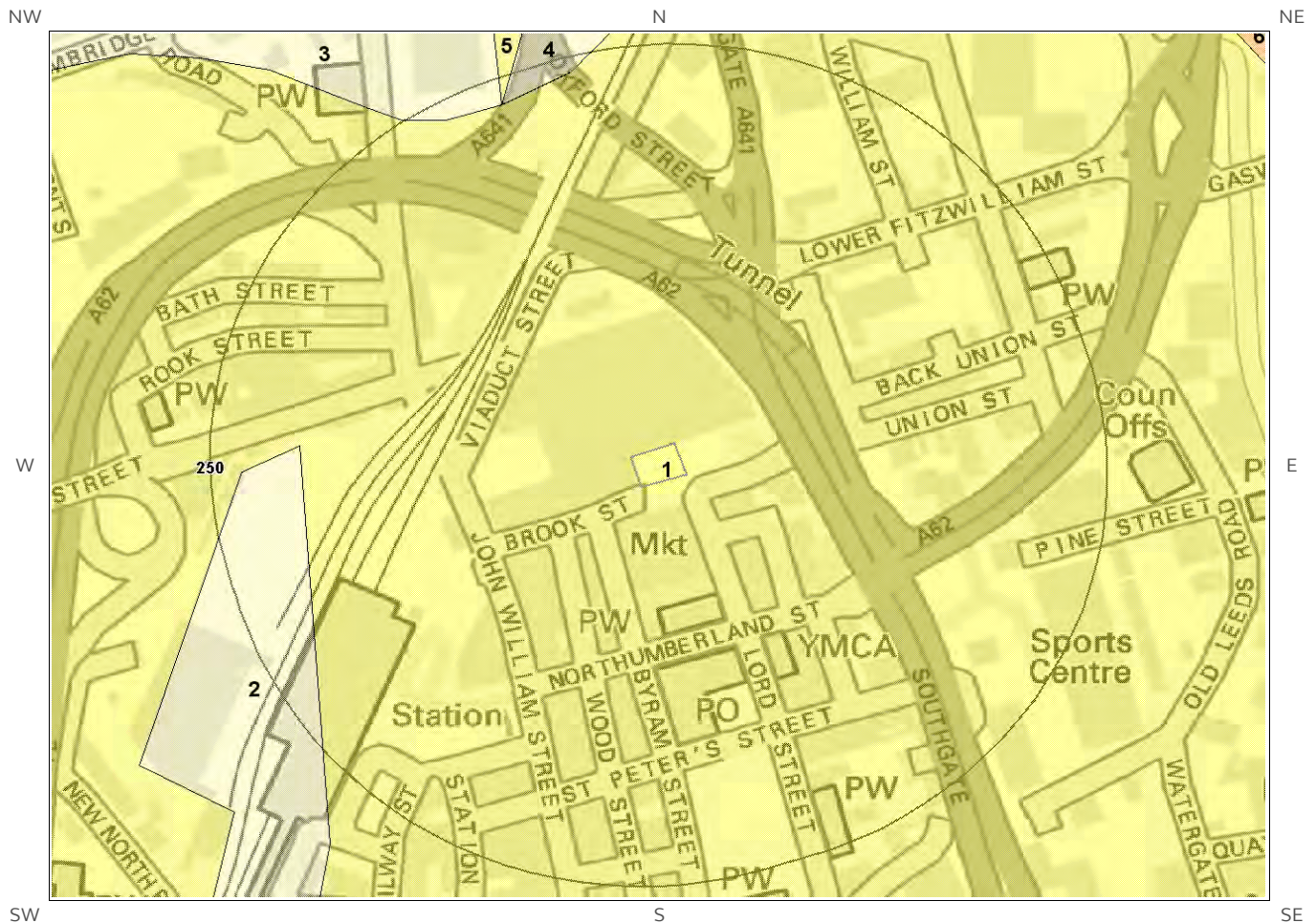


Collapsible Deposits Legend

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4.6 Running Sand Map



Running Sand Legend

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4 Natural Ground Subsidence

The National Ground Subsidence rating is obtained through the 6 natural ground stability hazard datasets, which are supplied by the British Geological Survey (BGS).

The following GeoSure data represented on the mapping is derived from the BGS Digital Geological map of Great Britain at 1:50,000 scale.

What is the maximum hazard rating of natural subsidence within the study site** boundary? Very Low

4.1 Shrink-Swell Clays

The following Shrink Swell information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	Ground conditions predominantly low plasticity. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with shrink-swell clays.

4.2 Landslides

The following Landslides information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	Slope instability problems are unlikely to be present. No special actions required to avoid problems due to landslides. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with landslides.

4.3 Ground Dissolution of Soluble Rocks

The following Ground Dissolution information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Negligible	Soluble rocks are present, but unlikely to cause problems except under exceptional conditions. No special actions required to avoid problems due to soluble rocks. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with soluble rocks.

* This includes an automatically generated 50m buffer zone around the site

4.4 Compressible Deposits

The following Compressible Deposits information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Negligible	No indicators for compressible ground identified. No special actions required to avoid problems due to compressible ground. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with compressible ground.
2	20.0	NE	Very Low	Very low potential for compressible ground to be present. No special actions required to avoid problems due to compressible ground. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with compressible ground.

4.5 Collapsible Deposits

The following Collapsible Rocks information provided by the British Geological Survey:

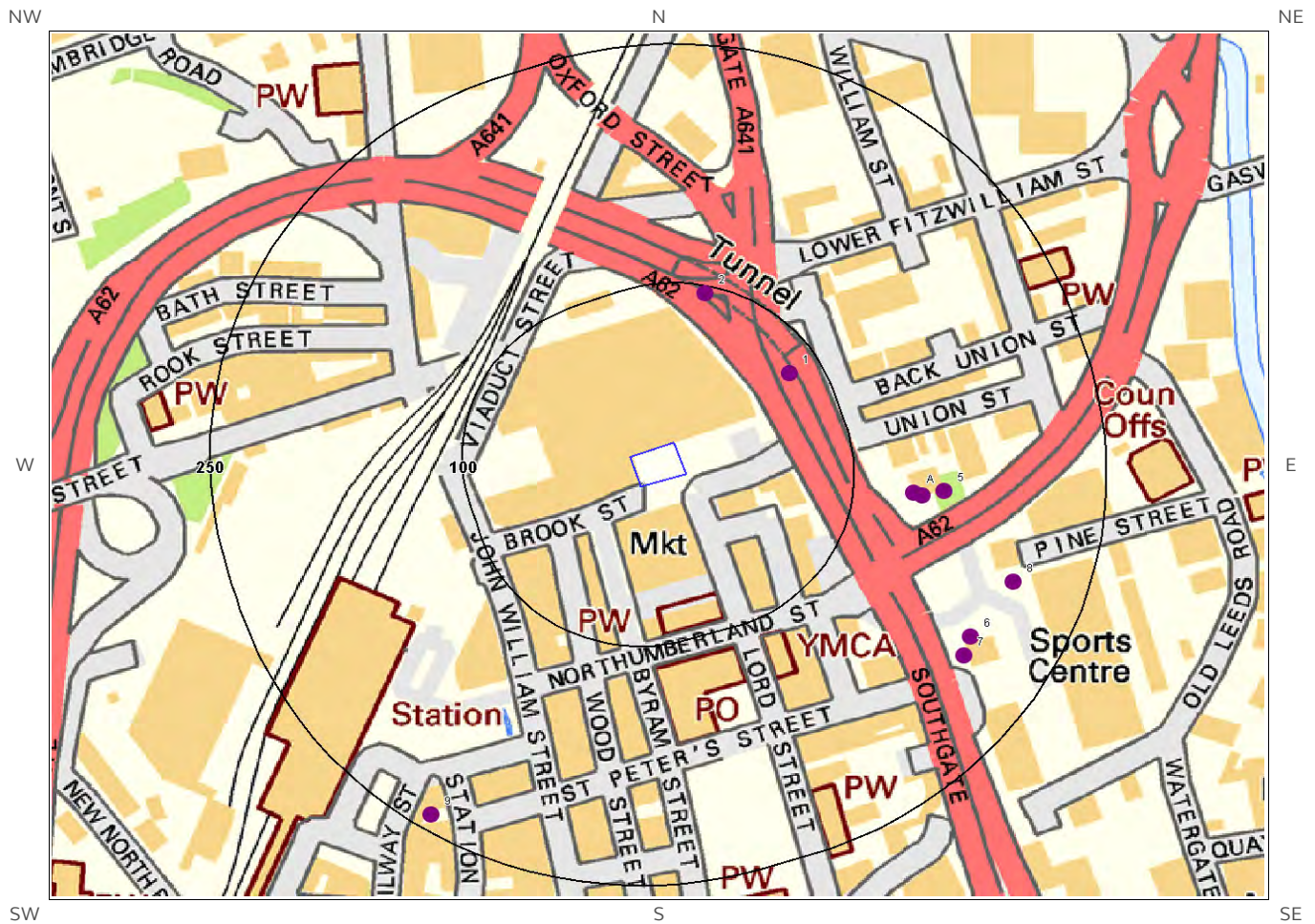
ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	Deposits with potential to collapse when loaded and saturated are unlikely to be present. No special ground investigation required or increased construction costs or increased financial risk due to potential problems with collapsible deposits.

4.6 Running Sands

The following Running Sands information provided by the British Geological Survey:

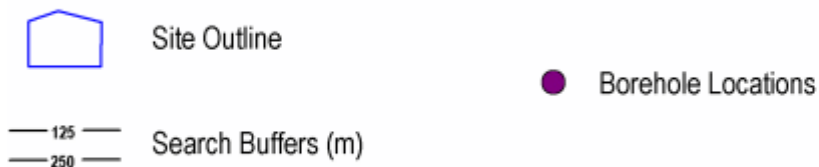
ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	Very low potential for running sand problems if water table rises or if sandy strata are exposed to water. No special actions required to avoid problems due to running sand. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with running sand.

5 Borehole Records Map



Borehole Records Legend

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5 Borehole Records

The systematic analysis of data extracted from the BGS Borehole Records database provides the following information.

Records of boreholes within 250m of the study site boundary:

9

ID	Distance (m)	Direction	NGR	BGS Reference	Drilled Length	Borehole Name
1	80.0	NE	414600 417110	SE11NW500	14.94	HUDDERSFIELD INNER RING ROAD 9
2	95.0	N	414550 417160	SE11NW499	17.68	HUDDERSFIELD INNER RING ROAD 8
3A	136.0	E	414674 417035	SE11NW28/D	7.62	SM 306 NORTHGATE HUDDERSFIELD 4
4A	141.0	E	414679 417033	SE11NW28/F	13.72	SM 306 NORTHGATE HUDDERSFIELD 6
5	153.0	E	414692 417036	SE11NW28/E	11.96	SM 306 NORTHGATE HUDDERSFIELD 5
6	197.0	SE	414708 416945	SE11NW28/C	12.34	SM 306 NORTHGATE HUDDERSFIELD 3
7	201.0	SE	414704 416933	SE11NW28/B	10.67	SM 306 NORTHGATE HUDDERSFIELD 2
8	206.0	E	414733 416979	SE11NW28/A	10.97	SM 306 NORTHGATE HUDDERSFIELD 1
9	241.0	SW	414387 416833	SE11NW22	14.02	HUDDERSFIELD BUILDING SOC

The borehole records are available using the hyperlinks below: Please note that if the donor of the borehole record has requested the information be held as commercial-in-confidence, the additional data will be held separately by the BGS and a formal request must be made for its release.

#1: scans.bgs.ac.uk/sobi_scans/boreholes/15631283
 #2: scans.bgs.ac.uk/sobi_scans/boreholes/15631282
 #3A: scans.bgs.ac.uk/sobi_scans/boreholes/41090
 #4A: scans.bgs.ac.uk/sobi_scans/boreholes/41092
 #5: scans.bgs.ac.uk/sobi_scans/boreholes/41091
 #6: scans.bgs.ac.uk/sobi_scans/boreholes/41089
 #7: scans.bgs.ac.uk/sobi_scans/boreholes/41088
 #8: scans.bgs.ac.uk/sobi_scans/boreholes/41087
 #9: scans.bgs.ac.uk/sobi_scans/boreholes/41069

6 Estimated Background Soil Chemistry

Records of background estimated soil chemistry within 250m of the study site boundary:

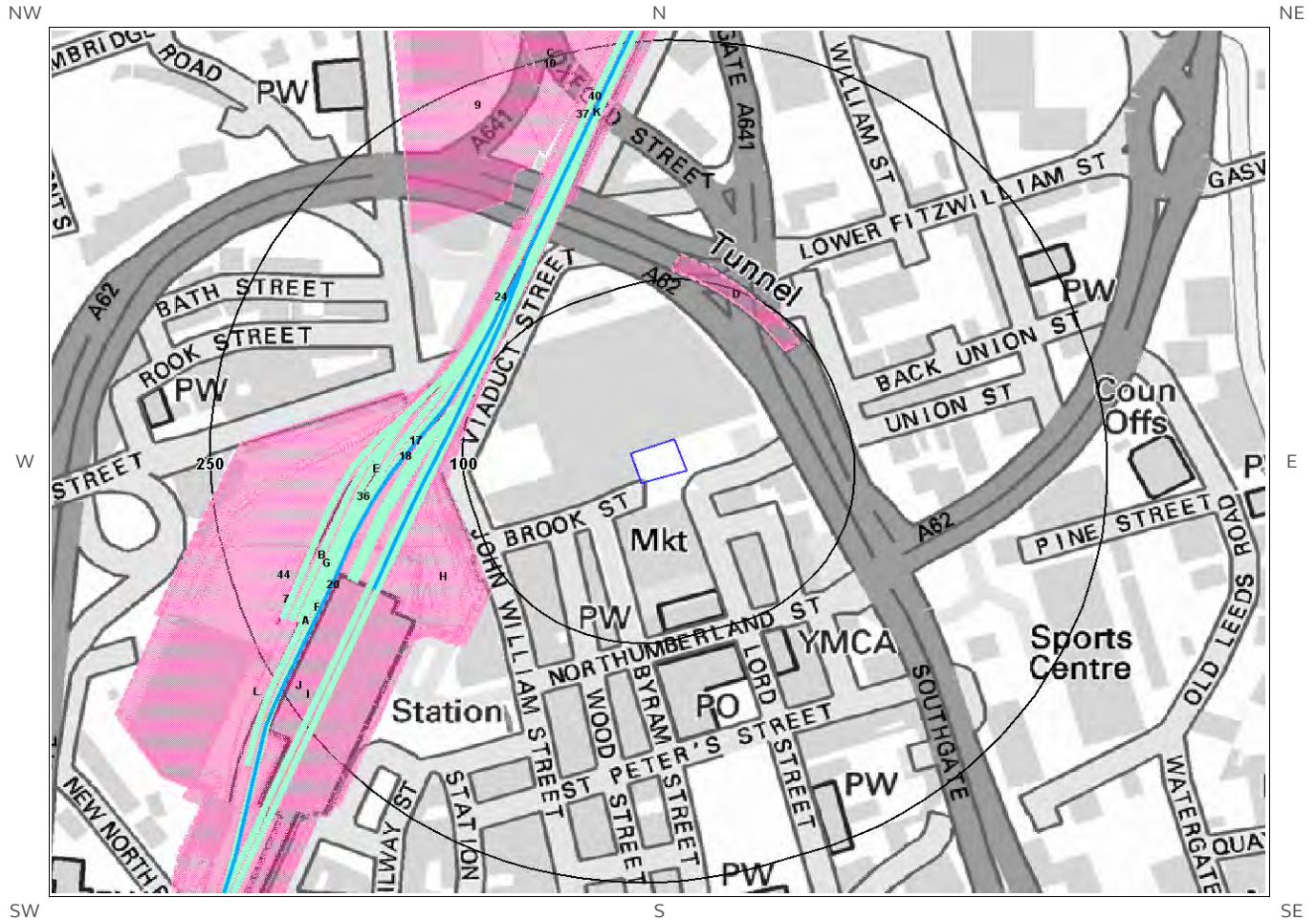
16

For further information on how this data is calculated and limitations upon its use, please see the Groundsure Geo Insight User Guide, available on request.

Distance (m)	Direction	Sample Type	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Nickel (Ni)	Lead (Pb)
0.0	On Site	RuralSoil	25 - 35 mg/kg	<1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg	100 - 200 mg/kg
6.0	W	RuralSoil	25 - 35 mg/kg	<1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg	100 - 200 mg/kg
39.0	S	RuralSoil	25 - 35 mg/kg	<1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg	100 - 200 mg/kg
39.0	S	RuralSoil	25 - 35 mg/kg	<1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg	100 - 200 mg/kg
41.0	S	RuralSoil	25 - 35 mg/kg	<1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg	100 - 200 mg/kg
41.0	S	RuralSoil	25 - 35 mg/kg	<1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg	100 - 200 mg/kg
73.0	S	RuralSoil	25 - 35 mg/kg	<1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg	100 - 200 mg/kg
82.0	S	RuralSoil	25 - 35 mg/kg	<1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg	100 - 200 mg/kg
126.0	NW	RuralSoil	25 - 35 mg/kg	<1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg	100 - 200 mg/kg
186.0	N	RuralSoil	25 - 35 mg/kg	<1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg	100 - 200 mg/kg
196.0	W	RuralSoil	15 - 25 mg/kg	<1.8 mg/kg	>180 mg/kg	30 - 45 mg/kg	100 - 200 mg/kg
201.0	W	RuralSoil	15 - 25 mg/kg	<1.8 mg/kg	>180 mg/kg	45 - 60 mg/kg	100 - 200 mg/kg
201.0	W	RuralSoil	15 - 25 mg/kg	<1.8 mg/kg	>180 mg/kg	45 - 60 mg/kg	100 - 200 mg/kg
234.0	N	RuralSoil	35 - 45 mg/kg	<1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg	100 - 200 mg/kg
242.0	E	RuralSoil	25 - 35 mg/kg	<1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg	100 - 200 mg/kg
244.0	E	RuralSoil	25 - 35 mg/kg	<1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg	100 - 200 mg/kg

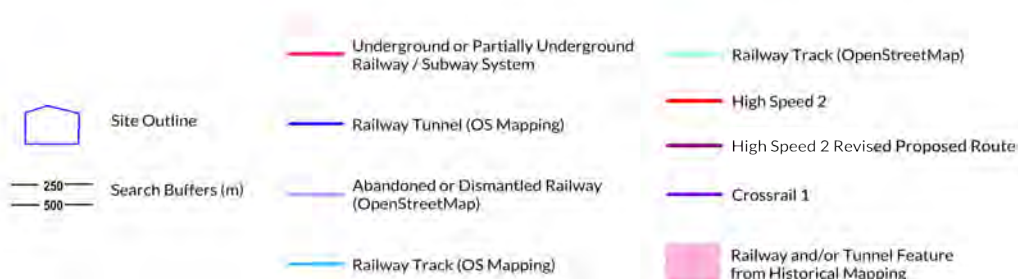
*As this data is based upon underlying 1:50,000 scale geological information, a 50m buffer has been added to the search radius.

7 Railways and Tunnels Map



Railways and Tunnels Legend

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7 Railways and Tunnels

7.1 Tunnels

This data is derived from OpenStreetMap and provides information on the possible locations of underground railway systems in the UK - the London Underground, the Tyne & Wear Metro and the Glasgow Subway.

Have any underground railway lines been identified within the study site boundary? No

Have any underground railway lines been identified within 250m of the study site boundary? No

Database searched and no data found.

Any records that have been identified are represented on the Railways and Tunnels Map.

This data is derived from Ordnance Survey mapping and provides information on the possible locations of railway tunnels forming part of the UK overground railway network.

Have any other railway tunnels been identified within the site boundary? No

Have any other railway tunnels been identified within 250m of the site boundary? No

Database searched and no data found.

Any records that have been identified are represented on the Railways and Tunnels Map.

7.2 Historical Railway and Tunnel Features

This data is derived from Groundsure's unique Historical Land-use Database and contains features relating to tunnels, railway tracks or associated works that have been identified from historical Ordnance Survey mapping.

Have any historical railway or tunnel features been identified within the study site boundary? No

Have any historical railway or tunnel features been identified within 250m of the study site boundary? Yes

ID	Distance (m)	Direction	NGR	Details	Date
13D	86	NE	414575 417153	Tunnel	1992
14D	86	NE	414569 417152	Tunnel	1984
15D	86	NE	414576 417152	Tunnel	1995
16D	86	NE	414576 417152	Tunnel	1998
1A	97	W	414315 416930	Railway Sidings	1975
2A	97	W	414315 416930	Railway Sidings	1985

ID	Distance (m)	Direction	NGR	Details	Date
3A	97	W	414315 416930	Railway Sidings	1966
4F	98	NW	414323 416935	Railway Sidings	1889
5B	99	NW	414324 416977	Railway Sidings	1905
6B	99	NW	414324 416977	Railway Sidings	1948
17	99	NW	414381 417089	Railway Sidings	1993
18	99	NW	414369 417073	Railway Sidings	1978
19E	99	NW	414335 417050	Railway Sidings	1959
20	99	NW	n/a	Railway	1907
21A	99	NW	n/a	Railway	1918
7	100	NW	414310 416941	Railway Sidings	1938
22E	100	NW	414373 417066	Railway Sidings	1958
23F	100	NW	n/a	Railway	1932
8A	101	NW	414263 416933	Railway Sidings	1956
24	101	NW	n/a	Railways	1893
25B	102	NW	414349 417020	Railway Sidings	1932
26G	102	NW	414250 416982	Railway Sidings	1907
27G	103	NW	414250 416984	Railway Sidings	1918
28G	103	NW	414250 416984	Railway Sidings	1893
29H	111	W	414387 416974	Railway Sidings	1959
30H	111	SW	414387 416974	Railway Sidings	1960
31I	130	W	414321 416880	Railway Sidings	1977
32	131	W	414373 416977	Railway Sidings	1982
33I	144	W	414315 416881	Railway Sidings	1990
34J	146	W	414313 416883	Railway Sidings	1994
35J	146	W	414313 416883	Railway Sidings	1993
36	149	W	414348 417030	Railway Sidings	1983
37	154	N	n/a	Railway	1932
38K	159	N	n/a	Railway	1907
39K	160	N	n/a	Railway	1883
9	174	NW	414340 417511	Railway Sidings	1956
40	175	N	n/a	Railway	1932
41L	175	W	414289 416879	Railway Sidings	1960

ID	Distance (m)	Direction	NGR	Details	Date
42L	175	W	414274 416880	Railway Sidings	1959
43	183	W	414278 416893	Railway Sidings	1982
10	194	N	414389 417533	Railway Sidings	1948
44	203	W	414300 416980	Railway Sidings	1982
11C	213	N	414394 417539	Railway Sidings	1966
12C	222	N	414387 417553	Railway Sidings	1938

Any records that have been identified are represented on the Railways and Tunnels Map.

7.3 Historical Railways

This data is derived from OpenStreetMap and provides information on the possible alignments of abandoned or dismantled railway lines in proximity to the study site.

Have any historical railway lines been identified within the study site boundary? No

Have any historical railway lines been identified within 250m of the study site boundary? No

Database searched and no data found.

Note: multiple sections of the same track may be listed in the detail above

Any records that have been identified are represented on the Railways and Tunnels Map.

7.4 Active Railways

These datasets are derived from Ordnance Survey mapping and OpenStreetMap and provide information on the possible locations of active railway lines in proximity to the study site.

Have any active railway lines been identified within the study site boundary? No

Have any active railway lines been identified within 250m of the study site boundary? Yes

Distance (m)	Direction	Name	Type
102	NW	Not given	Rail
104	NW	Not given	Multi Track
106	NW	Huddersfield Line	Rail
108	W	Not given	Rail
110	NW	Not given	Multi Track
111	NW	Not given	Rail
113	W	Not given	Rail
114	NW	Not given	Rail
117	NW	Not given	Rail
117	W	Not given	Rail
121	W	Not given	Rail
122	W	Not given	Rail

Distance (m)	Direction	Name	Type
124	W	Not given	Rail
127	W	Not given	Rail
129	W	Not given	Rail
134	W	Not given	Rail
134	W	Not given	Rail
135	NW	Not given	Multi Track
140	W	Not given	Rail
180	N	Huddersfield Line	Rail
201	N	Huddersfield Line	Rail
228	SW	Not given	Rail

Note: multiple sections of the same track may be listed in the detail above
Any records that have been identified are represented on the Railways and Tunnels Map.

7.5 Railway Projects

These datasets provide information on the location of large scale railway projects High Speed 2 and Crossrail 1 .

Is the study site within 5km of the route of the High Speed 2 rail project? No

Is the study site within 5km of the proposed alternative route of the High Speed 2 rail project? No

Is the study site within 500m of the route of the Crossrail 1 rail project? No

Further information on proximity to these routes, the project construction status and associated works can be obtained through the purchase of a Groundsure HS2 and Crossrail 1 Report.

The route data has been digitised from publicly available maps by Groundsure. The route as provided relates to the Crossrail 1 project only, and does not include any details of the Crossrail 2 project, as final details of the route for Crossrail 2 are still under consultation.

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Email: enquiries@bgs.ac.uk
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BGS Geological Hazards Reports and general geological enquiries



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www.coal.gov.uk



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Rogers Geotechnical Services
Barncliffe Mills, NEAR BANK,
HUDDERSFIELD, HD8 8LU

Groundsure Reference: GS-3334502
Your Reference: J3644_16_EDS
Report Date 27 Sep 2016
Report Delivery Method: Email - pdf

Groundsure Enviro Insight

Address: OPEN MARKET, BROOK STREET, HUDDERSFIELD, HD1 1RY

Dear Sir/ Madam,

Thank you for placing your order with Groundsure. Please find enclosed the **Groundsure Enviro Insight** as requested.

If you need any further assistance, please do not hesitate to contact our helpline on 08444 159000 quoting the above Groundsure reference number.

Yours faithfully,

Redacted

Managing Director
Groundsure Limited

Enc.
Groundsure Enviroinsight

Groundsure Enviro Insight

Address: OPEN MARKET, BROOK STREET, HUDDERSFIELD, HD1 1RY
Date: 27 Sep 2016
Reference: GS-3334502
Client: Rogers Geotechnical Services

NW

N

NE

W

E



SW

S

SE

Aerial Photograph Capture date: 26-Mar-2012
Grid Reference: 414529,417051
Site Size: 0.06ha

Report Reference: GS-3334502
Client Reference: J3644_16_EDS

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Overview of Findings

For further details on each dataset, please refer to each individual section in the main report as listed. Where the database has been searched a numerical result will be recorded. Where the database has not been searched '-' will be recorded.

Section 1: Historical Industrial Sites	On-site	0-50	51-250	251-500
1.1 Potentially Contaminative Uses identified from 1:10,000 scale mapping	0	0	51	135
1.2 Additional Information – Historical Tank Database	0	0	1	72
1.3 Additional Information – Historical Energy Features Database	0	0	24	58
1.4 Additional Information – Historical Petrol and Fuel Site Database	0	0	1	0
1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database	0	6	26	31
1.6 Potentially Infilled Land	1	0	1	26
Section 2: Environmental Permits, Incidents and Registers	On-site	0-50m	51-250	251-500
2.1 Industrial Sites Holding Environmental Permits and/or Authorisations				
2.1.1 Records of historic IPC Authorisations	0	0	0	0
2.1.2 Records of Part A(1) and IPPC Authorised Activities	0	0	336	0
2.1.3 Records of Red List Discharge Consents	0	0	0	0
2.1.4 Records of List 1 Dangerous Substances Inventory sites	0	0	0	0
2.1.5 Records of List 2 Dangerous Substances Inventory sites	0	0	0	0
2.1.6 Records of Part A(2) and Part B Activities and Enforcements	0	0	4	11
2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations	0	0	0	0
2.1.8 Records of Licensed Discharge Consents	0	0	2	0
2.1.9 Records of Water Industry Referrals	0	0	0	0
2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site	0	0	0	0
2.2 Records of COMAH and NIHHS sites	0	0	0	2
2.3 Environment Agency Recorded Pollution Incidents				
2.3.1 National Incidents Recording System, List 2	0	0	0	0
2.3.2 National Incidents Recording System, List 1	0	0	0	0
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990	0	0	0	0

Section 3: Landfill and Other Waste Sites	On-site	0-50m	51-250	251-500	501-1000	1000-1500
3.1 Landfill Sites						
3.1.1 Environment Agency Registered Landfill Sites	0	0	0	0	0	Not searched
3.1.2 Environment Agency Historic Landfill Sites	0	0	0	0	4	2
3.1.3 BGS/DoE Landfill Site Survey	0	0	0	0	0	0
3.1.4 Records of Landfills in Local Authority and Historical Mapping Records	0	0	0	0	1	0
3.2 Landfill and Other Waste Sites Findings						
3.2.1 Operational and Non-Operational Waste Treatment, Transfer and Disposal Sites	0	0	0	1	Not searched	Not searched
3.2.2 Environment Agency Licensed Waste Sites	0	0	0	3	15	19

Section 4: Current Land Use	On-site	0-50m	51-250	251-500
4.1 Current Industrial Sites Data	0	2	42	Not searched
4.2 Records of Petrol and Fuel Sites	0	0	1	3
4.3 National Grid Underground Electricity Cables	0	0	0	0
4.4 National Grid Gas Transmission Pipelines	0	0	0	0

Section 5: Geology	
5.1 Are there any records of Artificial Ground and Made Ground present beneath the study site?	Yes
5.2 Are there any records of Superficial Ground and Drift Geology present beneath the study site?	Yes
5.3 For records of Bedrock and Solid Geology beneath the study site see the detailed findings section.	

Section 6: Hydrogeology and Hydrology	0-500m					
6.1 Are there any records of Strata Classification in the Superficial Geology within 500m of the study site?	Yes					
6.2 Are there any records of Strata Classification in the Bedrock Geology within 500m of the study site?	Yes					
	On-site	0-50m	51-250	251-500	501-1000	1000-2000
6.3 Groundwater Abstraction Licences (within 2000m of the study site)	0	2	0	0	12	13
6.4 Surface Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	7	8
6.5 Potable Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	7	0
6.6 Source Protection Zones (within 500m of the study site)	0	0	0	0	Not searched	Not searched
6.7 Source Protection Zones within Confined Aquifer	0	0	0	0	Not searched	Not searched
6.8 Groundwater Vulnerability and Soil Leaching Potential (within 500m of the study site)	1	0	0	0	Not searched	Not searched
	On-site	0-50m	51-250	251-500	501-1000	1000-1500

Section 6: Hydrogeology and Hydrology				0-500m		
6.9 Is there any Environment Agency information on river quality within 1500m of the study site?	No	No	No	No	Yes	Yes
6.10 Detailed River Network entries within 500m of the site	0	0	0	1	Not searched	Not searched
6.11 Surface water features within 250m of the study site	No	No	No	Not searched	Not searched	Not searched

Section 7: Flooding			
7.1 Are there any Environment Agency Zone 2 floodplains within 250m of the study site?	No		
7.2 Are there any Environment Agency Zone 3 floodplains within 250m of the study site	No		
7.3 What is the Risk of flooding from Rivers and the Sea (RoFRaS) rating for the study site?	Very Low		
7.4 Are there any Flood Defences within 250m of the study site?	No		
7.5 Are there any areas benefiting from Flood Defences within 250m of the study site?	No		
7.6 Are there any areas used for Flood Storage within 250m of the study site?	No		
7.7 What is the maximum BGS Groundwater Flooding susceptibility within 50m of the study site?	Potential at Surface		
7.8 What is the BGS confidence rating for the Groundwater Flooding susceptibility areas?	Low		

Section 8: Designated Environmentally Sensitive Sites	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.1 Records of Sites of Special Scientific Interest (SSSI)	0	0	0	0	0	0
8.2 Records of National Nature Reserves (NNR)	0	0	0	0	0	0
8.3 Records of Special Areas of Conservation (SAC)	0	0	0	0	0	0
8.4 Records of Special Protection Areas (SPA)	0	0	0	0	0	0
8.5 Records of Ramsar sites	0	0	0	0	0	0
8.6 Records of Ancient Woodlands	0	0	0	0	0	2
8.7 Records of Local Nature Reserves (LNR)	0	0	0	0	0	1
8.8 Records of World Heritage Sites	0	0	0	0	0	0
8.9 Records of Environmentally Sensitive Areas	0	0	0	0	0	0
8.10 Records of Areas of Outstanding Natural Beauty (AONB)	0	0	0	0	0	0

Section 8: Designated Environmentally Sensitive Sites	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.11 Records of National Parks	0	0	0	0	0	0
8.12 Records of Nitrate Sensitive Areas	0	0	0	0	0	0
8.13 Records of Nitrate Vulnerable Zones	0	0	0	0	0	0
8.14 Records of Green Belt land	0	0	0	0	0	2

Section 9: Natural Hazards	
9.1 What is the maximum risk of natural ground subsidence?	Very Low
9.1.1 What is the maximum Shrink-Swell hazard rating identified on the study site?	Very Low
9.1.2 What is the maximum Landslides hazard rating identified on the study site?	Very Low
9.1.3 What is the maximum Soluble Rocks hazard rating identified on the study site?	Negligible
9.1.4 What is the maximum Compressible Ground hazard rating identified on the study site?	Very Low
9.1.5 What is the maximum Collapsible Rocks hazard rating identified on the study site?	Very Low
9.1.6 What is the maximum Running Sand hazard rating identified on the study site?	Very Low
9.2 Radon	
9.2.1 Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level?	The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level.
9.2.2 Is the property in an area where Radon Protection are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment?	No radon protective measures are necessary.

Section 10: Mining	
10.1 Are there any coal mining areas within 75m of the study site?	Yes
10.2 Are there any Non-Coal Mining areas within 50m of the study site boundary?	No
10.3 Are there any brine affected areas within 75m of the study site?	No

Using this report

The following report is designed by Environmental Consultants for Environmental Professionals bringing together the most up-to-date market leading environmental data. This report is provided under and subject to the Terms & Conditions agreed between Groundsure and the Client. The document contains the following sections:

1. Historical Industrial Sites

Provides information on past land uses that may pose a risk to the study site in terms of potential contamination from activities or processes. Potentially Infilled Land features are also included. This search is conducted using radii of up to 500m.

2. Environmental Permits, Incidents and Registers

Provides information on Regulated Industrial Activities and Pollution Incidents as recorded by Regulatory Authorities, and sites determined as Contaminated Land. This search is conducted using radii up to 500m.

3. Landfills and Other Waste Sites

Provides information on landfills and other waste sites that may pose a risk to the study site. This search is conducted using radii up to 1500m.

4. Current Land Uses

Provides information on current land uses that may pose a risk to the study site in terms of potential contamination from activities or processes. These searches are conducted using radii of up to 500m. This includes information on potentially contaminative industrial sites, petrol stations and fuel sites as well as high pressure gas pipelines and underground electricity transmission lines.

5. Geology

Provides information on artificial and superficial deposits and bedrock beneath the study site.

6. Hydrogeology and Hydrology

Provides information on productive strata within the bedrock and superficial geological layers, abstraction licenses, Source Protection Zones (SPZs) and river quality. These searches are conducted using radii of up to 2000m.

7. Flooding

Provides information on river and coastal flooding, flood defences, flood storage areas and groundwater flood areas. This search is conducted using radii of up to 250m.

8. Designated Environmentally Sensitive Sites

Provides information on the Sites of Special Scientific Interest (SSSI), National Nature Reserves (NNR), Special Areas of Conservation (SAC), Special Protection Areas (SPA), Ramsar sites, Local Nature Reserves (LNR), Areas of Outstanding Natural Beauty (AONB), National Parks (NP), Environmentally Sensitive Areas, Nitrate Sensitive Areas, Nitrate Vulnerable Zones and World Heritage Sites and Scheduled Ancient Woodland. These searches are conducted using radii of up to 2000m.

9. Natural Hazards

Provides information on a range of natural hazards that may pose a risk to the study site. These factors include natural ground subsidence and radon..

10. Mining

Provides information on areas of coal and non-coal mining and brine affected areas.

11. Contacts

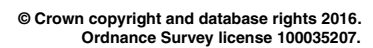
This section of the report provides contact points for statutory bodies and data providers that may be able to provide further information on issues raised within this report. Alternatively, Groundsure provide a free Technical Helpline (08444 159000) for further information and guidance.

Note: Maps

Only certain features are placed on the maps within the report. All features represented on maps found within this search are given an identification number. This number identifies the feature on the mapping and correlates it to the additional information provided below. This identification number precedes all other information and takes the following format -Id: 1, Id: 2, etc. Where numerous features on the same map are in such close proximity that the numbers would obscure each other a letter identifier is used instead to represent the features. (e.g. Three features which overlap may be given the identifier "A" on the map and would be identified separately as features 1A, 3A, 10A on the data tables provided).

Where a feature is reported in the data tables to a distance greater than the map area, it is noted in the data table as "Not Shown".

All distances given in this report are in Metres (m). Directions are given as compass headings such as N: North, E: East, NE: North East from the nearest point of the study site boundary.



1. Historical Industrial Sites

1.1 Potentially Contaminative Uses identified from 1:10,000 scale Mapping

The systematic analysis of data extracted from standard 1:10,560 and 1:10,000 scale historical maps provides the following information:

Records of sites with a potentially contaminative past land use within 500m of the search boundary: 186

ID	Distance [m]	Direction	Use	Date
1A	97	W	Railway Sidings	1985
2A	97	W	Railway Sidings	1966
3A	97	W	Railway Sidings	1975
4A	98	NW	Railway Sidings	1889
5B	99	NW	Railway Sidings	1948
6B	99	NW	Railway Sidings	1905
7A	100	NW	Railway Sidings	1938
8A	101	NW	Railway Sidings	1956
9C	105	NW	Railway Building	1938
10C	109	NW	Railway Building	1956
11D	111	W	Railway Building	1966
12D	111	W	Railway Building	1985
13D	111	W	Railway Building	1975
14D	111	W	Railway Building	1956
15D	114	W	Railway Building	1905
16D	114	W	Railway Building	1948
17D	114	W	Railway Building	1938
18	124	NW	Goods Station	1956
19F	136	W	Railway Station	1956
20E	137	W	Railway Buildings	1975
21E	137	W	Railway Buildings	1985
22E	137	W	Railway Buildings	1956
23E	137	W	Railway Buildings	1966
24F	138	W	Railway Station	1938
25F	140	W	Railway Station	1985
26F	140	W	Railway Station	1975
27F	140	W	Railway Station	1966
28F	140	W	Railway Station	1889
29E	140	W	Railway Buildings	1938
30F	141	W	Railway Station	1948
31F	141	W	Railway Station	1905
32	163	N	Goods Yard	1966
33	174	NW	Railway Sidings	1956
34	194	N	Railway Sidings	1948

35H	213	N	Railway Sidings	1966
36G	214	W	Railway Building	1975
37G	214	W	Railway Building	1985
38G	214	W	Railway Buildings	1956
39G	214	W	Railway Building	1966
40G	216	W	Railway Buildings	1938
41G	217	W	Railway Building	1889
42H	222	N	Railway Sidings	1938
43G	230	W	Railway Buildings	1948
44G	230	W	Railway Buildings	1905
45I	242	SW	Railway Building	1975
46I	242	SW	Goods Shed	1966
47I	242	SW	Goods Shed	1956
48I	242	SW	Railway Building	1985
49I	244	SW	Goods Shed	1938
50I	246	SW	Railway Building	1905
51I	246	SW	Railway Building	1948
52	277	N	Railway Sidings	1938
53	277	N	Railway Sidings	1948
54N	299	E	Unspecified Commercial/Industrial	1938
55J	300	NE	Unspecified Mills	1948
56J	300	NE	Unspecified Mills	1985
57J	300	NE	Unspecified Mills	1975
58L	301	NE	Omnibus Depot	1966
59J	301	NE	Unspecified Mills	1905
60J	302	NE	Unspecified Mills	1938
61J	302	NE	Unspecified Mills	1956
62	305	E	Unspecified Mill	1966
63J	308	NE	Unspecified Mill	1966
64K	310	SE	Telephone Exchange	1985
65K	310	SE	Telephone Exchange	1975
66M	311	SW	Railway Building	1956
67L	311	NE	Unspecified Depot	1975
68L	311	NE	Unspecified Depot	1985
69M	312	SW	Railway Building	1985
70M	312	SW	Railway Building	1975
71M	312	SW	Railway Building	1966
72	314	SE	Dairy	1985
73L	314	NE	Tramcar and Omnibus Depot	1948
74L	316	NE	Tramcar and Omnibus Depot	1938
75V	316	NW	Printing Works	1905
76L	316	NE	Tramway and Omnibus Depot	1956
77M	316	SW	Railway Building	1938

78M	317	SW	Railway Building	1948
79M	317	SW	Railway Building	1905
80N	318	NE	Railway Sidings	1948
81	318	NE	Tramway Depot	1905
82S	319	NE	Railway Sidings	1956
83	329	N	Goods Station	1948
84O	340	SE	Unspecified Mills	1985
85O	340	SE	Unspecified Mills	1966
86O	340	SE	Unspecified Mills	1975
87P	344	W	Cuttings	1975
88P	344	W	Cuttings	1985
89AD	345	NE	Railway Sidings	1966
90N	345	NE	Unspecified Works	1966
91Q	350	E	Gas Works	1889
92N	350	E	Unspecified Commercial/Industrial	1948
93Q	354	E	Gas Works	1905
94R	354	E	Dye Works	1948
95R	356	E	Dye Works	1938
96S	358	E	Unspecified Commercial/Industrial	1956
97Y	359	E	Unspecified Depot	1985
98R	360	E	Dye Works	1956
99T	361	NE	Gas Works	1975
100T	361	NE	Unspecified Works	1985
101U	362	SW	Tunnels	1956
102U	362	SW	Tunnels	1975
103U	362	SW	Tunnels	1985
104U	362	SW	Tunnels	1966
105AG	363	NE	Electricity Works	1905
106U	366	SW	Tunnel	1938
107U	367	SW	Tunnels	1975
108U	367	SW	Tunnels	1956
109U	367	SW	Tunnels	1966
110U	367	SW	Tunnels	1985
111V	369	NW	Goods Station	1938
112R	369	E	Unspecified Tank	1966
113U	371	SW	Tunnel	1905
114U	371	SW	Tunnel	1948
115U	375	SW	Tunnel	1948
116U	375	SW	Tunnel	1905
117X	382	E	Dye Works	1905
118W	384	NW	Unspecified Depot	1985
119W	384	NW	Unspecified Depot	1975
120X	385	E	Unspecified Works	1985
121X	385	E	Unspecified Works	1975

122Y	394	E	Unspecified Tanks	1889
123Q	398	E	Gasometers	1905
124	408	NE	Unspecified Mills	1889
125Z	408	SE	Unspecified Mills	1975
126Z	408	SE	Unspecified Mills	1966
127AA	408	SW	Infirmary	1938
128AA	409	W	Infirmary	1956
129AB	411	NW	Unspecified Pit	1889
130AA	411	SW	Infirmary	1948
131AA	411	SW	Infirmary	1905
132Z	411	SE	Unspecified Mills	1985
133	413	NE	Abattoir	1985
134AB	416	NW	Unspecified Pit	1948
135AB	417	NW	Unspecified Pit	1938
136AB	417	NW	Unspecified Pit	1938
137AB	418	NW	Unspecified Pit	1956
138AC	418	E	Gasometers	1889
139AC	421	E	Unspecified Tank	1938
140AC	422	E	Unspecified Tanks	1948
141AC	422	E	Gasometers	1905
142AS	424	NE	Unspecified Ground Workings	1889
143AD	425	E	Unspecified Tank	1956
144AD	425	E	Unspecified Tank	1966
145AE	434	NE	Unspecified Mills	1948
146AE	440	NE	Unspecified Mills	1938
147AE	444	NE	Unspecified Commercial/Industrial	1985
148AE	444	NE	Unspecified Commercial/Industrial	1975
149AE	444	NE	Unspecified Mills	1956
150AE	444	NE	Unspecified Commercial/Industrial	1966
151AF	454	NW	Unspecified Warehouse	1948
152AF	457	NW	Unspecified Depot	1975
153AF	457	NW	Unspecified Depot	1985
154AF	461	NW	Unspecified Warehouse	1938
155AG	461	NE	Unspecified Tanks	1948
156AH	461	E	Unspecified Commercial/Industrial	1965
157AH	461	E	Unspecified Commercial/Industrial	1956
158AH	461	E	Unspecified Works	1975
159AH	461	E	Unspecified Works	1988
160	462	NW	Unspecified Works	1956
161AI	463	E	Unspecified Commercial/Industrial	1975

162AI	463	E	Unspecified Commercial/Industrial	1988
163AI	463	E	Unspecified Commercial/Industrial	1965
164AI	463	E	Unspecified Commercial/Industrial	1956
165AA	464	W	Infirmery	1966
166AG	467	NE	Unspecified Tank	1938
167	467	NW	Unspecified Warehouse	1985
168AJ	468	NE	Unspecified Mills	1889
169AJ	469	NE	Unspecified Mills	1948
170AG	469	NE	Unspecified Tank	1956
171AG	469	NE	Unspecified Tank	1966
172AC	470	E	Unspecified Tank	1956
173AC	470	E	Unspecified Tank	1966
174AG	471	NE	Gasometer	1975
175AG	471	NE	Unspecified Tank	1985
176AJ	473	NE	Unspecified Commercial/Industrial	1905
177AJ	475	NE	Unspecified Mills	1938
178AI	478	E	Railway Sidings	1956
179AJ	480	NE	Unspecified Mills	1956
180AJ	480	NE	Unspecified Mills	1985
181AJ	480	NE	Unspecified Mills	1975
182AJ	480	NE	Unspecified Mills	1966
183AI	487	E	Unspecified Tank	1948
184AI	487	E	Unspecified Tank	1938
185AI	490	E	Unspecified Tank	1956
186CA	496	NW	Cuttings	1889

1.2 Additional Information – Historical Tank Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical tanks within 500m of the search boundary:

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ID	Distance (m)	Direction	Use	Date
187	250	N	Unspecified Tank	1890
188AK	251	SW	Unspecified Tank	1932
189AK	251	SW	Unspecified Tank	1907
190AK	251	SW	Unspecified Tank	1918
191Y	292	E	Gas Works	1907
192Y	293	E	Gas Works	1972
193AL	318	E	Tanks	1918

194AL	318	E	Tanks	1932
195AL	318	E	Tanks	1907
196N	327	NE	Gas Works	1907
197AM	349	NW	Tanks	1983
198AM	349	NW	Tanks	1978
199AL	350	NE	Unspecified Tank	1890
200R	367	E	Gasometer	1972
201R	367	E	Unspecified Tank	1959
202R	368	E	Unspecified Tank	1958
203	371	NW	Unspecified Tank	1890
204AN	371	E	Unspecified Tank	1992
205AN	372	E	Unspecified Tank	1984
206	374	E	Tanks	1893
207AG	388	NE	Gas Works	1981
208AG	388	NE	Gas Works	1972
209Y	395	E	Gasometer	1907
210Y	395	E	Gasometer	1893
211BG	396	E	Unspecified Tank	1893
212R	408	E	Unspecified Tank	1972
213Q	411	E	Gasometer	1893
214Q	411	E	Gasometer	1907
215AO	413	NW	Unspecified Tank	1893
216AO	414	NW	Unspecified Tank	1890
217AD	417	E	Gasometer	1890
218AC	420	E	Gasometers	1907
219AC	420	E	Tanks	1932
220AC	420	E	Gasometers	1893
221AC	422	E	Tanks	1959
222AP	422	E	Unspecified Tank	1972
223AP	422	E	Unspecified Tank	1959
224AP	423	E	Unspecified Tank	1958
225N	423	E	Unspecified Tank	1958
226N	427	E	Gasometer	1890
227	429	NE	Unspecified Tank	1890
228	435	E	Tanks	1932
229AP	435	E	Unspecified Tank	1959
230AP	436	E	Unspecified Tank	1958
231AQ	441	NW	Tanks	1993
232AQ	441	NW	Tanks	1983
233AQ	442	NW	Tanks	1978
234AR	447	E	Unspecified Tank	1890
235AR	460	E	Unspecified Tank	1890
236AC	462	E	Gasometer	1890
237BI	466	E	Gas Works	1932
238AG	466	NE	Unspecified Tank	1992
239AG	467	NE	Gasholder	1981

240AG	467	NE	Gasholder	1984
241AG	467	NE	Gasholder	1998
242AG	468	NE	Gas Holder	1995
243AG	468	NE	Gas Holder	1958
244AC	469	E	Unspecified Tank	1959
245AG	469	NE	Unspecified Tank	1972
246AG	469	NE	Gasholder	1958
247AG	470	NE	Unspecified Tank	1932
248AS	473	NE	Tanks	1918
249AS	473	NE	Tanks	1907
250AS	473	NE	Tanks	1907
251AI	488	E	Unspecified Tank	1918
252AI	488	E	Unspecified Tank	1932
253AI	488	E	Unspecified Tank	1893
254	492	E	Unspecified Tank	1907
255AT	492	E	Unspecified Tank	1918
256AT	493	E	Unspecified Tank	1959
257	495	E	Tanks	1983
258AU	497	NW	Unspecified Tank	1978
259AU	498	NW	Unspecified Tank	

1.3 Additional Information – Historical Energy Features Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical energy features within 500m of the search boundary:

82

ID	Distance (m)	Direction	Use	Date
260AV	95	NE	Electricity Substation	1998
261AV	95	NE	Electricity Substation	1995
262AV	96	NE	Electricity Substation	1981
263AV	96	NE	Electricity Substation	1992
264AV	96	NE	Electricity Substation	1984
265AW	97	SW	Electricity Substation	1982
266AW	101	SW	Electricity Substation	1994
267AW	107	S	Electricity Substation	1993
268AX	150	E	Electricity Substation	1972
269AX	151	E	Electricity Substation	1995
270AX	151	E	Electricity Substation	1998
271AX	152	E	Electricity Substation	1992
272AX	152	E	Electricity Substation	1981
273AX	152	E	Electricity Substation	1984
274AY	186	N	Electricity Substations	1978

275AY	186	N	Electricity Substations	1993
276AY	186	N	Electricity Substations	1983
277AZ	206	SE	Electricity Substation	1991
278AZ	207	SE	Electricity Substation	1993
279BA	237	E	Electricity Substation	1995
280BA	237	E	Electricity Substation	1998
281G	241	W	Electricity Substation	1983
282G	241	W	Electricity Substation	1978
283G	242	W	Electricity Substation	1993
284BA	251	E	Electricity Substation	1984
285BA	251	E	Electricity Substation	1992
286BA	251	E	Electricity Substation	1981
287BA	251	E	Electricity Substation	1972
288Y	292	E	Gas Works	1907
289Y	292	E	Corporation Gas Works	1893
290Y	293	E	Gas Works	1972
291AC	327	NE	Corporation Gas Works	1893
292AC	327	NE	Gas Works	1907
293BB	340	S	Electricity Substation	1991
294BB	340	S	Electricity Substation	1993
295BC	346	NW	Electricity Substation	1983
296BC	346	NW	Electricity Substation	1978
297BC	348	NW	Electricity Substation	1993
298BD	361	SW	Electricity Substation	1990
299BD	361	SW	Electricity Substation	1977
300AD	365	E	Corporation Gas Works	1890
301R	367	E	Gasometer	1972
302BD	369	SW	Electricity Substation	1994
303BD	369	SW	Electricity Substation	1993
304BD	370	SW	Electricity Substation	1982
305BE	381	W	Electricity Substation	1994
306BE	381	W	Electricity Substation	1993
307T	388	NE	Gas Works	1981
308T	388	NE	Gas Works	1972
309BE	392	W	Electricity Substation	1983
310BE	392	W	Electricity Substation	1990
311BE	392	W	Electricity Substation	1977
312BE	393	W	Electricity Substation	1982
313BE	393	W	Electricity Substation	1978
314Y	395	E	Gasometer	1893
315Y	395	E	Gasometer	1907
316BE	398	W	Electricity Substation	1993
317BU	404	SE	Electricity Substation	1985
318BF	406	S	Electricity Substation	1994
319BF	406	S	Electricity Substation	1993
320BF	408	S	Electricity Substation	1982

321BF	409	S	Electricity Substation	1990
322BG	411	E	Gasometer	1893
323Q	411	E	Gasometer	1907
324AR	417	E	Gasometer	1890
325AC	420	E	Gasometers	1893
326AC	420	E	Gasometers	1907
327BH	423	S	Electricity Substation	1985
328BH	424	S	Electricity Substation	1991
329BH	425	S	Electricity Substation	1993
330AR	427	E	Gasometer	1890
331AC	427	E	Corporation Gas Works	1890
332	428	NE	Electricity Works	1907
333	441	SE	Electricity Substation	1991
334AC	462	E	Gasometer	1890
335BI	466	E	Gas Works	1981
336AG	467	NE	Gasholder	1984
337AG	467	NE	Gasholder	1992
338AG	467	NE	Gasholder	1998
339AG	468	NE	Gas Holder	1995
340AG	468	NE	Gas Holder	1972
341AG	469	NE	Gasholder	

1.4 Additional Information – Historical Petrol and Fuel Site Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical petrol stations and fuel sites within 500m of the search boundary: 1

ID	Distance (m)	Direction	Use	Date
342	83	N	Filling Station	1983

1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical garage and motor vehicle repair sites within 500m of the search boundary: 63

ID	Distance (m)	Direction	Use	Date
343BJ	21	W	Garage	1978
344BJ	21	W	Garage	1959
345BJ	21	W	Garage	1958

346BK	42	NW	Garage	1959
347BK	42	NW	Garage	1978
348BK	43	NW	Garage	1958
349BL	94	N	Garage	1959
350BL	94	N	Garage	1959
351BL	95	N	Garage	1958
352BM	109	E	Garage	1995
353BM	109	E	Garage	1998
354BM	111	E	Garage	1972
355BM	111	E	Garage	1992
356BM	111	E	Garage	1984
357BM	111	E	Garage	1981
358BN	121	NW	Garage	1983
359BN	124	NW	Garage	1978
360BM	128	E	Garage	1959
361BM	128	E	Garage	1958
362BN	136	NW	Garage	1959
363BN	136	NW	Garage	1958
364	137	N	Motor Works	1918
365BO	167	N	Garage	1998
366BO	167	N	Garage	1995
367BQ	169	N	Garage	1992
368BO	170	N	Garage	1992
369BP	170	N	Garage	1984
370BP	170	N	Garage	1981
371BM	174	E	Garage	1959
372BM	176	E	Garage	1958
373BQ	201	N	Garage	1995
374BP	201	N	Garage	1998
375BR	253	SE	Garage	1959
376BR	254	SE	Garage	1960
377BR	254	SE	Garage	1966
378BS	305	N	Garage	1995
379BS	305	N	Garage	1998
380BS	306	N	Garage	1992
381	321	S	Carriage Works	1893
382BT	338	SE	Garage	1985
383BT	338	SE	Garage	1993
384BT	339	SE	Garage	1959
385BT	339	SE	Garage	1966
386BT	339	SE	Garage	1960
387BT	339	SE	Garage	1991
388BU	380	SE	Garage	1985
389BU	381	SE	Garage	1991
390BU	381	SE	Garage	1966
391	413	SE	Garage	1993

392BV	419	W	Garage	1983
393BV	419	W	Garage	1978
394BW	442	SE	Garage	1985
395BW	451	SE	Garage	1959
396BW	451	SE	Garage	1966
397BW	451	SE	Garage	1960
398BW	451	SE	Garage	1991
399BX	491	N	Garage	1986
400BX	491	N	Garage	1989
401BX	491	N	Garage	1989
402	493	N	Garage	1993
403BY	496	SE	Garage	1985
404BY	497	SE	Garage	1966
405BY	497	SE	Garage	1991

1.6 Potentially Infilled Land

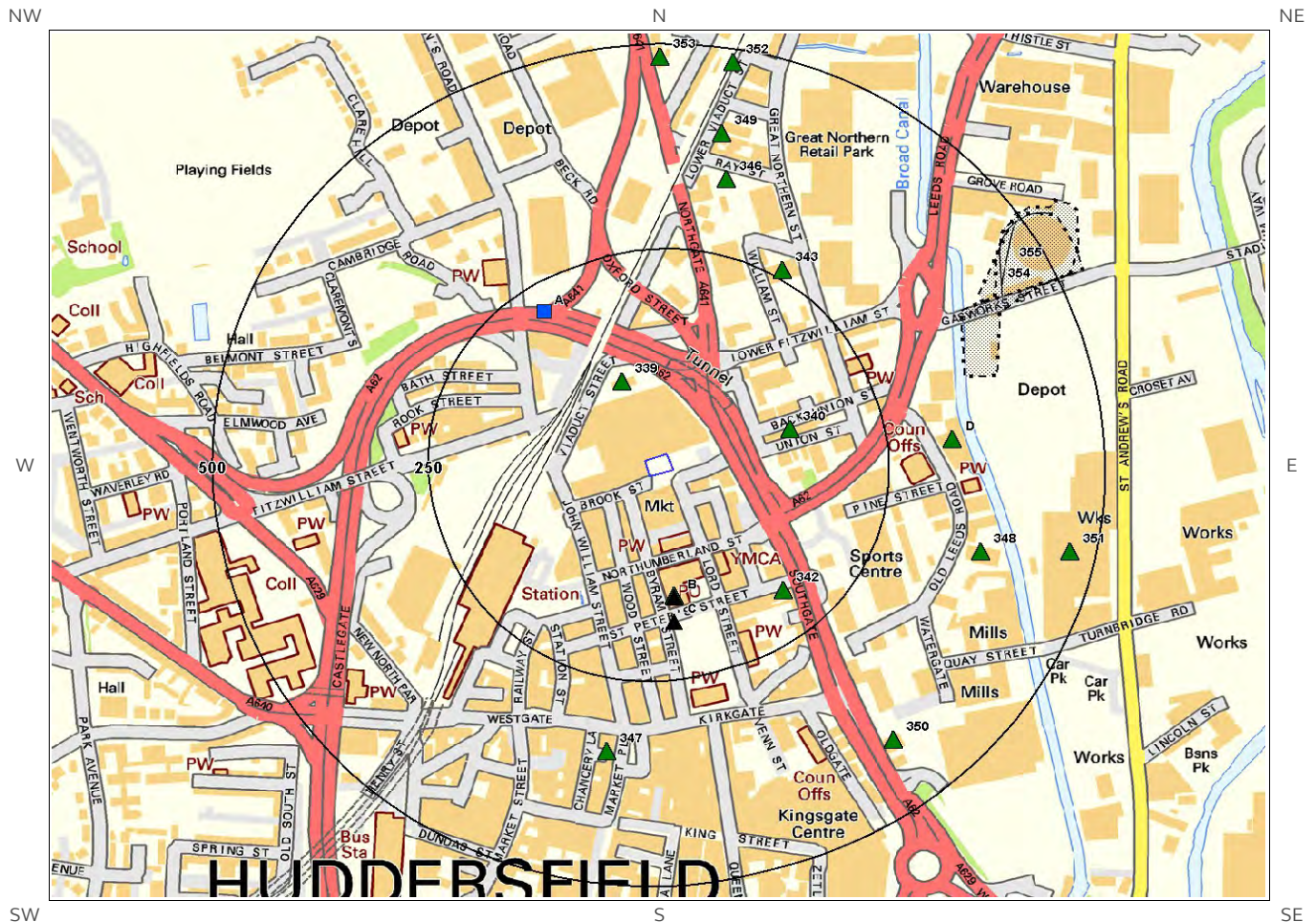
Records of Potentially Infilled Features from 1:10,000 scale mapping within 500m of the study site: 28

The following Historical Potentially Infilled Features derived from the Historical Mapping information is provided by Groundsure:

ID	Distance(m)	Direction	Use	Date
406	0	On Site	Ponds	1889
407BK	58	W	Pond	1889
408	332	E	Canal	1889
409BZ	333	E	Canal	1905
410BZ	333	E	Canal	1948
411	335	E	Canal	1938
412P	344	W	Cuttings	1985
413P	344	W	Cuttings	1975
414U	362	SW	Tunnels	1985
415U	362	SW	Tunnels	1966
416U	362	SW	Tunnels	1956
417U	362	SW	Tunnels	1975
418U	366	SW	Tunnel	1938
419U	367	SW	Tunnels	1985
420U	367	SW	Tunnels	1966
421U	367	SW	Tunnels	1956
422U	367	SW	Tunnels	1975
423U	371	SW	Tunnel	1948
424U	371	SW	Tunnel	1905
425U	375	SW	Tunnel	1948
426U	375	SW	Tunnel	1905
427AB	411	NW	Unspecified Pit	1889
428AB	416	NW	Unspecified Pit	1948
429AB	417	NW	Unspecified Pit	1938

430AB	417	NW	Unspecified Pit	1938
431AB	418	NW	Unspecified Pit	1956
432AS	424	NE	Unspecified Ground Workings	1889
433CA	496	NW	Cuttings	1889

2. Environmental Permits, Incidents and Registers Map



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2. Environmental Permits, Incidents and Registers

2.1 Industrial Sites Holding Licences and/or Authorisations

Searches of information provided by the Environment Agency and Local Authorities reveal the following information:

2.1.1 Records of historic IPC Authorisations within 500m of the study site:

0

Database searched and no data found.

2.1.2 Records of Part A(1) and IPPC Authorised Activities within 500m of the study site:

336

The following Part A(1) and IPPC Authorised Activities are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details
356B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: WP3231XF Original Permit Number: AP3733LE EPR Reference: - Issue Date: 18/7/2008 Effective Date: 18/7/2008 Last date noted as effective: 2016-08-31 Status: Superseded
357B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: VP3431UF Original Permit Number: AP3733LE EPR Reference: - Issue Date: 2/11/2007 Effective Date: 2/11/2007 Last date noted as effective: 2016-08-31 Status: Superseded
358B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: BP3336WB Original Permit Number: AP3733LE EPR Reference: - Issue Date: 11/12/2014 Effective Date: 11/12/2014 Last date noted as effective: 2016-08-31 Status: Effective

ID	Distance (m)	Direction	NGR	Details	
359B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS	Permit Number: BP3336WB Original Permit Number: AP3733LE EPR Reference: - Issue Date: 11/12/2014 Effective Date: 11/12/2014 Last date noted as effective: 2016-08-31 Status: Effective
360B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES	Permit Number: GP3035CS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 1/3/2012 Effective Date: 1/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
361B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT	Permit Number: BP3336WB Original Permit Number: AP3733LE EPR Reference: - Issue Date: 11/12/2014 Effective Date: 11/12/2014 Last date noted as effective: 2016-08-31 Status: Effective
362B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS	Permit Number: WP3231XF Original Permit Number: AP3733LE EPR Reference: - Issue Date: 18/7/2008 Effective Date: 18/7/2008 Last date noted as effective: 2016-08-31 Status: Superseded
363B	152	S	414540 416890	Operator: Cofely Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: BP3836WF Original Permit Number: WP3633CS EPR Reference: - Issue Date: 11/12/2014 Effective Date: 11/12/2014 Last date noted as effective: 2016-08-31 Status: Superseded
364B	152	S	414540 416890	Operator: Cofely Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: BP3836WF Original Permit Number: WP3633CS EPR Reference: - Issue Date: 11/12/2014 Effective Date: 11/12/2014 Last date noted as effective: 2016-08-31 Status: Superseded
365B	152	S	414540 416890	Operator: Cofely Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: RP3634AY Original Permit Number: WP3633CS EPR Reference: - Issue Date: 22/12/2015 Effective Date: 22/12/2015 Last date noted as effective: 2016-08-31 Status: Superseded
366B	152	S	414540 416890	Operator: Cofely Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: RP3634AY Original Permit Number: WP3633CS EPR Reference: - Issue Date: 22/12/2015 Effective Date: 22/12/2015 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details
367B	152	S	414540 416890	Operator: Cofely Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW Permit Number: SP3035NB Original Permit Number: WP3633CS EPR Reference: - Issue Date: 22/7/2013 Effective Date: 22/7/2013 Last date noted as effective: 2016-08-31 Status: Superseded
368B	152	S	414540 416890	Operator: Cofely Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW Permit Number: SP3035NB Original Permit Number: WP3633CS EPR Reference: - Issue Date: 22/7/2013 Effective Date: 22/7/2013 Last date noted as effective: 2016-08-31 Status: Superseded
369B	152	S	414540 416890	Operator: Engie Fm Limited Installation Name: Syngenta Leeds Road Process: COMBUSTION; ANY FUEL =>50MW Permit Number: UP3530DW Original Permit Number: WP3633CS EPR Reference: - Issue Date: 31/5/2016 Effective Date: 31/5/2016 Last date noted as effective: 2016-08-31 Status: Effective
370B	152	S	414540 416890	Operator: Engie Fm Limited Installation Name: Syngenta Leeds Road Process: COMBUSTION; ANY FUEL =>50MW Permit Number: UP3530DW Original Permit Number: WP3633CS EPR Reference: - Issue Date: 31/5/2016 Effective Date: 31/5/2016 Last date noted as effective: 2016-08-31 Status: Effective
371B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: GP3035CS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 1/3/2012 Effective Date: 1/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
372B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: WP3231XF Original Permit Number: AP3733LE EPR Reference: - Issue Date: 18/7/2008 Effective Date: 18/7/2008 Last date noted as effective: 2016-08-31 Status: Superseded
373B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: GP3035CS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 1/3/2012 Effective Date: 1/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
374B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES Permit Number: VP3431UF Original Permit Number: AP3733LE EPR Reference: - Issue Date: 2/11/2007 Effective Date: 2/11/2007 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details	
375B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: WP3231XF Original Permit Number: AP3733LE EPR Reference: - Issue Date: 18/7/2008 Effective Date: 18/7/2008 Last date noted as effective: 2016-08-31 Status: Superseded
376B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES	Permit Number: WP3233KS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 13/11/2009 Effective Date: 13/11/2009 Last date noted as effective: 2016-08-31 Status: Superseded
377B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: BP3336WB Original Permit Number: AP3733LE EPR Reference: - Issue Date: 11/12/2014 Effective Date: 11/12/2014 Last date noted as effective: 2016-08-31 Status: Effective
378B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS	Permit Number: WP3233KS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 13/11/2009 Effective Date: 13/11/2009 Last date noted as effective: 2016-08-31 Status: Superseded
379B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS	Permit Number: WP3231XF Original Permit Number: AP3733LE EPR Reference: - Issue Date: 18/7/2008 Effective Date: 18/7/2008 Last date noted as effective: 2016-08-31 Status: Superseded
380B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES	Permit Number: GP3035CS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 1/3/2012 Effective Date: 1/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
381B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES	Permit Number: LP3030HS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 25/10/2010 Effective Date: 25/10/2010 Last date noted as effective: 2016-08-31 Status: Superseded
382B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS	Permit Number: BP3336WB Original Permit Number: AP3733LE EPR Reference: - Issue Date: 11/12/2014 Effective Date: 11/12/2014 Last date noted as effective: 2016-08-31 Status: Effective

ID	Distance (m)	Direction	NGR	Details
383B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW Permit Number: GP3035CS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 1/3/2012 Effective Date: 1/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
384B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: WP3233KS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 13/11/2009 Effective Date: 13/11/2009 Last date noted as effective: 2016-08-31 Status: Superseded
385B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: VP3431UF Original Permit Number: AP3733LE EPR Reference: - Issue Date: 2/11/2007 Effective Date: 2/11/2007 Last date noted as effective: 2016-08-31 Status: Superseded
386B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS Permit Number: LP3030HS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 25/10/2010 Effective Date: 25/10/2010 Last date noted as effective: 2016-08-31 Status: Superseded
387B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES Permit Number: GP3035CS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 1/3/2012 Effective Date: 1/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
388B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: GP3035CS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 1/3/2012 Effective Date: 1/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
389B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: GP3035CS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 1/3/2012 Effective Date: 1/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
390B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: WP3231XF Original Permit Number: AP3733LE EPR Reference: - Issue Date: 18/7/2008 Effective Date: 18/7/2008 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details
391B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: ZP3639VC Original Permit Number: AP3733LE EPR Reference: - Issue Date: 3/4/2014 Effective Date: 3/4/2014 Last date noted as effective: 2016-08-31 Status: Superseded
392B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: ZP3639VC Original Permit Number: AP3733LE EPR Reference: - Issue Date: 3/4/2014 Effective Date: 3/4/2014 Last date noted as effective: 2016-08-31 Status: Superseded
393B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW Permit Number: WP3233KS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 13/11/2009 Effective Date: 13/11/2009 Last date noted as effective: 2016-08-31 Status: Superseded
394B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: BP3336WB Original Permit Number: AP3733LE EPR Reference: - Issue Date: 11/12/2014 Effective Date: 11/12/2014 Last date noted as effective: 2016-08-31 Status: Effective
395B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: VP3431UF Original Permit Number: AP3733LE EPR Reference: - Issue Date: 2/11/2007 Effective Date: 2/11/2007 Last date noted as effective: 2016-08-31 Status: Superseded
396B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: KP3337MS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 4/4/2007 Effective Date: 4/4/2007 Last date noted as effective: 2016-08-31 Status: Superseded
397B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: KP3337MS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 4/4/2007 Effective Date: 4/4/2007 Last date noted as effective: 2016-08-31 Status: Superseded
398B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: ZP3639VC Original Permit Number: AP3733LE EPR Reference: - Issue Date: 3/4/2014 Effective Date: 3/4/2014 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details
399B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: WP3233KS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 13/11/2009 Effective Date: 13/11/2009 Last date noted as effective: 2016-08-31 Status: Superseded
400B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: ZP3639VC Original Permit Number: AP3733LE EPR Reference: - Issue Date: 3/4/2014 Effective Date: 3/4/2014 Last date noted as effective: 2016-08-31 Status: Superseded
401B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES Permit Number: LP3030HS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 25/10/2010 Effective Date: 25/10/2010 Last date noted as effective: 2016-08-31 Status: Superseded
402B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: BP3336WB Original Permit Number: AP3733LE EPR Reference: - Issue Date: 11/12/2014 Effective Date: 11/12/2014 Last date noted as effective: 2016-08-31 Status: Effective
403B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: LP3030HS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 25/10/2010 Effective Date: 25/10/2010 Last date noted as effective: 2016-08-31 Status: Superseded
404B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES Permit Number: KP3337MS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 4/4/2007 Effective Date: 4/4/2007 Last date noted as effective: 2016-08-31 Status: Superseded
405B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: WP3233KS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 13/11/2009 Effective Date: 13/11/2009 Last date noted as effective: 2016-08-31 Status: Superseded
406B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: KP3337MS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 4/4/2007 Effective Date: 4/4/2007 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details
407B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: ZP3639VC Original Permit Number: AP3733LE EPR Reference: - Issue Date: 3/4/2014 Effective Date: 3/4/2014 Last date noted as effective: 2016-08-31 Status: Superseded
408B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS Permit Number: ZP3639VC Original Permit Number: AP3733LE EPR Reference: - Issue Date: 3/4/2014 Effective Date: 3/4/2014 Last date noted as effective: 2016-08-31 Status: Superseded
409B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: ZP3639VC Original Permit Number: AP3733LE EPR Reference: - Issue Date: 3/4/2014 Effective Date: 3/4/2014 Last date noted as effective: 2016-08-31 Status: Superseded
410B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: LP3030HS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 25/10/2010 Effective Date: 25/10/2010 Last date noted as effective: 2016-08-31 Status: Superseded
411B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: KP3337MS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 4/4/2007 Effective Date: 4/4/2007 Last date noted as effective: 2016-08-31 Status: Superseded
412B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: KP3337MS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 4/4/2007 Effective Date: 4/4/2007 Last date noted as effective: 2016-08-31 Status: Superseded
413B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: ZP3639VC Original Permit Number: AP3733LE EPR Reference: - Issue Date: 3/4/2014 Effective Date: 3/4/2014 Last date noted as effective: 2016-08-31 Status: Superseded
414B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: WP3233KS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 13/11/2009 Effective Date: 13/11/2009 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details	
415B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS	Permit Number: WP3233KS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 13/11/2009 Effective Date: 13/11/2009 Last date noted as effective: 2016-08-31 Status: Superseded
416B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS	Permit Number: LP3030HS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 25/10/2010 Effective Date: 25/10/2010 Last date noted as effective: 2016-08-31 Status: Superseded
417B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT	Permit Number: WP3231XF Original Permit Number: AP3733LE EPR Reference: - Issue Date: 18/7/2008 Effective Date: 18/7/2008 Last date noted as effective: 2016-08-31 Status: Superseded
418B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: ZP3639VC Original Permit Number: AP3733LE EPR Reference: - Issue Date: 3/4/2014 Effective Date: 3/4/2014 Last date noted as effective: 2016-08-31 Status: Superseded
419B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS	Permit Number: GP3035CS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 1/3/2012 Effective Date: 1/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
420B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES	Permit Number: BP3336WB Original Permit Number: AP3733LE EPR Reference: - Issue Date: 11/12/2014 Effective Date: 11/12/2014 Last date noted as effective: 2016-08-31 Status: Effective
421B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT	Permit Number: KP3337MS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 4/4/2007 Effective Date: 4/4/2007 Last date noted as effective: 2016-08-31 Status: Superseded
422B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT	Permit Number: GP3035CS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 1/3/2012 Effective Date: 1/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details	
423B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: LP3030HS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 25/10/2010 Effective Date: 25/10/2010 Last date noted as effective: 2016-08-31 Status: Superseded
424B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES	Permit Number: BP3336WB Original Permit Number: AP3733LE EPR Reference: - Issue Date: 11/12/2014 Effective Date: 11/12/2014 Last date noted as effective: 2016-08-31 Status: Effective
425B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES	Permit Number: LP3030HS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 25/10/2010 Effective Date: 25/10/2010 Last date noted as effective: 2016-08-31 Status: Superseded
426B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT	Permit Number: VP3431UF Original Permit Number: AP3733LE EPR Reference: - Issue Date: 2/11/2007 Effective Date: 2/11/2007 Last date noted as effective: 2016-08-31 Status: Superseded
427B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: VP3431UF Original Permit Number: AP3733LE EPR Reference: - Issue Date: 2/11/2007 Effective Date: 2/11/2007 Last date noted as effective: 2016-08-31 Status: Superseded
428B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS	Permit Number: VP3431UF Original Permit Number: AP3733LE EPR Reference: - Issue Date: 2/11/2007 Effective Date: 2/11/2007 Last date noted as effective: 2016-08-31 Status: Superseded
429B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS	Permit Number: WP3233KS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 13/11/2009 Effective Date: 13/11/2009 Last date noted as effective: 2016-08-31 Status: Superseded
430B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES	Permit Number: VP3431UF Original Permit Number: AP3733LE EPR Reference: - Issue Date: 2/11/2007 Effective Date: 2/11/2007 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details	
431B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES	Permit Number: KP3337MS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 4/4/2007 Effective Date: 4/4/2007 Last date noted as effective: 2016-08-31 Status: Superseded
432B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS	Permit Number: VP3431UF Original Permit Number: AP3733LE EPR Reference: - Issue Date: 2/11/2007 Effective Date: 2/11/2007 Last date noted as effective: 2016-08-31 Status: Superseded
433B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES	Permit Number: GP3035CS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 1/3/2012 Effective Date: 1/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
434B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: KP3337MS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 4/4/2007 Effective Date: 4/4/2007 Last date noted as effective: 2016-08-31 Status: Superseded
435B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS	Permit Number: VP3431UF Original Permit Number: AP3733LE EPR Reference: - Issue Date: 2/11/2007 Effective Date: 2/11/2007 Last date noted as effective: 2016-08-31 Status: Superseded
436B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES	Permit Number: ZP3639VC Original Permit Number: AP3733LE EPR Reference: - Issue Date: 3/4/2014 Effective Date: 3/4/2014 Last date noted as effective: 2016-08-31 Status: Superseded
437B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS	Permit Number: BP3336WB Original Permit Number: AP3733LE EPR Reference: - Issue Date: 11/12/2014 Effective Date: 11/12/2014 Last date noted as effective: 2016-08-31 Status: Effective
438B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES	Permit Number: ZP3639VC Original Permit Number: AP3733LE EPR Reference: - Issue Date: 3/4/2014 Effective Date: 3/4/2014 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details
439B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: KP3337MS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 4/4/2007 Effective Date: 4/4/2007 Last date noted as effective: 2016-08-31 Status: Superseded
440B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: WP3233KS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 13/11/2009 Effective Date: 13/11/2009 Last date noted as effective: 2016-08-31 Status: Superseded
441B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: LP3030HS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 25/10/2010 Effective Date: 25/10/2010 Last date noted as effective: 2016-08-31 Status: Superseded
442B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: LP3030HS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 25/10/2010 Effective Date: 25/10/2010 Last date noted as effective: 2016-08-31 Status: Superseded
443B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: WP3233KS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 13/11/2009 Effective Date: 13/11/2009 Last date noted as effective: 2016-08-31 Status: Superseded
444B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: WP3231XF Original Permit Number: AP3733LE EPR Reference: - Issue Date: 18/7/2008 Effective Date: 18/7/2008 Last date noted as effective: 2016-08-31 Status: Superseded
445B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: WP3231XF Original Permit Number: AP3733LE EPR Reference: - Issue Date: 18/7/2008 Effective Date: 18/7/2008 Last date noted as effective: 2016-08-31 Status: Superseded
446B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: WP3231XF Original Permit Number: AP3733LE EPR Reference: - Issue Date: 18/7/2008 Effective Date: 18/7/2008 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details	
447B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES	Permit Number: VP3431UF Original Permit Number: AP3733LE EPR Reference: - Issue Date: 2/11/2007 Effective Date: 2/11/2007 Last date noted as effective: 2016-08-31 Status: Superseded
448B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS	Permit Number: BP3336WB Original Permit Number: AP3733LE EPR Reference: - Issue Date: 11/12/2014 Effective Date: 11/12/2014 Last date noted as effective: 2016-08-31 Status: Effective
449B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES	Permit Number: WP3231XF Original Permit Number: AP3733LE EPR Reference: - Issue Date: 18/7/2008 Effective Date: 18/7/2008 Last date noted as effective: 2016-08-31 Status: Superseded
450B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS	Permit Number: LP3030HS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 25/10/2010 Effective Date: 25/10/2010 Last date noted as effective: 2016-08-31 Status: Superseded
451B	152	S	414540 416890	Operator: Lubrizol Ltd Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS	Permit Number: KP3337MS Original Permit Number: AP3733LE EPR Reference: - Issue Date: 4/4/2007 Effective Date: 4/4/2007 Last date noted as effective: 2016-08-31 Status: Superseded
452C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS	Permit Number: UP3138LT Original Permit Number: UP3138LT EPR Reference: - Issue Date: 6/12/2006 Effective Date: 6/12/2006 Last date noted as effective: 2016-08-31 Status: Superseded
453C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS	Permit Number: XP3135CY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/3/2012 Effective Date: 1/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
454C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES	Permit Number: MP3032FU Original Permit Number: UP3138LT EPR Reference: - Issue Date: 23/6/2011 Effective Date: 23/6/2011 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details
455C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: UP3138LT Original Permit Number: UP3138LT EPR Reference: - Issue Date: 6/12/2006 Effective Date: 6/12/2006 Last date noted as effective: 2016-08-31 Status: Superseded
456C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW Permit Number: NP3535EY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 18/12/2013 Effective Date: 18/12/2013 Last date noted as effective: 2016-08-31 Status: Superseded
457C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: UP3138LT Original Permit Number: UP3138LT EPR Reference: - Issue Date: 6/12/2006 Effective Date: 6/12/2006 Last date noted as effective: 2016-08-31 Status: Superseded
458C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: NP3535EY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 18/12/2013 Effective Date: 18/12/2013 Last date noted as effective: 2016-08-31 Status: Superseded
459C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: UP3138LT Original Permit Number: UP3138LT EPR Reference: - Issue Date: 6/12/2006 Effective Date: 6/12/2006 Last date noted as effective: 2016-08-31 Status: Superseded
460C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: NP3535EY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 18/12/2013 Effective Date: 18/12/2013 Last date noted as effective: 2016-08-31 Status: Superseded
461C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES Permit Number: UP3138LT Original Permit Number: UP3138LT EPR Reference: - Issue Date: 6/12/2006 Effective Date: 6/12/2006 Last date noted as effective: 2016-08-31 Status: Superseded
462C	181	S	414540 416860	Operator: Npil Pharmaceuticals (uk) Limited Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES Permit Number: BP3238XM Original Permit Number: UP3738LY EPR Reference: - Issue Date: 26/3/2008 Effective Date: 26/3/2008 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details
463C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: NP3535EY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 18/12/2013 Effective Date: 18/12/2013 Last date noted as effective: 2016-08-31 Status: Superseded
464C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: NP3535EY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 18/12/2013 Effective Date: 18/12/2013 Last date noted as effective: 2016-08-31 Status: Superseded
465C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: UP3138LT Original Permit Number: UP3138LT EPR Reference: - Issue Date: 6/12/2006 Effective Date: 6/12/2006 Last date noted as effective: 2016-08-31 Status: Superseded
466C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES Permit Number: NP3535EY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 18/12/2013 Effective Date: 18/12/2013 Last date noted as effective: 2016-08-31 Status: Superseded
467C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: FP3538CW Original Permit Number: UP3138LT EPR Reference: - Issue Date: 14/3/2012 Effective Date: 14/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
468C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: NP3535EY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 18/12/2013 Effective Date: 18/12/2013 Last date noted as effective: 2016-08-31 Status: Superseded
469C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: UP3138LT Original Permit Number: UP3138LT EPR Reference: - Issue Date: 6/12/2006 Effective Date: 6/12/2006 Last date noted as effective: 2016-08-31 Status: Superseded
470C	181	S	414540 416860	Operator: Piramal Healthcare Uk Limited Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: CP3738GJ Original Permit Number: UP3738LY EPR Reference: - Issue Date: 1/12/2008 Effective Date: 1/12/2008 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details	
471C	181	S	414540 416860	Operator: Piramal Healthcare Uk Limited Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES	Permit Number: CP3738GJ Original Permit Number: UP3738LY EPR Reference: - Issue Date: 1/12/2008 Effective Date: 1/12/2008 Last date noted as effective: 2016-08-31 Status: Superseded
472C	181	S	414540 416860	Operator: Piramal Healthcare Uk Limited Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES	Permit Number: CP3738GJ Original Permit Number: UP3738LY EPR Reference: - Issue Date: 1/12/2008 Effective Date: 1/12/2008 Last date noted as effective: 2016-08-31 Status: Superseded
473C	181	S	414540 416860	Operator: Piramal Healthcare Uk Limited Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS	Permit Number: CP3738GJ Original Permit Number: UP3738LY EPR Reference: - Issue Date: 1/12/2008 Effective Date: 1/12/2008 Last date noted as effective: 2016-08-31 Status: Superseded
474C	181	S	414540 416860	Operator: Piramal Healthcare Uk Limited Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES	Permit Number: CP3738GJ Original Permit Number: UP3738LY EPR Reference: - Issue Date: 1/12/2008 Effective Date: 1/12/2008 Last date noted as effective: 2016-08-31 Status: Superseded
475C	181	S	414540 416860	Operator: Piramal Healthcare Uk Limited Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES	Permit Number: CP3738GJ Original Permit Number: UP3738LY EPR Reference: - Issue Date: 1/12/2008 Effective Date: 1/12/2008 Last date noted as effective: 2016-08-31 Status: Superseded
476C	181	S	414540 416860	Operator: Piramal Healthcare Uk Limited Installation Name: Huddersfield Chemical Industry Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES	Permit Number: CP3738GJ Original Permit Number: UP3738LY EPR Reference: - Issue Date: 1/12/2008 Effective Date: 1/12/2008 Last date noted as effective: 2016-08-31 Status: Superseded
477C	181	S	414540 416860	Operator: Piramal Healthcare Uk Limited Installation Name: Huddersfield Chemical Industry Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT	Permit Number: CP3738GJ Original Permit Number: UP3738LY EPR Reference: - Issue Date: 1/12/2008 Effective Date: 1/12/2008 Last date noted as effective: 2016-08-31 Status: Superseded
478C	181	S	414540 416860	Operator: Piramal Healthcare Uk Limited Installation Name: Huddersfield Chemical Industry Process: SOLVENT EMISSIONS DIRECTIVE; ACTIVITIES EXCEEDING SOLVENT THRESHOLD	Permit Number: CP3738GJ Original Permit Number: UP3738LY EPR Reference: - Issue Date: 1/12/2008 Effective Date: 1/12/2008 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details	
479C	181	S	414540 416860	Operator: Piramal Healthcare Uk Limited Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS	Permit Number: CP3738GJ Original Permit Number: UP3738LY EPR Reference: - Issue Date: 1/12/2008 Effective Date: 1/12/2008 Last date noted as effective: 2016-08-31 Status: Superseded
480C	181	S	414540 416860	Operator: Piramal Healthcare Uk Limited Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: CP3738GJ Original Permit Number: UP3738LY EPR Reference: - Issue Date: 1/12/2008 Effective Date: 1/12/2008 Last date noted as effective: 2016-08-31 Status: Superseded
481C	181	S	414540 416860	Operator: Npil Pharmaceuticals (uk) Limited Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS	Permit Number: UP3738LY Original Permit Number: UP3738LY EPR Reference: - Issue Date: 20/12/2006 Effective Date: 20/12/2006 Last date noted as effective: 2016-08-31 Status: Superseded
482C	181	S	414540 416860	Operator: Npil Pharmaceuticals (uk) Limited Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES	Permit Number: UP3738LY Original Permit Number: UP3738LY EPR Reference: - Issue Date: 20/12/2006 Effective Date: 20/12/2006 Last date noted as effective: 2016-08-31 Status: Superseded
483C	181	S	414540 416860	Operator: Npil Pharmaceuticals (uk) Limited Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES	Permit Number: UP3738LY Original Permit Number: UP3738LY EPR Reference: - Issue Date: 20/12/2006 Effective Date: 20/12/2006 Last date noted as effective: 2016-08-31 Status: Superseded
484C	181	S	414540 416860	Operator: Npil Pharmaceuticals (uk) Limited Installation Name: Huddersfield Chemical Industry Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES	Permit Number: UP3738LY Original Permit Number: UP3738LY EPR Reference: - Issue Date: 20/12/2006 Effective Date: 20/12/2006 Last date noted as effective: 2016-08-31 Status: Superseded
485C	181	S	414540 416860	Operator: Npil Pharmaceuticals (uk) Limited Installation Name: Huddersfield Chemical Industry Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT	Permit Number: UP3738LY Original Permit Number: UP3738LY EPR Reference: - Issue Date: 20/12/2006 Effective Date: 20/12/2006 Last date noted as effective: 2016-08-31 Status: Superseded
486C	181	S	414540 416860	Operator: Npil Pharmaceuticals (uk) Limited Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS	Permit Number: UP3738LY Original Permit Number: UP3738LY EPR Reference: - Issue Date: 20/12/2006 Effective Date: 20/12/2006 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details	
487C	181	S	414540 416860	Operator: Npil Pharmaceuticals (uk) Limited Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: UP3738LY Original Permit Number: UP3738LY EPR Reference: - Issue Date: 20/12/2006 Effective Date: 20/12/2006 Last date noted as effective: 2016-08-31 Status: Superceded
488C	181	S	414540 416860	Operator: Npil Pharmaceuticals (uk) Limited Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS	Permit Number: UP3738LY Original Permit Number: UP3738LY EPR Reference: - Issue Date: 20/12/2006 Effective Date: 20/12/2006 Last date noted as effective: 2016-08-31 Status: Superceded
489C	181	S	414540 416860	Operator: Npil Pharmaceuticals (uk) Limited Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES	Permit Number: UP3738LY Original Permit Number: UP3738LY EPR Reference: - Issue Date: 20/12/2006 Effective Date: 20/12/2006 Last date noted as effective: 2016-08-31 Status: Superceded
490C	181	S	414540 416860	Operator: Npil Pharmaceuticals (uk) Limited Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES	Permit Number: UP3738LY Original Permit Number: UP3738LY EPR Reference: - Issue Date: 20/12/2006 Effective Date: 20/12/2006 Last date noted as effective: 2016-08-31 Status: Superceded
491C	181	S	414540 416860	Operator: Piramal Healthcare Uk Limited Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS	Permit Number: VP3033KY Original Permit Number: UP3738LY EPR Reference: - Issue Date: - Effective Date: 30/9/2009 Last date noted as effective: 2016-08-31 Status: Surrender Effective
492C	181	S	414540 416860	Operator: Piramal Healthcare Uk Limited Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES	Permit Number: VP3033KY Original Permit Number: UP3738LY EPR Reference: - Issue Date: - Effective Date: 30/9/2009 Last date noted as effective: 2016-08-31 Status: Surrender Effective
493C	181	S	414540 416860	Operator: Piramal Healthcare Uk Limited Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES	Permit Number: VP3033KY Original Permit Number: UP3738LY EPR Reference: - Issue Date: - Effective Date: 30/9/2009 Last date noted as effective: 2016-08-31 Status: Surrender Effective
494C	181	S	414540 416860	Operator: Piramal Healthcare Uk Limited Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS	Permit Number: VP3033KY Original Permit Number: UP3738LY EPR Reference: - Issue Date: - Effective Date: 30/9/2009 Last date noted as effective: 2016-08-31 Status: Surrender Effective

ID	Distance (m)	Direction	NGR	Details	
495C	181	S	414540 416860	Operator: Piramal Healthcare Uk Limited Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES	Permit Number: VP3033KY Original Permit Number: UP3738LY EPR Reference: - Issue Date: - Effective Date: 30/9/2009 Last date noted as effective: 2016-08-31 Status: Surrender Effective
496C	181	S	414540 416860	Operator: Piramal Healthcare Uk Limited Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES	Permit Number: VP3033KY Original Permit Number: UP3738LY EPR Reference: - Issue Date: - Effective Date: 30/9/2009 Last date noted as effective: 2016-08-31 Status: Surrender Effective
497C	181	S	414540 416860	Operator: Piramal Healthcare Uk Limited Installation Name: Huddersfield Chemical Industry Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES	Permit Number: VP3033KY Original Permit Number: UP3738LY EPR Reference: - Issue Date: - Effective Date: 30/9/2009 Last date noted as effective: 2016-08-31 Status: Surrender Effective
498C	181	S	414540 416860	Operator: Piramal Healthcare Uk Limited Installation Name: Huddersfield Chemical Industry Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT	Permit Number: VP3033KY Original Permit Number: UP3738LY EPR Reference: - Issue Date: - Effective Date: 30/9/2009 Last date noted as effective: 2016-08-31 Status: Surrender Effective
499C	181	S	414540 416860	Operator: Piramal Healthcare Uk Limited Installation Name: Huddersfield Chemical Industry Process: SOLVENT EMISSIONS DIRECTIVE; ACTIVITIES EXCEEDING SOLVENT THRESHOLD	Permit Number: VP3033KY Original Permit Number: UP3738LY EPR Reference: - Issue Date: - Effective Date: 30/9/2009 Last date noted as effective: 2016-08-31 Status: Surrender Effective
500C	181	S	414540 416860	Operator: Piramal Healthcare Uk Limited Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS	Permit Number: VP3033KY Original Permit Number: UP3738LY EPR Reference: - Issue Date: - Effective Date: 30/9/2009 Last date noted as effective: 2016-08-31 Status: Surrender Effective
501C	181	S	414540 416860	Operator: Piramal Healthcare Uk Limited Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: VP3033KY Original Permit Number: UP3738LY EPR Reference: - Issue Date: - Effective Date: 30/9/2009 Last date noted as effective: 2016-08-31 Status: Surrender Effective
502C	181	S	414540 416860	Operator: Cofely Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: WP3633CS Original Permit Number: WP3633CS EPR Reference: - Issue Date: 23/1/2012 Effective Date: 23/1/2012 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details
503C	181	S	414540 416860	Operator: Cofely Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW Permit Number: WP3633CS Original Permit Number: WP3633CS EPR Reference: - Issue Date: 23/1/2012 Effective Date: 23/1/2012 Last date noted as effective: 2016-08-31 Status: Superseded
504C	181	S	414540 416860	Operator: Arch Timber Protection Limited Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS Permit Number: XP3533WY Original Permit Number: XP3533WY EPR Reference: - Issue Date: 15/12/2014 Effective Date: 15/12/2014 Last date noted as effective: 2016-08-31 Status: Transfer Effective
505C	181	S	414540 416860	Operator: Arch Timber Protection Limited Installation Name: Huddersfield Chemical Industry Process: INORGANIC CHEMICALS; SALTS EG AMMONIUM CHLORIDE Permit Number: XP3533WY Original Permit Number: XP3533WY EPR Reference: - Issue Date: 15/12/2014 Effective Date: 15/12/2014 Last date noted as effective: 2016-08-31 Status: Transfer Effective
506C	181	S	414540 416860	Operator: Arch Uk Biocides Limited Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS Permit Number: GP3835CA Original Permit Number: RP3333LP EPR Reference: - Issue Date: 1/3/2012 Effective Date: 1/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
507C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS Permit Number: HP3137UL Original Permit Number: UP3138LT EPR Reference: - Issue Date: 2/11/2007 Effective Date: 2/11/2007 Last date noted as effective: 2016-08-31 Status: Superseded
508C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: HP3137UL Original Permit Number: UP3138LT EPR Reference: - Issue Date: 2/11/2007 Effective Date: 2/11/2007 Last date noted as effective: 2016-08-31 Status: Superseded
509C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: HP3137UL Original Permit Number: UP3138LT EPR Reference: - Issue Date: 2/11/2007 Effective Date: 2/11/2007 Last date noted as effective: 2016-08-31 Status: Superseded
510C	181	S	414540 416860	Operator: Arch Uk Biocides Limited Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS Permit Number: BP3439VK Original Permit Number: RP3333LP EPR Reference: - Issue Date: 20/2/2014 Effective Date: 20/2/2014 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details	
511C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES	Permit Number: CP3733NR Original Permit Number: UP3138LT EPR Reference: - Issue Date: 30/5/2013 Effective Date: 30/5/2013 Last date noted as effective: 2016-08-31 Status: Superseded
512C	181	S	414540 416860	Operator: Lubrizol Limited Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: AP3733LE Original Permit Number: AP3733LE EPR Reference: - Issue Date: 18/12/2006 Effective Date: 18/12/2006 Last date noted as effective: 2016-08-31 Status: Superseded
513C	181	S	414540 416860	Operator: Lubrizol Limited Installation Name: Huddersfield Chemical Industry Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT	Permit Number: AP3733LE Original Permit Number: AP3733LE EPR Reference: - Issue Date: 18/12/2006 Effective Date: 18/12/2006 Last date noted as effective: 2016-08-31 Status: Superseded
514C	181	S	414540 416860	Operator: Syngenta Limited Installation Name: Huddersfield Chemical Industry Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES	Permit Number: HP3539DJ Original Permit Number: UP3138LT EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 2016-08-31 Status: Determination
515C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES	Permit Number: HP3137UL Original Permit Number: UP3138LT EPR Reference: - Issue Date: 2/11/2007 Effective Date: 2/11/2007 Last date noted as effective: 2016-08-31 Status: Superseded
516C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS	Permit Number: CP3733NR Original Permit Number: UP3138LT EPR Reference: - Issue Date: 30/5/2013 Effective Date: 30/5/2013 Last date noted as effective: 2016-08-31 Status: Superseded
517C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES	Permit Number: HP3137UL Original Permit Number: UP3138LT EPR Reference: - Issue Date: 2/11/2007 Effective Date: 2/11/2007 Last date noted as effective: 2016-08-31 Status: Superseded
518C	181	S	414540 416860	Operator: Lubrizol Limited Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS	Permit Number: AP3733LE Original Permit Number: AP3733LE EPR Reference: - Issue Date: 18/12/2006 Effective Date: 18/12/2006 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details
519C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: HP3137UL Original Permit Number: UP3138LT EPR Reference: - Issue Date: 2/11/2007 Effective Date: 2/11/2007 Last date noted as effective: 2016-08-31 Status: Superseded
520C	181	S	414540 416860	Operator: Arch Uk Biocides Limited Installation Name: Huddersfield Chemical Industry Process: INORGANIC CHEMICALS; SALTS EG AMMONIUM CHLORIDE Permit Number: GP3835CA Original Permit Number: RP3333LP EPR Reference: - Issue Date: 1/3/2012 Effective Date: 1/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
521C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: HP3137UL Original Permit Number: UP3138LT EPR Reference: - Issue Date: 2/11/2007 Effective Date: 2/11/2007 Last date noted as effective: 2016-08-31 Status: Superseded
522C	181	S	414540 416860	Operator: Arch Uk Biocides Limited Installation Name: Huddersfield Chemical Industry Process: INORGANIC CHEMICALS; SALTS EG AMMONIUM CHLORIDE Permit Number: SP3436UA Original Permit Number: RP3333LP EPR Reference: - Issue Date: 2/11/2007 Effective Date: 2/11/2007 Last date noted as effective: 2016-08-31 Status: Superseded
523C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: HP3137UL Original Permit Number: UP3138LT EPR Reference: - Issue Date: 2/11/2007 Effective Date: 2/11/2007 Last date noted as effective: 2016-08-31 Status: Superseded
524C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: CP3733NR Original Permit Number: UP3138LT EPR Reference: - Issue Date: 30/5/2013 Effective Date: 30/5/2013 Last date noted as effective: 2016-08-31 Status: Superseded
525C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: HP3137UL Original Permit Number: UP3138LT EPR Reference: - Issue Date: 2/11/2007 Effective Date: 2/11/2007 Last date noted as effective: 2016-08-31 Status: Superseded
526C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: CP3733NR Original Permit Number: UP3138LT EPR Reference: - Issue Date: 30/5/2013 Effective Date: 30/5/2013 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details
527C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: HP3137UL Original Permit Number: UP3138LT EPR Reference: - Issue Date: 2/11/2007 Effective Date: 2/11/2007 Last date noted as effective: 2016-08-31 Status: Superseded
528C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: CP3733NR Original Permit Number: UP3138LT EPR Reference: - Issue Date: 30/5/2013 Effective Date: 30/5/2013 Last date noted as effective: 2016-08-31 Status: Superseded
529C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: HP3137UL Original Permit Number: UP3138LT EPR Reference: - Issue Date: 2/11/2007 Effective Date: 2/11/2007 Last date noted as effective: 2016-08-31 Status: Superseded
530C	181	S	414540 416860	Operator: Lubrizol Limited Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: AP3733LE Original Permit Number: AP3733LE EPR Reference: - Issue Date: 18/12/2006 Effective Date: 18/12/2006 Last date noted as effective: 2016-08-31 Status: Superseded
531C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: GP3439VZ Original Permit Number: UP3138LT EPR Reference: - Issue Date: 21/2/2014 Effective Date: 21/2/2014 Last date noted as effective: 2016-08-31 Status: Superseded
532C	181	S	414540 416860	Operator: Lubrizol Limited Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: AP3733LE Original Permit Number: AP3733LE EPR Reference: - Issue Date: 18/12/2006 Effective Date: 18/12/2006 Last date noted as effective: 2016-08-31 Status: Superseded
533C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: GP3439VZ Original Permit Number: UP3138LT EPR Reference: - Issue Date: 21/2/2014 Effective Date: 21/2/2014 Last date noted as effective: 2016-08-31 Status: Superseded
534C	181	S	414540 416860	Operator: Lubrizol Limited Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: AP3733LE Original Permit Number: AP3733LE EPR Reference: - Issue Date: 18/12/2006 Effective Date: 18/12/2006 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details	
535C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES	Permit Number: GP3439VZ Original Permit Number: UP3138LT EPR Reference: - Issue Date: 21/2/2014 Effective Date: 21/2/2014 Last date noted as effective: 2016-08-31 Status: Superseded
536C	181	S	414540 416860	Operator: Arch Uk Biocides Limited Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES	Permit Number: GP3835CA Original Permit Number: RP3333LP EPR Reference: - Issue Date: 1/3/2012 Effective Date: 1/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
537C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES	Permit Number: GP3439VZ Original Permit Number: UP3138LT EPR Reference: - Issue Date: 21/2/2014 Effective Date: 21/2/2014 Last date noted as effective: 2016-08-31 Status: Superseded
538C	181	S	414540 416860	Operator: Arch Uk Biocides Limited Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS	Permit Number: WP3533KK Original Permit Number: RP3333LP EPR Reference: - Issue Date: 13/11/2009 Effective Date: 13/11/2009 Last date noted as effective: 2016-08-31 Status: Superseded
539C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES	Permit Number: GP3439VZ Original Permit Number: UP3138LT EPR Reference: - Issue Date: 21/2/2014 Effective Date: 21/2/2014 Last date noted as effective: 2016-08-31 Status: Superseded
540C	181	S	414540 416860	Operator: Arch Uk Biocides Limited Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES	Permit Number: SP3436UA Original Permit Number: RP3333LP EPR Reference: - Issue Date: 2/11/2007 Effective Date: 2/11/2007 Last date noted as effective: 2016-08-31 Status: Superseded
541C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS	Permit Number: GP3439VZ Original Permit Number: UP3138LT EPR Reference: - Issue Date: 21/2/2014 Effective Date: 21/2/2014 Last date noted as effective: 2016-08-31 Status: Superseded
542C	181	S	414540 416860	Operator: Syngenta Limited Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS	Permit Number: HP3539DJ Original Permit Number: UP3138LT EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 2016-08-31 Status: Determination

ID	Distance (m)	Direction	NGR	Details
543C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: GP3439VZ Original Permit Number: UP3138LT EPR Reference: - Issue Date: 21/2/2014 Effective Date: 21/2/2014 Last date noted as effective: 2016-08-31 Status: Superseded
544C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: CP3733NR Original Permit Number: UP3138LT EPR Reference: - Issue Date: 30/5/2013 Effective Date: 30/5/2013 Last date noted as effective: 2016-08-31 Status: Superseded
545C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: GP3439VZ Original Permit Number: UP3138LT EPR Reference: - Issue Date: 21/2/2014 Effective Date: 21/2/2014 Last date noted as effective: 2016-08-31 Status: Superseded
546C	181	S	414540 416860	Operator: Syngenta Limited Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW Permit Number: HP3539DJ Original Permit Number: UP3138LT EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 2016-08-31 Status: Determination
547C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: CP3733NR Original Permit Number: UP3138LT EPR Reference: - Issue Date: 30/5/2013 Effective Date: 30/5/2013 Last date noted as effective: 2016-08-31 Status: Superseded
548C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: GP3439VZ Original Permit Number: UP3138LT EPR Reference: - Issue Date: 21/2/2014 Effective Date: 21/2/2014 Last date noted as effective: 2016-08-31 Status: Superseded
549C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: CP3733NR Original Permit Number: UP3138LT EPR Reference: - Issue Date: 30/5/2013 Effective Date: 30/5/2013 Last date noted as effective: 2016-08-31 Status: Superseded
550C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: GP3439VZ Original Permit Number: UP3138LT EPR Reference: - Issue Date: 21/2/2014 Effective Date: 21/2/2014 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details	
551C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES	Permit Number: CP3733NR Original Permit Number: UP3138LT EPR Reference: - Issue Date: 30/5/2013 Effective Date: 30/5/2013 Last date noted as effective: 2016-08-31 Status: Superseded
552C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: GP3439VZ Original Permit Number: UP3138LT EPR Reference: - Issue Date: 21/2/2014 Effective Date: 21/2/2014 Last date noted as effective: 2016-08-31 Status: Superseded
553C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS	Permit Number: CP3733NR Original Permit Number: UP3138LT EPR Reference: - Issue Date: 30/5/2013 Effective Date: 30/5/2013 Last date noted as effective: 2016-08-31 Status: Superseded
554C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS	Permit Number: GP3439VZ Original Permit Number: UP3138LT EPR Reference: - Issue Date: 21/2/2014 Effective Date: 21/2/2014 Last date noted as effective: 2016-08-31 Status: Superseded
555C	181	S	414540 416860	Operator: Lubrizol Limited Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES	Permit Number: AP3733LE Original Permit Number: AP3733LE EPR Reference: - Issue Date: 18/12/2006 Effective Date: 18/12/2006 Last date noted as effective: 2016-08-31 Status: Superseded
556C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES	Permit Number: FP3538CW Original Permit Number: UP3138LT EPR Reference: - Issue Date: 14/3/2012 Effective Date: 14/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
557C	181	S	414540 416860	Operator: Lubrizol Limited Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES	Permit Number: AP3733LE Original Permit Number: AP3733LE EPR Reference: - Issue Date: 18/12/2006 Effective Date: 18/12/2006 Last date noted as effective: 2016-08-31 Status: Superseded
558C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS	Permit Number: FP3538CW Original Permit Number: UP3138LT EPR Reference: - Issue Date: 14/3/2012 Effective Date: 14/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details	
559C	181	S	414540 416860	Operator: Lubrizol Limited Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES	Permit Number: AP3733LE Original Permit Number: AP3733LE EPR Reference: - Issue Date: 18/12/2006 Effective Date: 18/12/2006 Last date noted as effective: 2016-08-31 Status: Superseded
560C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: FP3538CW Original Permit Number: UP3138LT EPR Reference: - Issue Date: 14/3/2012 Effective Date: 14/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
561C	181	S	414540 416860	Operator: Lubrizol Limited Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS	Permit Number: AP3733LE Original Permit Number: AP3733LE EPR Reference: - Issue Date: 18/12/2006 Effective Date: 18/12/2006 Last date noted as effective: 2016-08-31 Status: Superseded
562C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS	Permit Number: FP3538CW Original Permit Number: UP3138LT EPR Reference: - Issue Date: 14/3/2012 Effective Date: 14/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
563C	181	S	414540 416860	Operator: Lubrizol Limited Installation Name: Huddersfield Chemical Industry Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES	Permit Number: AP3733LE Original Permit Number: AP3733LE EPR Reference: - Issue Date: 18/12/2006 Effective Date: 18/12/2006 Last date noted as effective: 2016-08-31 Status: Superseded
564C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT	Permit Number: FP3538CW Original Permit Number: UP3138LT EPR Reference: - Issue Date: 14/3/2012 Effective Date: 14/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
565C	181	S	414540 416860	Operator: Syngenta Limited Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES	Permit Number: HP3539DJ Original Permit Number: UP3138LT EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 2016-08-31 Status: Determination
566C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT	Permit Number: NP3535EY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 18/12/2013 Effective Date: 18/12/2013 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details	
567C	181	S	414540 416860	Operator: Syngenta Limited Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES	Permit Number: HP3539DJ Original Permit Number: UP3138LT EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 2016-08-31 Status: Determination
568C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS	Permit Number: PP3636WY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 11/12/2014 Effective Date: 11/12/2014 Last date noted as effective: 2016-08-31 Status: Effective
569C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES	Permit Number: XP3135CY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/3/2012 Effective Date: 1/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
570C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES	Permit Number: PP3636WY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 11/12/2014 Effective Date: 11/12/2014 Last date noted as effective: 2016-08-31 Status: Effective
571C	181	S	414540 416860	Operator: Npil Pharmaceuticals (uk) Limited Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES	Permit Number: BP3238XM Original Permit Number: UP3738LY EPR Reference: - Issue Date: 26/3/2008 Effective Date: 26/3/2008 Last date noted as effective: 2016-08-31 Status: Superseded
572C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES	Permit Number: PP3636WY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 11/12/2014 Effective Date: 11/12/2014 Last date noted as effective: 2016-08-31 Status: Effective
573C	181	S	414540 416860	Operator: Npil Pharmaceuticals (uk) Limited Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS	Permit Number: BP3238XM Original Permit Number: UP3738LY EPR Reference: - Issue Date: 26/3/2008 Effective Date: 26/3/2008 Last date noted as effective: 2016-08-31 Status: Superseded
574C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS	Permit Number: PP3636WY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 11/12/2014 Effective Date: 11/12/2014 Last date noted as effective: 2016-08-31 Status: Effective

ID	Distance (m)	Direction	NGR	Details	
575C	181	S	414540 416860	Operator: Npil Pharmaceuticals (uk) Limited Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES	Permit Number: BP3238XM Original Permit Number: UP3738LY EPR Reference: - Issue Date: 26/3/2008 Effective Date: 26/3/2008 Last date noted as effective: 2016-08-31 Status: Superseded
576C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS	Permit Number: PP3636WY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 11/12/2014 Effective Date: 11/12/2014 Last date noted as effective: 2016-08-31 Status: Effective
577C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES	Permit Number: HP3639FS Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/12/2011 Effective Date: 1/12/2011 Last date noted as effective: 2016-08-31 Status: Superseded
578C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES	Permit Number: PP3636WY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 11/12/2014 Effective Date: 11/12/2014 Last date noted as effective: 2016-08-31 Status: Effective
579C	181	S	414540 416860	Operator: Syngenta Limited Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS	Permit Number: HP3539DJ Original Permit Number: UP3138LT EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 2016-08-31 Status: Determination
580C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES	Permit Number: PP3636WY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 11/12/2014 Effective Date: 11/12/2014 Last date noted as effective: 2016-08-31 Status: Effective
581C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS	Permit Number: MP3032FU Original Permit Number: UP3138LT EPR Reference: - Issue Date: 23/6/2011 Effective Date: 23/6/2011 Last date noted as effective: 2016-08-31 Status: Superseded
582C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES	Permit Number: PP3636WY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 11/12/2014 Effective Date: 11/12/2014 Last date noted as effective: 2016-08-31 Status: Effective

ID	Distance (m)	Direction	NGR	Details	
583C	181	S	414540 416860	Operator: Npil Pharmaceuticals (uk) Limited Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES	Permit Number: BP3238XM Original Permit Number: UP3738LY EPR Reference: - Issue Date: 26/3/2008 Effective Date: 26/3/2008 Last date noted as effective: 2016-08-31 Status: Superseded
584C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES	Permit Number: PP3636WY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 11/12/2014 Effective Date: 11/12/2014 Last date noted as effective: 2016-08-31 Status: Effective
585C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS	Permit Number: NP3535EY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 18/12/2013 Effective Date: 18/12/2013 Last date noted as effective: 2016-08-31 Status: Superseded
586C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT	Permit Number: PP3636WY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 11/12/2014 Effective Date: 11/12/2014 Last date noted as effective: 2016-08-31 Status: Effective
587C	181	S	414540 416860	Operator: Npil Pharmaceuticals (uk) Limited Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS	Permit Number: BP3238XM Original Permit Number: UP3738LY EPR Reference: - Issue Date: 26/3/2008 Effective Date: 26/3/2008 Last date noted as effective: 2016-08-31 Status: Superseded
588C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS	Permit Number: PP3636WY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 11/12/2014 Effective Date: 11/12/2014 Last date noted as effective: 2016-08-31 Status: Effective
589C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS	Permit Number: MP3032FU Original Permit Number: UP3138LT EPR Reference: - Issue Date: 23/6/2011 Effective Date: 23/6/2011 Last date noted as effective: 2016-08-31 Status: Superseded
590C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: PP3636WY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 11/12/2014 Effective Date: 11/12/2014 Last date noted as effective: 2016-08-31 Status: Effective

ID	Distance (m)	Direction	NGR	Details	
591C	181	S	414540 416860	Operator: Npil Pharmaceuticals (uk) Limited Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: BP3238XM Original Permit Number: UP3738LY EPR Reference: - Issue Date: 26/3/2008 Effective Date: 26/3/2008 Last date noted as effective: 2016-08-31 Status: Superceded
592C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES	Permit Number: SP3037KS Original Permit Number: UP3138LT EPR Reference: - Issue Date: 14/1/2010 Effective Date: 14/1/2010 Last date noted as effective: 2016-08-31 Status: Superceded
593C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS	Permit Number: XP3135CY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/3/2012 Effective Date: 1/3/2012 Last date noted as effective: 2016-08-31 Status: Superceded
594C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES	Permit Number: SP3037KS Original Permit Number: UP3138LT EPR Reference: - Issue Date: 14/1/2010 Effective Date: 14/1/2010 Last date noted as effective: 2016-08-31 Status: Superceded
595C	181	S	414540 416860	Operator: Npil Pharmaceuticals (uk) Limited Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS	Permit Number: BP3238XM Original Permit Number: UP3738LY EPR Reference: - Issue Date: 26/3/2008 Effective Date: 26/3/2008 Last date noted as effective: 2016-08-31 Status: Superceded
596C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES	Permit Number: SP3037KS Original Permit Number: UP3138LT EPR Reference: - Issue Date: 14/1/2010 Effective Date: 14/1/2010 Last date noted as effective: 2016-08-31 Status: Superceded
597C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES	Permit Number: WP3333KM Original Permit Number: UP3138LT EPR Reference: - Issue Date: 13/11/2009 Effective Date: 13/11/2009 Last date noted as effective: 2016-08-31 Status: Superceded
598C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT	Permit Number: SP3037KS Original Permit Number: UP3138LT EPR Reference: - Issue Date: 14/1/2010 Effective Date: 14/1/2010 Last date noted as effective: 2016-08-31 Status: Superceded

ID	Distance (m)	Direction	NGR	Details	
599C	181	S	414540 416860	Operator: Npil Pharmaceuticals (uk) Limited Installation Name: Huddersfield Chemical Industry Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT	Permit Number: BP3238XM Original Permit Number: UP3738LY EPR Reference: - Issue Date: 26/3/2008 Effective Date: 26/3/2008 Last date noted as effective: 2016-08-31 Status: Superseded
600C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS	Permit Number: SP3037KS Original Permit Number: UP3138LT EPR Reference: - Issue Date: 14/1/2010 Effective Date: 14/1/2010 Last date noted as effective: 2016-08-31 Status: Superseded
601C	181	S	414540 416860	Operator: Arch Uk Biocides Limited Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS	Permit Number: SP3436UA Original Permit Number: RP3333LP EPR Reference: - Issue Date: 2/11/2007 Effective Date: 2/11/2007 Last date noted as effective: 2016-08-31 Status: Superseded
602C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: SP3037KS Original Permit Number: UP3138LT EPR Reference: - Issue Date: 14/1/2010 Effective Date: 14/1/2010 Last date noted as effective: 2016-08-31 Status: Superseded
603C	181	S	414540 416860	Operator: Npil Pharmaceuticals (uk) Limited Installation Name: Huddersfield Chemical Industry Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES	Permit Number: BP3238XM Original Permit Number: UP3738LY EPR Reference: - Issue Date: 26/3/2008 Effective Date: 26/3/2008 Last date noted as effective: 2016-08-31 Status: Superseded
604C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS	Permit Number: SP3037KS Original Permit Number: UP3138LT EPR Reference: - Issue Date: 14/1/2010 Effective Date: 14/1/2010 Last date noted as effective: 2016-08-31 Status: Superseded
605C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS	Permit Number: NP3535EY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 18/12/2013 Effective Date: 18/12/2013 Last date noted as effective: 2016-08-31 Status: Superseded
606C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES	Permit Number: SP3037KS Original Permit Number: UP3138LT EPR Reference: - Issue Date: 14/1/2010 Effective Date: 14/1/2010 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details	
607C	181	S	414540 416860	Operator: Dalkia Utilities Services Plc Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: VP3633KT Original Permit Number: UP3638LR EPR Reference: - Issue Date: 13/11/2009 Effective Date: 13/11/2009 Last date noted as effective: 2016-08-31 Status: Superseded
608C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES	Permit Number: SP3037KS Original Permit Number: UP3138LT EPR Reference: - Issue Date: 14/1/2010 Effective Date: 14/1/2010 Last date noted as effective: 2016-08-31 Status: Superseded
609C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES	Permit Number: MP3032FU Original Permit Number: UP3138LT EPR Reference: - Issue Date: 23/6/2011 Effective Date: 23/6/2011 Last date noted as effective: 2016-08-31 Status: Superseded
610C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS	Permit Number: SP3037KS Original Permit Number: UP3138LT EPR Reference: - Issue Date: 14/1/2010 Effective Date: 14/1/2010 Last date noted as effective: 2016-08-31 Status: Superseded
611C	181	S	414540 416860	Operator: Dalkia Utilities Services Plc Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS	Permit Number: VP3633KT Original Permit Number: UP3638LR EPR Reference: - Issue Date: 13/11/2009 Effective Date: 13/11/2009 Last date noted as effective: 2016-08-31 Status: Superseded
612C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS	Permit Number: SP3037KS Original Permit Number: UP3138LT EPR Reference: - Issue Date: 14/1/2010 Effective Date: 14/1/2010 Last date noted as effective: 2016-08-31 Status: Superseded
613C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS	Permit Number: HP3639FS Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/12/2011 Effective Date: 1/12/2011 Last date noted as effective: 2016-08-31 Status: Superseded
614C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES	Permit Number: SP3037KS Original Permit Number: UP3138LT EPR Reference: - Issue Date: 14/1/2010 Effective Date: 14/1/2010 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details
615C	181	S	414540 416860	Operator: Dalkia Utilities Services Plc Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW Permit Number: UP3638LR Original Permit Number: UP3638LR EPR Reference: - Issue Date: 22/12/2006 Effective Date: 22/12/2006 Last date noted as effective: 2016-08-31 Status: Superceded
616C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: UP3138LT Original Permit Number: UP3138LT EPR Reference: - Issue Date: 6/12/2006 Effective Date: 6/12/2006 Last date noted as effective: 2016-08-31 Status: Superceded
617C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: HP3639FS Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/12/2011 Effective Date: 1/12/2011 Last date noted as effective: 2016-08-31 Status: Superceded
618C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: UP3138LT Original Permit Number: UP3138LT EPR Reference: - Issue Date: 6/12/2006 Effective Date: 6/12/2006 Last date noted as effective: 2016-08-31 Status: Superceded
619C	181	S	414540 416860	Operator: Dalkia Utilities Services Plc Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS Permit Number: UP3638LR Original Permit Number: UP3638LR EPR Reference: - Issue Date: 22/12/2006 Effective Date: 22/12/2006 Last date noted as effective: 2016-08-31 Status: Superceded
620C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: UP3138LT Original Permit Number: UP3138LT EPR Reference: - Issue Date: 6/12/2006 Effective Date: 6/12/2006 Last date noted as effective: 2016-08-31 Status: Superceded
621C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: XP3135CY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/3/2012 Effective Date: 1/3/2012 Last date noted as effective: 2016-08-31 Status: Superceded
622C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: UP3138LT Original Permit Number: UP3138LT EPR Reference: - Issue Date: 6/12/2006 Effective Date: 6/12/2006 Last date noted as effective: 2016-08-31 Status: Superceded

ID	Distance (m)	Direction	NGR	Details	
623C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES	Permit Number: FP3538CW Original Permit Number: UP3138LT EPR Reference: - Issue Date: 14/3/2012 Effective Date: 14/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
624C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS	Permit Number: WP3333KM Original Permit Number: UP3138LT EPR Reference: - Issue Date: 13/11/2009 Effective Date: 13/11/2009 Last date noted as effective: 2016-08-31 Status: Superseded
625C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: HP3137UL Original Permit Number: UP3138LT EPR Reference: - Issue Date: 2/11/2007 Effective Date: 2/11/2007 Last date noted as effective: 2016-08-31 Status: Superseded
626C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES	Permit Number: WP3333KM Original Permit Number: UP3138LT EPR Reference: - Issue Date: 13/11/2009 Effective Date: 13/11/2009 Last date noted as effective: 2016-08-31 Status: Superseded
627C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES	Permit Number: XP3135CY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/3/2012 Effective Date: 1/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
628C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS	Permit Number: CP3733NR Original Permit Number: UP3138LT EPR Reference: - Issue Date: 30/5/2013 Effective Date: 30/5/2013 Last date noted as effective: 2016-08-31 Status: Superseded
629C	181	S	414540 416860	Operator: Arch Uk Biocides Limited Installation Name: Huddersfield Chemical Industry Process: INORGANIC CHEMICALS; SALTS EG AMMONIUM CHLORIDE	Permit Number: WP3533KK Original Permit Number: RP3333LP EPR Reference: - Issue Date: 13/11/2009 Effective Date: 13/11/2009 Last date noted as effective: 2016-08-31 Status: Superseded
630C	181	S	414540 416860	Operator: Syngenta Limited Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS	Permit Number: HP3539DJ Original Permit Number: UP3138LT EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 2016-08-31 Status: Determination

ID	Distance (m)	Direction	NGR	Details
631C	181	S	414540 416860	Operator: Arch Uk Biocides Limited Installation Name: Huddersfield Chemical Industry Process: INORGANIC CHEMICALS; SALTS EG AMMONIUM CHLORIDE Permit Number: BP3439VK Original Permit Number: RP3333LP EPR Reference: - Issue Date: 20/2/2014 Effective Date: 20/2/2014 Last date noted as effective: 2016-08-31 Status: Superseded
632C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: FP3538CW Original Permit Number: UP3138LT EPR Reference: - Issue Date: 14/3/2012 Effective Date: 14/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
633C	181	S	414540 416860	Operator: Syngenta Limited Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: HP3539DJ Original Permit Number: UP3138LT EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 2016-08-31 Status: Determination
634C	181	S	414540 416860	Operator: Arch Uk Biocides Limited Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES Permit Number: WP3533KK Original Permit Number: RP3333LP EPR Reference: - Issue Date: 13/11/2009 Effective Date: 13/11/2009 Last date noted as effective: 2016-08-31 Status: Superseded
635C	181	S	414540 416860	Operator: Syngenta Limited Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: HP3539DJ Original Permit Number: UP3138LT EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 2016-08-31 Status: Determination
636C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW Permit Number: CP3733NR Original Permit Number: UP3138LT EPR Reference: - Issue Date: 30/5/2013 Effective Date: 30/5/2013 Last date noted as effective: 2016-08-31 Status: Superseded
637C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: WP3333KM Original Permit Number: UP3138LT EPR Reference: - Issue Date: 13/11/2009 Effective Date: 13/11/2009 Last date noted as effective: 2016-08-31 Status: Superseded
638C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: NP3535EY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 18/12/2013 Effective Date: 18/12/2013 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details	
639C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES	Permit Number: WP3333KM Original Permit Number: UP3138LT EPR Reference: - Issue Date: 13/11/2009 Effective Date: 13/11/2009 Last date noted as effective: 2016-08-31 Status: Superseded
640C	181	S	414540 416860	Operator: Syngenta Limited Installation Name: Huddersfield Chemical Industry Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT	Permit Number: HP3539DJ Original Permit Number: UP3138LT EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 2016-08-31 Status: Determination
641C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: WP3333KM Original Permit Number: UP3138LT EPR Reference: - Issue Date: 13/11/2009 Effective Date: 13/11/2009 Last date noted as effective: 2016-08-31 Status: Superseded
642C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS	Permit Number: NP3535EY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 18/12/2013 Effective Date: 18/12/2013 Last date noted as effective: 2016-08-31 Status: Superseded
643C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: UP3934XU Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/4/2008 Effective Date: 1/4/2008 Last date noted as effective: 2016-08-31 Status: Superseded
644C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES	Permit Number: XP3135CY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/3/2012 Effective Date: 1/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
645C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS	Permit Number: MP3032FU Original Permit Number: UP3138LT EPR Reference: - Issue Date: 23/6/2011 Effective Date: 23/6/2011 Last date noted as effective: 2016-08-31 Status: Superseded
646C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: XP3135CY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/3/2012 Effective Date: 1/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details
647C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ASSOCIATED PROCESS Permit Number: UP3934XU Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/4/2008 Effective Date: 1/4/2008 Last date noted as effective: 2016-08-31 Status: Superseded
648C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: HP3639FS Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/12/2011 Effective Date: 1/12/2011 Last date noted as effective: 2016-08-31 Status: Superseded
649C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: MP3032FU Original Permit Number: UP3138LT EPR Reference: - Issue Date: 23/6/2011 Effective Date: 23/6/2011 Last date noted as effective: 2016-08-31 Status: Superseded
650C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES Permit Number: HP3639FS Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/12/2011 Effective Date: 1/12/2011 Last date noted as effective: 2016-08-31 Status: Superseded
651C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: UP3934XU Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/4/2008 Effective Date: 1/4/2008 Last date noted as effective: 2016-08-31 Status: Superseded
652C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW Permit Number: HP3639FS Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/12/2011 Effective Date: 1/12/2011 Last date noted as effective: 2016-08-31 Status: Superseded
653C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: MP3032FU Original Permit Number: UP3138LT EPR Reference: - Issue Date: 23/6/2011 Effective Date: 23/6/2011 Last date noted as effective: 2016-08-31 Status: Superseded
654C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: MP3032FU Original Permit Number: UP3138LT EPR Reference: - Issue Date: 23/6/2011 Effective Date: 23/6/2011 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details	
655C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES	Permit Number: UP3934XU Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/4/2008 Effective Date: 1/4/2008 Last date noted as effective: 2016-08-31 Status: Superseded
656C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT	Permit Number: MP3032FU Original Permit Number: UP3138LT EPR Reference: - Issue Date: 23/6/2011 Effective Date: 23/6/2011 Last date noted as effective: 2016-08-31 Status: Superseded
657C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES	Permit Number: HP3639FS Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/12/2011 Effective Date: 1/12/2011 Last date noted as effective: 2016-08-31 Status: Superseded
658C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES	Permit Number: UP3934XU Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/4/2008 Effective Date: 1/4/2008 Last date noted as effective: 2016-08-31 Status: Superseded
659C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS	Permit Number: HP3639FS Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/12/2011 Effective Date: 1/12/2011 Last date noted as effective: 2016-08-31 Status: Superseded
660C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES	Permit Number: FP3538CW Original Permit Number: UP3138LT EPR Reference: - Issue Date: 14/3/2012 Effective Date: 14/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
661C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES	Permit Number: UP3934XU Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/4/2008 Effective Date: 1/4/2008 Last date noted as effective: 2016-08-31 Status: Superseded
662C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES	Permit Number: FP3538CW Original Permit Number: UP3138LT EPR Reference: - Issue Date: 14/3/2012 Effective Date: 14/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details
663C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: HP3639FS Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/12/2011 Effective Date: 1/12/2011 Last date noted as effective: 2016-08-31 Status: Superseded
664C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: WP3333KM Original Permit Number: UP3138LT EPR Reference: - Issue Date: 13/11/2009 Effective Date: 13/11/2009 Last date noted as effective: 2016-08-31 Status: Superseded
665C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: UP3934XU Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/4/2008 Effective Date: 1/4/2008 Last date noted as effective: 2016-08-31 Status: Superseded
666C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: WP3333KM Original Permit Number: UP3138LT EPR Reference: - Issue Date: 13/11/2009 Effective Date: 13/11/2009 Last date noted as effective: 2016-08-31 Status: Superseded
667C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: XP3135CY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/3/2012 Effective Date: 1/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
668C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: FP3538CW Original Permit Number: UP3138LT EPR Reference: - Issue Date: 14/3/2012 Effective Date: 14/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
669C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: UP3934XU Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/4/2008 Effective Date: 1/4/2008 Last date noted as effective: 2016-08-31 Status: Superseded
670C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: HP3639FS Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/12/2011 Effective Date: 1/12/2011 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details
671C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: XP3135CY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/3/2012 Effective Date: 1/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
672C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: HP3639FS Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/12/2011 Effective Date: 1/12/2011 Last date noted as effective: 2016-08-31 Status: Superseded
673C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: UP3934XU Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/4/2008 Effective Date: 1/4/2008 Last date noted as effective: 2016-08-31 Status: Superseded
674C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES Permit Number: MP3032FU Original Permit Number: UP3138LT EPR Reference: - Issue Date: 23/6/2011 Effective Date: 23/6/2011 Last date noted as effective: 2016-08-31 Status: Superseded
675C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: XP3135CY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/3/2012 Effective Date: 1/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
676C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: UP3934XU Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/4/2008 Effective Date: 1/4/2008 Last date noted as effective: 2016-08-31 Status: Superseded
677C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: FP3538CW Original Permit Number: UP3138LT EPR Reference: - Issue Date: 14/3/2012 Effective Date: 14/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
678C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: WP3333KM Original Permit Number: UP3138LT EPR Reference: - Issue Date: 13/11/2009 Effective Date: 13/11/2009 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details
679C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: WP3333KM Original Permit Number: UP3138LT EPR Reference: - Issue Date: 13/11/2009 Effective Date: 13/11/2009 Last date noted as effective: 2016-08-31 Status: Superseded
680C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: UP3934XU Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/4/2008 Effective Date: 1/4/2008 Last date noted as effective: 2016-08-31 Status: Superseded
681C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: XP3135CY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/3/2012 Effective Date: 1/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
682C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: WP3333KM Original Permit Number: UP3138LT EPR Reference: - Issue Date: 13/11/2009 Effective Date: 13/11/2009 Last date noted as effective: 2016-08-31 Status: Superseded
683C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: MP3032FU Original Permit Number: UP3138LT EPR Reference: - Issue Date: 23/6/2011 Effective Date: 23/6/2011 Last date noted as effective: 2016-08-31 Status: Superseded
684C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: UP3934XU Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/4/2008 Effective Date: 1/4/2008 Last date noted as effective: 2016-08-31 Status: Superseded
685C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: XP3135CY Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/3/2012 Effective Date: 1/3/2012 Last date noted as effective: 2016-08-31 Status: Superseded
686C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: HP3639FS Original Permit Number: UP3138LT EPR Reference: - Issue Date: 1/12/2011 Effective Date: 1/12/2011 Last date noted as effective: 2016-08-31 Status: Superseded

ID	Distance (m)	Direction	NGR	Details
687C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW Permit Number: MP3032FU Original Permit Number: UP3138LT EPR Reference: - Issue Date: 23/6/2011 Effective Date: 23/6/2011 Last date noted as effective: 2016-08-31 Status: Superseded
688C	181	S	414540 416860	Operator: Syngenta Limited Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: HP3539DJ Original Permit Number: UP3138LT EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 2016-08-31 Status: Determination
689C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: WP3333KM Original Permit Number: UP3138LT EPR Reference: - Issue Date: 13/11/2009 Effective Date: 13/11/2009 Last date noted as effective: 2016-08-31 Status: Superseded
690C	181	S	414540 416860	Operator: Syngenta Ltd Installation Name: Huddersfield Chemical Industry Process: COMBUSTION; ANY FUEL =>50MW Permit Number: UP3138LT Original Permit Number: UP3138LT EPR Reference: - Issue Date: 6/12/2006 Effective Date: 6/12/2006 Last date noted as effective: 2016-08-31 Status: Superseded
691C	181	S	414540 416860	Operator: Syngenta Limited Installation Name: Huddersfield Chemical Industry Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: HP3539DJ Original Permit Number: UP3138LT EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 2016-08-31 Status: Determination

2.1.3 Records of Red List Discharge Consents (potentially harmful discharges to controlled waters) within 500m of the study site:

0

Database searched and no data found.

2.1.4 Records of List 1 Dangerous Substances Inventory Sites within 500m of the study site:

0

Database searched and no data found.

2.1.5 Records of List 2 Dangerous Substance Inventory Sites within 500m of the study site:

0

Database searched and no data found.

2.1.6 Records of Part A(2) and Part B Activities and Enforcements within 500m of the study site:

15

The following Part A(2) and Part B Activities are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details
339	98	N	414480 417153	Address: Tesco Stores Ltd, Viaduct Street, Huddersfield, HD1 1RW Process: Unloading of Petrol into Storage at Service Stations Stage I & II Status: Current Permit Permit Type: Part B Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
340	143	E	414674 417095	Address: 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
341B	150	S	414540 416892	Address: Thomas Broadbent & Sons Ltd, Queens Street South, Huddersfield, HD1 3EA Process: Foundry Status: Historical Permit Permit Type: Part B Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
342	196	SE	414666 416898	Address: 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
343	259	NE	414665 417289	Address: 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
344D	325	E	414862 417083	Address: A Roberts Ltd(t/a Cockins) Waterloo Mills, Old Leeds Rd, Huddersfield, HD1 1SE Process: asbestos process Status: Historical Permit Permit Type: Part B Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
345D	325	E	414862 417083	Address: A Roberts Packaging Ltd, Waterloo Mills, Old Leeds Rd, Huddersfield, HD1 1SE Process: coating & enamelling process Status: Historical Permit Permit Type: Part B Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified

ID	Distance (m)	Direction	NGR	Details
346	340	N	414600 417400	Address: Gothards Ltd, 8 Myrtle St, Huddersfield, HD1 6BP Process: Pet Food Manufacture Status: Historical Permit Permit Type: Part B Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
347	341	S	414462 416702	Address: Johnson Cleaners UK, 6 Market Place, Huddersfield, HD1 2AN Process: Dry Cleaning Status: Historical Permit Permit Type: Part B Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
348	369	E	414894 416946	Address: Sainsburys Supermarkets, Quay St, Huddersfield, Huddersfield, HD1 6QX Process: Petrol Vapour Recovery Process Status: Historical Permit Permit Type: Part B Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
349	394	N	414595 417456	Address: Smithy Garage, 28 Viaduct St, Huddersfield, HD1 6BW Process: waste oil burning process Status: Historical Permit Permit Type: Part B Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
350	418	SE	414794 416716	Address: Sainsbury's Petrol Station, Shorehead, Southgate, Huddersfield, HD1 6QR Process: Unloading of Petrol into Storage at Service Stations Stage I & II Status: Current Permit Permit Type: Part B Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
351	470	E	414998 416945	Address: 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
352	481	N	414608 417542	Address: G S Motors, 41 Lower Viaduct Street, Huddersfield, HD1 6BW Process: Waste Oil Burner <0.4MW Status: Historical Permit Permit Type: Part B Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
353	482	N	414523 417549	Address: Bridge Service Station, 20/32 Bradford Road, Huddersfield, HD1 6JE Process: Petrol Vapour Recovery Status: Current Permit Permit Type: Part B Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified

2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations:

0

Database searched and no data found.

2.1.8 Records of Licensed Discharge Consents within 500m of the study site:

2

The following Licensed Discharge Consents records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details
1A	216	NW	414390 417240	Address: CASTLEGATE/BRADFORD LINK ROAD, HUDDERSFIELD, HUDDERSFIELD, WEST YORKSHIRE Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WADC805 Permit Version: 2 Receiving Water: Status: TRANSFERRED FROM WATER ACT 1989 Issue date: 14/04/2009 Effective Date: 14-Apr-2009 Revocation Date: -
2A	216	NW	414390 417240	Address: CASTLEGATE/BRADFORD LINK ROAD, HUDDERSFIELD, HUDDERSFIELD, WEST YORKSHIRE Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WADC805 Permit Version: 1 Receiving Water: Status: TRANSFERRED FROM WATER ACT 1989 Issue date: 18/09/1989 Effective Date: 18-Sep-1989 Revocation Date: 13/04/2009

2.1.9 Records of Water Industry Referrals (potentially harmful discharges to the public sewer) within 500m of the study site:

0

Database searched and no data found.

2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site:

0

Database searched and no data found.

2.2 Dangerous or Hazardous Sites

Records of COMAH & NIHHS sites within 500m of the study site:

2

The following COMAH & NIHHS Authorisation records provided by the Health and Safety Executive are represented as polygons or buffered points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	Company	Address	Operational Status	Tier
354	357	E	Northern Gas Networks Ltd	Northern Gas Networks Ltd, Huddersfield Holder Station, Gas Works Street, Huddersfield, West Yorkshire, HD1 6NA	Current COMAH Site	COMAH Lower Tier Operator

ID	Distance (m)	Direction	Company	Address	Operational Status	Tier
355	408	NE	British Gas	British Gas, Gas Works Street, Huddersfield	Historical NIHHS Site	-

2.3 Environment Agency Recorded Pollution Incidents

2.3.1 Records of National Incidents Recording System, List 2 within 500m of the study site:

0

Database searched and no data found.

2.3.2 Records of National Incidents Recording System, List 1 within 500m of the study site:

0

Database searched and no data found.

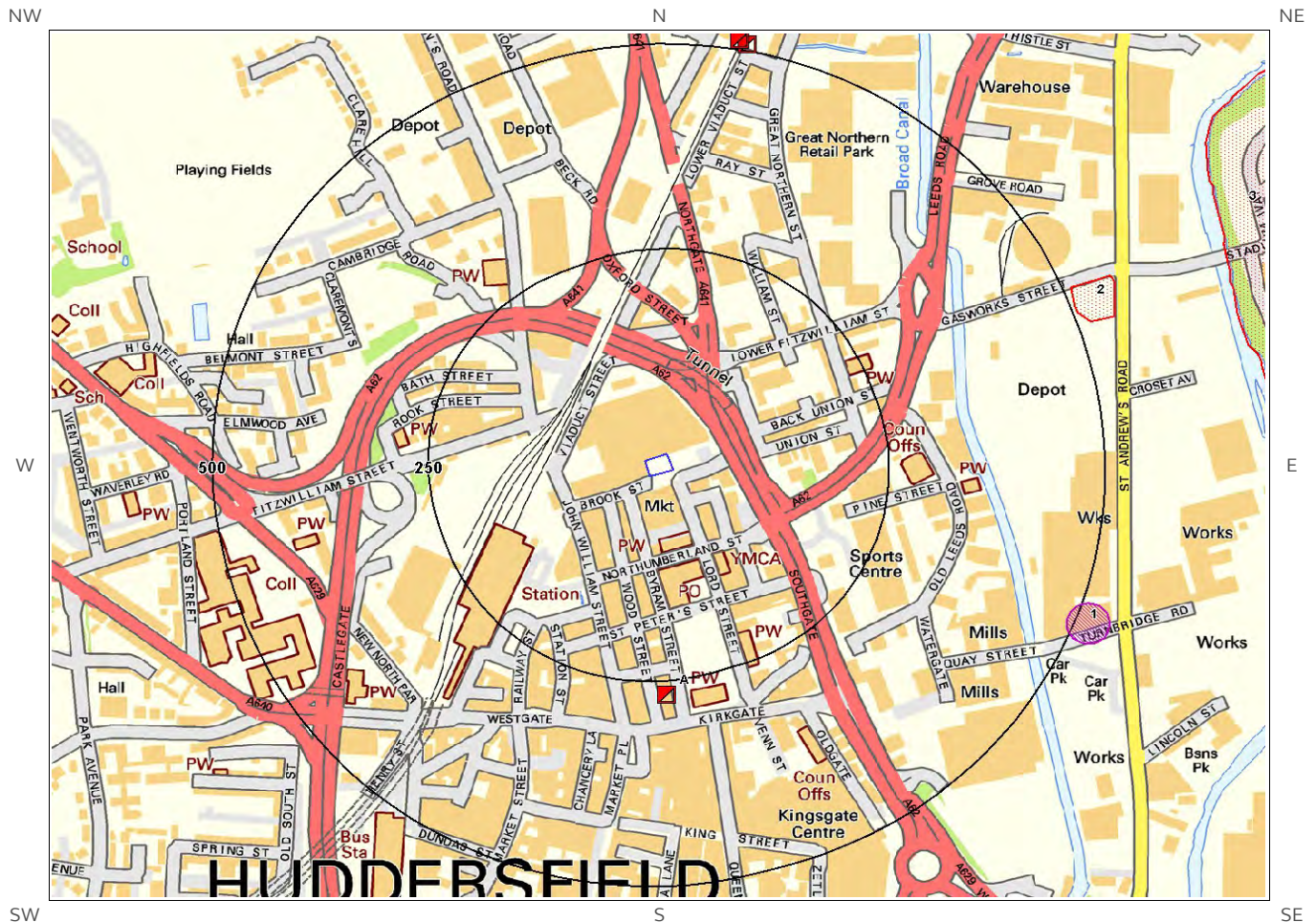
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990

How many records of sites determined as contaminated land under Section 78R of the Environmental Protection Act 1990 are there within 500m of the study site?

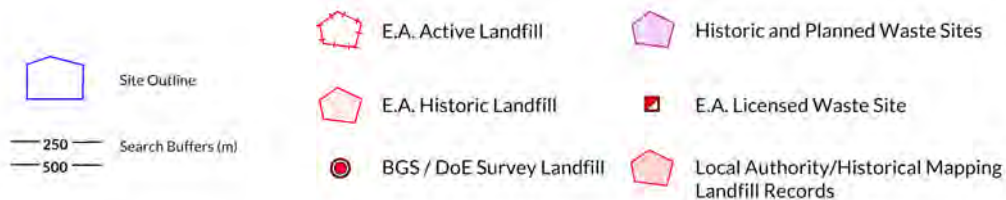
0

Database searched and no data found.

3. Landfill and Other Waste Sites Map



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3. Landfill and Other Waste Sites

3.1 Landfill Sites

3.1.1 Records from Environment Agency landfill data within 1000m of the study site:

0

Database searched and no data found.

3.1.2 Records of Environment Agency historic landfill sites within 1500m of the study site:

6

The following landfill records are represented as either points or polygons on the Landfill and Other Waste Sites map:

ID	Distance (m)	Direction	NGR	Details
2	505	E	415000 417200	Site Address: NEGAS Holder Station, Gas Works Street, Huddersfield Waste Licence: Yes Site Reference: 4700/0505 Waste Type: Inert, Industrial, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 19-Apr-1985 Licence Surrendered: 30-Apr-1994 Licence Holder Address: New York Road, Leeds Operator: - Licence Holder: North East Gas First Recorded: 30-Apr-1985 Last Recorded: 31-Aug-1989
3	680	E	415300 417300	Site Address: Golf Driving Range, Lower Kilner Bank, off Bradley Mills Road, Huddersfield Waste Licence: Yes Site Reference: 4700/0435 Waste Type: Inert, Industrial, Commercial, Household, Special Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 24-May-1984 Licence Surrendered: 31-Dec-1990 Licence Holder Address: Civic Centre, Huddersfield Operator: - Licence Holder: Kirklees Metropolitan Borough Council First Recorded: - Last Recorded: -
Not shown	860	E	415400 417100	Site Address: Brown Royd Quarry, Off Kilner Bank, Dalton, Huddersfield Waste Licence: - Site Reference: - Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrendered: - Licence Holder Address: - Operator: Elliotts Bricks Limited Licence Holder: - First Recorded: 25-Mar-1965 Last Recorded: -
Not shown	904	N	415000 418100	Site Address: Emerald Street Brick and Tile Landfill Site, Huddersfield Waste Licence: - Site Reference: 4700/WY053, 1382 Waste Type: Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrendered: - Licence Holder Address: - Operator: West Yorkshire Metropolitan County Council Licence Holder: West Yorkshire Waste Management Limited First Recorded: - Last Recorded: -

ID	Distance (m)	Direction	NGR	Details	
Not shown	1217	NE	415200 418100	Site Address: Upstream Red Doles Lock, Mirfield Waste Licence: Yes Site Reference: 4700/0682 Waste Type: Liquid sludge Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 22-Nov-1988 Licence Surrendered: Licence Holder Address: Lock Lane, Castleford Operator: - Licence Holder: British Waterways Board First Recorded: - Last Recorded: -
Not shown	1217	NE	415200 418100	Site Address: Upstream Red Doles Lock, Mirfield Waste Licence: Yes Site Reference: 4700/0662 Waste Type: Industrial, Liquid sludge Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 21-Nov-1988 Licence Surrendered: 30-Apr-1994 Licence Holder Address: Lock Lane, Castleford Operator: - Licence Holder: British Waterways Board First Recorded: 30-Nov-1988 Last Recorded: 31-Dec-1992

3.1.3 Records of BGS/DoE non-operational landfill sites within 1500m of the study site:

0

Database searched and no data found.

3.1.4 Records of Landfills from Local Authority and Historical Mapping Records within 1500m of the study site:

1

The following landfill records are represented as points or polygons on the Landfill and Other Waste Sites map:

ID	Distance (m)	Direction	NGR	Site Address	Source	Data Type
Not shown	885	NE	415392 417549	McAlpine Stadium	Kirklees Metropolitan Council	Polygon

3.2 Other Waste Sites

3.2.1 Records of waste treatment, transfer or disposal sites within 500m of the study site:

1

The following waste treatment, transfer or disposal sites records are represented as points on the Landfill and Other Waste Sites map:

ID	Distance (m)	Direction	NGR	Details	
1	491	E	415019 416859	Type of Site: Waste Management Area (Alterations) Site Address: Cummings Turbo Technology, St. Andrews Road, HUDDERSFIELD, West Yorkshire, HD1 6RA Planning Application Reference: 2011/62/91414/W2 Date: 13/11/2011	Further Details: 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

3.2.2 Records of Environment Agency licensed waste sites within 1500m of the study site:

37

The following waste treatment, transfer or disposal sites records are represented as points on the Landfill and Other Waste Sites map:

ID	Distance (m)	Direction	NGR	Details	
8A	267	S	414531 416773	Site Address: Property Services Consultancy, Kirkgate Buildings, Byram Street, Huddersfield, West Yorkshire, HD1 1BY Type: Household, Commercial & Industrial Waste Landfill Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KIR001 EPR reference: UP3295ZB/A001 Operator: Kirklees Metropolitan Council Waste Management licence No: 60992 Annual Tonnage: 250000.0	Issue Date: 26/03/1986 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Former Blakeborough's Tip Correspondence Address: -

ID	Distance (m)	Direction	NGR	Details
9A	267	S	414531 416773	Site Address: Property Services Consultancy, Kirkgate Buildings, Byram Street, Huddersfield, West Yorkshire, HD1 1BY Type: Household, Commercial & Industrial Waste Landfill Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KIR001 EPR reference: EA/EPR/UP3295ZB/A001 Operator: Kirklees Council Waste Management licence No: 60992 Annual Tonnage: 250000.0 Issue Date: 26/03/1986 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Former Blakeborough's Tip Correspondence Address: -
10A	267	S	414531 416773	Site Address: Property Services Consultancy, Kirkgate Buildings, Byram Street, Huddersfield, West Yorkshire, HD1 1BY Type: Household, Commercial & Industrial Waste Landfill Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KIR001 EPR reference: - Operator: Kirklees Metropolitan Council Waste Management licence No: 60992 Annual Tonnage: 0.0 Issue Date: 26/03/1986 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Former Blakeborough's Tip Correspondence Address: Property Services Consultancy, Kirkgate Buildings, Byram Street, Huddersfield, West Yorkshire, HD1 1BY
11B	509	N	414625 417567	Site Address: A K Auto Centre Ltd, 45-46, Lower Viaduct Street, Huddersfield, West Yorks, HD1 6BN Type: Vehicle Depollution Facility <5000 tps Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AKA003 EPR reference: EA/EPR/HB3530RN/A001 Operator: A K Auto Centre Ltd Waste Management licence No: 104324 Annual Tonnage: 4999.0 Issue Date: 31/08/2012 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: A K Auto Centre Ltd Correspondence Address: -
12B	512	N	414616 417572	Site Address: A K Auto Centre Ltd, 45-46, Lower Viaduct Street, Huddersfield, West Yorks, HD1 6BN Type: Vehicle Depollution Facility <5000 tps Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AKA003 EPR reference: EA/EPR/HB3530RN/V002 Operator: A K Auto Centre Limited Waste Management licence No: 104324 Annual Tonnage: 4999.0 Issue Date: 31/08/2012 Effective Date: - Modified: 20/01/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: A K Auto Centre Limited Correspondence Address: -
Not shown	750	N	414765 417780	Site Address: Vine Street, Leeds Road, Huddersfield, West Yorkshire, HD1 6NT Type: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KIR009 EPR reference: EA/EPR/FP3195ZK/A001 Operator: Sita (kirklees) Limited Waste Management licence No: 61060 Annual Tonnage: 100000.0 Issue Date: 02/04/1998 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: IPPC Site Name: Huddersfield Transfer Loading Station Correspondence Address: -

ID	Distance (m)	Direction	NGR	Details	
Not shown	750	N	414765 417780	Site Address: Vine Street, Leeds Road, Huddersfield, West Yorkshire, HD1 6NT Type: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KIR009 EPR reference: EA/EPR/FP3195ZK/A001 Operator: Sita (Kirklees) Ltd Waste Management licence No: 61060 Annual Tonnage: 100000.0	Issue Date: 02/04/1998 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: To PPC Site Name: Huddersfield Transfer Loading Station Correspondence Address: -
Not shown	759	N	414793 417780	Site Address: Land/premises At, Vine Street, Leeds Road, Huddersfield, West Yorkshire, HD1 6NT Type: Material Recycling Treatment Facility Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 000073 EPR reference: EA/EPR/XP3792ZK/V003 Operator: Suez Recycling And Recovery Kirklees Ltd Waste Management licence No: 65286 Annual Tonnage: 24999.0	Issue Date: 31/03/2005 Effective Date: - Modified: 30/06/2016 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Vine Street Mrf Correspondence Address: -
Not shown	759	N	414793 417780	Site Address: Land/premises At, Vine Street, Leeds Road, Huddersfield, West Yorkshire, HD1 6NT Type: Material Recycling Treatment Facility Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 000073 EPR reference: EA/EPR/XP3792ZK/V002 Operator: Sita (kirklees) Ltd Waste Management licence No: 65286 Annual Tonnage: 24999.0	Issue Date: 31/03/2005 Effective Date: - Modified: 23/05/2006 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Vine Street Mrf Correspondence Address: -
Not shown	759	N	414793 417780	Site Address: Land/premises At, Vine Street, Leeds Road, Huddersfield, West Yorkshire, HD1 6NT Type: Material Recycling Treatment Facility Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 000073 EPR reference: EA/EPR/XP3792ZK/V002 Operator: Sita (Kirklees) Ltd Waste Management licence No: 65286 Annual Tonnage: 24999.0	Issue Date: 31/03/2005 Effective Date: - Modified: 23/05/2006 Surrendered Date: 0 Expiry Date: - Cancelled Date: - Status: Modified Site Name: Vine Street Mrf Correspondence Address: -
Not shown	820	NE	414900 417800	Site Address: Huddersfield Hws, Vine Street, Leeds Road, Huddersfield, HD1 6NT Type: Household Waste Amenity Site Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: KIR010 EPR reference: - Operator: Kirklees Waste Services Limited Waste Management licence No: 61062 Annual Tonnage: 0.0	Issue Date: 02/04/1996 Effective Date: - Modified: - Surrendered Date: 11/08/2000 Expiry Date: - Cancelled Date: - Status: Surrendered Site Name: Huddersfield Hws Correspondence Address: Lancashire House, 24, Winckley Square, Preston, PR1 3JJ

ID	Distance (m)	Direction	NGR	Details
Not shown	820	NE	414900 417800	Site Address: Huddersfield Hws, Vine Street, Leeds Road, Huddersfield, West Yorkshire, HD1 6NT Type: Household Waste Amenity Site Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KIR010 EPR reference: EA/EPR/CP3395ZT/S002 Operator: Kirklees Waste Services Limited Waste Management licence No: 61062 Annual Tonnage: 15650.0 Issue Date: 02/04/1996 Effective Date: - Modified: - Surrendered Date: 11/08/2000 Expiry Date: - Cancelled Date: - Status: Surrendered Site Name: Huddersfield Hws Correspondence Address: -
Not shown	935	N	414600 418000	Site Address: Alder Street Depot, Flint Street, Fartown, Huddersfield, West Yorkshire, HD1 6LG Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KMC002 EPR reference: EA/EPR/PP3796ZK/V003 Operator: Kirklees Metropolitan Council Waste Management licence No: 65523 Annual Tonnage: 24999.0 Issue Date: 12/01/2007 Effective Date: - Modified: 19/03/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Alder Street Depot Correspondence Address: -
Not shown	935	N	414600 418000	Site Address: Flint Street/alder Street Depot, Flint Street, Fartown, Huddersfield, West Yorkshire, HD1 6LG Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KMC002 EPR reference: EA/EPR/PP3796ZK/A001 Operator: Kirklees Council Waste Management licence No: 65523 Annual Tonnage: 24999.0 Issue Date: 12/01/2007 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Flint Street/alder Street Depot Correspondence Address: -
Not shown	958	NE	414899 417952	Site Address: Land/premises At, Emerald Street, Huddersfield, West Yorkshire, HD1 6BY Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KIR002 EPR reference: EA/EPR/HP3894ZJ/V005 Operator: Suez Recycling And Recovery Kirklees Ltd Waste Management licence No: 65026 Annual Tonnage: 24999.0 Issue Date: 19/08/1999 Effective Date: - Modified: 30/06/2016 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Emerald Street Household Waste Site & Composting Facility Correspondence Address: -
Not shown	958	NE	414899 417952	Site Address: Land/premises At, Emerald Street, Huddersfield, West Yorkshire, HD1 6BY Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KIR002 EPR reference: EA/EPR/HP3894ZJ/V002 Operator: Sita (kirklees) Limited Waste Management licence No: 65026 Annual Tonnage: 24999.0 Issue Date: 19/08/1999 Effective Date: - Modified: 23/08/2007 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Emerald Street Household Waste Site & Composting Facility Correspondence Address: -

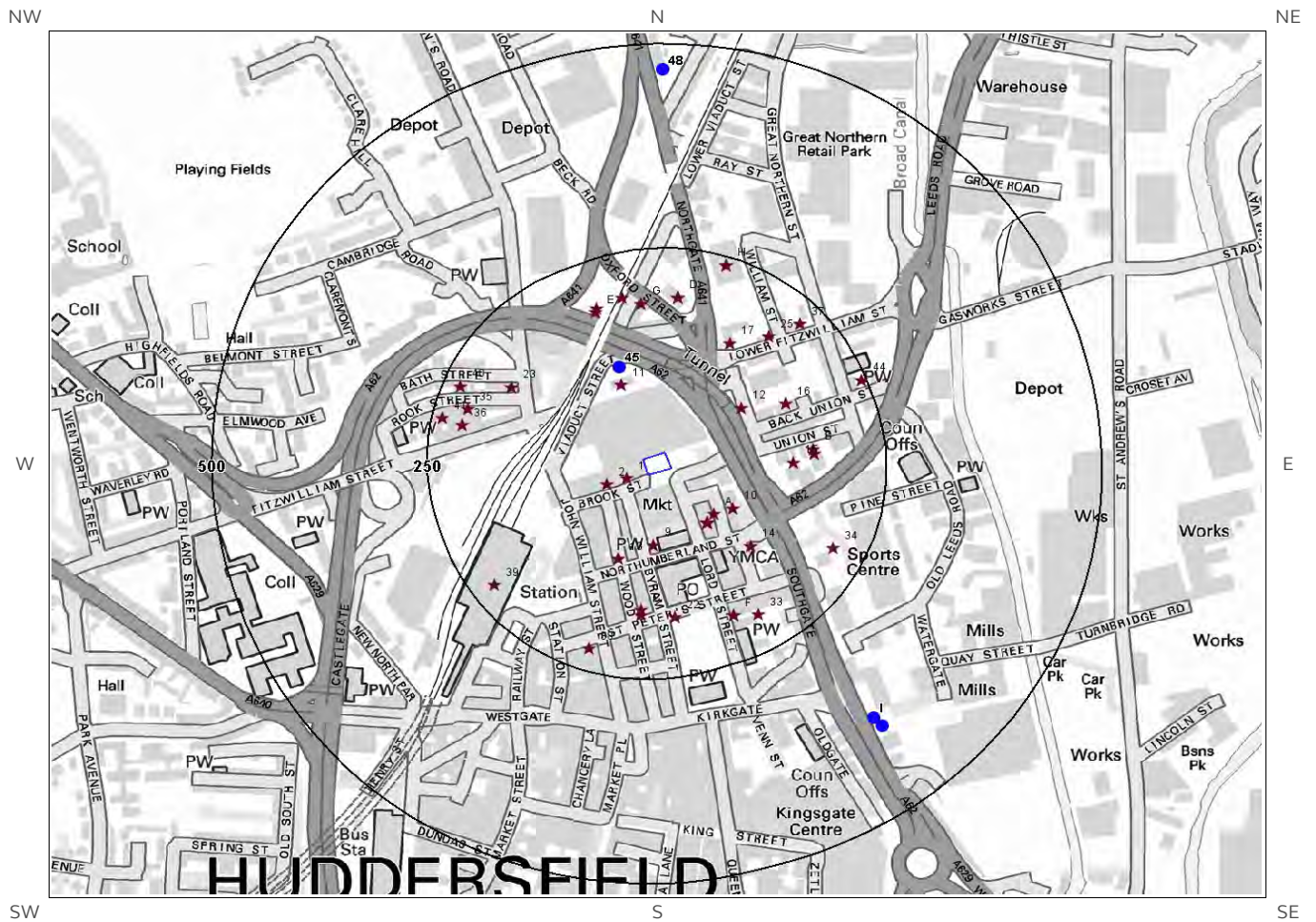
ID	Distance (m)	Direction	NGR	Details	
Not shown	958	NE	414899 417952	Site Address: Emerald Street, Huddersfield, West Yorkshire Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KIR002 EPR reference: - Operator: Sita (Kirklees) Limited Waste Management licence No: 65026 Annual Tonnage: 0.0	Issue Date: 19/08/1999 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Emerald Street Household Waste Site & Composting Facility Correspondence Address: Diamond Street, Huddersfield, West Yorkshire, HD1 6BZ
Not shown	958	NE	414899 417952	Site Address: Land/premises At, Emerald Street, Huddersfield, West Yorkshire, HD1 6BY Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KIR002 EPR reference: EA/EPR/HP3894ZJ/V002 Operator: Sita (Kirklees) Ltd Waste Management licence No: 65026 Annual Tonnage: 24999.0	Issue Date: 19/08/1999 Effective Date: - Modified: 23/08/2007 Surrendered Date: 0 Expiry Date: - Cancelled Date: - Status: Modified Site Name: Emerald Street Household Waste Site & Composting Facility Correspondence Address: -
Not shown	1026	S	414765 416045	Site Address: Albert Haigh & Son Ltd, Firth Street, Huddersfield, West Yorkshire, HD1 3BD Type: Metal Recycling Site (Vehicle Dismantler) Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ELL002 EPR reference: EA/EPR/ZP3594ZH/V002 Operator: Albert Haigh & Son Ltd Waste Management licence No: 65065 Annual Tonnage: 4999.0	Issue Date: 29/06/2000 Effective Date: - Modified: 20/01/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Albert Haigh & Son Ltd Correspondence Address: -
Not shown	1026	S	414765 416045	Site Address: Land/premises At, Firth Street, Huddersfield, West Yorkshire, HD1 3BD Type: Metal Recycling Site (Vehicle Dismantler) Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ELL002 EPR reference: EA/EPR/ZP3594ZH/A001 Operator: Ellis Barrie K Waste Management licence No: 65065 Annual Tonnage: 4999.0	Issue Date: 29/06/2000 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Albert Haigh & Son Ltd Correspondence Address: -
Not shown	1026	S	414765 416045	Site Address: Land/premises At, Firth Street, Huddersfield, West Yorkshire, HD1 3BD Type: Metal Recycling Site (Vehicle Dismantler) Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ELL002 EPR reference: EA/EPR/ZP3594ZH/A001 Operator: Albert Haigh & Son Limited Waste Management licence No: 65065 Annual Tonnage: 4999.0	Issue Date: 29/06/2000 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Albert Haigh & Son Ltd Correspondence Address: -

ID	Distance (m)	Direction	NGR	Details	
Not shown	1096	NE	415168 417960	Site Address: Bar Street, Leeds Road, Huddersfield, HD1 6PB Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: REA001 EPR reference: - Operator: Readymix (Huddersfield) Ltd Waste Management licence No: 61018 Annual Tonnage: 0.0	Issue Date: 25/02/1992 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Readymix Huddersfield Limited Correspondence Address: Red Doles Lane, Leeds Road, Huddersfield, HD2 1YD
Not shown	1096	NE	415168 417960	Site Address: Bar Street, Leeds Road, Huddersfield, HD1 6PB Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: REA001 EPR reference: - Operator: Readymix-huddersfield Ltd Waste Management licence No: 61018 Annual Tonnage: 0.0	Issue Date: 25/02/1992 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Readymix Huddersfield Limited Correspondence Address: Red Doles Lane, Leeds Road, Huddersfield, HD2 1YD
Not shown	1096	NE	415168 417960	Site Address: Land/premises At, Bar Street, Leeds Road, Huddersfield, West Yorkshire, HD1 6PB Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: REA001 EPR reference: EA/EPR/KP3395ZW/V002 Operator: Readymix- Huddersfield Ltd Waste Management licence No: 61018 Annual Tonnage: 74999.0	Issue Date: 25/02/1992 Effective Date: - Modified: 22/01/2008 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Readymix Huddersfield Limited Correspondence Address: -
Not shown	1129	N	414781 418168	Site Address: Hillhouse Sidings, Alder Street, Huddersfield, West Yorkshire, HD1 6LD Type: 75kte Vehicle Depollution Facility Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: TRU035 EPR reference: EA/EPR/FP3995LH/A001 Operator: Truckline Services Ltd Waste Management licence No: 101433 Annual Tonnage: 74999.0	Issue Date: 25/02/2010 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Truckline Services Ltd Correspondence Address: -
Not shown	1164	N	414800 418200	Site Address: Hillhouse Sidings, Alder Street, Fartown, Huddersfield, West Yorkshire, HD1 6LD Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ABL001 EPR reference: EA/EPR/FP3395ZC/S002 Operator: Able Fuels Waste Management licence No: 61051 Annual Tonnage: 4920.0	Issue Date: 07/12/1994 Effective Date: - Modified: - Surrendered Date: 19/09/2000 Expiry Date: - Cancelled Date: - Status: Surrendered Site Name: Able Fuels Correspondence Address: -

ID	Distance (m)	Direction	NGR	Details	
Not shown	1165	SE	415473 416350	Site Address: Back Chapel Lane, Mold Green, Huddersfield, HD5 9BG Type: Metal Recycling Site (mixed MRS's) Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MOR003 EPR reference: - Operator: Morley Waste Traders Waste Management licence No: 63999 Annual Tonnage: 0.0	Issue Date: 16/09/1997 Effective Date: 23/11/2005 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Mold Green Site Correspondence Address: Treefield Ind Est, Gildersome, Leeds, LS27 7JU
Not shown	1165	SE	415473 416350	Site Address: Back Chapel Lane, Mold Green, Huddersfield, HD5 9BG Type: Metal Recycling Site (mixed MRS's) Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MOR003 EPR reference: - Operator: Morley Waste Traders Ltd Waste Management licence No: 63999 Annual Tonnage: 0.0	Issue Date: 16/09/1997 Effective Date: 23/11/2005 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Mold Green Site Correspondence Address: Treefield Ind Est, Gildersome, Leeds, LS27 7JU
Not shown	1165	SE	415473 416350	Site Address: Back Chapel Lane, Mold Green, Huddersfield, HD5 9BG Type: Metal Recycling Site (mixed MRS's) Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KTM001 EPR reference: - Operator: K & T Moorhouse Waste Management licence No: 63999 Annual Tonnage: 0.0	Issue Date: 16/09/1997 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: K & T Moorhouse Correspondence Address: Back Chapel Lane, Mold Green, Huddersfield, HD5 9BG
Not shown	1177	SE	415485 416346	Site Address: Land/premises At, Back Chapel Lane, Moldgreen, Huddersfield, West Yorkshire, HD5 9BG Type: Metal Recycling Site (mixed MRS's) Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MOR003 EPR reference: EA/EPR/DP3397SG/V003 Operator: Morley Waste Traders Ltd Waste Management licence No: 63999 Annual Tonnage: 25000.0	Issue Date: 16/09/1997 Effective Date: 23/11/2005 Modified: 23/01/2009 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Morley Waste Traders Ltd Correspondence Address: -
Not shown	1252	S	414043 415878	Site Address: Highway Depot, Hemsworth Lane, Fitzwilliam, Wakefield, West Yorkshire, WF9 5AZ Type: Household Waste Amenity Site Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SHA118 EPR reference: EA/EPR/EB3139RY/S002 Operator: Shanks Waste Management Limited Waste Management licence No: 61913 Annual Tonnage: 0.0	Issue Date: 08/03/1996 Effective Date: 25/02/2013 Modified: - Surrendered Date: 30/07/2015 Expiry Date: - Cancelled Date: - Status: Surrendered Site Name: Fitzwilliam H W R C Correspondence Address: -
Not shown	1252	S	414043 415878	Site Address: Fitzwilliam Household Waste Site, Hemsworth Lane, Fitzwilliam, Wakefield, West Yorkshire, WF9 5AZ Type: Household Waste Amenity Site Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SHA118 EPR reference: EA/EPR/EB3139RY/T001 Operator: Shanks Waste Management Ltd Waste Management licence No: 61913 Annual Tonnage: 7499.0	Issue Date: 08/03/1996 Effective Date: 25/02/2013 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Fitzwilliam Household Waste Site Correspondence Address: -

ID	Distance (m)	Direction	NGR	Details
Not shown	1339	S	414260 415724	Site Address: Scotland Yard, Queens Mill Road, Lockwood, Huddersfield, West Yorkshire, HD1 3PG Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: JSB009 EPR reference: EA/EPR/DB3534AB/T001 Operator: J S Bamforth & Co Ltd Waste Management licence No: 65045 Annual Tonnage: 100000.0 Issue Date: 25/01/1999 Effective Date: 05/01/2012 Modified: 04/02/2005 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Scotland Yard Correspondence Address: -
Not shown	1339	S	414260 415724	Site Address: Scotland Yard, Queens Mill Road, Lockwood, Huddersfield, West Yorkshire, HD1 3PG Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HUN059 EPR reference: EA/EPR/AB3206TC/T001 Operator: Hunter Group Yorkshire Ltd Waste Management licence No: 65045 Annual Tonnage: 100000.0 Issue Date: 25/01/1999 Effective Date: 27/08/2013 Modified: 04/02/2005 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Scotland Yard Correspondence Address: -
Not shown	1339	S	414260 415724	Site Address: Scotland Yard, Queens Mill Road, Lockwood, Huddersfield, West Yorkshire, HD1 3PG Type: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 000085 EPR reference: EA/EPR/FP3194ZX/V002 Operator: Huddersfield Skip Hire Services Ltd Waste Management licence No: 65045 Annual Tonnage: 100000.0 Issue Date: 25/01/1999 Effective Date: 29/01/2004 Modified: 04/02/2005 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Scotland Yard Correspondence Address: -
Not shown	1381	SW	413374 416257	Site Address: Land/premises At, Allen Row, The Triangle, Huddersfield, West Yorkshire, HD1 4RR Type: ELV Facility Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 000150 EPR reference: EA/EPR/CP3592ZG/A001 Operator: Oldroyd Gary Waste Management licence No: 65365 Annual Tonnage: 2500.0 Issue Date: 04/01/2005 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Breaking Vw's Correspondence Address: -
Not shown	1422	SW	413405 416146	Site Address: The Triangle, Paddock Foot, Huddersfield, West Yorkshire, HD1 4RY Type: Metal Recycling Site (Vehicle Dismantler) Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ISL001 EPR reference: EA/EPR/TP3595ZX/T001 Operator: Islam Mohammad Waste Management licence No: 61032 Annual Tonnage: 9600.0 Issue Date: 11/08/1993 Effective Date: 02/08/2001 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Huddersfield Auto Salvage Correspondence Address: -

4. Current Land Use Map



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Site Outline

★ Current Industrial Sites

— Electricity Transmission Cables

— 250 — Search Buffers (m)
— 500 —

● Petrol & Fuel Sites

— Gas Transmission Pipelines

4. Current Land Uses

4.1 Current Industrial Data

Records of potentially contaminative industrial sites within 250m of the study site:

44

The following records are represented as points on the Current Land Uses map.

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
1	25	W	Abbey Lodge	414487 417035	11, Brook Street, Huddersfield, HD1 1EB	Clearance and Salvage Dealers	Recycling Services
2	49	W	Inside Design	414464 417027	5-7, Brook Street, Huddersfield, HD1 1EB	Furniture	Consumer Products
3A	74	SE	Electricity Sub Station	414588 416992	HD1	Electrical Features	Infrastructure and Facilities
4A	78	SE	Kirklees Pest Control	414580 416980	The Media Centre 7, Northumberland Street, Huddersfield, HD1 1RL	Pest and Vermin Control	Contract Services
5A	78	SE	Workspace Interior Solutions Ltd	414580 416980	The Media Centre 7, Northumberland Street, Huddersfield, HD1 1RL	Office and Shop Equipment	Industrial Products
6A	78	SE	The Energy Workshop Ltd	414580 416980	The Media Centre 7, Northumberland Street, Huddersfield, HD1 1RL	Electronic Equipment	Industrial Products
7A	78	SE	The Really Useful Guides	414580 416980	The Media Centre 7, Northumberland Street, Huddersfield, HD1 1RL	Published Goods	Industrial Products
8A	78	SE	Bella Home Direct Ltd	414580 416980	The Media Centre 7, Northumberland Street, Huddersfield, HD1 1RL	Office and Shop Equipment	Industrial Products
9	85	S	Huddersfield Cloth Ltd	414518 416953	29, Byram Street, Huddersfield, HD1 1DY	Textiles, Fabrics, Silk and Machinery	Industrial Products
10	86	SE	Media 21a	414609 416998	Flat 1 Creative Lofts 15, Northumberland Street, Huddersfield, HD1 1RL	Published Goods	Industrial Products
11	95	N	Tesco Huddersfield	414481 417150	Viaduct Street, Huddersfield, West Yorkshire, HD1 1RW	Petrol and Fuel Stations	Road and Rail
12	104	NE	Electricity Sub Station	414620 417122	HD1	Electrical Features	Infrastructure and Facilities
13	108	S	Electricity Sub Station	414477 416937	HD1	Electrical Features	Infrastructure and Facilities
14	132	SE	Warehouse	414631 416953	HD1	Container and Storage	Transport, Storage and Delivery
15	141	E	Electricity Sub Station	414680 417055	HD1	Electrical Features	Infrastructure and Facilities
16	152	NE	Radiant Works	414672 417127	HD1	Unspecified Works Or Factories	Industrial Features
17	154	NE	Coral Windows	414607 417200	94-98, Northgate, Huddersfield, HD1 6AR	Glass	Industrial Products

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
18C	165	S	Amplifon	414503 416874	Ultra Tone Hearing Aid Centre 14, Byram Street, Huddersfield, HD1 1DR	Disability and Mobility Equipment	Consumer Products
19B	166	E	Rapid Hire Centres	414703 417071	Bush House 1, Leeds Road, Huddersfield, HD1 6DG	Construction and Tool Hire	Hire Services
20B	167	E	Warehouse	414705 417066	HD1	Container and Storage	Transport, Storage and Delivery
21C	171	S	Martial Arts Illustrated	414503 416868	Revenue Chambers, St. Peters Street, Huddersfield, HD1 1DL	Published Goods	Industrial Products
22	176	S	Crompton Healthcare	414543 416865	Melbourne Mill, Albert Street, Huddersfield, HD1 3QH	Clothing, Components and Accessories	Consumer Products
23	177	NW	Works	414353 417147	HD1	Unspecified Works Or Factories	Industrial Features
24G	185	N	The M O T Centre	414503 417249	Majestic House, Viaduct Street, Huddersfield, HD1 6AJ	Vehicle Repair, Testing and Servicing	Repair and Servicing
25	186	NE	Speciality Cars	414651 417209	32a, Lower Fitzwilliam Street, Huddersfield, HD1 6AS	Secondhand Vehicles	Motoring
26E	189	N	Electricity Sub Station	414451 417239	HD1	Electrical Features	Infrastructure and Facilities
27D	191	N	Perrys Jaguar	414546 417257	Northgate, Huddersfield, HD1 6AP	New Vehicles	Motoring
28D	191	N	Perrys Motor Sales	414546 417257	Northgate, Huddersfield, HD1 6AP	New Vehicles	Motoring
29E	192	N	Electricity Sub Station	414452 417243	HD1	Electrical Features	Infrastructure and Facilities
30F	193	S	White Widows	414611 416867	17a, Lord Street, Huddersfield, HD1 1QA	Horticultural Equipment	Industrial Products
31F	193	S	Kirklees Guns	414611 416867	17, Lord Street, Huddersfield, HD1 1QA	Arms and Ammunition	Industrial Products
32G	196	N	Murphy's Garage Ltd	414482 417257	17, Viaduct Street, Huddersfield, HD1 6AJ	Vehicle Repair, Testing and Servicing	Repair and Servicing
33	205	SE	Chimney	414640 416869	HD1	Chimneys	Industrial Features
34	211	SE	Electricity Sub Station	414726 416950	HD1	Electrical Features	Infrastructure and Facilities
35	212	W	Warehouse	414303 417120	HD1	Container and Storage	Transport, Storage and Delivery
36	214	W	Pennine Radio Ltd	414296 417100	82, Fitzwilliam Street, Huddersfield, HD1 5BE	Electrical and Electronic Engineers	Engineering Services
37	222	NE	Great Northern Street Motors	414688 417224	22, Lower Fitzwilliam Street, Huddersfield, HD1 6BE	Vehicle Repair, Testing and Servicing	Repair and Servicing
38	223	S	Jones Steel Ltd	414443 416827	St. Peters Building 4, St. Peters Street, Huddersfield, HD1 1RA	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
39	223	SW	Huddersfield Rail Station	414334 416905	HD1	Railway Stations, Junctions and Halts	Public Transport, Stations and Infrastructure
40	230	NW	Works	414294 417148	HD1	Unspecified Works Or Factories	Industrial Features
41	239	W	Works	414273 417109	HD1	Unspecified Works Or Factories	Industrial Features

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
42H	240	N	Pentagon Nissan	414602 417296	72, Northgate, Huddersfield, HD1 6AE	Vehicle Repair, Testing and Servicing	Repair and Servicing
43H	240	N	Pentagon Fiat	414602 417296	72, Northgate, Huddersfield, HD1 6AE	New Vehicles	Motoring
44	244	E	Electricity Sub Station	414759 417156	HD1	Electrical Features	Infrastructure and Facilities

4.2 Petrol and Fuel Sites

Records of petrol or fuel sites within 500m of the study site:

4

The following petrol or fuel site records provided by Catalist are represented as points on the Current Land Use map:

ID	Distance (m)	Direction	NGR	Company	Address	LPG	Status
45	116	N	414478 417171	Tesco	Tesco Huddersfield, Viaduct Street, Huddersfield, West Yorkshire, HD1 1RW	No	Open
46I	385	SE	414774 416742	Sainsburys	Sainsburys Shorehead, Southgate, Shorehead, Huddersfield, West Yorkshire, HD1 6QR	No	Open
47I	399	SE	414784 416732	Obsolete	Shell Southgate, A62, Southgate, Huddersfield, West Yorkshire, HD1 6QR	Not Applicable	Obsolete
48	468	N	414529 417535	Texaco	Bridge Service Station, 38, Bradford Road, Huddersfield, West Yorkshire, HD1 6LJ	Yes	Open

4.3 National Grid High Voltage Underground Electricity Transmission Cables

This dataset identifies the high voltage electricity transmission lines running between generating power plants and electricity substations. The dataset does not include the electricity distribution network (smaller, lower voltage cables distributing power from substations to the local user network). This information has been extracted from databases held by National Grid and is provided for information only with no guarantee as to its completeness or accuracy. National Grid do not offer any warranty as to the accuracy of the available data and are excluded from any liability for any such inaccuracies or errors.

Records of National Grid high voltage underground electricity transmission cables within 500m of the study site:

0

Database searched and no data found.

4.4 National Grid High Pressure Gas Transmission Pipelines

This dataset identifies high-pressure, large diameter pipelines which carry gas between gas terminals, power stations, compressors and storage facilities. The dataset does not include the Local Transmission System (LTS) which supplies gas directly into homes and businesses. This information has been extracted from databases held by National Grid and is provided for information only with no guarantee as to its completeness or accuracy. National Grid do not offer any warranty as to the accuracy of the available data and are excluded from any liability for any such inaccuracies or errors.

Records of National Grid high pressure gas transmission pipelines within 500m of the study site: 0

Database searched and no data found.

5. Geology

5.1 Artificial Ground and Made Ground

The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
MGR-MGRD	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

5.2 Superficial Ground and Drift Geology

The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
HEAD	HEAD	CLAY, SILT, SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]

5.3 Bedrock and Solid Geology

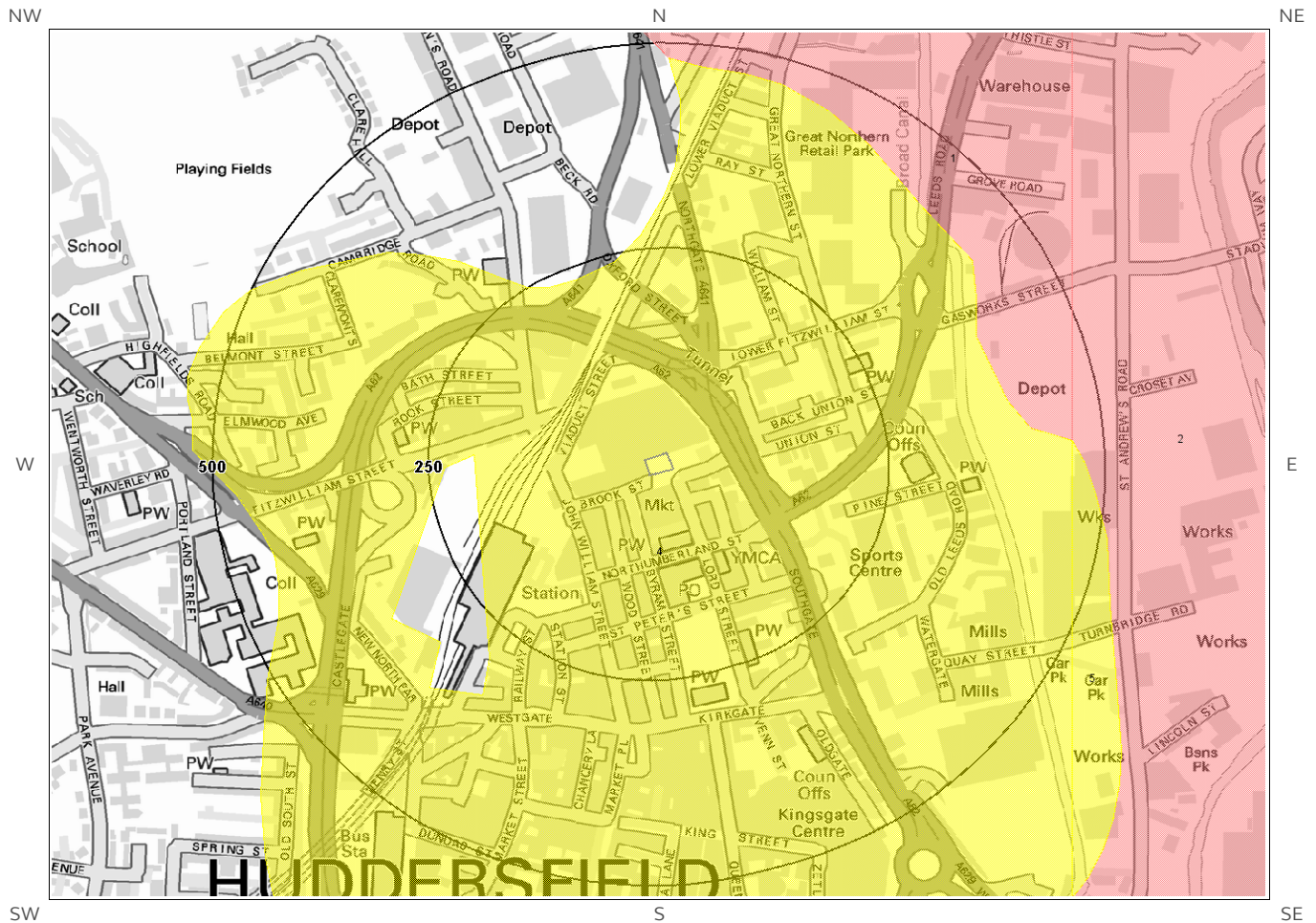
The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION	MUDSTONE, SILTSTONE AND SANDSTONE

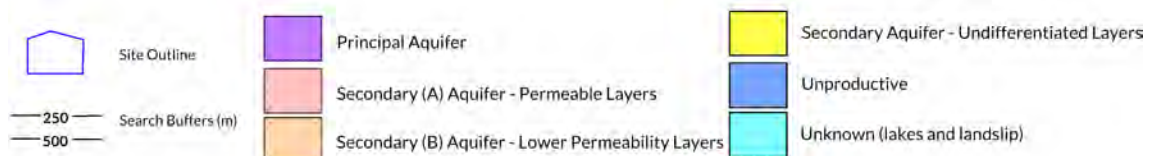
(Derived from the BGS 1:50,000 Digital Geological Map of Great Britain)

6 Hydrogeology and Hydrology

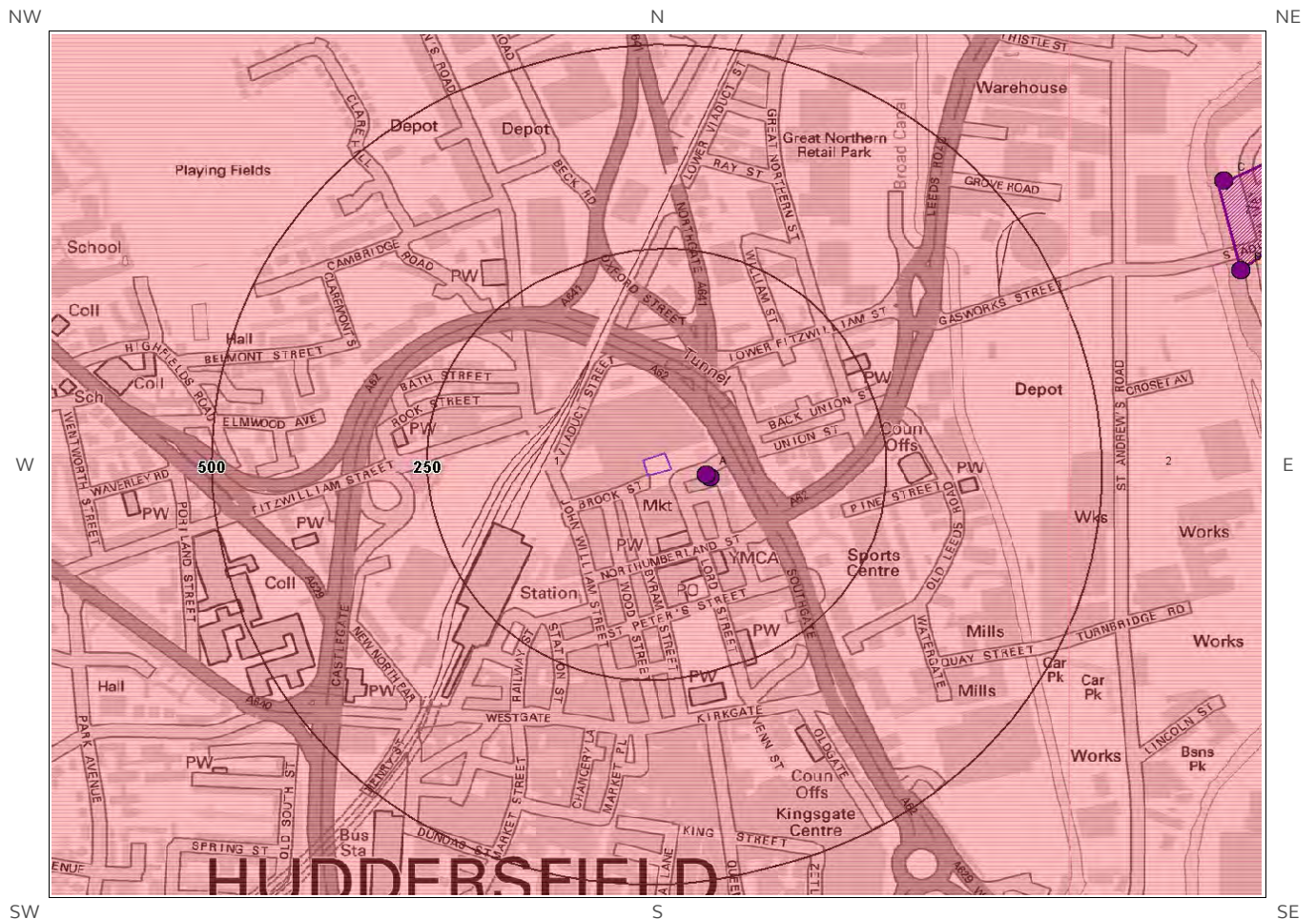
6a. Aquifer Within Superficial Geology



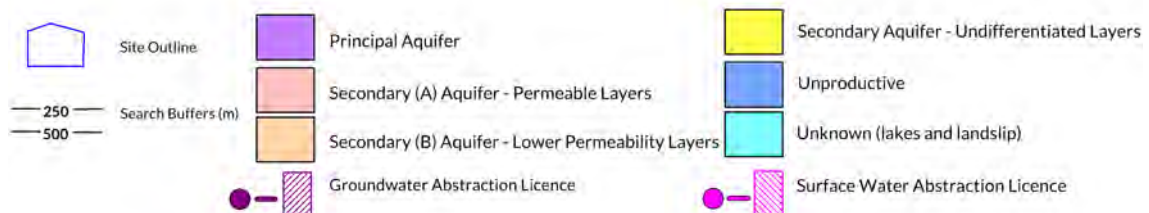
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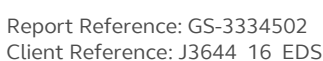
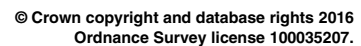


6b. Aquifer Within Bedrock Geology and Abstraction Licenses

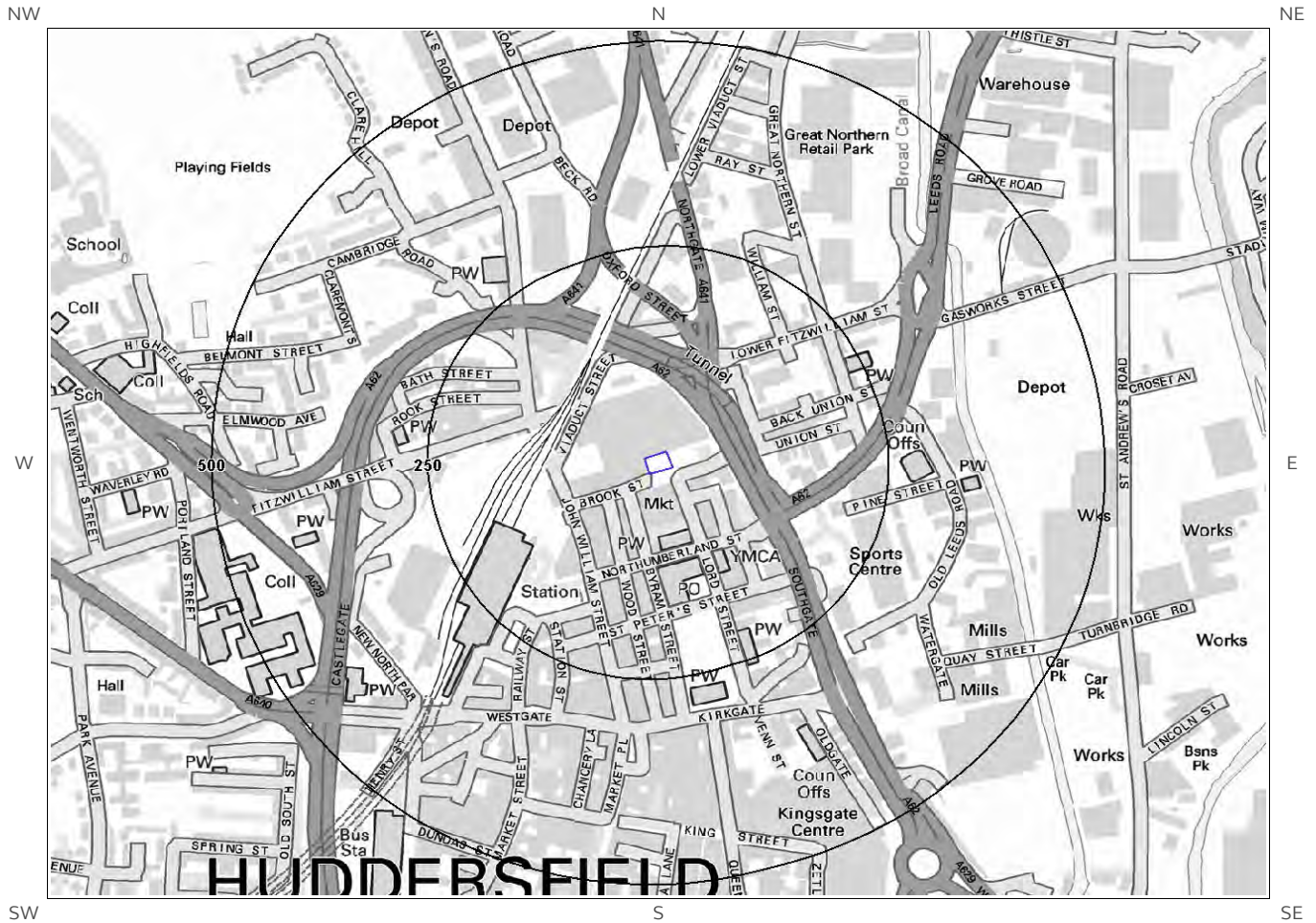


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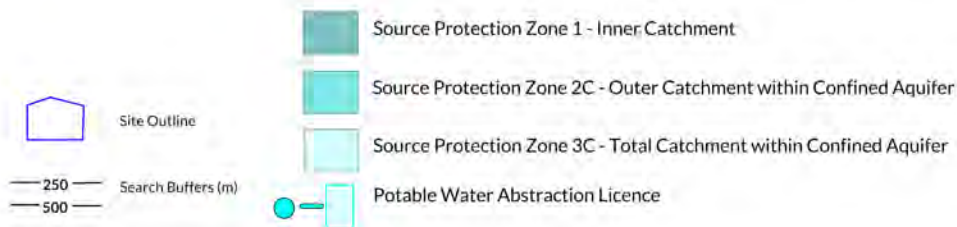




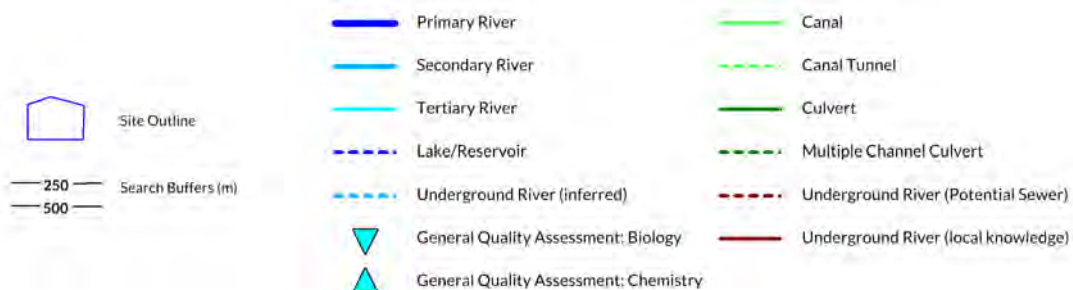
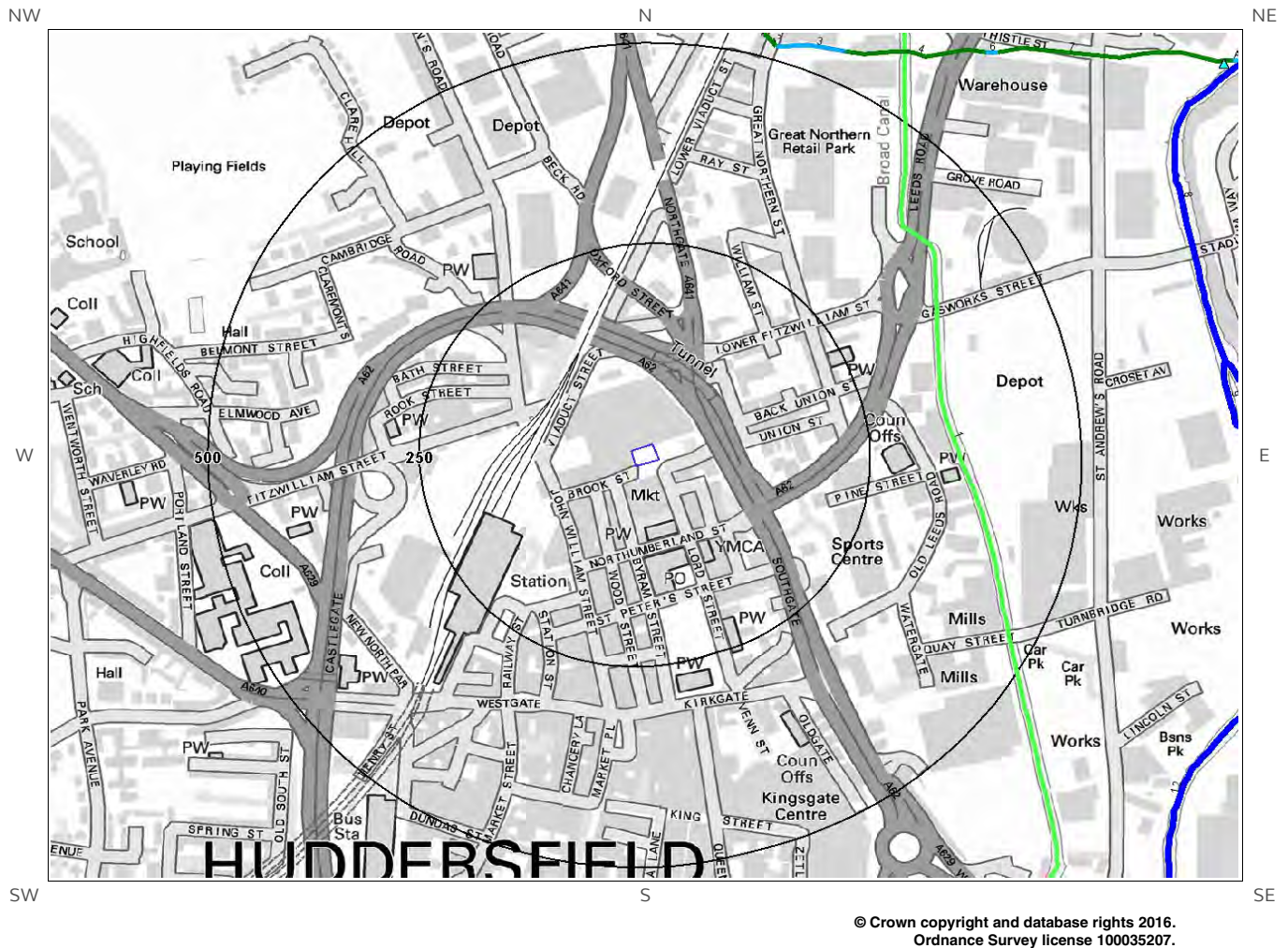
6d. Hydrogeology – Source Protection Zones within confined aquifer



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6e. Hydrology – Detailed River Network and River Quality



6. Hydrogeology and Hydrology

6.1 Aquifer within Superficial Deposits

Are there records of strata classification within the superficial geology at or in proximity to the property?
Yes

From 1 April 2010, the Environment Agency's Groundwater Protection Policy has been using aquifer designations consistent with the Water Framework Directive. For further details on the designation and interpretation of this information, please refer to the Groundsure Enviro Insight User Guide.

The following aquifer records are shown on the Aquifer within Superficial Geology Map (6a):

ID	Distance (m)	Direction	Designation	Description
4	0	On Site	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
1	385	E	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	461	E	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
2	462	E	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

6.2 Aquifer within Bedrock Deposits

Are there records of strata classification within the bedrock geology at or in proximity to the property? Yes

From 1 April 2010, the Environment Agency's Groundwater Protection Policy has been using aquifer designations consistent with the Water Framework Directive. For further details on the designation and interpretation of this information, please refer to the Groundsure Enviro Insight User Guide.

The following aquifer records are shown on the Aquifer within Bedrock Geology Map (6b):

ID	Distance (m)	Direction	Designation	Description
1	0	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	461	E	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

6.3 Groundwater Abstraction Licences

Are there any Groundwater Abstraction Licences within 2000m of the study site?

Yes

The following Abstraction Licences records are represented as points, lines and regions on the Aquifer within Bedrock Geology Map (6b):

ID	Distance (m)	Direction	NGR	Details
3A	42	E	414580 417040	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 Annual Volume (m³): 2400 Max Daily Volume (m³): 85 Original Application No: 8256 Original Start Date: 18/5/2007 Expiry Date: 31/3/2015 Issue No: 2 Version Start Date: 1/4/2008 Version End Date:
4A	46	E	414584 417037	Status: Historical Licence No: 2/27/11/193/R01 Details: Heat Pump Direct Source: Groundwaters Point: Borehole - Coal Measures - Huddersfield Data Type: Point Name: Kirklees Council Annual Volume (m³): 28000 Max Daily Volume (m³): 312.2 Original Application No: NPS/WR/018568 Original Start Date: 17/4/2015 Expiry Date: 31/3/2027 Issue No: 1 Version Start Date: 17/4/2015 Version End Date:
5B	704	E	415200 417290	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 Annual Volume (m³): 3527696 Max Daily Volume (m³): 6000.84 Original Application No: 666 Original Start Date: 27/1/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/10/2006 Version End Date:
6B	704	E	415200 417290	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 Annual Volume (m³): 3527696 Max Daily Volume (m³): 6000.84 Original Application No: 666 Original Start Date: 27/1/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/10/2006 Version End Date:
7	704	E	416690 418150	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: Region Name: ZENECA FINE CHEMICAL MANUFACTURING ORGANISATION Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: 666 Original Start Date: 27/1/1966 Expiry Date: - Issue No: 100 Version Start Date: 27/1/1966 Version End Date:
8C	729	NE	415180 417400	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 Annual Volume (m³): 3527696 Max Daily Volume (m³): 6000.84 Original Application No: 666 Original Start Date: 27/1/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/10/2006 Version End Date:

ID	Distance (m)	Direction	NGR	Details
9C	729	NE	415180 417400	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 Annual Volume (m³): 3527696 Max Daily Volume (m³): 6000.84 Original Application No: 666 Original Start Date: 27/1/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/10/2006 Version End Date:
Not shown	801	NW	414140 417770	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 Annual Volume (m³): 360000 Max Daily Volume (m³): 1200 Original Application No: 679 Original Start Date: 14/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 1/1/2009 Version End Date:
Not shown	834	N	414500 417900	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: Groundwaters Point: Borehole Data Type: Point Name: BENJAMIN SHAW & SONS LTD Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: 679 Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 26/3/1999 Version End Date:
Not shown	834	N	414500 417900	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 Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: 00679 Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 26/3/1999 Version End Date:
Not shown	864	N	414210 417870	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 Annual Volume (m³): 360000 Max Daily Volume (m³): 1200 Original Application No: 679 Original Start Date: 14/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 1/1/2009 Version End Date:
Not shown	864	N	414210 417870	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: Groundwaters Point: Borehole Data Type: Point Name: BENJAMIN SHAW & SONS LTD Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: 679 Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 26/3/1999 Version End Date:
Not shown	864	N	414210 417870	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: Groundwaters Point: Borehole - Millstone Grit Data Type: Point Name: BRITVIC SOFT DRINKS LTD Annual Volume (m³): 360000 Max Daily Volume (m³): 1200 Original Application No: 679 Original Start Date: 14/12/1965 Expiry Date: - Issue No: 101 Version Start Date: 1/11/2004 Version End Date:
Not shown	879	N	414250 417900	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 Annual Volume (m³): 360000 Max Daily Volume (m³): 1200 Original Application No: 679 Original Start Date: 14/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 1/1/2009 Version End Date:

ID	Distance (m)	Direction	NGR	Details
Not shown	1043	S	414600 416000	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 Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: 6683 Original Start Date: 20/8/1995 Expiry Date: - Issue No: 101 Version Start Date: 8/2/2001 Version End Date:
Not shown	1043	S	414600 416000	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 Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: 06683 Original Start Date: 20/8/1995 Expiry Date: - Issue No: 101 Version Start Date: 8/2/2001 Version End Date:
Not shown	1044	NE	415000 418000	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 Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: 6256 Original Start Date: 24/5/1990 Expiry Date: - Issue No: 100 Version Start Date: 24/5/1990 Version End Date:
Not shown	1044	NE	415000 418000	Status: Historical 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 Annual Volume (m³): 136410 Max Daily Volume (m³): 637.07 Original Application No: 6256 Original Start Date: 24/5/1990 Expiry Date: - Issue No: 100 Version Start Date: 24/5/1990 Version End Date:
Not shown	1045	S	414400 416000	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 Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: 06683 Original Start Date: 20/8/1995 Expiry Date: - Issue No: 101 Version Start Date: 8/2/2001 Version End Date:
Not shown	1152	SW	413830 416110	Status: Historical Licence No: 2/27/11/190 Details: Process Water Direct Source: Groundwaters Point: Borehole-millstone Grit-huddersfield Data Type: Point Name: SKA TEXTILES LTD Annual Volume (m³): 465000 Max Daily Volume (m³): 1272 Original Application No: 8135 Original Start Date: 4/2/2005 Expiry Date: 31/12/2010 Issue No: 2 Version Start Date: 18/4/2006 Version End Date:
Not shown	1234	SW	413794 416036	Status: Historical Licence No: NE/027/0011/006 Details: Process Water Direct Source: Groundwaters Point: Borehole-millstone Grit-huddersfield Data Type: Point Name: SKA TEXTILES LTD Annual Volume (m³): 200000 Max Daily Volume (m³): 1272 Original Application No: NPS/WR/004875 Original Start Date: 6/1/2011 Expiry Date: 31/3/2027 Issue No: 1 Version Start Date: 6/1/2011 Version End Date:
Not shown	1437	SE	415700 416200	Status: Historical 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 Annual Volume (m³): 36754 Max Daily Volume (m³): 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	Distance (m)	Direction	NGR	Details	
Not shown	1437	SE	415700 416200	Status: Historical 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	Annual Volume (m³): 105854 Max Daily Volume (m³): 390.95 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:
Not shown	1437	SE	415700 416200	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	Annual Volume (m³): 36754 Max Daily Volume (m³): 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:
Not shown	1437	SE	415700 416200	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	Annual Volume (m³): 105854 Max Daily Volume (m³): 390.956 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:
Not shown	1437	SE	415700 416200	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	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: 156701 Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1965 Version End Date:
Not shown	1437	SE	415700 416200	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	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: 156702 Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1965 Version End Date:

6.4 Surface Water Abstraction Licences

Are there any Surface Water Abstraction Licences within 2000m of the study site?

Yes

The following Surface Water Abstraction Licences records are represented as points, lines and regions on the Aquifer within Bedrock Geology Map (6b):

ID	Distance (m)	Direction	NGR	Details
Not shown	597	NE	414800 417600	Status: Historical Licence No: 2/27/11/182 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Surface Water Point: Huddersfield Broad Canal Data Type: Point Name: BRITISH WATERWAYS Annual Volume (m³): 170000 Max Daily Volume (m³): 750 Application No: 6871 Original Start Date: 10/7/1998 Expiry Date: 31/12/2006 Issue No: 100 Version Start Date: 10/7/1998 Version End Date:
Not shown	698	S	414800 416400	Status: Historical Licence No: 2/27/11/160 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Surface Water Point: Huddersfield Canal Data Type: Point Name: BRITISH WATERWAYS BOARD Annual Volume (m³): - Max Daily Volume (m³): - Application No: 5273 Original Start Date: 1/3/1974 Expiry Date: - Issue No: 100 Version Start Date: 17/11/1993 Version End Date:
Not shown	754	NE	414830 417760	Status: Active Licence No: 2/27/11/158 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Surface Water Point: Huddersfield Broad Canal - Huddersfield Incinerator Data Type: Point Name: Canal and River Trust Annual Volume (m³): 273000 Max Daily Volume (m³): 1090 Application No: 5182 Original Start Date: 27/10/1972 Expiry Date: - Issue No: 103 Version Start Date: 21/1/2008 Version End Date:
Not shown	754	NE	414830 417760	Status: Historical Licence No: 2/27/11/158 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Surface Water Point: Huddersfield Broad Canal Data Type: Point Name: BRITISH WATERWAYS BOARD Annual Volume (m³): - Max Daily Volume (m³): - Application No: 5182 Original Start Date: 27/10/1972 Expiry Date: - Issue No: 102 Version Start Date: 26/10/1999 Version End Date:
Not shown	763	SE	414870 416360	Status: Active Licence No: 2/27/11/160 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Surface Water Point: Huddersfield Canal Data Type: Point Name: Canal and River Trust Annual Volume (m³): 700000 Max Daily Volume (m³): 3600 Application No: 5273 Original Start Date: 1/3/1974 Expiry Date: - Issue No: 102 Version Start Date: 21/1/2008 Version End Date:
Not shown	837	S	414690 416080	Status: Active Licence No: 2/27/11/175 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Surface Water Point: Huddersfield Narrow Canal Data Type: Line Name: Canal and River Trust Annual Volume (m³): 1250000 Max Daily Volume (m³): 3960 Application No: 6636 Original Start Date: 22/9/1994 Expiry Date: - Issue No: 103 Version Start Date: 21/1/2008 Version End Date:

ID	Distance (m)	Direction	NGR	Details
Not shown	933	S	414650 416010	Status: Historical Licence No: 2/27/11/175 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Surface Water Point: Huddersfield Narrow Canal Data Type: Line Name: BRITISH WATERWAYS BOARD Annual Volume (m³): - Max Daily Volume (m³): - Application No: 6636 Original Start Date: 22/9/1994 Expiry Date: - Issue No: 101 Version Start Date: 10/3/2003 Version End Date:
Not shown	1009	S	414179 416087	Status: Active Licence No: NE/027/0011/011 Details: Non-Evaporative Cooling Direct Source: Surface Water Point: Huddersfield Narrow Canal Data Type: Point Name: Canal and River Trust Annual Volume (m³): 1684800 Max Daily Volume (m³): 7560 Application No: NPS/WR/008366 Original Start Date: 24/4/2012 Expiry Date: 31/3/2027 Issue No: 1 Version Start Date: 24/4/2012 Version End Date:
Not shown	1038	S	414650 416010	Status: Historical Licence No: 2/27/11/175 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Surface Water Point: Huddersfield Narrow Canal Data Type: Line Name: BRITISH WATERWAYS BOARD Annual Volume (m³): - Max Daily Volume (m³): - Application No: 6636 Original Start Date: 22/9/1994 Expiry Date: - Issue No: 100 Version Start Date: 22/9/1994 Version End Date:
Not shown	1044	NE	415000 418000	Status: Historical Licence No: 2/27/11/131 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Surface Water Point: Huddersfield Canal Data Type: Point Name: BRITISH WATERWAYS Annual Volume (m³): - Max Daily Volume (m³): - Application No: 02266 Original Start Date: 26/5/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/2/1993 Version End Date:
Not shown	1044	NE	415000 418000	Status: Historical Licence No: 2/27/11/131 Details: General use relating to Secondary Category (Very Low Loss) Direct Source: Surface Water Point: Huddersfield Canal Data Type: Point Name: BRITISH WATERWAYS Annual Volume (m³): - Max Daily Volume (m³): - Application No: 02266 Original Start Date: 26/5/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/2/1993 Version End Date:
Not shown	1044	NE	415000 418000	Status: Active Licence No: 2/27/11/131 Details: Process Water Direct Source: Surface Water Point: Huddersfield Canal Data Type: Point Name: Canal and River Trust Annual Volume (m³): 400000 Max Daily Volume (m³): 1800 Application No: 2266 Original Start Date: 26/5/1966 Expiry Date: - Issue No: 101 Version Start Date: 21/1/2008 Version End Date:
Not shown	1044	NE	415000 418000	Status: Active Licence No: 2/27/11/131 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Surface Water Point: Huddersfield Canal Data Type: Point Name: Canal and River Trust Annual Volume (m³): 400000 Max Daily Volume (m³): 1800 Application No: 2266 Original Start Date: 26/5/1966 Expiry Date: - Issue No: 101 Version Start Date: 21/1/2008 Version End Date:
Not shown	1278	S	414200 415800	Status: Historical Licence No: 2/27/10/009 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Surface Water Point: River Holme - Huddersfield Data Type: Point Name: TAYLOR & LODGE LTD Annual Volume (m³): 54552 Max Daily Volume (m³): 327.31 Application No: 654 Original Start Date: 1/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 1/12/1965 Version End Date:

ID	Distance (m)	Direction	NGR	Details
Not shown	1278	S	414200 415800	Status: Historical Licence No: 2/27/10/009 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Surface Water Point: River Holme Data Type: Point Name: TAYLOR & LODGE LTD Annual Volume (m³): 54552 Max Daily Volume (m³): 327.312 Application No: 654 Original Start Date: 1/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 1/12/1965 Version End Date:

6.5 Potable Water Abstraction Licences

Are there any Potable Water Abstraction Licences within 2000m of the study site? Yes

The following Potable Water Abstraction Licences records are represented as points, lines and regions on the SPZ and Potable Water Abstraction Licences Map (6c):

ID	Distance (m)	Direction	NGR	Details
Not shown	801	NW	414140 417770	Status: Active 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 Annual Volume (m³): 360000 Max Daily Volume (m³): 1200 Original Application No: 679 Original Start Date: 14/12/1965 Expiry Date: - Issue No: 102 Version Start Date: Version End Date:
Not shown	834	N	414500 417900	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 Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: 00679 Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:
Not shown	834	N	414500 417900	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: Groundwaters Point: Borehole Data Type: Point Name: BENJAMIN SHAW & SONS LTD Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: 679 Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:
Not shown	864	N	414210 417870	Status: Active 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 Annual Volume (m³): 360000 Max Daily Volume (m³): 1200 Original Application No: 679 Original Start Date: 14/12/1965 Expiry Date: - Issue No: 102 Version Start Date: Version End Date:
Not shown	864	N	414210 417870	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: Groundwaters Point: Borehole Data Type: Point Name: BENJAMIN SHAW & SONS LTD Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: 679 Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:

ID	Distance (m)	Direction	NGR	Details	
Not shown	864	N	414210 417870	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: Groundwaters Point: Borehole - Millstone Grit Data Type: Point Name: BRITVIC SOFT DRINKS LTD	Annual Volume (m³): 360000 Max Daily Volume (m³): 1200 Original Application No: 679 Original Start Date: 14/12/1965 Expiry Date: - Issue No: 101 Version Start Date: Version End Date:
Not shown	879	N	414250 417900	Status: Active 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	Annual Volume (m³): 360000 Max Daily Volume (m³): 1200 Original Application No: 679 Original Start Date: 14/12/1965 Expiry Date: - Issue No: 102 Version Start Date: Version End Date:

6.6 Source Protection Zones

Are there any Source Protection Zones within 500m of the study site?

No

Database searched and no data found.

6.7 Source Protection Zones within Confined Aquifer

Are there any Source Protection Zones within the Confined Aquifer within 500m of the study site?

No

Historically, Source Protection Zone maps have been focused on regulation of activities which occur at or near the ground surface, such as prevention of point source pollution and bacterial contamination of water supplies. Sources in confined aquifers were often considered to be protected from these surface pressures due to the presence of a low permeability confining layer (e.g. glacial till, clay). The increased interest in subsurface activities such as onshore oil and gas exploration, ground source heating and cooling requires protection zones for confined sources to be marked on SPZ maps where this has not already been done.

Database searched and no data found.

6.8 Groundwater Vulnerability and Soil Leaching Potential

Is there any Environment Agency information on groundwater vulnerability and soil leaching potential within 500m of the study site?

Yes

Distance (m)	Direction	Classification	Soil Vulnerability Category	Description
0	On Site	Minor Aquifer/High Leaching Potential	HU	Soil information for urban areas and restored mineral workings. These soils are therefore assumed to be highly permeable in the absence of site-specific information.

6.9 River Quality

Is there any Environment Agency information on river quality within 1500m of the study site?

Yes

6.9.1 Biological Quality:

Biological Quality data describes water quality in terms of 83 groups of macroinvertebrates, some of which are pollution sensitive. The results are graded from A ('Very Good') to F ('Bad').

The following Biological Quality records are shown on the Hydrology Map (6e):

ID	Distance (m)	Direction	NGR	River Quality Grade	Biological Quality Grade				
					2005	2006	2007	2008	2009
Not shown	1257	S	414300 415800	River Name: Holme Reach: Mag Brook River Colne End/Start of Stretch: End of Stretch NGR	E	E	E	E	E

6.9.2 Chemical Quality:

Chemical quality data is based on the General Quality Assessment Headline Indicators scheme (GQAHI). In England, each chemical sample is measured for ammonia and dissolved oxygen. In Wales, the samples are measured for biological oxygen demand (BOD), ammonia and dissolved oxygen. The results are graded from A ('Very Good') to F ('Bad').

The following Chemical Quality records are shown on the Hydrology Map (6e):

ID	Distance (m)	Direction	NGR	River Quality Grade	Chemical Quality Grade				
					2005	2006	2007	2008	2009
29A	824	NE	415207 417539	River Name: River Colne Reach: Hebble Brook Fenay Beck End/Start of Stretch: Start of Stretch NGR	B	B	B	B	A
30A	824	NE	415207 417539	River Name: River Colne Reach: Sir John Ramsden Canhebble Brook End/Start of Stretch: End of Stretch NGR	B	B	B	B	A
Not shown	964	SE	415000 416200	River Name: River Colne Reach: Sir John Ramsden Canhebble Brook End/Start of Stretch: Start of Stretch NGR	B	B	B	B	A
Not shown	964	SE	415000 416200	River Name: River Colne Reach: River Holme Sir John Ramsden Can End/Start of Stretch: End of Stretch NGR	A	A	A	A	A
Not shown	1213	S	414695 415840	River Name: River Colne Reach: River Holme Sir John Ramsden Can End/Start of Stretch: Sample Point NGR	A	A	A	A	A
Not shown	1244	S	414292 415815	River Name: River Colne Reach: Longwood Beck River Holme End/Start of Stretch: End of Stretch NGR	B	A	A	A	A
Not shown	1244	S	414292 415815	River Name: River Colne Reach: River Holme Sir John Ramsden Can End/Start of Stretch: Start of Stretch NGR	A	A	A	A	A
Not shown	1257	S	414300 415800	River Name: River Holme/ramsdens Clough Reach: Mag Brook River Colne End/Start of Stretch: End of Stretch NGR	B	B	B	A	A
Not shown	1335	S	414194 415742	River Name: River Holme/ramsdens Clough Reach: Mag Brook River Colne End/Start of Stretch: Sample Point NGR	B	B	B	A	A

6.10 Detailed River Network

Are there any Detailed River Network entries within 500m of the study site?

Yes

The following Detailed River Network records are represented on the Hydrology Map (6e):

ID	Distance (m)	Direction	Details	
1	342	E	River Name: Huddersfield Broad Canal Welsh River Name: - Alternative Name: -	River Type: Canal Main River Status: Currently Undefined

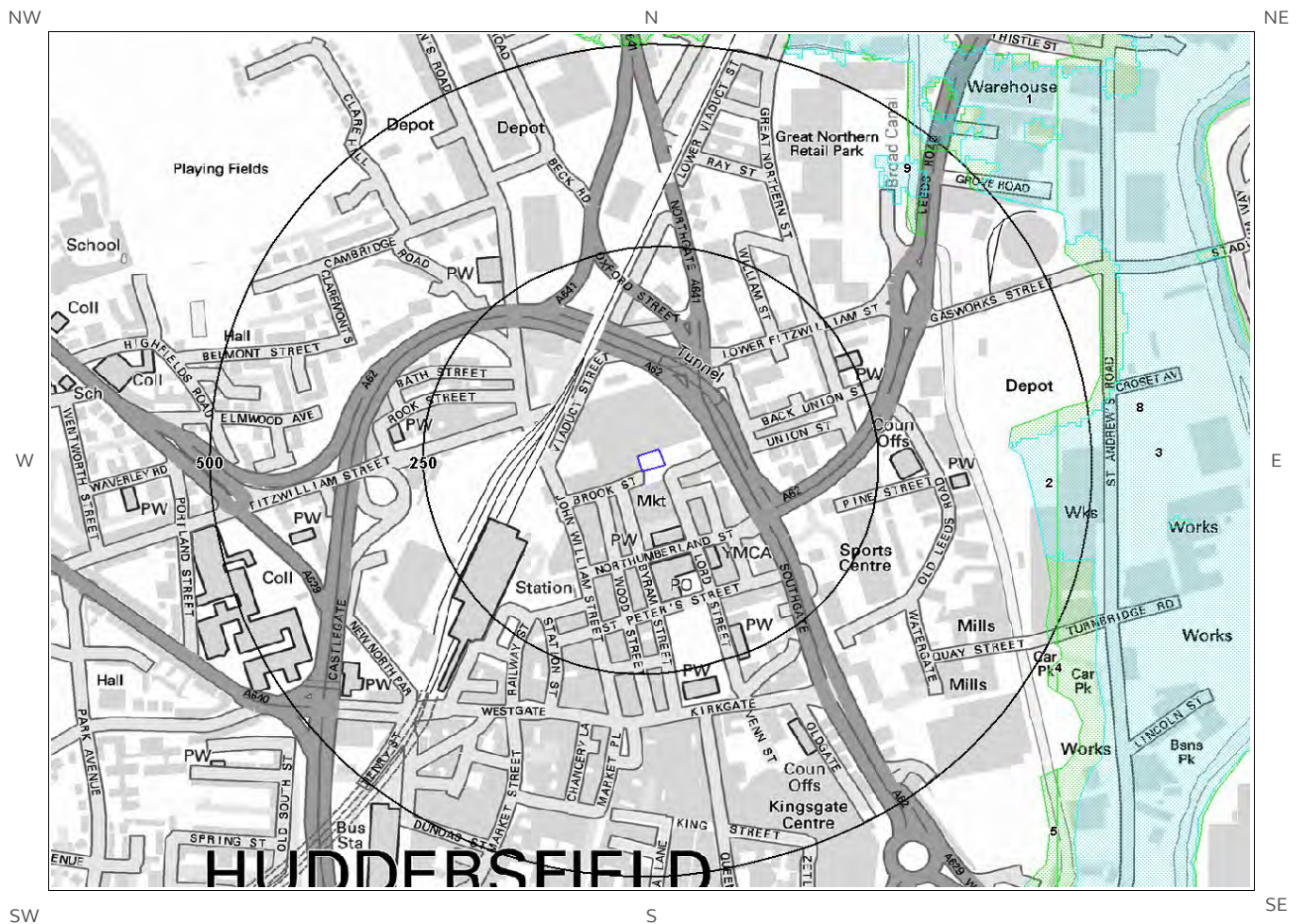
6.11 Surface Water Features

Are there any surface water features within 250m of the study site?

No

Database searched and no data found.

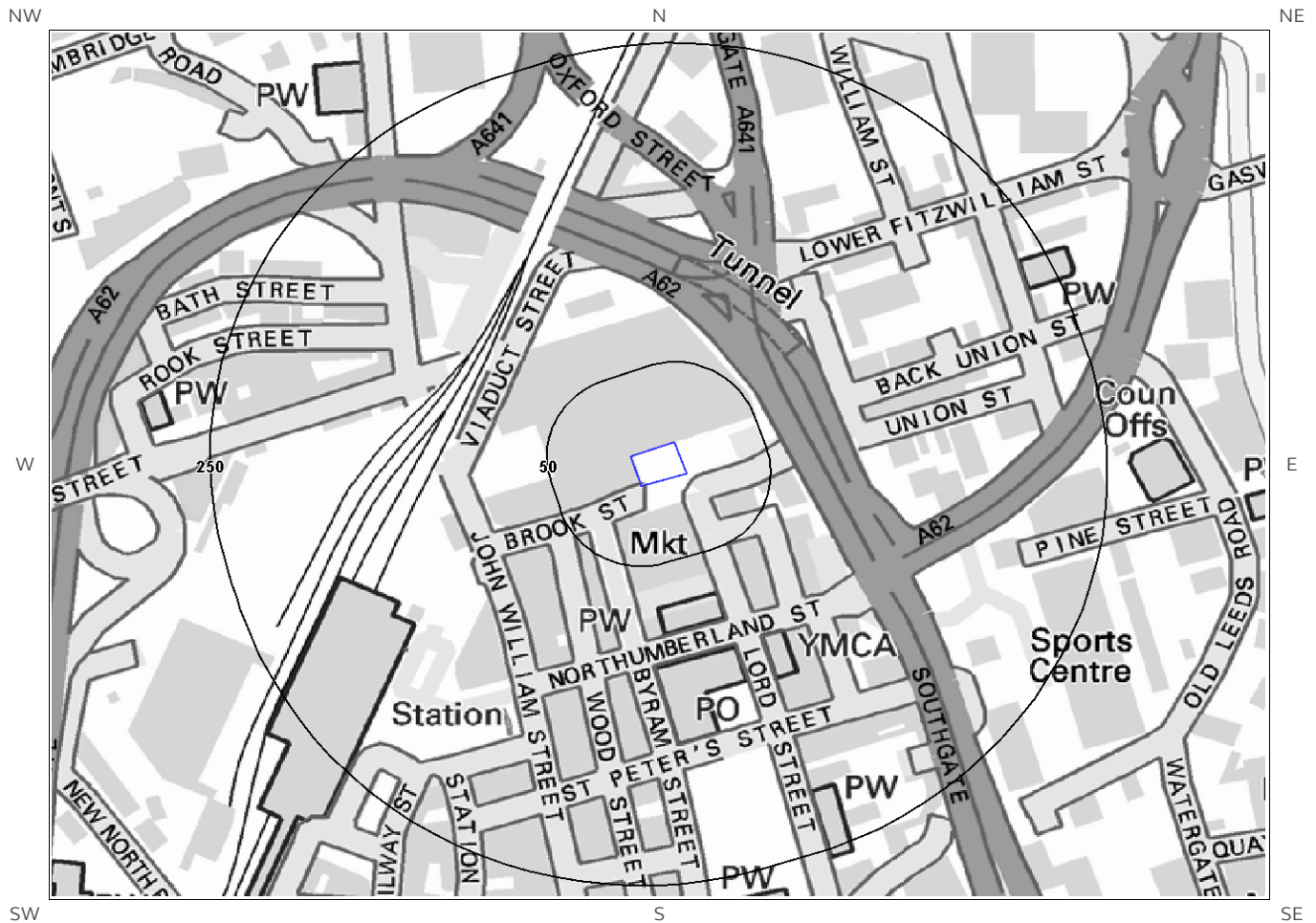
7a. Environment Agency Flood Map for Planning (from rivers and the sea)



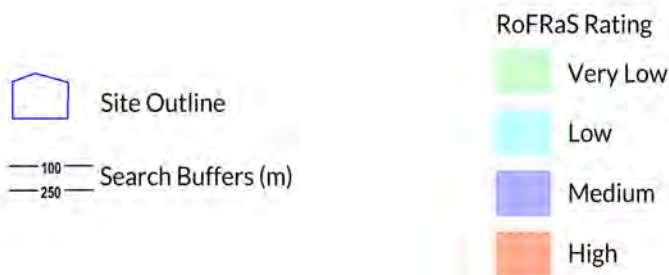
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7b. Environment Agency Risk of Flooding from Rivers and the Sea (RoFRaS) Map



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7 Flooding

7.1 River and Coastal Zone 2 Flooding

Is the site within 250m of an Environment Agency Zone 2 floodplain? No

Environment Agency Zone 2 floodplains estimate the annual probability of flooding as between 1 in 1000 (0.1%) and 1 in 100 (1%) from rivers and between 1 in 1000 (0.1%) and 1 in 200 (0.5%) from the sea. Any relevant data is represented on Map 7a – Flood Map for Planning:

Database searched and no data found.

7.2 River and Coastal Zone 3 Flooding

Is the site within 250m of an Environment Agency Zone 3 floodplain? No

Zone 3 shows the extent of a river flood with a 1 in 100 (1%) or greater chance of occurring in any year or a sea flood with a 1 in 200 (0.5%) or greater chance of occurring in any year. Any relevant data is represented on Map 7a – Flood Map for Planning.

Database searched and no data found.

7.3 Risk of Flooding from Rivers and the Sea (RoFRaS) Flood Rating

What is the highest risk of flooding onsite? Very Low

The Environment Agency RoFRaS database provides an indication of river and coastal flood risk at a national level on a 50m grid with the flood rating at the centre of the grid calculated and given above. The data considers the probability that the flood defences will overtop or breach by considering their location, type, condition and standard of protection.

RoFRaS data for the study site indicates the property is in an area with a Very Low (less than 1 in 1000) chance of flooding in any given year.

7.4 Flood Defences

Are there any Flood Defences within 250m of the study site? No
Database searched and no data found.

7.5 Areas benefiting from Flood Defences

Are there any areas benefiting from Flood Defences within 250m of the study site? No

7.6 Areas benefiting from Flood Storage

Are there any areas used for Flood Storage within 250m of the study site?

No

7.7 Groundwater Flooding Susceptibility Areas

7.7.1 Are there any British Geological Survey groundwater flooding susceptibility areas within 50m of the boundary of the study site? Yes

Does this relate to Clearwater Flooding or Superficial Deposits Flooding? Superficial Deposits Flooding

Notes: Groundwater flooding may either be associated with shallow unconsolidated sedimentary aquifers which overlie unproductive aquifers (Superficial Deposits Flooding), or with unconfined aquifers (Clearwater Flooding).

7.7.2 What is the highest susceptibility to groundwater flooding in the search area based on the underlying geological conditions?

Potential at Surface

Where potential for groundwater flooding to occur at surface is indicated, this means that given the geological conditions in the area groundwater flooding hazard should be considered in all land-use planning decisions. It is recommended that other relevant information e.g. records of previous incidence of groundwater flooding, rainfall, property type, and land drainage information be investigated in order to establish relative, but not absolute, risk of groundwater flooding.

7.8 Groundwater Flooding Confidence Areas

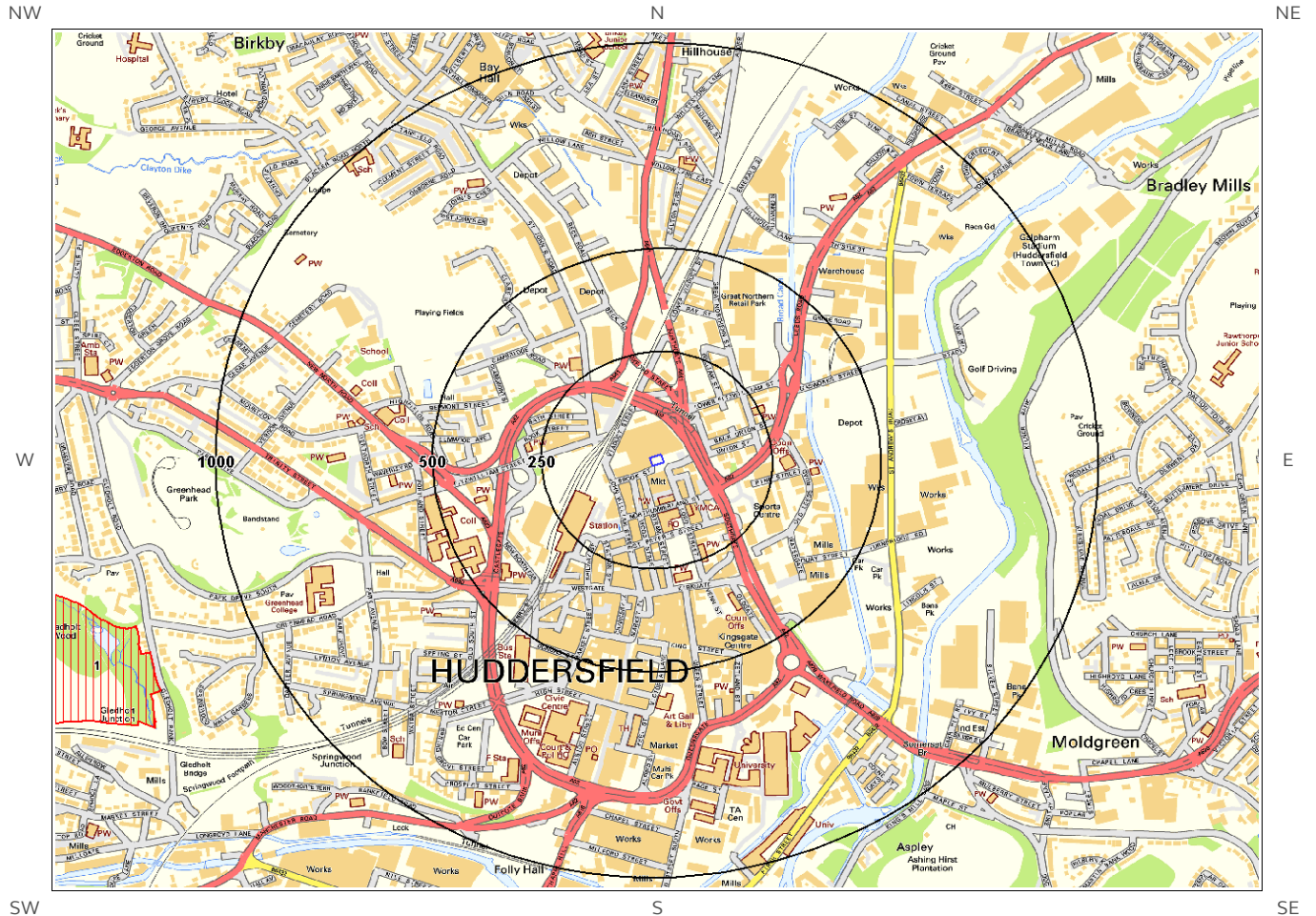
What is the British Geological Survey confidence rating in this result?

Low

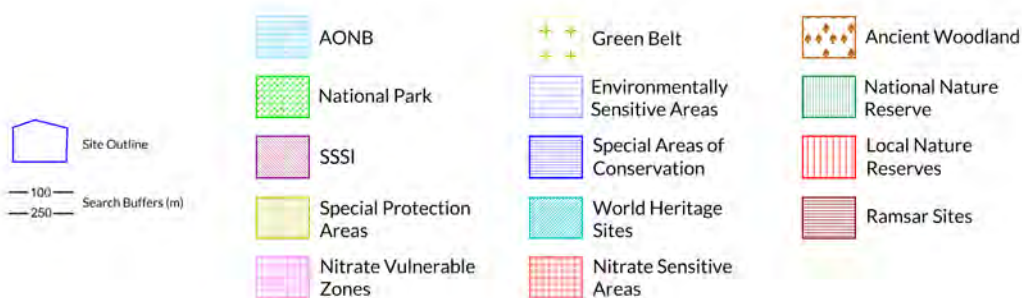
Notes: Groundwater flooding is defined as the emergence of groundwater at the ground surface or the rising of groundwater into man-made ground under conditions where the normal range of groundwater levels is exceeded.

The confidence rating is on a threefold scale - Low, Moderate and High. This provides a relative indication of the BGS confidence in the accuracy of the susceptibility result for groundwater flooding. This is based on the amount and precision of the information used in the assessment. In areas with a relatively lower level of confidence the susceptibility result should be treated with more caution. In other areas with higher levels of confidence the susceptibility result can be used with more confidence.

8. Designated Environmentally Sensitive Sites Map



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8. Designated Environmentally Sensitive Sites

Presence of Designated Environmentally Sensitive Sites within 2000m of the study site? Yes

8.1 Records of Sites of Special Scientific Interest (SSSI) within 2000m of the study site:

0

Database searched and no data found.

8.2 Records of National Nature Reserves (NNR) within 2000m of the study site:

0

Database searched and no data found.

8.3 Records of Special Areas of Conservation (SAC) within 2000m of the study site:

0

Database searched and no data found.

8.4 Records of Special Protection Areas (SPA) within 2000m of the study site:

0

Database searched and no data found.

8.5 Records of Ramsar sites within 2000m of the study site:

0

Database searched and no data found.

8.6 Records of Ancient Woodland within 2000m of the study site:

2

The following records of Designated Ancient Woodland provided by Natural England/Natural Resources Wales are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	Ancient Woodland Name	Data Source
Not shown	1878	SE	UNKNOWN	Ancient Replanted Woodland
Not shown	1953	NW	UNKNOWN	Ancient Replanted Woodland

8.7 Records of Local Nature Reserves (LNR) within 2000m of the study site:

1

The following Local Nature Reserve (LNR) records provided by Natural England/Natural Resources Wales are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	LNR Name	Data Source
1	1241	W	Gledholt Woods	Natural England

8.8 Records of World Heritage Sites within 2000m of the study site:

0

Database searched and no data found.

8.9 Records of Environmentally Sensitive Areas within 2000m of the study site:

0

Database searched and no data found.

8.10 Records of Areas of Outstanding Natural Beauty (AONB) within 2000m of the study site:

0

Database searched and no data found.

8.11 Records of National Parks (NP) within 2000m of the study site:

0

Database searched and no data found.

8.12 Records of Nitrate Sensitive Areas within 2000m of the study site:

0

Database searched and no data found.

8.13 Records of Nitrate Vulnerable Zones within 2000m of the study site:

0

Database searched and no data found.

8.14 Records of Green Belt land within 2000m of the study site:

2

Green Belt data contains Ordnance Survey data © Crown copyright and database right [2015].

ID	Distance	Direction	Green Belt Name	Local Authority Name
Not shown	1670	N	Liverpool, Manchester and West Yorks Greenbelt	Kirklees District (B)
Not shown	1819	SE	Liverpool, Manchester and West Yorks Greenbelt	Kirklees District (B)

9. Natural Hazards Findings

9.1 Detailed BGS GeoSure Data

BGS GeoSure Data has been searched to 50m. The data is included in tabular format. If you require further information on geology and ground stability, please obtain a **Groundsure Geo Insight**, available from our **website**. The following information has been found:

9.1.1 Shrink Swell

What is the maximum Shrink-Swell* hazard rating identified on the study site? Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Ground conditions predominantly low plasticity. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with shrink-swell clays.

9.1.2 Landslides

What is the maximum Landslide* hazard rating identified on the study site? Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Slope instability problems are unlikely to be present. No special actions required to avoid problems due to landslides. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with landslides.

9.1.3 Soluble Rocks

What is the maximum Soluble Rocks* hazard rating identified on the study site? Negligible

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Soluble rocks are present, but unlikely to cause problems except under exceptional conditions. No special actions required to avoid problems due to soluble rocks. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with soluble rocks.

* This indicates an automatically generated 50m buffer and site.

9.1.4 Compressible Ground

What is the maximum Compressible Ground* hazard rating identified on the study site?

Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Very low potential for compressible deposits to be present. No special actions required to avoid problems due to compressible deposits. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with compressible deposits.

9.1.5 Collapsible Rocks

What is the maximum Collapsible Rocks* hazard rating identified on the study site?

Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Deposits with potential to collapse when loaded and saturated are unlikely to be present. No special ground investigation required or increased construction costs or increased financial risk due to potential problems with collapsible deposits.

9.1.6 Running Sand

What is the maximum Running Sand** hazard rating identified on the study site?

Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Very low potential for running sand problems if water table rises or if sandy strata are exposed to water. No special actions required, to avoid problems due to running sand. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with running sand.

9.2 Radon

9.2.1 Radon Affected Areas

Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level? The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level.

* This indicates an automatically generated 50m buffer and site.

9.2.2 Radon Protection

Is the property in an area where Radon Protection are required for new properties or extensions to existing

ones as described in publication BR211 by the Building Research Establishment?

No radon protective measures are necessary.

10. Mining

10.1 Coal Mining

Are there any coal mining areas within 75m of the study site?

Yes

The following coal mining information provided by the Coal Authority is not represented on Mapping:

Distance (m)	Direction	Details
0	On Site	The study site is located within the specified search distance of an identified mining area. Further details concerning this can be obtained from the Coal Authority Helpline on 0845 762 6848.

10.2 Non-Coal Mining

Are there any Non-Coal Mining areas within 50m of the study site boundary?

No

Database searched and no data found.

10.3 Brine Affected Areas

Are there any brine affected areas within 75m of the study site?

No

Guidance: No Guidance Required.

Contact Details

Groundsure Helpline
Telephone: 08444 159 000
info@groundsure.com

British Geological Survey Enquiries
Kingsley Dunham Centre
Keyworth, Nottingham NG12 5GG
Tel: 0115 936 3143.
Fax: 0115 936 3276.
Email:
Web: www.bgs.ac.uk

BGS Geological Hazards Reports and general geological enquiries:
enquiries@bgs.ac.uk

Environment Agency
National Customer Contact Centre, PO Box 544
Rotherham, S60 1BY
Tel: 08708 506 506
Web: www.environment-agency.gov.uk
Email: enquiries@environment-agency.gov.uk

Public Health England
Public information access office
Public Health England, Wellington House
133-155 Waterloo Road, London, SE1 8UG
www.gov.uk/phe
Email: enquiries@phe.gov.uk
Main switchboard: 020 7654 8000

The Coal Authority
200 Lichfield Lane
Mansfield
Notts NG18 4RG
Tel: 0345 7626 848
DX 716176 Mansfield 5
www.coal.gov.uk

Ordnance Survey
Adanac Drive, Southampton
SO16 0AS
Tel: 08456 050505

Local Authority
Authority: Kirklees Council
Phone: 01484 221 000
Web: <http://www.kirklees.gov.uk/>
Address: Civic Centre 3, Market Street, Huddersfield, HD1 1WG

Gemapping PLC
Virginia Villas, High Street, Hartley Witney,
Hampshire RG27 8NW
Tel: 01252 845444



Acknowledgements: Site of Special Scientific Interest, National Nature Reserve, Ramsar Site, Special Protection Area, Special Area of Conservation data is provided by, and used with the permission of, Natural England who retain the Copyright and Intellectual Property Rights for the data.

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APPENDIX 2

HISTORICAL MAPS

Site Details:

OPEN MARKET, BROOK STREET, HUDDERSFIELD, HD1 1RY

Client Ref: J3644_16_EDS
Report Ref: GS-3334504
Grid Ref: 414522, 417053

Map Name: County Series

Map date: 1854

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1850
Revised N/A
Edition 1854
Copyright N/A
Levelled 1853



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Production date: 27 September 2016

To view map legend click here [Legend](#)



Site Details:

OPEN MARKET, BROOK STREET, HUDDERSFIELD, HD1 1RY

Client Ref: J3644_16_EDS
Report Ref: GS-3334504
Grid Ref: 414522, 417053

Map Name: County Series

Map date: 1889

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1889
Revised 1889
Edition N/A
Copyright N/A
Levelled N/A

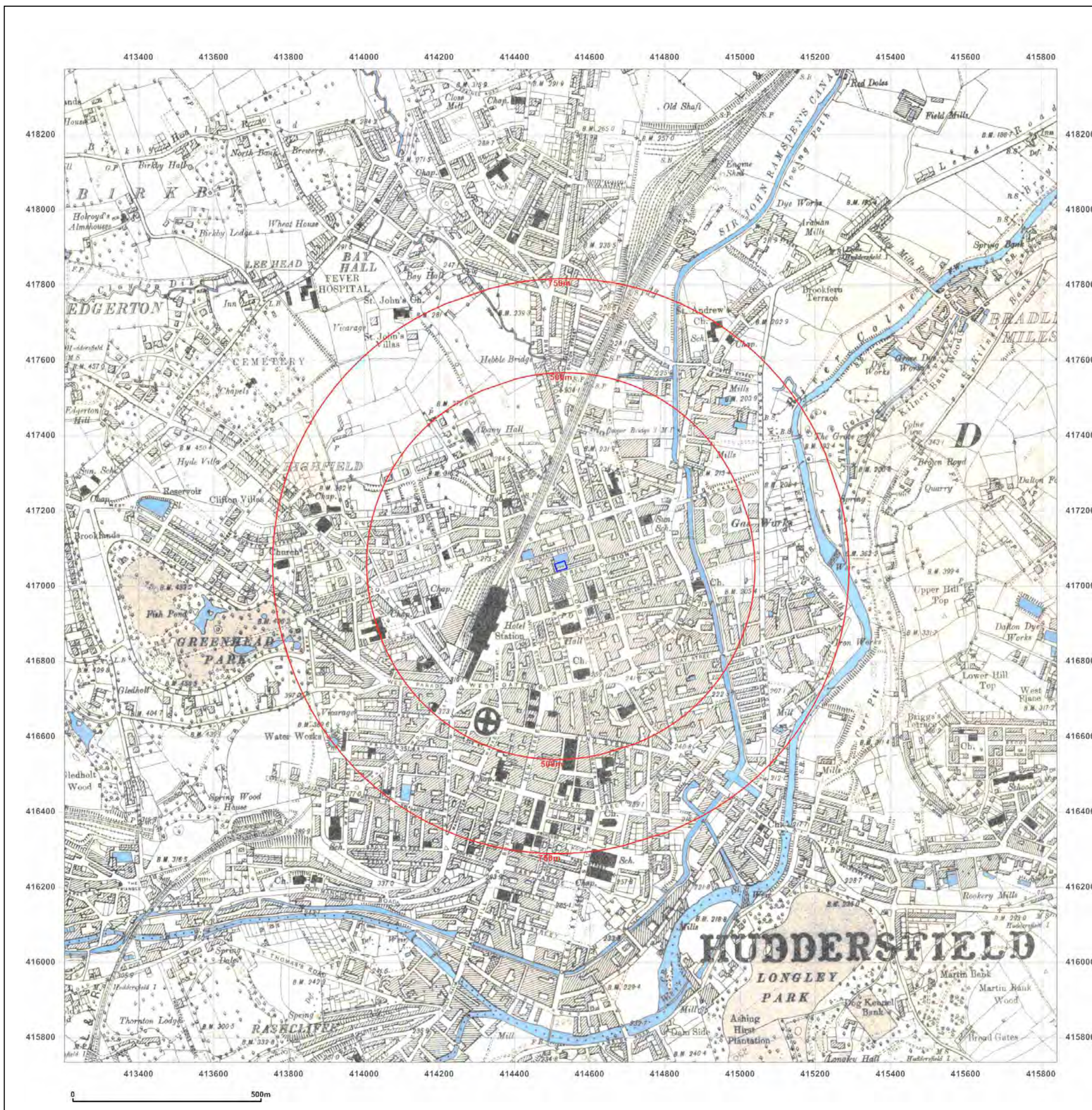


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Site Details:

OPEN MARKET, BROOK STREET, HUDDERSFIELD, HD1 1RY

Client Ref: J3644_16_EDS
Report Ref: GS-3334504
Grid Ref: 414522, 417053

Map Name: County Series

Map date: 1931

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1851
Revised 1930
Edition 1930
Copyright N/A
Levelled 1931



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