Phase I Preliminary Risk Assessment (PRA)

At

Former Apollo Public House
Miles Platting
Manchester
M40 8EE

Client: Jigsaw Homes

Reference: 33585-SUT-ZZ-00-RP-G-7101

Date: February 2025

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SUTCLIFFE INVESTIGATIONS

Phase I Preliminary Risk Assessment (PRA)

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Executive Summary

INTRODUCTION	Sutcliffe Investigations were instructed by Jigsaw Homes to undertake a Phase I Preliminary Risk Assessment (PRA) of the site known as The Former Apollo Public House, Miles Platting, Manchester M40 8EE.
AIMS & OBJECTIVES	The Phase 1 PRA is required to assess the ground based environmental and geotechnical risks, development constraints and liabilities associated with the development of the site, required in support of an application for outline planning. This report constitutes a preliminary investigation as defined in BS10175 and contains the following: - Summary of the information obtained from an Envirocheck Report (Report Reference: 368660378-1-1). - A preliminary risk assessment of potential environmental risks associated with the proposed redevelopment of the site to identified receptors, following the methodology of LCRM and their recommendations on contamination reports.
DEVELOPMENT PLANS	The proposed development for the site is for apartments with associated communal soft landscaped areas and car parking facilities. The proposed development is presented as Drawing Ref.: E224-1001 produced DK Architects (October 2024).
SITE DESCRIPTION	The site is irregular in shape, 0.22ha in area and can be accessed via the eastern, southern and western boundaries of the site. The site is relatively flat and comprises largely of grassed areas surrounding a derelict former public house along with a small area of hardstanding on the western portion of the site.
SITE HISTORY	**Onsite** Due to the scales of the earliest available historical maps dated (1848 and 1850) it is unclear if the markings on the site are land boundaries or building thought to be residential properties, despite this, residential properties were noted on site in 1891 and remained until 1949 when they were demolished, and the site appeared undeveloped. By 1952, a tank was noted on the western portion of the site, its purpose was unclear, and it was no longer noted by 1956. No further changes were noted on site until 1979 when the Apollo public house was noted and remained on site until the most up to date map dated 2024. A site visit has also confirmed the now disused public house remains on site. **Offsite** Historical maps initially indicate that historically off-site the surrounding land comprised fields, a skin yard, coal pits, rope walks, brooks, chemical works, brickfields, works, a chapel, schools, a manufactures, railway lines, a canal, and the increase in residential properties over time in all surrounding areas of the site.
GEOTECHNICAL UNCERTAINTY	The site has been subject to previous development and therefore, the potential for relic foundations and obstructions cannot be discounted.
GEOLOGY	**Artificial** There are no records of any artificial ground on-site however there is one record of artificial ground within 500m of the site this refers to artificial deposits 325m south of the site. **Drift** The superficial deposits for the site are noted as Devensian Till.

	Solid The solid geology for the site is noted as being Pennine Upper Coal Measures – Mudstone, Siltstone and Sandstone.
HYDROGEOLOGY	The Bedrock is classified as a Secondary A Aquifer with the Superficial Deposits classified as a Secondary Aquifer Undifferentiated. There are five groundwater abstraction points listed in the Envirocheck Report within 1000m of the site, the closest of which is 737m east of the site for which the permit end date has not been supplied.
FAULTS	No faults have been identified within the development site boundary, however 4No. Rock segments and 1No. fault is noted within 500m of the site. The closest rock segment is noted approximately 5m south of the site and the fault is noted approximately 460m west of the site.
RADON	According to the Envirocheck Report, the site is not within a radon affected area, as <1% of homes are above the action level. No radon protection measures are necessary in the construction of new dwellings or extensions.
COAL MINING	The site is within a coal mining area and the following is of note: - Underground coal mining (recorded at shallow depths) - Underground coal mining (probable at shallow depths) - Mine Entries (Shafts & Adits)
HYDROLOGY	The nearest surface water feature is noted 339m south-east of the site and is noted to be the Rochdale Canal. There are two surface water abstractions listed within the Envirocheck Report within 1000m of the site, the closest of which is 784m south of the site.
RISK ASSESSMENT	The Phase I PRA has not highlighted significant areas of concern and therefore, the site is deemed to be Class 3 – Low Risk.
CONCLUSIONS & RECOMMENDATIONS	Based on the findings of the Phase I review, Sutcliffe Investigations do not consider there to be any identifiable significant environmental issues regarding the site. However, there is limited information of the ground for geotechnical properties and as such we would therefore recommend the following sequential works are undertaken: - Submission of this Phase I PRA Report for the benefit of validating the outline planning application. - Commission a Coal Mining Risk Assessment. - Commission a Phase II Ground Investigation designed to discharge any contaminated land conditions that may be assigned to the site and allow the design of economic foundation solutions.

NOTE: The executive summary is an overview of the key findings and conclusions of the report. There may be other information contained in the body of the main report which puts into context the information presented within the executive summary. No reliance should be placed on the executive summary.

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1 Introduction

1.1 Terms of Reference

Sutcliffe Investigations were instructed by Jigsaw Homes to undertake a Phase I Preliminary Risk Assessment (PRA) of the site known as The Former Apollo Public House, Miles Platting, Manchester M40 8EE.

1.2 Development Proposal & Legislative Context

Development Proposal

The proposed development for the site is for apartments with associated communal soft landscaped areas and car parking facilities. The proposed development is presented as Drawing Ref.: E224-1001 produced DK Architects (October 2024).

Legislative Context

The presence of contaminants which may pose a risk to human health and / or the environment is a planning consideration. As part of the planning regime, it needs to be considered whether the site is "suitable for its proposed end use". Planning is concerned with the site's proposed end use, not its current use, where the amount of contamination is required to be low relative to the level of risk.

Section 57 of the Environment Act 1995 adds Part 2A (ss. 78A to 18YC) to the Environmental Protection Act 1990 and contains the legislative framework for identifying and dealing with contaminated land. Where development is undertaken on land which may be affected by contamination, the National Planning Policy Framework, paragraph 189 to 194 considers pollution and remediation. This links the contaminated land regime within the development process.

For there to be a significant risk requiring further investigation a perceived source (contaminant), a receptor (humans, living organisms or property) and a pathway between them must all be present, resulting in a complete contaminant linkage.

In order to assess whether this is the case, background research is required to obtain relevant information about the site and its surroundings and to assess the findings qualitatively. The scope of the assessment examined whether there is the potential for current and historic soil and/or groundwater contamination to be present, both at and in the vicinity of the site, and to assess significance in terms of the potential to pose a risk to human health, controlled waters, building infrastructure and the wider environment and identify any associated potential liabilities.

Part 2A of the Environmental Protection Act 1990 ("Part 2A") provides the legislative framework for the contaminated land regime in England, Wales and Scotland. It provides for contaminated land to be identified and dealt with in a risk-based manner. The Contaminated Land (England) Regulations 2006 (SI 2006/1380) set out provisions for procedural matters under Part 2A. The 2006 regulations have recently been modified with the introduction of The Contaminated Land (England) (Amendment) Regulations 2012, which came into force on 6th April 2012. This includes an amendment to Regulation 3(c) to

take account of the updated definition of “controlled waters” in Section 78A(9) of the Environmental Protection Act 1990. Section 78A(2) of Part 2A of the EPA 1990 defines contaminated land as “land which appears to the local authority in whose area it is situated to be in such a condition, by reason of substances in, on or under the land, that:

- significant harm is being caused or there is a significant possibility of such harm being caused; or
- pollution of controlled waters is being or is likely to be caused.

Contaminated Land Statutory Guidance published in April 2012 provides for a new four category test which is intended to clarify when land does or does not need to be remediated, where Category 1 is deemed as being high risk and Category 4 as being low risk.

1.3 Previous Studies

Sutcliffe are not aware any previous environmental or geotechnical investigations having been completed on site.

1.4 Objectives & Scope of Assessment

The Phase 1 PRA is required to assess the ground based environmental and geotechnical risks, development constraints and liabilities associated with the development of the site, required in support of an application for outline planning.

This report will inform the study of any potential contaminated land issues to be identified, assessed and actioned and has been designed to provide sufficient information to satisfy the requirements of National Planning Policy Framework (NPPF) in order to satisfy the aims and objectives of the project.

The report will culminate in the presentation of a Preliminary Conceptual Site Model (CSM) and will include clear robust recommendations for any additional works. These works will be designed to fully assess and mitigate risks, development constraints and abnormals that may be required in support of a detailed planning application and design of detailed foundation options.

This report constitutes a preliminary investigation as defined in BS10175 and contains the following:

- Summary of the information obtained from an Envirocheck Report (Report Ref.: 368660378-1-1), which is presented in Appendix A.
- A preliminary risk assessment of potential environmental risks associated with the proposed redevelopment of the site to identified receptors, following the methodology of Land contamination risk management (LCRM) and their recommendations on contamination reports.
- Recommendations for further investigation/actions if required.

The scope of works was to undertake a Phase I PRA using available information, and to place the site in its environmental context and has included the following:

- A review of available historic maps to determine the land-use history in the context of potentially contaminative activities;
- A review of environmental data relating to the site and its surroundings using a proprietary third-party environmental database;
- Desk-based assessment of site geology, hydrogeology and hydrology from published mapping and web-based sources to determine the site's environmental setting and sensitivity;
- A web-based search of the Environment Agency (EA) website and other freely available sources of information to identify any potential issues relating to the site and surrounding areas; and
- Provision of a qualitative contaminated land risk assessment based on Source-Pathway-Receptor as per current best practice contained in LCRM.

A site inspection was undertaken by a Sutcliffe engineer – Alex Tosh, on the 9th December 2024. No sampling or testing of soils or waters will be undertaken as part of this environmental review. All other information in this report has been obtained via public sources.

2 Environmental Review

2.1 Introduction

The information presented within this chapter was compiled based on a site inspection, completed by a suitably qualified Sutcliffe Engineer, and a review of an Envirocheck Report (Report Reference: 368660378-1-1), presented in Appendix A.

2.2 Site Location & Setting

The site address is located at the former Apollo Pub, Miles Platting, Manchester M40 8EE at National Grid Reference (NGR) 385800, 399610 and is approximately 2.44km north-east from the centre of Manchester.

Location plans of varying scales are presented as *Figures 1 & 2* and an Aerial Photograph is presented as *Figure 3*.

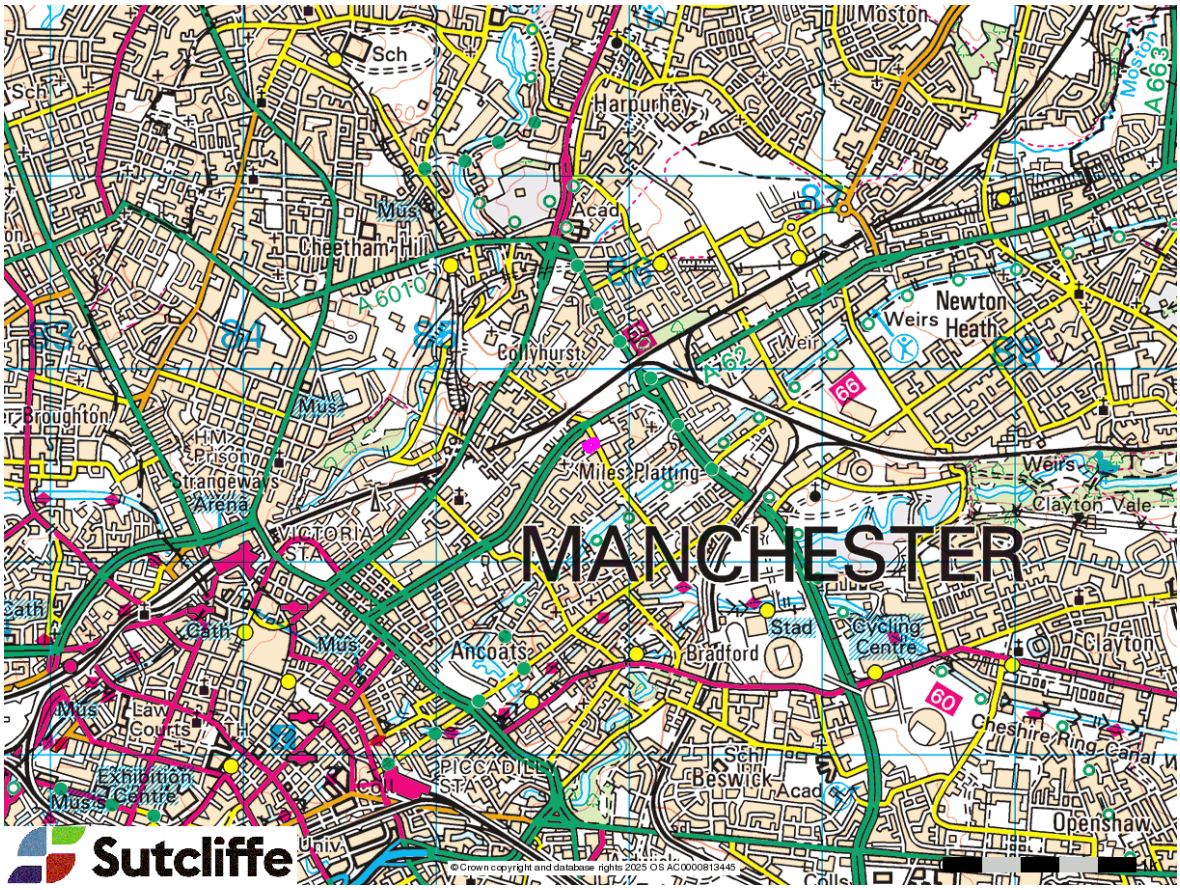


Figure 1: General Location of Site

2.3 Site Description & Walkover

The site is irregular in shape, 0.22ha in area and can be accessed via the eastern, southern and western boundaries of the site. The site is relatively flat and comprises largely of grassed areas surrounding a derelict former public house along with a small area of hardstanding on the western portion of the site. A photographic log of the site is presented as Appendix B.

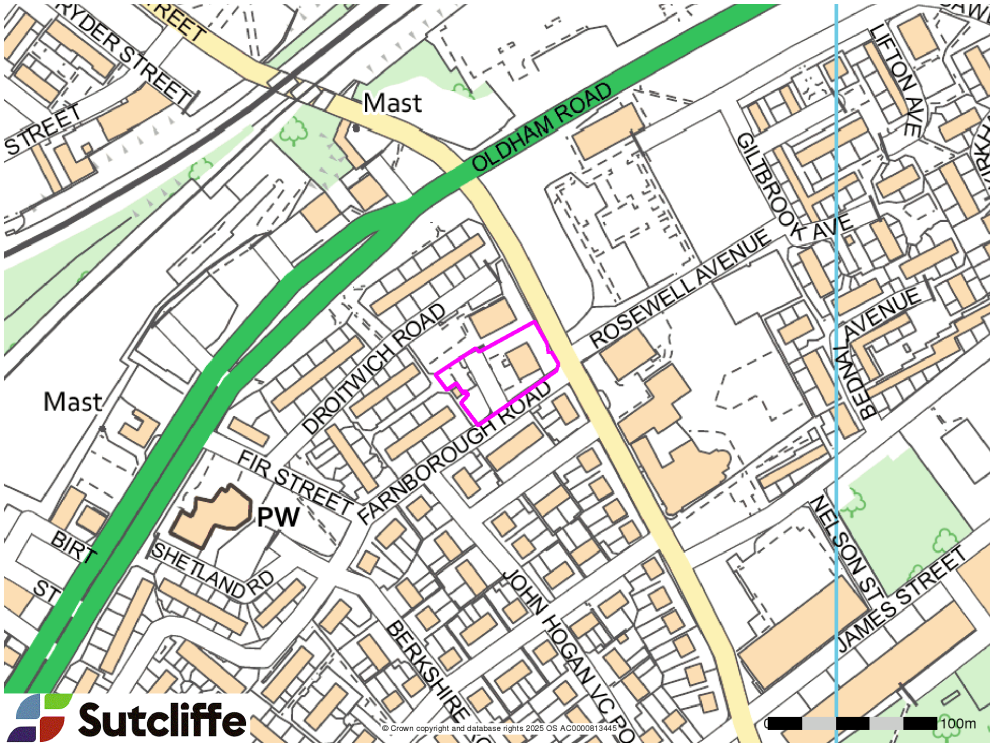


Figure 2: General Site Layout

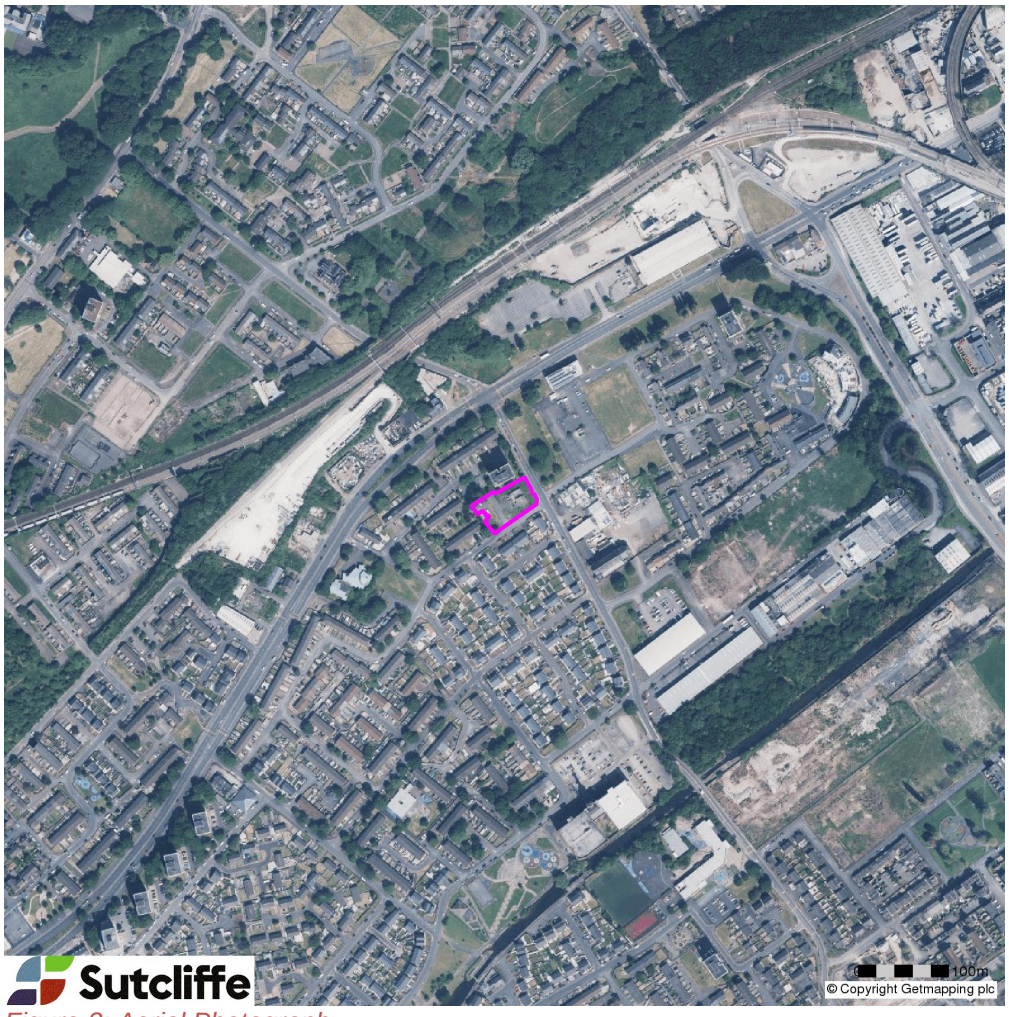


Figure 3: Aerial Photograph

2.4 Adjacent Land Uses

Table 2.1 summarises the adjacent land uses.

Table 2.1: Adjacent Land Uses

Direction	Adjacent Land Use
North	Residential
East	Commercial Premises and Local Amenities
South	Residential
West	Residential

2.5 Services

Underground Pipelines and Transmission Assets

A search of the Linesearch database was undertaken on 5th February 2025. This database lists pipelines owned and/or operated by over 40No. pipeline and transmission operators, but not all operators are registered.

According to the database, Cadent Gas, Electricity North West Limited, EU Networks Fibre UK Limited, Last Mile and Neos Networks are noted to have underground pipelines or transmission assets on the site or within a 25m search radius.

Service plans are presented in Appendix C.

Electric

Low voltage electricity mains are noted along the eastern boundary of the site along Varley Street and the southern boundary of the site along James Leach VC Road. Low voltage electricity mains are also noted to cut across the northern portion of the site and also enter the site from the southern boundary to the on-site public house.

Gas

Gas mains are noted along the eastern boundary of the site along Varley Street.

Water / Sewer

Water mains are noted along the eastern boundary of the site along Varley Street and the southern boundary of the site along James Leach VC Road, a water main is also noted to enter the site from the southern boundary.

Sewer mains are noted along the eastern boundary of the site along Varley Street. A sewer main is also noted to cut across the southern portion of the site.

BT

BT cables are noted along the eastern boundary of the site along Varley Street and the southern boundary of the site along James Leach VC Road.

2.6 Site History

Historical maps were obtained and reviewed by Sutcliffe Investigations to determine the historical development of the target site. These are presented in Appendix A. This enabled an assessment to be made of the potential for contamination associated with former activities, both on-site and in the surrounding areas.

Onsite

Due to the scales of the earliest available historical maps dated (1848 and 1850) it is unclear if the markings on the site are land boundaries or building thought to be residential properties, despite this, residential properties were noted on site in 1891 and remained until 1949 when they were demolished, and the site appeared undeveloped.

By 1952, a tank was noted on the western portion of the site, its purpose was unclear, and it was no longer noted by 1956.

No further changes were noted on site until 1979 when the Apollo public house was noted and remained on site until the most up to date map dated 2024. A site visit has also confirmed the now disused public house remains on site.

A detailed review of the historical development of the site is presented in Appendix D.

Offsite

The earliest historical maps dated 1848 and 1850 noted a skin yard approximately 70m east of the site, a coal pit approximately 200m east, ropewalks approximately 100m and 400m south of the site, Newton Brook approximately 105m south, a chemical works approximately 290m south east, Scooters Brook approximately 600m south, brickfields approximately 390m south and 285m west and residential properties between 500 to 1000m south and south west of the site.

By 1891 residential properties were noted in all immediate surroundings areas of the site, a wire works was noted approximately 15m north-west of the site, a chapel 10m north-east of the site beyond which a school was noted, a floor and cloth manufactory was noted approximately 10m south-east, Oldham Road Flint glass works was noted approximately 65m east and railway lines were noted approximately 170m west and 200m north of the site.

No further changes were noted in the surrounding areas of the site until 1908 when the industrial area approximately 270m south-east of the site had become more established and the Rochdale Canal was noted approximately 365m south-east of the site running through this industrial area.

Again, no further changes were noted until 1938 when two large derelict areas were identified 240m north-west and 415m south of the site. Between 1948 and 1949 the cloth manufacturer is now noted as a cotton and weaving mill and a bag factory.

No further changes were again noted until 1956 when the derelict areas noted to the north-west and south of the site have again become developed with residential properties.

Between 1960 to 1968 the configuration of properties immediately south-west of the site was noted to change and residential properties noted immediately east and approximately 65m north of the site were no longer evident.

Between 1977 to 1984 an electric substation was noted immediately west of the site and much of the industrial area to the south-east of the site had been demolished and replaced with local amenities including a library, swimming pool and schools.

Other than further demolition to the industrial area to the south-east of the site between 1990 and 1992 and the demolition of residential properties approximately 620m east of the site in 1999 no further changes were of note until the most recent historical map dated 2024.

A detailed review of the historical development of the surrounding land uses is presented in Appendix D.

2.7 Environmental Database

A commercial database search (provided by Envirocheck) was obtained to provide further information regarding the site and the surroundings. Relevant information and records are summarised below:

Contaminated Land Entries

The database has no contaminated land entries within 500m of the site.

Environmental Permitted Activities

According to the database there are no current Local Authority Integrated Pollution Prevention and Controls within 500m of the site. There are 4No. Local Authority Pollution Prevention and Controls within 500m of the site, one of which is noted within 250m of the site, details for which are presented hereunder:

Table 2.2: Environmental Permitted Activities

Distance / Direction (<250m)	Name	Description	Status
181m W	21st Century Garages	PG1/14 Petrol Filling Station	Authorisation Revoked

Hazardous Substances Sites

According to the database, there is 1No. Control of Major Accident Hazards (COMAH) registered sites within 500m of the site, details of which are noted below.

There are no Explosive Sites, no Notification of Installations Handling Hazardous Substances (NIHHS) sites and no Planning Hazardous Substance Consents or Enforcements within 500m of the site.

Table 2.3: COMAH-registered Sites

Distance / Direction (<500m)	Name	Type	Status
418m SE	Degussa Limited	Upper Tier	Record Ceased To Be Supplied Under COMAH Regulations

Substantiated Pollution Incident Register

According to the database, there are no substantiated pollution incidents within 500m of the site.

Landfill Sites

According to the Envirocheck Report there are;

- No BGS Recorded Landfill Sites within 500m of the site.
- No Historical Landfill Sites within 500m of the site.
- No Local Authority Recorded Landfill Sites within 500m of the site.
- No Registered Landfill sites within 500m of the site.

Infilled Land

There are 6No. records of Potentially Infilled Land (Non-Water) within 500m of the site, with 4No. records within 250m of the site, details of which are provided hereunder:

Table 2.4: Infilled Land (Non-Water)

Distance / Direction (<250m)	Use	Year
51m W	Unknown Filled Ground (Pit, quarry etc)	1993
150m S	Unknown Filled Ground (Pit, quarry etc)	1993
218m NW	Unknown Filled Ground (Pit, quarry etc)	1993
223m E	Unknown Filled Ground (Pit, quarry etc)	1993

There are 16No. records of Potentially Infilled Land (Water) within 500m of the site, with 6No. records within 250m of the site, details of which are provided hereunder:

Table 2.5: Infilled Land (Water)

Distance / Direction (<250m)	Use	Year
23m NW	Unknown Filled Ground (Pond, marsh, river, stream, dock etc)	1848
65m NE	Unknown Filled Ground (Pond, marsh, river, stream, dock etc)	1848
120m SE	Unknown Filled Ground (Pond, marsh, river, stream, dock etc)	1848
148m NW	Unknown Filled Ground (Pond, marsh, river, stream, dock etc)	1848
180m SE	Unknown Filled Ground (Pond, marsh, river, stream, dock etc)	1848
215m SW	Unknown Filled Ground (Pond, marsh, river, stream, dock etc)	1848

Waste Management Facilities

The database has recorded 2No. Registered Waste Transfer Sites, 1No. Registered Waste Treatment or Disposal Site and 1No. Licensed Waste Management Facility within 500m of the site, details of each are provided below.

Table 2.6 Registered Waste Transfer Sites

Distance / Direction (500m)	Licence Holder	Authority	Site Category / Max Input Rate	Licence Status
264m SW	Re-Can Ltd	Environment Agency - North West Region, South Area	Transfer Very Small (Less than 10,000 tonnes per year)	Exempt
356m NE	Park Pit Landfill Ltd	Environment Agency - North West Region, South Area	Transfer Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year)	Surrendered

Table 2.7: Registered Waste Treatment or Disposal Sites

Distance / Direction (500m)	Licence Holder	Authority	Site Category / Max Input Rate	Licence Status
408m SE	Degussa Ltd Manox Division	Environment Agency - North West Region, South Area	Treatment Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year)	Authorised

Table 2.8: Licensed Waste Management Facilities

Distance / Direction (500m)	Operator Name	Authority	Site Category	Licence Status
291m NE	Biffa Waste Services Limited	Environment Agency - North West Region, South Area	Transfer Stations taking Non-biodegradable Wastes	Issued

Radioactive Materials

According to the Envirocheck Report, there are no authorisations for radioactive substances within 500m of the site.

Fuel Stations

According to the database, there is 1No. fuel station entry within 500m of the site.

Table 2.9: Fuel Stations

Distance / Direction (<500m)	Name	Status
181m W	Impact Services Ltd	Obsolete

Contemporary Industrial Land Uses

According to the database, there are 64No. entries located within 500m of the site, with 34No. located within 250m of the site, details of the active entries are presented hereunder:

Table 2.10: Contemporary Industrial Land Uses

Distance / Direction (<250m)	Name	Classification	Status
102m SE	Active Aluminium Systems Ltd	Dorr Manufacturers – Domestic	Active
213m SE	Go Window Blinds	Blinds, Awnings & Canopies	Active
213m SE	Macma Cleaning Services	Cleaning Services – Domestic	Active
213m SE	S&S Power Transmissions	Power Transmissions Services	Active
236m W	Black Cab Centre Ltd	Garage Services	Active

2.8 Historical Contamination Potential

Site

Historical maps have indicated that residential properties were noted on site from 1891 to 1949, a tank was noted from 1952 to 1956 and a public house with likely basements was noted from 1979 to present day

With the exception of made ground potentially being present on site, together with potential basements associated with the public house, the potential for significant contamination to have arisen at the site as a result of the current and former usage on site is considered to be low. However, the possibility of contamination albeit likely to be localised cannot be discounted.

Surrounding Area

Although historical industrial activity has been noted, no current identifiable significant potentially contaminative activities were identified as having taken place in the immediate surrounding area.

Therefore, the potential for off-site sources of contamination to impact the site is considered low.

3 Environmental Setting

3.1 Introduction

Desk-based research of the local geology, hydrogeology, hydrology and ecology was carried out in order to establish the potential for migration of contamination onto or away from the site, and to assess the surface water and groundwater sensitivity of the surrounding area. Information was obtained from a number of sources, namely:

- Inspection of the British Geological Survey (BGS) GeoIndex Onshore Viewer;
- Inspection of the MAGIC interactive map service;
- A review of online web-based information searches;
- A review of previous site investigation reports pertaining to the site; and,
- A review of publicly available information.

3.2 Soils Chemistry

The environmental database also presents an estimation of the rural background soil chemistry within the site area.

Table 3.1: Soil Chemistry

Contaminant	Concentration (mg/kg)
Arsenic	25 - 35
Cadmium	<1.8
Chromium	60 - 90
Lead	100 - 200
Nickel	15-30

Reference to the data presented suggests that the majority of metals concentrations are generally anticipated to be below current Tier 1 Assessment Criteria in relation to human health effects.

3.3 Geology

According to the BGS GeoIndex Onshore Viewer and the relevant British Geological Survey (BGS) Solid and Drift Sheets 85 Manchester (2010) at a scale of 1:50,000 the following geological succession has been identified (Appendix A).

Artificial Ground

There are no records of any artificial ground on-site however there is one record of artificial ground within 500m of the site this refers to artificial deposits 325m south of the site.

Superficial Geology

The superficial drift deposits for the site are noted as Till, Devensian - Clay, sandy, gravelly, silty.

Solid Geology

The solid geology for the site is noted as Pennine Upper Coal Measures Formation - Mudstone, Siltstone and Sandstone.

Table 3.2: Geology Summary

Strata	Description	Soil / Rock Type
Artificial Ground	On-site No records	N/a
Drift	Till, Devensian	Clay, sandy, gravelly, silty
Solid	Pennine Upper Coal Measures	Mudstone, Siltstone & Sandstone

Faults

No faults have been identified within the development site boundary, however 4No. Rock segments and 1No. fault is noted within 500m of the site.

The closest rock segment is noted approximately 5m south of the site and the fault is noted approximately 460m west of the site.

British Geological Society (BGS) Logs / Records

There are no BGS borehole logs available to view in the vicinity of the site, to further determine similarly mapped geological conditions at the site.

There are 11No. BGS Recorded Mineral sites within 1000m of the site, the closest of which was 388m northwest of the site, however, all these workings have ceased.

Ground Stability

Table 3.3 below summarises the natural hazards information presented in the Envirocheck Report.

Table 3.3: Potential Natural Hazards

Natural Hazard	Hazard Potential
Shrink - Swell Clays	Very Low
Landslides	Very Low
Soluble Rocks	No Hazard
Compressible Deposits	No Hazard
Collapsible Deposits	Very Low
Running Sands	Very Low

3.4 Coal Mining & Brine Subsidence

The site does fall within a coal mining area. Based on the Consultants Coal Mining Report (*Report Reference: 51003476728001)* the following is of note:

- The following Past Underground Mining is noted within the report;

Table 3.4 Past Underground Mining

Seam	Depth (m bgl)	Direction of Working	Dip	Extraction Thickness (cm)
BRADFORD FOUR FEET	21	Beneath Property	18.4	120

* Note: only seams within 150m below the site have been noted.

- No Probable Unrecorded Shallow Workings are recorded.
- No Spine Roadways are recorded at shallow depth.
- The following Mine Entries are recorded within 50m of the site;

Table 3.5 Mine Entries

Entry Type	Reference	Grid Reference	Treatment Description	Mineral
Shaft	385399-008	385808 399682	N/A	Coal
Shaft	385399-009	385730 399596	N/A	Coal
Shaft	358399-015	385691 399608	This shaft has been infilled with shale and capped with concrete	Coal
Shaft	385399-016	385708 399620	The shaft has been infilled with shale	Coal
Shaft	385399-017	385706 399609	The shaft has been infilled with shale	Coal

The following Abandoned Mine Catalogue Numbers are noted intersecting with the site boundary.

Table 3.6 Mine Entries

2655	NW1171	NW645
PO0	11471	0
NW1172	NW644	

- The following Outcrops have been recorded.

Table 3.7 Outcrops

Seam Name	Mineral	Seam Workable	Distance to Outcrop (m)	Direction to Outcrop	Bearing of Outcrop
BRADFORD FOUR FEET	Coal	Yes	37.1	North-East	116

- No Opencast mines are recorded within 500m of the site boundary.
- No records of Coal Mining subsidence within 50m of the site boundary.
- There is no record of mine gas emissions recorded within 500m of the site boundary.

The potential risks to the development of the site from historic coal workings and remediation to these features as identified within the Coal Authority Report are summarised below in *Table 3.8*.

Table 3.8: Potential Coal Mining Issues

Coal Mining Issues	Yes	No	Risk Assessment
Underground coal mining (recorded at shallow depths)	✓		Required
Underground coal mining (probable at shallow depths)	✓		Required
Mine Entries (shafts and adits)	✓		Required
Coal mining geology (fissures)		✓	Not required
Record of past mine gas emissions		✓	Not required
Recorded coal mining surface hazard		✓	Not required
Surface mining (opencast workings)		✓	Not required

A full copy of the Coal Authority Mining Repot can be found in Appendix E.

3.5 Radon

According to the Envirocheck Report, the site is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). No radon protection measures are necessary in the construction of new dwellings or extensions.

3.6 Hydrogeology

Groundwater protection policy uses aquifer designations that are consistent with the Water Framework Directive.

These designations reflect the importance of aquifers not only in terms of groundwater as a resource (drinking water supply) but also their role in supporting surface water flows and wetland ecosystems.

Types of aquifer designations are presented in *Table 3.9*, with the designations assigned to the underlying strata of the site in *Table 3.10* hereunder:

Table 3.9: Aquifer Designations

Designation	Description
Principal Aquifer	Layers of rock or drift deposits that have high intergranular and / or fracture permeability - meaning they usually provide a high level of water storage. They may support water supply and / or river base flow on a strategic scale. In most cases, principal aquifers are aquifers previously designated as major aquifer.
Secondary A Aquifer	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 formally classified as minor aquifers.
Secondary B Aquifer	Predominantly lower permeability layers which may store and yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers.
Secondary (Undifferentiated) Aquifer	Cases where it has not been possible to attribute either category A or B to a rock type. In most cases, this means that the layer in question has previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type.

Designation	Description
Unproductive Aquifer	Rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow.

Table 3.10: Hydrogeology Summary

Strata	Description	Soil / Rock Type	Designation
Superficial	Till, Devensian	Clay, sandy, gravelly, silty	Secondary Aquifer Undifferentiated
Bedrock	Pennine Upper Coal Measures	Mudstone, Siltstone & Sandstone	Secondary A Aquifer

The Envirocheck Report indicates that the site is not located within a Groundwater Source Protection Zone (SPZ).

There are five groundwater abstraction points listed in the Envirocheck Report within 1000m of the site, the closest of which is 737m east of the site for which the permit end date has not been supplied.

3.7 Hydrology

The following is also of note:

- The nearest surface water feature is noted 339m south-east of the site and is noted to be the Rochdale Canal.
- There are thirteen recorded pollution incidents to controlled waters listed in the Envirocheck Report. The nearest is noted as being 407m north-east of the site, the pollutant was unknown with an incident severity of category 3 (minor incident).
- There are two surface water abstractions listed within the Envirocheck Report within 1000m of the site, the closest of which is 784m south of the site.
- There are no biological or chemical quality records noted in the vicinity of the site.

3.8 Flood Risk

According to the Envirocheck Report, the site is not within 250m of an area at risk from extreme flooding from rivers or sea without defences.

According to the Envirocheck Report, the site is at low risk of flooding from surface water.

According to the BGS Flood GFS Data map, the site is situated within an area that has the potential for groundwater flooding to occur at the surface.

3.9 Sensitive Land Uses

Ecological Receptors

According to the database, there are 1No. type of Sensitive Land Uses within 1000m of the site, the details of which are provided below:

- The site is noted to fall within a Nitrate Vulnerable Zone.

Significance of Environmental Setting

The significance of the environmental setting is considered by Sutcliffe Investigations to be as follows:

Table 3.11: Environmental Setting Summary

Environmental Setting	Sensitivity	Rationale
Groundwater	Low – Moderate	The site is situated in an area of low-moderate sensitivity with respect to groundwater resources due to the presence of an Unproductive Aquifer and Secondary A Aquifer beneath the site. However, this sensitivity is reduced by the absence of any abstractions (sensitive or otherwise) within the immediate vicinity of the site.
Surface Water	Low	With respect to surface water resources, the site is considered to be located in a low sensitivity setting.
Flood Risk	Low	The site is not within 250m of an area at risk of extreme flooding from rivers or sea without defences.
Sensitive Land Uses	Low	With respect to sensitive land uses such as protected habitats, protected sites, protected buildings and sensitive receptors, the site is considered to be located in a low sensitive setting.

4 Preliminary Qualitative Risk Assessment

4.1 Preliminary Conceptual Site Model (CSM)

A conceptual model is an essential element of any site-specific environmental risk assessment. In this context, they are often simple representations of the hypothesised relationships between sources, pathways and receptors.

For the purpose of this report, a basic conceptual model has been developed based on the principles of LCRM and interpretation of information gathered during the Phase I review. Thus, this allows the identification of potential contaminant linkages and whether these linkages have the potential to comprise significant harm and/or pollution of controlled waters in relation to the site.

Based on this interpretation, the implications for potential liability associated with soil or water contamination at the site can be evaluated.

- **SOURCES** – the identification of contaminants within the soils and groundwater that represent potential pollution sources;
- **PATHWAYS** – the identification of the potential exposure mechanisms and migration pathways from the potential sources; and
- **RECEPTORS** – the identification of the potential receptors that could be sensitive to harm if exposed to these pollution sources.

Collectively, each of these scenarios would be considered a potential pollutant linkage that may require further assessment.

A preliminary conceptual model is presented below (*Table 4.7*) in accordance with the guidance outlined within LCRM.

4.2 Identification of Potential Sources

Based on the information from the desk study, historical maps, published information, and a site walkover a summary of potential contaminant sources is provided in *Table 4.1*.

Table 4.1: Potential Sources

Ref.	Potential Sources	Potential Contaminants
S1 (On-site)	Made Ground associated with the demolition of former buildings / basements associated with the public house	All metals, fuel, hydrocarbons and oils and localised ground gas.
	Mine gas associated with historic mining activity	Carbon Monoxide, Carbon Dioxide, Methane, Oxygen, Nitrogen, Hydrogen and other Hydrocarbons
S2 (Off-Site)	Mine gas associated with historic mining activity	Carbon Monoxide, Carbon Dioxide, Methane, Oxygen, Nitrogen, Hydrogen and other Hydrocarbons

S1 (On-site)

Made Ground associated with the demolished buildings is anticipated below the site. By its nature, Made Ground may contain contaminative material, most commonly heavy metals, PAHs and asbestos.

Although the Coal Authority Report states that no mine gas emissions have been recorded within 500m of the site, due to shallow underground mine workings recorded beneath the site, the possibility of mine gas emissions cannot be discounted.

Additionally, carparking associated with the public house on site may be a source of hydrocarbon contamination which may pose a vapour ground gas risk.

S2 (Off-site)

As mentioned above, due to shallow underground mine workings recorded beneath the site, the possibility of mine gas emissions cannot be discounted.

4.3 Potential Exposure Pathways

Exposure pathways are the potential routes and mechanisms by which potential on-site sources could be linked to the identified potential receptors and thereby expose them to potential harm.

The following potential exposure pathways have been identified at the site:

Table 4.2: Potential Exposure Pathways

Ref.	Pathway	Description
P1	Direct contact with potential contaminants.	Dermal absorption, ingestion and inhalation of contaminants via direct contact. Construction workers may come into contact during the site works, however this will be for a short time and therefore limited exposure will occur. PPE can be used and worn as a precaution to reduce the risk.
P2	Ingestion of potential contaminants.	
P3	Inhalation of potential contaminants.	
P4	Leaching and migration of contaminants.	Leaching of possible contaminants could migrate into the underlying Secondary A Aquifer via shallow groundwater. On site drainage is also at risk from shallow contamination, if present.
P5	Vertical and lateral migration of ground gases / vapours.	There is the potential for contaminants to be present on the site, which could generate ground gas & vapours on site.

P1 – P3 (Direct contact)

The site has been considered for a residential end-use with soft landscaping, and as such is considered a sensitive end-use.

If the identified contaminant sources are present or have migrated to the site, pathways to the receptors are considered possible.

P4 (Leaching & Migration)

Made Ground as previously discussed within section S1 may contain potentially leachable contaminants.

Historic hydrocarbon spills from car parking onsite are considered possible which could migrate, however, volumes anticipated would be unlikely to be significant to impact controlled waters.

Lateral migration off-site may be possible, dependent on the composition of the Glaciofluvial deposits, more specifically the granular / cohesive content of the lateral continuity of any granular horizons. Such migration is considered possible though unlikely.

Downward migration of contaminants to the Secondary A Aquifer is considered unlikely due to the cohesive Glacial Till and Glaciofluvial Deposits. Glaciofluvial Deposits are typically encountered as interbedded horizons of a wide range of materials, including cohesive Clay and Silt dominant layers. As such, while downward migration may be possible, it is considered ultimately unlikely due to the anticipated cohesive horizons likely to be encountered within the strata.

P5 (Migration of ground gas / vapours)

Made Ground thicknesses are expected to be relatively limited given the development present onsite. As such, it is considered unlikely that a thickness of Made Ground capable of generating significant thickness of permanent gases will be present.

Although mine gas emissions from past underground mining is considered possible, the probability that the gas migrates to the site is considered low due to the overlying impermeable Devensian Till.

4.4 Potential Receptors

Based on the site's environmental setting and the proposed future end use of the area following redevelopment, the following potential receptors have been identified:

Table 4.3: Potential Receptors

Ref.	Receptor	Description
R1	Current & future site users	Site users; personnel, general workers and maintenance workers,
R2	Construction Workers	Contractors working on the development of the site. Construction workers, maintenance workers or other personnel who may be directly exposed to contaminated materials in the course of their activities).
R3	Controlled Waters	Secondary A Aquifer, Secondary Aquifer Undifferentiated and on-site drainage
R4	Adjacent Site Users	Adjacent site users. Third-party land (*i.e.* the possibility of contamination migrating off-site onto third party land *via* contaminated groundwater, surface water run-off).
R5	Infrastructure / Buried services	Proposed buildings and buried services

NOTE: ground workers (i.e. If the site were redeveloped, any associated activities may bring site personnel and construction workers into contact with potentially contaminative materials, however, it is considered that the risks to workers will be short term and could be controlled by safe working procedures.

4.5 Potential Contaminant Linkages

In order for there to be a plausible contaminant linkage there must be a source, receptor and pathway and a feasible linkage between them (a contaminant linkage).

Consequently, even where a contaminant is identified, if there is no pathway for the contamination to reach a receptor, or no receptor then there can be no significant risk and remedial actions are not required.

Central to this risk assessment process is the development of a 'conceptual model'. This is a descriptive and/or pictorial representation of the area of potential contamination, the surrounding environment and the processes acting on the contaminants by which they can move and come into contact with receptors (*e.g.* by leaching and migration into groundwater).

Production of a conceptual model requires an assessment of risk to be made. Risk is a combination of the likelihood of an event occurring and the magnitude of its consequences.

Therefore, in order to assess risk both the likelihood and the consequences of an event must be taken into account.

This report adopts the methodology for risk evaluation presented in CIRIA report C552 'Contaminated Land Risk Assessment – A Guide to Good Practice', 2001.

The method is qualitative and involves the classification of the following:

- The magnitude of the potential severity or consequence of the risk occurring (*Table 4.4*);
- The magnitude of the likelihood or probability of the risk occurring (*Table 4.5*);
- Once the likelihood of an event occurring and its severity have been classified, a risk category can be assigned (*Table 4.6*).

Table 4.4: Classification of consequence

Classification	Definition
Severe	Acute risks to human health, catastrophic damage to buildings/property, major pollution of controlled waters.
Medium	Chronic risk to human health, pollution of sensitive controlled waters, significant effects on sensitive ecosystems or species, significant damage to buildings or structures.
Mild	Pollution of non-sensitive waters, minor damage to buildings or structures.
Minor	Requirement for protective equipment during site works to mitigate health effects, damage to non-sensitive ecosystems or species.

Table 4.5: Classification of Probability

Classification	Definition
High Likelihood	There is a pollution linkage and an event that either appears very likely in the short term and almost inevitable over the long term or there is evidence at the receptor of harm or pollution.

Classification	Definition
Likely	There is a pollution linkage, and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term
Low Likelihood	There is a pollution linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such event would take place and is less likely in the shorter term.
Unlikely	There is a pollution linkage, but circumstances are such that it is improbable that an event would occur even in the very long term.

Table 4.6: Risk Assessment Matrix

Consequence					
Severe	Medium	Mild	Minor		
Very High Risk	High Risk	Moderate Risk	Moderate / Low Risk	High Likelihood	Probability
High Risk	Moderate Risk	Moderate / Low Risk	Low Risk	Likely	
Moderate Risk	Moderate / Low Risk	Low Risk	Very Low Risk	Low Likelihood	
Moderate / Low Risk	Low Risk	Very Low Risk	Very Low Risk	Unlikely	
Low Risk	Very Low Risk	Very Low Risk	Very Low Risk	Negligible Likelihood	

Sutcliffe has devised a conceptual model based on the information obtained to date through the desk-based study and future residential usage of the site. This is detailed in tabular format in *Table 4.7* and pictorially in *Figure 4*.

Table 4.7: Preliminary Risk Evaluation of Potential Contaminant Linkages

1. Hazard Identification		2. Hazard Assessment				3. Risk Estimation		4. Risk Evaluation	5. Action required
Contaminant Source		Pathway		Receptor		Consequence	Probability	Classification	
S1	Potentially contaminated soil on-site	P1	Direct contact with potential contaminants.	R1/2	Site users	Medium	Low	Moderate / Low Risk	It is possible that harm could arise to a designated receptor from an identified hazard. Investigation is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer term.
		P2	Ingestion of potential contaminants.	R1/2	Site users	Medium	Low	Moderate / Low Risk	
		P3	Inhalation of potential contaminants.	R1/2	Site users	Severe	Unlikely	Moderate / Low Risk	
		P4	Leaching and migration of contaminants.	R3/5	Secondary A Aquifer	Medium	Low	Moderate / Low Risk	
		P5	Vertical and lateral migration of ground gases / vapours.	R1	Site users	Severe	Unlikely	Moderate / Low Risk	
				R4	Property	Severe	Unlikely	Moderate / Low Risk	
S2	Mine gas associated with historic mining activity	P4	Leaching and migration of contaminants.	R3/5	Secondary A Aquifer	Medium	Unlikely	Low Risk	
		P5	Vertical and lateral migration of ground gases / vapours.	R1	Site users	Severe	Unlikely	Moderate / Low Risk	
				R4	Property	Severe	Unlikely	Moderate / Low Risk	

5 Conclusions & Recommendations

5.1 Introduction

Sutcliffe Investigations were instructed by Jigsaw Homes, to provide a Phase I PRA report. The purpose of the report is to generate preliminary environmental assessment data for submission with an outline planning application for redevelopment of the site.

This comprised a review of the Phase I PRA data, collection of environmental information and reports undertaken on the site.

5.2 Environmental Risk Assessment Findings

The site is irregular in shape and is bordered by residential properties, commercial premises and local amenities. The site currently consists of a former public house with associated carparking. The development history of the site has not identified a significant source of environmental concern, and information contained within the environmental database has not highlighted any major concerns. The site is underlain by a Secondary A Aquifer for the bedrock, with a Secondary Aquifer Undifferentiated for the superficial deposits.

Taking the above into account, it is considered that there is a low potential for significant contamination to be present, however it is considered that localised contamination that may represent a risk to long term human health and also with the potential for leaching of contaminants into controlled waters may be present. Consequently, the environmental risk setting for the site is considered to be low.

5.3 Classification & Land Use Risk

The site can be accessed via the eastern southern and western boundaries. The site is relatively flat and largely comprises grassed areas surrounding a disused former public house with a small area of hardstanding on the western portion of the site.

Historical maps initially indicate that historically off-site the surrounding land comprised fields, a skin yard, coal pits, rope walks, brooks, chemical works, brickfields, works, a chapel, schools, a manufactures, railway lines, a canal, and the increase in residential properties over time in all surrounding areas of the site.

The classification of risk is as follows:

Table 5.1: Land Use Risk Classification

Class	Description
Class 1	Potential for High levels of contamination and migration of contamination off the site.
Class 2	Potential for Medium levels of contamination and migration of contamination off site.
Class 3	Potential for Low levels of contamination and migration of contamination off site.
Class 4	Potential for limited contamination.

The Phase I PRA has not highlighted significant areas of concern and therefore, the site is deemed to be Class 3 – Low Risk.

5.4 Geotechnical Uncertainty

The site has been subject to previous development and therefore, the potential for relic foundations and obstructions cannot be discounted.

5.5 Conclusions & Recommendations

Based on the findings of the Phase I PRA review, Sutcliffe Investigations do not consider there to be any identifiable significant environmental issues regarding the site. However, there is limited information of the ground for geotechnical properties and as such we would therefore recommend the following sequential works are undertaken:

- Submission of this Phase I PRA Report for the benefit of validating the outline planning application.
- Commission a Coal Mining Risk Assessment (CMRA).
- Commission a Phase II Ground Investigation designed to discharge any contaminated land conditions that may be assigned to the site and allow the design of economic foundation solutions.

Appendix A – Envirocheck Report (Report Reference: 368660378-1-1)

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
368660378_1_1

Customer Reference:
33585LG

National Grid Reference:
385800, 399610

Slice:
A

Site Area (Ha):
0.22

Search Buffer (m):
1000

Site Details:

Apollo Pub
Miles Platting
Manchester
M40 8EE

Client Details:

MR W Baldwin
Sutcliffe Projects Ltd
18-20 Harrington Street
Liverpool
L2 9QA

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Introduction

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

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Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England. The probability result is only valid for properties above ground. All basement and cellar areas are considered to be at additional risk from high radon levels. If an underground room such as a cellar or basement makes up part of the living or working accommodation, the property should be tested regardless of Radon Affected Area status.

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Report Version v53.0

Sutcliffe

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2		1	2	53
Prosecutions	pg 15			2	3
Enforcement and Prohibition Notices					
Integrated Pollution Controls	pg 16			2	
Integrated Pollution Prevention And Control	pg 16				3
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 17		1	3	8
Local Authority Pollution Prevention and Control Enforcements	pg 19			1	
Nearest Surface Water Feature	pg 19			Yes	
Pollution Incidents to Controlled Waters	pg 19			1	12
Historical Prosecutions					
Registered Radioactive Substances	pg 21				1
Substantiated Pollution Incident Register	pg 21				2
Water Abstractions	pg 22				7 (*31)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 31	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 31	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 31	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 32			18	36
Water Framework Directive - Catchment	pg 38	Yes	Yes		Yes
Water Framework Directive - Groundwater	pg 38	Yes			
Water Framework Directive - Surface Waters					

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Waste					
BGS Recorded Landfill Sites	pg 39				1
Historical Landfill Sites	pg 39				6
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 40			1	9
Local Authority Landfill Coverage	pg 42	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 42		4	2	16
Potentially Infilled Land (Water)	pg 44		6	10	55
Registered Landfill Sites					
Registered Waste Transfer Sites	pg 47			2	6
Registered Waste Treatment or Disposal Sites	pg 51			1	4
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 54			1	2
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)	pg 54				1
Planning Hazardous Substance Consents	pg 54				3
Planning Hazardous Substance Enforcements					

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 55	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 55	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 59			4	7
BGS Urban Soil Chemistry	pg 61		Yes	Yes	Yes
BGS Urban Soil Chemistry Averages	pg 64	Yes			
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 64	Yes	n/a	n/a	n/a
Mining Instability	pg 64	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 64	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 64	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 64	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 64	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 66		34	30	193
Fuel Station Entries	pg 88		1		1
Points of Interest - Commercial Services	pg 88		8	12	53
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 94		7	11	94
Points of Interest - Public Infrastructure	pg 104			4	25
Points of Interest - Recreational and Environmental	pg 106		1	7	22
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
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Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 109	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (S)	0	1	385800 399600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NW)	0	1	385800 399607
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	64	1	385700 399607
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (W)	114	1	385650 399607
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	148	1	385650 399700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	156	1	385700 399750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	164	1	385800 399800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	165	1	385800 399800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	184	1	385650 399750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	214	1	385800 399850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	219	1	385600 399750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (W)	264	1	385500 399607
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	264	1	385500 399600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	265	1	385850 399900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	294	1	385600 399350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SW (N)	322	1	385750 399950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SE (N)	364	1	385800 400000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	372	1	385900 400000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	402	1	385650 400000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SE (NE)	405	1	386000 400000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (NW)	406	1	385550 399950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	430	1	386050 400000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	486	1	385350 399350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	495	1	385650 400100
1	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lewis St/Berkshire Rd, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0033 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 14th October 1999 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status:** **Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A13SW (S)	147	2	385770 399430
2	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Work 6/Work 5 Sewer Const, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0321 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status:** **Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A13NE (N)	269	2	385910 399890
3	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Winstanley Rd Nursery, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0035 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 14th November 1999 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Newton Brook **Status:** **Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A13SW (S)	311	2	385730 399270
4	**Discharge Consents** Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Lostock St/Royle St, Sso, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0034 Permit Version: 1 Effective Date: 15th September 1993 Issued Date: Not Supplied Revocation Date: 15th September 1993 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Shooters Brook **Status:** **Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A8NW (S)	554	2	385650 399040

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**Discharge Consents** Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Royle Street, Sso, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0064 Permit Version: 1 Effective Date: 15th September 1993 Issued Date: Not Supplied Revocation Date: 15th September 1993 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Shooters Brook **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A8NW (S)	580	2	385660 399010
5	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: 226 Rochdale Rd/Collyhurst St Cso Jnc 226rochdale Rd/Collyhurst St, Collyhurst, Manchester, Greater Manchester, M40 7ra Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0050 Permit Version: 2 Effective Date: 1st April 2010 Issued Date: 1st April 2010 Revocation Date: 4th June 2020 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	569	2	385450 400080
5	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: 226 Rochdale Rd/Collyhurst St Cso Jnc 226rochdale Rd/Collyhurst St, Collyhurst, Manchester, Greater Manchester, M40 7ra Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0050 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 31st March 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	569	2	385450 400080
5	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Rochdale Rd / Burgin Walk Cso Jnct Rochdale Rd/Collyhurst St, Collyhurst, Manchester, Greater Manchester, M40 7ra Authority: Environment Agency, North West Region Catchment Area: Irk Reference: 016993740 Permit Version: 2 Effective Date: 12th October 2023 Issued Date: 12th October 2023 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: The River Irk **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	584	2	385432 400086

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Rochdale/Collyhurst Road Cso, ., Manchester, Greater Manchester, M40 8jr Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0050 Permit Version: 3 Effective Date: 5th June 2020 Issued Date: 5th June 2020 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Culv'Ted Section Of Moss Brook **Status:** **Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	584	2	385432 400086
5	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: 226 Rochdale Rd/Collyhurst St Cso Jnc 226rochdale Rd/Collyhurst St, Collyhurst, Manchester, Greater Manchester, M40 7ra Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Npswqd010700 Permit Version: 1 Effective Date: 5th June 2020 Issued Date: 5th June 2020 Revocation Date: 11th October 2023 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Culv'Ted Section Of Moss Brook **Status:** **Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	584	2	385432 400086
5	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Rochdale Road/Eggington Street Cso Rochdale Road/Eggington Street, ., Manchester, Greater Manchester, M40 7sa Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0058 Permit Version: 5 Effective Date: 30th October 2019 Issued Date: 30th October 2019 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Moston Brook **Status:** **Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	592	2	385430 400094
5	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Rochdale Road/Eggington Street Cso Rochdale Road/Eggington Street, ., Manchester, Greater Manchester, M40 7sa Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0058 Permit Version: 4 Effective Date: 5th February 2016 Issued Date: 5th February 2016 Revocation Date: 29th October 2019 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Moston Brook **Status:** **Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	597	2	385430 400100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Rochdale Road/Eggington Street Cso Rochdale Road/Eggington Street, ., Manchester, Greater Manchester, M40 7sa Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0058 Permit Version: 3 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 4th February 2016 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Moston Brook **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	597	2	385430 400100
5	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Rochdale Road/Eggington Street Cso Rochdale Road/Eggington Street, ., Manchester, Greater Manchester, M40 7sa Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0058 Permit Version: 2 Effective Date: 14th April 2009 Issued Date: 14th April 2009 Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Moston Brook **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	597	2	385430 400100
5	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Rochdale Road/Eggington Street Cso Rochdale Road/Eggington Street, ., Manchester, Greater Manchester, M40 7sa Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0058 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 13th April 2009 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Moston Brook **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	597	2	385430 400100
6	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Rochdale Rd / Burgin Walk Cso Jnct Rochdale Rd/Collyhurst St, Collyhurst, Manchester, Greater Manchester, M40 7ra Authority: Environment Agency, North West Region Catchment Area: Irk Reference: 01MAN0150 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: 1st January 1995 Revocation Date: 10th July 2005 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	600	2	385330 400020

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Discharge Consents** Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Churnet/Cheltenham St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0106 Permit Version: 1 Effective Date: 15th September 1993 Issued Date: Not Supplied Revocation Date: 15th September 1993 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Moston Brook **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A18SW (N)	606	2	385600 400200
7	**Discharge Consents** Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Churnet St/Overbrok Dr, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0049 Permit Version: 1 Effective Date: 15th September 1993 Issued Date: Not Supplied Revocation Date: 15th September 1993 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Moston Brook **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A18SW (N)	612	2	385610 400210
7	**Discharge Consents** Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Churnet St/Overbrok Dr, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0048 Permit Version: 1 Effective Date: 15th September 1993 Issued Date: Not Supplied Revocation Date: 15th September 1993 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Moston Brook **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A18SW (N)	632	2	385580 400220
8	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Moss Brook Court, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0044 Permit Version: 3 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 18th July 2014 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	661	2	385200 399950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Moss Brook Court, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0044 Permit Version: 2 Effective Date: 14th April 2009 Issued Date: 14th April 2009 Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	661	2	385200 399950
8	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Moss Brook Court, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0044 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 13th April 2009 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	661	2	385200 399950
8	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Queens Road Combined Sewer Overflow 204 Queens Road A6010, Collyhurst, Manchester, Greater Manchester, M40 8jw Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Npswqd010957 Permit Version: 2 Effective Date: 6th November 2019 Issued Date: 6th November 2019 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Moss Brook **Status: Varied under EPR 2010** Positional Accuracy: Manually corrected supplier location	A17SE (NW)	683	2	385174 399950
8	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Moss Brook Court, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0045 Permit Version: 3 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 5th December 2014 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	686	2	385170 399950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Moss Brook Court, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0045 Permit Version: 2 Effective Date: 14th April 2009 Issued Date: 14th April 2009 Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	686	2	385170 399950
8	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Moss Brook Court, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0045 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 13th April 2009 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	686	2	385170 399950
9	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Butler St/Holland St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0037 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 29th April 2019 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A8SW (S)	707	2	385580 398900
9	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Rolleston Avenue/Butler Street Cso 2 Rolleston Avenue, ., Manchester, Greater Manchester, M40 7hh Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0032 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 4th February 2016 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A8SW (S)	707	2	385580 398900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Ridgeway St/Butler St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0129 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 18th October 1999 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A8SW (S)	707	2	385580 398900
9	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Rolleston Avenue/Butler Street Cso 2 Rolleston Avenue, ., Manchester, Greater Manchester, M40 7hh Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0032 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A8SW (S)	707	2	385580 398900
9	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Butler St/Holland St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0037 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A8SW (S)	712	2	385580 398895
10	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Hulme Hall Lane Opp Falmo, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0260 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Shooters Brook **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A14SE (E)	711	2	386520 399420

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Queens Road Combined Sewer Overflow 204 Queens Road A6010, Collyhurst, Manchester, Greater Manchester, M40 8jw Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Npswqd010957 Permit Version: 1 Effective Date: 1st April 2015 Issued Date: 24th December 2014 Revocation Date: 5th November 2019 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Moston Brook **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A18NW (N)	765	2	385686 400389
12	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Lord North Street/Clifton St Cso Lord North Street/Clifton St Jnc, ., Manchester, Greater Manchester, M40 2hj Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0069 Permit Version: 4 Effective Date: 5th February 2016 Issued Date: 5th February 2016 Revocation Date: 19th November 2019 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Shooters Brook **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A14NE (E)	786	2	386620 399660
12	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Lord North Street/Clifton St Cso Lord North Street/Clifton St Jnc, ., Manchester, Greater Manchester, M40 2hj Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0069 Permit Version: 3 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 4th February 2016 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Shooters Brook **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A14NE (E)	786	2	386620 399660
12	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Lord North Street/Clifton St Cso Lord North Street/Clifton St Jnc, ., Manchester, Greater Manchester, M40 2hj Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0069 Permit Version: 2 Effective Date: 14th April 2009 Issued Date: 14th April 2009 Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Shooters Brook **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A14NE (E)	786	2	386620 399660

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Lord North Street/Clifton St Cso Lord North Street/Clifton St Jnc, ., Manchester, Greater Manchester, M40 2hj Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0069 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 13th April 2009 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Shooters Brook **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A14NE (E)	786	2	386620 399660
12	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Lord North Street/Clifton St Cso Lord North Street/Clifton St Jnc, ., Manchester, Greater Manchester, M40 2hj Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0069 Permit Version: 5 Effective Date: 20th November 2019 Issued Date: 20th November 2019 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Shooters Brook **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A14NE (E)	788	2	386622 399658
13	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Winthrop Ave/Queens Rd, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Unknown Reference: 01MAN0349 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 1st January 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Not Supplied Receiving Water: Not Supplied **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A18NW (N)	820	2	385720 400450
13	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Queens Road Combined Sewer Overflow 204 Queens Road A6010, Collyhurst, Manchester, Greater Manchester, M40 8jw Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0055 Permit Version: 2 Effective Date: 1st April 2010 Issued Date: 1st April 2010 Revocation Date: 31st March 2015 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Moston Brook **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A18NW (N)	857	2	385750 400490

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Queens Road Combined Sewer Overflow 204 Queens Road A6010, Collyhurst, Manchester, Greater Manchester, M40 8jw Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0055 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 31st March 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Moston Brook **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A18NW (N)	857	2	385750 400490
13	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Queens Road/Scorpton Street Cso 391b Queens Road (A6010), Monsall, Manchester, Greater Manchester, M40 8al Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982952 Permit Version: 3 Effective Date: 20th October 2020 Issued Date: 20th October 2020 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Culverted Section Moston Brook **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A18NW (N)	866	2	385741 400498
13	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Queens Road/Scorpton Street Cso 391b Queens Road (A6010), Monsall, Manchester, Greater Manchester, M40 8al Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982952 Permit Version: 2 Effective Date: 1st June 2005 Issued Date: 1st June 2005 Revocation Date: 19th October 2020 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Moston Brook **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A18NW (N)	868	2	385740 400500
13	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Queens Road Combined Sewer Overflow 204 Queens Road A6010, Collyhurst, Manchester, Greater Manchester, M40 8jw Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982952 Permit Version: 1 Effective Date: 23rd June 1995 Issued Date: 23rd June 1995 Revocation Date: 31st May 2005 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Moston Brook **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 10m	A18NW (N)	868	2	385740 400500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Colyhurst/Fitzgeorg St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0043 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 15th December 2014 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Moston Brook **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	838	2	385030 400010
14	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Colyhurst/Fitzgeorg St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0043 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Moston Brook **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	838	2	385030 400010
14	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: 226 Rochdale Rd/Collyhurst St Cso Jnc 226rochdale Rd/Collyhurst St, Collyhurst, Manchester, Greater Manchester, M40 7ra Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Npswqd010700 Permit Version: 2 Effective Date: 12th October 2023 Issued Date: 12th October 2023 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Moston Brook **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	851	2	385002 399984
15	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Rochdale Rd / Burgin Walk Cso Jnct Rochdale Rd/Collyhurst St, Collyhurst, Manchester, Greater Manchester, M40 7ra Authority: Environment Agency, North West Region Catchment Area: Irk Reference: 016993740 Permit Version: 1 Effective Date: 11th July 2005 Issued Date: 11th July 2005 Revocation Date: 11th October 2023 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: The River Irk **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A12NW (W)	900	2	384910 399890

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Burton St Nr Dalton St Cso 281hx 133 Collyhurst Road, ., Manchester, Greater Manchester, M40 7gx Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982622 Permit Version: 2 Effective Date: 11th April 2018 Issued Date: 11th April 2018 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A12NW (W)	904	2	384860 399630
16	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Burton St Nr Dalton St Cso 281hx 133 Collyhurst Road, ., Manchester, Greater Manchester, M40 7gx Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0263 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 1st January 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A12NW (W)	904	2	384860 399630
16	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Burton St Nr Dalton St Cso 281hx 133 Collyhurst Road, ., Manchester, Greater Manchester, M40 7gx Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982622 Permit Version: 1 Effective Date: 30th September 1994 Issued Date: Not Supplied Revocation Date: 10th April 2018 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A12NW (W)	904	2	384860 399625
17	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Smedley Road Cso Smedley Bridge, Smedley Road, Manchester, Greater Manchester, M8 0rp Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0042 Permit Version: 2 Effective Date: 28th October 2004 Issued Date: 28th October 2004 Revocation Date: 15th July 2018 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	910	2	385240 400350

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Smedley Road Cso Smedley Bridge, Smedley Road, Manchester, Greater Manchester, M8 0rp Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0042 Permit Version: 3 Effective Date: 16th July 2018 Issued Date: 16th July 2018 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	913	2	385245 400357
18	**Discharge Consents** Operator: Manchester City Council Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Smedley Road Swo, Scrapyard/Railway Arches, Irk Valley Park, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991157 Permit Version: 1 Effective Date: 1st November 1994 Issued Date: Not Supplied Revocation Date: 1st November 1994 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	925	2	385290 400400
19	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Henhurst St/Turnbull St, Collyhurst, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0271 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 1st January 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Moston Brook **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A18NW (N)	940	2	385780 400575
19	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Queen Rd/Turnbull St, Collyhurst, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982718 Permit Version: 1 Effective Date: 30th September 1994 Issued Date: Not Supplied Revocation Date: 27th March 2015 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Moston Brook **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A18NW (N)	945	2	385780 400580
20	**Prosecutions** Location: Coleshill Street, Manchester Prosecution Text: Not Supplied Prosecution Act: ENVIRONMENTAL PROTECTION ACT 1990, SECTION 23 (1) (A) Hearing Date: 17th November 2004 Verdict: Not Supplied Fine: Not Supplied Cost: Not Supplied Positional Accuracy: Manually positioned within the geographical locality	A13SE (SE)	384	2	386136 399371

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	**Prosecutions** Location: Coleshill Street, Manchester Prosecution Text: Not Supplied Prosecution Act: WATER RESOURCES ACT 1991, SECTION 85 (1) Hearing Date: 17th November 2004 Verdict: Not Supplied Fine: Not Supplied Cost: Not Supplied Positional Accuracy: Manually positioned to the road within the address or location	A14SW (SE)	452	2	386231 399392
22	**Prosecutions** Location: Collyhurst Road Manchester Prosecution Text: Not Supplied Prosecution Act: PRODUCER RESP. OBLIG. (PACKAGING WASTE) REGS. 1997, REGULATION 34 (1) C Hearing Date: 9th February 2001 Verdict: Guilty Fine: 100 Cost: Not Supplied Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	885	2	385011 400071
22	**Prosecutions** Location: Collyhurst Road Manchester Prosecution Text: Not Supplied Prosecution Act: PRODUCER RESP. OBLIG. (PACKAGING WASTE) REGS. 1997, REGULATION 34 (1) B Hearing Date: 9th February 2001 Verdict: Guilty Fine: 1000 Cost: Not Supplied Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	885	2	385011 400071
22	**Prosecutions** Location: Collyhurst Road Manchester, Prosecution Text: Not Supplied Prosecution Act: PRODUCER RESP. OBLIG. (PACKAGING WASTE) REGS 1997, REGULATION 34 (1) (A) Hearing Date: 9th February 2001 Verdict: Guilty Fine: 100 Cost: Not Supplied Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	898	2	385008 400091
23	**Integrated Pollution Controls** Name: Degussa Ltd Location: Manox House, Coleshill Street, Manchester, Greater Manchester, M40 7aa Authority: Environment Agency, North West Region Permit Reference: BC9682 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (A) Inorganic Chemical processes within the Chemical Industry **Status:** **Authorisation revoked** Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	419	2	386176 399365
23	**Integrated Pollution Controls** Name: Degussa Ltd Location: Manox House, Coleshill Street, Manchester, Greater Manchester, M40 7aa Authority: Environment Agency, North West Region Permit Reference: AO1292 Dated: 31st January 1995 Process Type: IPC new application Description: 4.5 A (A) Inorganic Chemical processes within the Chemical Industry **Status:** **Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	419	2	386176 399365
24	**Integrated Pollution Prevention And Control** Name: Princes Ltd Location: Manchester Soft Drinks - Epr/Tp3832pn, Lord North Street, Newton Heath,, Manchester, M40 2HJ Authority: Environment Agency, North West Region Permit Reference: BP3849QC Original Permit Ref: Tp3832pn Effective Date: 11th August 2022 **Status:** **Surrender Effective** Application Type: Surrender App. Sub Type: Whole Positional Accuracy: Located by supplier to within 10m Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: Y	A14NE (E)	833	2	386660 399730

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	**Integrated Pollution Prevention And Control** Name: Princes Ltd Location: Manchester Soft Drinks - Epr/Tp3832pn, Lord North Street, Newton Heath,, Manchester, M40 2HJ Authority: Environment Agency, North West Region Permit Reference: CP3138CX Original Permit Ref: Tp3832pn Effective Date: 11th July 2012 **Status: Superseded By Variation** Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: Y	A14NE (E)	833	2	386660 399724
25	**Integrated Pollution Prevention And Control** Name: Princes Limited Location: Manchester Soft Drinks, Lord North Street,Manchester Soft Drinks, Newton Heath, Manchester, M40 2HJ Authority: Environment Agency, North West Region Permit Reference: Tp3832pn Original Permit Ref: Tp3832pn Effective Date: 11th August 2022 **Status: Surrendered** Application Type: Surrender App. Sub Type: Not Supplied Positional Accuracy: Automatically positioned to the address Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: Y	A14NE (E)	958	2	386767 399835
26	**Local Authority Pollution Prevention and Controls** Name: 21st Century Garages Location: 271 Oldham Road, Miles Platting, MANCHESTER, Lancashire, M10 7PS Authority: Manchester City Council, Environmental Health Department Permit Reference: PFS/50/98 Dated: 23rd December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorisation revoked** Positional Accuracy: Manually positioned to the address or location	A13SW (W)	181	3	385587 399568
27	**Local Authority Pollution Prevention and Controls** Name: Tarmac Central Ltd Location: Queens Road, Miles Platting, MANCHESTER, Lancashire, M10 8AU Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/B/01/04/AW Dated: 12th August 1992 Process Type: Local Authority Air Pollution Control Description: PG3/1Blending, packing, loading and use of bulk cement **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	A13NW (N)	305	3	385698 399915
28	**Local Authority Pollution Prevention and Controls** Name: Duo Plastics Ltd Location: Vickers Street, Manchester, Lancashire, M10 8fa Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/B/21/05/AW Dated: 21st June 1993 Process Type: Local Authority Air Pollution Control Description: PG6/17 Printing of flexible packaging **Status: Authorised** Positional Accuracy: Located by supplier to within 10m	A14SW (E)	342	3	386171 399545
29	**Local Authority Pollution Prevention and Controls** Name: Manchester Cabins Ltd Location: Harden Works, Oldham Road, MANCHESTER, Lancashire, M40 8AG Authority: Manchester City Council, Environmental Health Department Permit Reference: 64/93 Dated: 14th January 1994 Process Type: Local Authority Air Pollution Control Description: PG6/29 Di-isocyanate processes **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	474	3	386236 399865

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	**Local Authority Pollution Prevention and Controls** Name: Hanson Aggregates Location: Norton Street, Miles Platting, MANCHESTER, Lancashire, M40 8HD Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/B/04/05/AW Dated: 5th August 1992 Process Type: Local Authority Air Pollution Control Description: PG3/1Blending, packing, loading and use of bulk cement **Status:** **Authorised** Positional Accuracy: Manually positioned to the address or location	A14NE (E)	777	3	386591 399792
31	**Local Authority Pollution Prevention and Controls** Name: Tcs - Monsall Location: 571 Oldham Road, Newton Heath, MANCHESTER, Lancashire, M40 5AF Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/023/06 Dated: 22nd December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status:** **Authorised** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	844	3	386495 400145
32	**Local Authority Pollution Prevention and Controls** Name: Trafford Rubber Products Location: North Manchester Sites, 55 Clifton Street, Miles Platting, Manchester, Greater Manchester, M10 8hf Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/63/93 Dated: 12th September 1994 Process Type: Local Authority Air Pollution Control Description: PG6/28 Rubber processes **Status:** **Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	902	3	386737 399605
33	**Local Authority Pollution Prevention and Controls** Name: Hmg Paints Ltd Location: Riverside Works, Collyhurst Road, Manchester Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/B/27/05/AW Dated: 6th August 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG6/44 Manufacture of coating materials **Status:** **Permitted** Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	902	3	384995 400078
33	**Local Authority Pollution Prevention and Controls** Name: Hmg Paints Ltd Location: Riverside Works, Collyhurst Road, Collyhurst, Manchester, Lancashire, M10 7ru Authority: Manchester City Council, Environmental Health Department Permit Reference: 46/93 Dated: 6th August 1993 Process Type: Local Authority Air Pollution Control Description: PG6/10 Coating manufacturing **Status:** **Authorised** Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	915	3	384964 400050
34	**Local Authority Pollution Prevention and Controls** Name: Packaging Products (Coatings) Ltd Location: P O Box 2, Collyhurst Road, MANCHESTER, Lancashire, M40 7RX Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/B/02/06/RM Dated: 7th February 1996 Process Type: Local Authority Air Pollution Control Description: PG6/42 Bitumen and tar processes **Status:** **Authorised** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	907	3	384906 399899
35	**Local Authority Pollution Prevention and Controls** Name: North Manchester Commercials Location: Briscoe Lane, Newton Heath, MANCHESTER, Lancashire, M40 2NL Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/78/95/03 Dated: 1st November 1995 Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles **Status:** **Authorisation revoked** Positional Accuracy: Manually positioned to the address or location	A14SE (E)	972	3	386776 399369

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	**Local Authority Pollution Prevention and Controls** Name: Manco Manchester Coppersmiths Location: Phoenix Mill, 20 Piercy Street, MANCHESTER, Lancashire, M4 7HY Authority: Manchester City Council, Environmental Health Department Permit Reference: 66/94 Dated: 15th February 1994 Process Type: Local Authority Air Pollution Control Description: PG6/29 Di-isocyanate processes **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	A8SW (S)	979	3	385739 398598
37	**Local Authority Pollution Prevention and Control Enforcements** Location: Vickers Street, Manchester, Lancashire, M40 8pu Type: Air Pollution Control Enforcement Notice Reference: 42/93 Date Issued: 24th December 1996 Enforcement Date: Not Supplied Details: Empty Containers Often Stored Without Lids Positional Accuracy: Manually positioned to the road within the address or location	A14SW (E)	356	3	386179 399519
	Nearest Surface Water Feature	A13SE (SE)	339	-	386013 399319
38	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Affected; None Pollution Found Incident Date: 20th September 1996 Incident Reference: 96612071 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (NE)	407	2	386001 400001
39	**Pollution Incidents to Controlled Waters** Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Moston Bk; Crude Sewage Incident Date: 5th March 1996 Incident Reference: 96610411 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (W)	596	2	385200 399800
40	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Sewage Treatment Works Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Sewage - Treated Effluent Note: River Irk Incident Date: 3rd February 1993 Incident Reference: 93610156 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	769	2	385001 399701
41	**Pollution Incidents to Controlled Waters** Property Type: Boats/Ships Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Unknown Incident Date: 9th February 1994 Incident Reference: 94610262 Catchment Area: Irk Receiving Water: Groundwater Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	852	2	385006 399996

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	**Pollution Incidents to Controlled Waters** Property Type: Boats/Ships Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Found Incident Date: 9th February 1994 Incident Reference: 94620262 Catchment Area: Irk Receiving Water: Groundwater Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	855	2	385006 400001
41	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Not Given Note: Not Supplied Incident Date: 19th March 1992 Incident Reference: 92610464 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	857	2	385001 399996
41	**Pollution Incidents to Controlled Waters** Property Type: Pollution Found Source Not Determined Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Chemicals - Detergents/Surfactant Note: River Irk Incident Date: 27th October 1994 Incident Reference: 94612365 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	859	2	385001 400001
42	**Pollution Incidents to Controlled Waters** Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Moston Bk; Crude Sewage Incident Date: 16th January 1996 Incident Reference: 96610095 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	864	2	385800 400500
43	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Ancoats, MANCHESTER Authority: Environment Agency, North West Region Pollutant: Oils - Petrol Note: Car On Fire At Mozart Close Incident Date: 29th November 1998 Incident Reference: SO982082 Catchment Area: Rochdale Canal Receiving Water: Canal Cause of Incident: Fire Incident Severity: Category 3 - Minor Incident Positional Accuracy: Unknown	A7SE (SW)	868	2	385400 398800
44	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Moston Bk; Silt Incident Date: 25th March 1996 Incident Reference: 96610588 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	870	2	385400 400400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Ashton Canal; Green Based Oil Residue Incident Date: 7th April 1996 Incident Reference: 96630706 Catchment Area: Ashton Canal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	880	2	385700 398700
46	**Pollution Incidents to Controlled Waters** Property Type: Abandoned mine Location: Irk, Collyhurst Road, WINSFORD Authority: Environment Agency, North West Region Pollutant: Mining Water Note: Smelly And Yellow Incident Date: 17th March 1998 Incident Reference: SO980488 Catchment Area: Irk Receiving Water: Freshwater Stream/River Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	949	2	384901 400001
47	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Moston Brook Incident Date: 13th November 1991 Incident Reference: 91611756 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	968	2	385001 400201
48	**Registered Radioactive Substances** Name: Umist Location: PO Box 88, MANCHESTER, Lancashire, M60 1QD Authority: Environment Agency, North West Region Permit Reference: AC8886 Dated: 31st March 1991 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	966	2	385022 398985
49	**Substantiated Pollution Incident Register** Authority: Environment Agency - North West Region, South Area Incident Date: 14th May 2004 Incident Reference: 237969 Water Impact: Category 4 - No Impact Air Impact: Category 3 - Minor Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Organic Chemicals : Other Organic Wastes	A19SE (NE)	776	2	386517 399982
50	**Substantiated Pollution Incident Register** Authority: Environment Agency - North West Region, South Area Incident Date: 23rd July 2019 Incident Reference: 1721462 Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Inert : Construction / Demolition Material Pollutant: Specific Waste Materials: Household Waste	A8SW (S)	894	2	385793 398682

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	**Water Abstractions** Operator: Hanson Quarry Products Europe Limited Licence Number: 2569005061 Permit Version: 3 Location: Borehole At Norton Street, Miles Platting, Manchester Authority: Environment Agency, North West Region Abstraction: Construction: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: At Norton Street, Miles Platting Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th August 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NE (E)	737	2	386550 399790
51	**Water Abstractions** Operator: Hanson Quarry Products Europe Ltd Licence Number: 2569005061 Permit Version: 2 Location: Borehole At Norton Street, Miles Platting, Manchester Authority: Environment Agency, North West Region Abstraction: Construction: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: At Norton Street, Miles Platting Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st July 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NE (E)	737	2	386550 399790
52	**Water Abstractions** Operator: British Waterways Board Licence Number: 2569006030 Permit Version: Not Supplied Location: Manchester, MANCHESTER Authority: Environment Agency, North West Region Abstraction: Not Supplied Abstraction Type: Not Supplied Source: Canal Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Ashton Canal Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SE (S)	784	2	385900 398800
52	**Water Abstractions** Operator: British Waterways Licence Number: 2569006990 Permit Version: 100 Location: Ashton Canal, Manchester [Distillers, Ancoats] Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 750090 Details: (Lancashire Tar Distillers Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1969 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SE (S)	789	2	385900 398795

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	**Water Abstractions** Operator: Packaging Products (Coatings) Ltd Licence Number: 2569005015 Permit Version: 102 Location: B/Hole, Little Green Works, Collyhurst Rd, Manchester 10 Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Little Green Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th February 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	910	2	385000 400100
53	**Water Abstractions** Operator: Packaging Products Ltd Licence Number: 2569005015 Permit Version: 101 Location: B/Hole, Little Green Works, Collyhurst Rd, Manchester 10 Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Little Green Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th October 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	910	2	385000 400100
53	**Water Abstractions** Operator: Packaging Products Ltd Licence Number: 2569005015 Permit Version: 100 Location: B/Hole, Little Green Works, Collyhurst Rd, Manchester 10 Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 1637 Yearly Rate (m3): 438689 Details: Premises At Little Green Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st February 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	910	2	385001 400101
	Water Abstractions Operator: V H E Construction Limited Licence Number: 2569006040 Permit Version: Not Supplied Location: The River, Medlock, MANCHESTER Authority: Environment Agency, North West Region Abstraction: Dust Suppression Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 20 Yearly Rate (m3): 2000 Details: Licence Status: Lapsed Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	1091	2	386800 399100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: City Of Manchester Licence Number: 2569005038 Permit Version: Not Supplied Location: River Irk, Collyhurst, MANCHESTER Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 546 Yearly Rate (m3): 93557 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	1094	2	385300 400600
	Water Abstractions Operator: Cochrane & Gibbs Ltd Licence Number: 2569006022 Permit Version: Not Supplied Location: Rochdale Canal, Bower Street, Newton Heath, MANCHESTER Authority: Environment Agency, North West Region Abstraction: Boiler Feed & Manufacturing Abstraction Type: Not Supplied Source: Canal Daily Rate (m3): 773 Yearly Rate (m3): 168202 Details: Additional Purpose: Boiler feed; Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A20SW (E)	1135	2	386901 400001
	Water Abstractions Operator: City Of Manchester Licence Number: 2569005031 Permit Version: Not Supplied Location: Borehole, Collyhurst, MANCHESTER Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 364 Yearly Rate (m3): 124742 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22SE (NW)	1318	2	385200 400800
	Water Abstractions Operator: British Waterways Board Licence Number: 2569006030 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North West Region Abstraction: Not Supplied Abstraction Type: Not Supplied Source: Canal Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Ashton Canal Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A10SW (SE)	1337	2	386900 398800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: British Waterways Board Licence Number: 2569006992 Permit Version: Not Supplied Location: Ashton Canal, MANCHESTER Authority: Environment Agency, North West Region Abstraction: Drinking; Cooking; Sanitary; Washing For Industrial Premises Abstraction Type: Not Supplied Source: Canal Daily Rate (m3): 0 Yearly Rate (m3): 1136500 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A10SW (SE)	1340	2	386900 398795
	Water Abstractions Operator: Watney Mann (North) Ltd Licence Number: 2569005004 Permit Version: Not Supplied Location: Two Boreholes, NEWTON HEATH Authority: Environment Agency, North West Region Abstraction: Cooling & Manufacturing Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 1364 Yearly Rate (m3): 478435 Details: Additional Purpose: Cooling; Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A25SW (NE)	1587	2	386900 400800
	Water Abstractions Operator: Joseph Holt Ltd Licence Number: 2569004011 Permit Version: 100 Location: Borehole At Derby Brewery, Cheetham, Manchester 3 Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 182 Yearly Rate (m3): 45460 Details: Derby Brewery, Cheetham, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1666	2	384100 399700
	Water Abstractions Operator: Joseph Holt Ltd Licence Number: 2569004011 Permit Version: 100 Location: Borehole At Derby Brewery, Cheetham, Manchester 3 Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Derby Brewery, Cheetham, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1666	2	384100 399700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Joseph Holt Ltd Licence Number: 2569004011 Permit Version: 101 Location: Borehole At Derby Brewery, Cheetham, Manchester 3 Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Derby Brewery, Cheetham, Manchester Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 29th June 2023 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1681	2	384085 399685
	Water Abstractions Operator: Lancashire Dairies Ltd Licence Number: 2569004021 Permit Version: 100 Location: Borehole At Premises, Derby Street, Cheetham, Manchester Authority: Environment Agency, North West Region Abstraction: Dairies: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 436 Yearly Rate (m3): 159110 Details: Premises At Derby St,Cheetham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1874	2	383900 399800
	Water Abstractions Operator: Lancashire Dairies Ltd Licence Number: 2569004021 Permit Version: 100 Location: Borehole At Premises, Derby Street, Cheetham, Manchester Authority: Environment Agency, North West Region Abstraction: Dairies: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Derby St,Cheetham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1874	2	383900 399800
	Water Abstractions Operator: Centertex (U K) Limited Licence Number: 2569005008 Permit Version: Not Supplied Location: Reservoir Fed By Surface Drainage, & Spring, KINGSBRIDGE ROAD Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: River Daily Rate (m3): 409 Yearly Rate (m3): 102285 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1891	2	385500 401500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole Number 1 At Premises Strangeways Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1946	2	383850 399250
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole (No 1) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1946	2	383850 399250
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole (No 1) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Borehole At Strangeways, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1946	2	383850 399250
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole Number 1 At Premises Strangeways Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1946	2	383850 399250

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 101 Location: Borehole (No 1) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1946	2	383850 399250
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 101 Location: Borehole (No 1) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1946	2	383850 399250
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole Number 3 At Premises Strangeways Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1972	2	383830 399220
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole Number 3 At Premises Strangeways Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1972	2	383830 399220

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole Number 3 At Premises Strangeways Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1972	2	383830 399220
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole (No 3) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Borehole At Strangeways Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1972	2	383830 399220
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 101 Location: Borehole (No 3) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1972	2	383830 399220
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 101 Location: Borehole (No 3) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1972	2	383830 399220

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole Number 2 At Premises Strangeways Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1988	2	383820 399190
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole (No 2) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1988	2	383820 399190
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole Number 2 At Premises Strangeways Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1988	2	383820 399190
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole Number 2 At Premises Strangeways Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1988	2	383820 399190

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 101 Location: Borehole (No 2) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 682 Yearly Rate (m3): 194755 Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1988	2	383820 399190
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 101 Location: Borehole (No 2) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1988	2	383820 399190
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Medium	A13NE (NW)	0	4	385800 399607
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (NW)	0	4	385800 399607
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NE (NW)	0	4	385800 399607
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.3 Watercourse Level: Underground Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A13SE (SE)	340	5	386009 399315
55	**OS Water Network Lines** Watercourse Form: Transfer Watercourse Length: 44.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A13SE (SE)	340	5	386009 399315
56	**OS Water Network Lines** Watercourse Form: Transfer Watercourse Length: 14.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A13SE (SE)	347	5	386002 399302
57	**OS Water Network Lines** Watercourse Form: Lock or flight of locks Watercourse Length: 25.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A13SE (SE)	350	5	386031 399317
58	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 9.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A13SE (SE)	350	5	386040 399324
59	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 398.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A13SE (SE)	350	5	386048 399330
60	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 30.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A13SE (SE)	352	5	386020 399309
61	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 125.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A13SE (SE)	354	5	385996 399290
62	**OS Water Network Lines** Watercourse Form: Transfer Watercourse Length: 62.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A8NE (S)	373	5	385884 399215