







Old Market Street, Blackley

Phase 1 Preliminary Risk Assessment

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Client Name: Jigsaw Homes Group Ltd

Client Address: 249 Cavendish St, Ashton-under-Lyne OL6 7AT

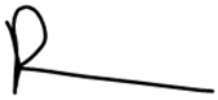
Site Address: Junction of Old Market Street and Domett Street, Blackley, Manchester, M9 8DG.

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Executive Summary

Appointment	In March 2021 Curtins were instructed by One Manchester Housing on behalf of Jigsaw to undertake a Phase 1 Preliminary Risk Assessment of a currently vacant plot of land located at the junction of Old Market Street and Domett Street, Blackley, Manchester, M9 8DG.The site is centred on NGR SD 85441 02923 and covers an area of approximately 0.06Ha. It is understood that the site is proposed to be redeveloped as residential dwellings.
Current Site Status	The site is located west of Domett Street and south of Old Market Street. The site is currently occupied by unkept grass surface covers and a path running diagonally across the site from the northwest to the southeast corner. A short wooden fence surrounds the site.
Site History	Earliest mapping (1848) shows the site as partially developed with terraced residential housing. The site was redeveloped by 1910 to comprise two roses of terraced residential dwellings, one aligned north-south on the eastern boundary and one aligned east-west on the northern boundary. By 1980, the buildings on site were demolished forming the grassed surface covering it has today. Mapping from the 1890s shows reservoirs located 80m north and 260m south. By the 1990s, they were backfilled as the surrounding areas were redeveloped. Industries located within 250m of the site have included a chemical works, mills, dye works, tannery, match works and chemical research laboratories. The surrounding area to the north, east and south were developed as terraced housing between the 1880s and 1930s and redeveloped as larger housing by the 1980s.
Geology	BGS mapping indicates that the site is underlain by Glaciofluvial Sheet Deposits and Manchester Marls Formation bedrock. Local BGS boreholes within 175m of the site record made ground underlain by predominantly granular Glaciofluvial Sheet Deposits (sand/gravel). Bedrock was not encountered. The site is located in a low probability radon area where <1% of homes are estimated to be at or above the radon Action Level.
Mining	While located in a coal mine reporting area, the site is not located in a Development High Risk Area and no recorded mine entries are within 1km. The risk from shallow coal mining is considered to be **Low**.
Hydrogeology	The site is underlain by a Secondary B Aquifer associated with the bedrock formation. The superficial deposits are designated as a Secondary A Aquifer. The site is not located within a Source Protection Zone (SPZ). There are no potable groundwater abstraction points within 500m.
Hydrology	The nearest surface water feature is a tributary of the River Irk located 72m west of the site flowing south-westwards. There are no surface water abstraction within 500m of the site.
Unexploded Ordnance	The risk from UXO associated with WWII bombing to the intrusive investigation is considered to be **Low** as a review of available online bomb damage mapping for Manchester does not record any bomb damage in the vicinity of the site.
Initial Ground Contamination Assessment	The risk from Made Ground soils posed to the site's end-users and construction workers is considered to be **Moderate / Low** due to the anticipated lack of contamination in potential Made Ground soils on site. The risk presented to groundwater and surface water receptors is considered to be **Moderate/Low** and **Very Low**, taking into account the lack of historical industrial land use on site. The risk posed to site end-users from ground generating gases arising from organic / putrescible soils on or near the site is considered to be **Moderate**.
Recommendations	The following recommendations are made with regards to further works at the site: 1. Undertake an intrusive ground investigation; 2. Undertake a GQRA as part of the ground investigation; and 3. Undertake Ground Gas Monitoring over a period of two-three months for methane, carbon dioxide, oxygen, hydrogen sulphide, gas flow in l/hr, weather conditions and barometric pressure (with confirmation if falling, steady or rising). It is further recommended that this work is completed in advance of any development works taking place.

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Table of Contents

1.0 Introduction 1
1.1 Project Background 1
1.2 Scope of Services 1
2.0 Current Site and Surrounding Area Details 2
2.1 Site Location and Current Details 2
2.2 Surrounding Area Details 3
3.0 Site History 4
4.0 Geology, Hydrogeology and Hydrology 6
4.1 Geology and Hydrogeology 6
4.1.1 Mining 7
4.1.2 Other Ground Stability Issues 7
4.1.3 Ground Gas 8
4.2 Hydrology 8
5.0 Unexploded Ordnance Risk Assessment 9
5.1 Preliminary UXO Assessment 9
6.0 Conceptual Site Model & Qualitative Risk Assessment 1
6.1 Additional Risk Assessments 1
7.0 Conclusion and Recommendations 3
7.1 Contaminants of Concern 3
7.2 Other Considerations 3
8.0 References 4

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Appendices

Appendix A **Drawings**

Appendix B **Envirocheck Report**

Appendix C **Qualitative Risk Assessment Rationale**

1.0 Introduction

1.1 Project Background

In March 2021 Curtins were instructed by One Manchester Housing on behalf of Jigsaw to undertake a Phase 1 Preliminary Risk Assessment of a currently vacant plot of land located at the junction of Old Market Street and Domett Street, Blackley, Manchester, M9 8DG.

The location and extent of the site is shown in *Figure 2.1* on the following page. It is understood that the site is to be developed for residential dwellings.

At the time of writing, no proposed site plans were available for review.

1.2 Scope of Services

The Phase 1 PRA is intended to provide an overview of the geo-environmental and geotechnical setting of the site, prior to the proposed development of the site.

Through this overview, the Phase 1 PRA aims to develop both a working conceptual and ground model for the site, as well as present an initial assessment of any risks that could be presented to the development including its intended end users and the wider environment.

Specifically, the Phase 1 PRA provides an initial assessment of the site regarding:

a) Potential on and offsite contamination from historical and/or current uses, including potential ground gas generating sources;
b) The potential impact on the wider environment by historical and or current use of the site of interest;
c) The potential impact from surrounding land uses and other environmental factors;
d) Potential problems associated with geological features such as faulting, mineral extraction, mining and land instability; and
e) The location of apparent sub-surface structures that may affect the proposed redevelopment.

Consideration of detailed flood risk, ecology and archaeological issues are outside of the scope of this report.

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2.0 Current Site and Surrounding Area Details

2.1 Site Location and Current Details

Site use, location and description are shown below in *Table 2.1* and *Figure 2.1*.

Table 2.1 – *Site Details*

Site Address	Junction of Old Market Street and Domett Street, Blackley, Manchester, M9 8DG
NGR	SD 85441 02923
Area of Site	Approximately 0.06 Ha.
Current Site Use and Description	The site is located west of Domett Street and south of Old Market Street. Access to the site is from Domett Street. The site is currently occupied by public open space, with an unkempt grass surface cover. A path runs diagonally across the site from the northwest to the southeast corner. A short wooden fence surrounds the site. The topography of the site is relatively flat.

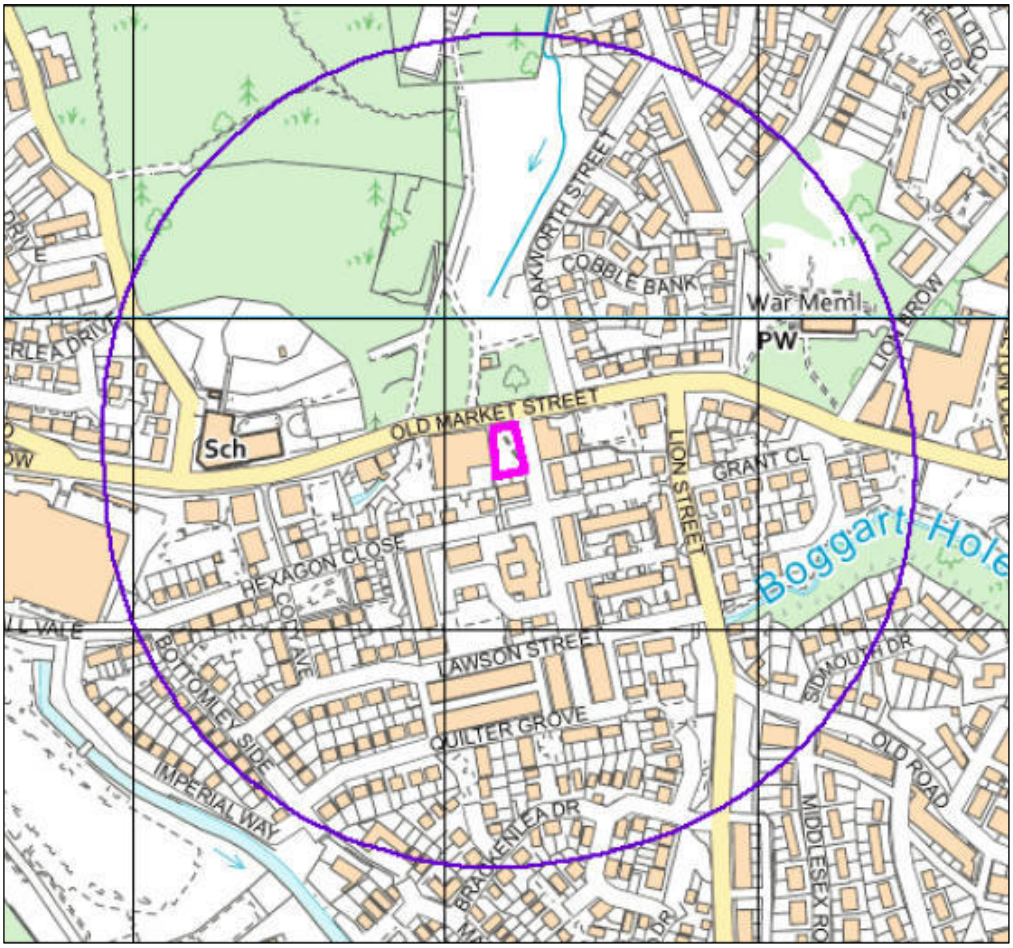


Figure 2.1 *– Site Location Plan (site boundary shown in pink and 250m buffer in purple). Crown Copyright. License Number 100022432.*

2.2 Surrounding Area Details

The following information was established through undertaking an environmental database search. The full Envirocheck report (Ref. 1) is included in *Appendix B*.

Table 2.2 – *Surrounding Land Uses*

Surrounding Area	**N**	Old Market Street and wooded area beyond.
	E	Domett Street and residential housing beyond.
	W	Commercial properties including Co-op Food.
	S	Residential housing.

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3.0 Site History

A review of the available historical mapping and other information for the site, as presented within the Envirocheck Report (Ref. 1), has been undertaken and is presented in *Table 3.0* below.

Table 3.0 –** Previous Site and Surrounding Area Uses and Potential Sources of Contamination. **Bold text refers to on-site activity.

Date	Description	Potential Sources of Contamination
1848 – 1980	**The earliest historical mapping (1848) shows the site as partially developed, with terraced residential housing.** In 1848, mapping shows residential development immediately north, east and west. The area to the south is undeveloped. Reservoirs are located 80m north and 260m south. Local industries include Crumpsall Vale Dye Works 250m south west and Print Works 230m south east. The River Irk is located 250m west, flowing south. By 1894, residential development is recorded to the south and continued development north including two schools. Local industries include a Chemical Works 220m west and the Print Works 230m south east is recorded as Lion Mills. By 1910, the Chemical Works 220m east and Lion Mills are no longer recorded. Central Mill (Paper Staining) is located 100m north west. A pit is recorded in the former location of Lion Mills. Blackley Mill is recorded 250m west. By 1923, Gospel Mission Chapel and residential housing is recorded 75m south. Local industries include Match Works 240m west, a Tannery 245m west. In 1932, Hexagon House (Chemical Research Laboratories) is recorded 110m south west. Electrical sub-stations are recorded 50m north, 210m west and 200m south west. The Gospel Mission Chapel is recorded as a school. By 1952, a saw mill is recorded 100m north west and by 1970, the pit 230m south west has been developed as residential housing.	• Potential for uncontrolled deposition of Made Ground during on-site construction of properties. • Dye Works and Chemical Works to the south, but surface water flow is to the south. • Potential for uncontrolled deposition of Made Ground during off-site construction of terraced properties and buildings.
1980 – 2020	**The properties on site have been demolished and the site is vacant as it is today.** Demolition of terraced houses constructed between 1880s and 1930s has occurred to the north, east and south of the site. The reservoir 80m north has been infilled. By 1979, the reservoir 260m south has been infilled. Between 1980 and 1990, local industry to the south west of the site including Crumpsall Vale Dye Works, Print Works, Match Works, Tannery and Blackley Mill have been demolished. The school 75m south is recorded as Blackley Adult learn Centre. By 1990, Hexagon Tower is recorded in the former site of Blackley Mill. The works associated with Hexagon House have been reconfigured to include four tanks and a chimney. By 1992, the areas of residential housing previously cleared to east and north west of the site have been redeveloped as semi-detached residential housing.	• Potential for uncontrolled deposition of Made Ground during demolition of terraced properties. • Potential for uncontrolled deposition of Made Ground during off-site construction and demolition of surrounding properties. • Potential gas source from nearby infilled reservoirs.

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Date	Description	Potential Sources of Contamination
	The majority of the works associated with Hexagon House has been cleared of structures. By 1999, the mill 100m north west is no longer recorded. A depot is recorded 400m south west. By 2020, the remainder of works associated with Hexagon House has been demolished and redeveloped as residential housing.	

Potential sources of onsite contamination are further discussed in *Section 6.0*.

4.0 Geology, Hydrogeology and Hydrology

4.1 Geology and Hydrogeology

A study of the Envirocheck (Ref. 1) Report and the British Geological Survey (BGS) 1:50,000 mapping records (Bedrock and Superficial Editions) for Manchester (Sheet 085) dated 2010 (Ref. 2) indicates the following geological and hydrogeological succession underlying the site:

Table 4.1 – *Geological/Hydrogeological Succession*

Geology	Associated Hydrogeological Classification
Glaciofluvial Sheet Deposits[1]	Secondary A Aquifer, [2]
Manchester Marls Formation – Mudstone[3]	Secondary B Aquifer[4]

Notes:
1. *Deposited by meltwater streams including mostly coarse-grained sediments (e.g. sand/gravel) with some finer-grained layers (clay/silt) Sand and gravel locally with lenses of silt, clay or organic material.*
2. *Permeable layers capable of supporting water supplies at a local rather than strategic scale, in some cases forming an important source of base flow to rivers.*
3. *Calcareous mudstone and siltstone with thin beds of fossiliferous marine limestone and dolomite.*
4. *Predominantly lower permeability layers which may store and yield limited amounts of groundwater due to localised features such as figures, thin permeable horizons and weathering – these are generally water bearing parts of the former non-aquifers.*

BGS records do not indicate the presence of made ground on site, however given the site's historic land use, primarily as residential dwellings present between 1848-1980, suggest made ground soils may be present beneath the site. There is potential that the terraced properties may have had basements, which would have been backfilled with demolition material.

There are two BGS recorded borehole logs available for review on site. However, the boreholes on site were undertaken using a 25mm percussion rig and only provided ground conditions at 1.00m intervals. It is therefore not representative of ground conditions on site. The nearest representative boreholes are recorded 148m east. These are summarised in *Table 4.2* below.

Table 4.2 – *BGS Borehole Records*

Record Reference	Location (NGR)	Details (bottom to top of strata/details/thickness of strata)	
SD80SE1464	148m east (385590, 402850)	0.00m to 1.60m bgl	MADE GROUND: Mixed clay, ash, brick and stone fill (1.60m)
		1.60m to 2.80m bgl	MADE GROUND: Stony sand fill (1.20m)
		2.80m to 4.20m bgl	MADE GROUND: Mixed ash, sand and rubble fill (1.40m)
		4.20m to 4.90m bgl	Soft stony SAND (0.70m)
		4.90m to 5.40m bgl	Loose SAND and GRAVEL (0.50m)
		5.40m to 11.60m bgl	Loose soft brown silty SAND (6.20m)
		11.60m to 20.30m bgl	Medium dense coarse SAND and fine GRAVEL (8.70m)
		20.30m to 22.00m bgl	Dense coarse SAND and GRAVEL (1.70)
		22.00m bgl	*Borehole terminated*

Record Reference	Location (NGR)	Details (bottom to top of strata/details/thickness of strata)	
SD80SE1134	174m east (385620, 402760)	0.00m to 1.30m bgl	MADE GROUND: Mixed clay, ash, brick and stone fill (1.30m)
		1.30m to 3.70m bgl	MADE GROUND: Soft loose sand mixed with sand and ash (2.40m)
		3.70m to 4.20m bgl	Soft grey silty CLAY (0.50m)
		4.20m to 5.10m bgl	Loose soft brown SAND (0.90m)
		5.10m to 5.60m bgl	Firm coarse SAND and GRAVEL (0.50m)
		5.60m to 10.50m bgl	Loose to medium dense silty SAND (4.90m)
		10.50m to 13.40m bgl	Coarse SAND and fine GRAVELS (2.90m)
		13.40m to 14.50m bgl	Dense coarse SAND and GRAVEL (1.10m)
		14.50m bgl	*Borehole terminated*

There are four fault lines within 1km of the site, all aligned northwest-southeast. The nearest are located approximately 420m south and 600m north of the site's boundaries, with other further south.

BGS records indicate the site is underlain by the Manchester Marls Formation (mudstone), the Chester Formation is located immediately south of the site.

The site is not situated within a Source Protection Zone (SPZ).

There is one groundwater abstraction point within 500m of the site. The entry is located 432m west operated by Avecia Ltd for Industrial/Commercial/Public Services: General Cooling.

4.1.1 Mining

A review of the Coal Authority interactive mapping (Ref. 4) for the area indicates that the site is located within a Coal Mining Reporting Area, however it is not located within a Development High-Risk Area.

There are no recorded mine entries within 1km of the site.

There are no recorded coal workings and no probable coal workings within 1km of the site.

Consequently, the risk to development from historic coal mining is considered to be **Low**. No further actions are required to further asses the risk to development from historic coal mining.

There are eight BGS mineral sites located within 1km of the site. The nearest entry is located 352m north of the site, an opencast site known as Pike Fold Sand Pit which extracted sand. It is recorded to have ceased works.

4.1.2 Other Ground Stability Issues

The Envirocheck Report (Ref. 1) confirms that there is a low risk to no hazard from the following ground stability hazards on the site; collapsible ground, compressible ground, ground dissolution, landslide ground, running sands and shrinking or swelling clay.

4.1.3 Ground Gas

Given historic development on site, primarily for residential use, it is possible that made ground soils and demolition material may be present on site. These soils may act as a source of ground gas generation.

There are no BGS recorded landfills within 500m of the site.

There are two historic landfills located within 500m of the site. The nearest entry is recorded 157m north referred to as Land at Pike Folder Lane. No information is available relating to the input waste or input dates.

The nearest area of infilled land (non-water) is located 165m south.

One infilled water feature (Pond, marsh, river, stream etc.) is located within 100m of the site. The nearest is located 81m north, which is an infilled reservoir dated 1956.

The Envirocheck Report (Ref. 1) indicates a significant area of made ground recorded approximately 240m south east of the site, extending to the south and west.

The Envirocheck Report (Ref. 1) and BGS Radon Mapping (Ref. 5) confirms the site is situated in an area where <1% of homes are above the radon action level. Radon protection measures are therefore not considered necessary within the proposed development. However, where the new development incorporates a basement the advice of a specialist Radon assessor must be obtained.

4.2 Hydrology

The nearest surface water feature is a tributary of the River Irk located 72m west which flows south-westwards.

One pollution incident to controlled waters has occurred within 250m of the site. The nearest entry is recorded 113m south east and was recorded as Category 3 – Minor Incident.

There are no surface water abstractions within 500m.

There are 3No. surface water discharge consents within 250m of the site. The nearest entry active entry is located 231m west operated by United Utilities Water Limited for Public Sewage: Storm Sewage Overflow. The receiving water is recorded as a culverted section of River Irk.

5.0 Unexploded Ordnance Risk Assessment

Military activities including those conducted as part of both the First and Second World Wars have resulted in a legacy of unexploded ordnance (UXO) being present within the shallow soils of the UK.

UXO result from various sources including both allied (military training) and German (bombing raids) with a guide figure of approximately 10% of all munitions failing to function as designed.

The likelihood of UXO being encountered on a development site is influenced by several factors including; the proximity to strategic targets, the nature of the development works being undertaken and evidence of local damage in the post-war periods amongst others. To determine the likelihood of UXO being present on a site, a step-wise risk assessment process is followed. This process is outlined within CIRIA C681 Unexploded Ordnance: A Guide for the Construction Industry (Ref. 6) with the following commentary considered to represent a Preliminary Risk Assessment intended to guide if and where there is a requirement for a Detailed Risk Assessment.

5.1 Preliminary UXO Assessment

Risk mapping (Ref. 7) for UXO's has placed the site in a **Moderate** risk area. Moderate-risk regions are those that show a bomb density of between 11 and 50 bombs per 1000 acres and that may contain potential WWII targets. Action to mitigate the risk is considered essential, albeit more likely that a reduced scope of work is required compared with that needed for high-risk regions.

A review of the available post-WWII historic mapping (Ref. 1) identified that many terraced properties on site were cleared / demolished post-WWII.



A review of available online bomb damage mapping for Manchester (Ref. 8) does not record any bomb damage in the vicinity of the site.

Considering the above, the risk of encountering potential UXO as part of future intrusive works is considered **Low**.

If unexploded ordnance is discovered during any works, stop immediately, prevent access to the area, and inform the police. If the site boundary or location changes then the UXO risk should be reassessed.

6.0 Conceptual Site Model & Qualitative Risk Assessment

The conceptual site model (CSM) and Qualitative Risk Assessment (QRA) are presented in the table within this section.

The CSM details the source-pathway-receptor linkages or potential pollutant linkages (PPL) that have been identified for the site. The QRA details the associated level of risk relating to these potential pollutant linkages.

The CSM and QRA concern risk to human health and water environment with additional, more specific risk assessment protocols contained within the main body of this reporting, as detailed in *Section 6.1* below.

The QRA follows the framework outlined within CIRIA C552 (Ref. 9) which is summarised within *Appendix C.*

The 'risk rating' within the QRA refers to the risk that the source, pathway, receptor linkage or PPL is complete. Unless specifically stated it does not necessarily refer to an immediate risk and is intended to be used as a tool to assess the necessity for further assessment/investigation.

6.1 Additional Risk Assessments

The following risk assessments, listed below, are not included within the main CSM and QRA but nonetheless can be of critical importance to the onward development of the site:

- The risk presented by Mining is discussed and assessed in *Section 4.1.1*.
- The risk presented by Radon is discussed and assessed in *Section 4.1.3*.
- The risk presented by Unexploded Ordnance is discussed and assessed in *Section 5.0*.

Under current health and safety legislation, employers are required to carry out their own appropriate risk assessments and mitigation to protect themselves and their employees, other human receptors and the environment from potential contamination. Such risks must be adequately mitigated by law, specifically the Construction Design Management (CDM) Regulations, 2015 (Ref. 10) which require that potential risks to human health and the environment from construction activities are appropriately identified and all necessary steps taken to eliminate / manage that risk. It has been assumed that any future construction works on site will be undertaken in compliance with these requirements.

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- The table below represents the first stage in the land quality risk assessment process: The Qualitative Risk Assessment.
- For a development site to be deemed 'suitable for use', the level of risk needs to be brought down to acceptable levels, i.e. low to very low risk. The purpose of each stage of risk assessment is ultimately to establish, if there is a requirement for additional levels of assessment to be made to have sufficient confidence to support a risk characterisation or management decision, e.g. remedial action.
- In the absence of specific site data, a Generic Quantitative Risk Assessment is invariably recommended.

Conceptual Site Model			Qualitative Risk Assessment			Recommended Actions
Source	**Pathway(s)**	**Receptor(s)**	**Consequence**	**Likelihood of Occurrence**	**Risk Rating**	
Significant sources of on-site contamination: • Made Ground of unknown composition from uncontrolled deposition of materials onsite during the construction and demolition of properties onsite Significant sources of off-site contamination: • Uncontrolled deposition of Made Ground during the construction of roads and structures and demolition near and adjacent to the site's boundaries.	Direct contact, ingestion, inhalation (dust and vapours)	**End-user of site** (Residents) **& Construction Workers**	**Medium** Chronic health risk	**Low Likelihood** Based on the site's limited development history and lack of historical industrial use, the likelihood of encountering significant contamination within the Made Ground is considered to be Low. There is potential for localised contamination related to ACM-containing materials considering structures onsite before 2000s. Likelihood of construction workers coming into contact with contamination on site can reduced by appropriate PPE.	**Moderate / Low**	**Generic Quantitative Risk Assessment** Recommended as part of the ground investigation.
	Vertical migration through the superficial deposits (soils) May occur due to existing service corridors and physical processes including; capillary action and downwards into the natural deposits through infiltration.	**Controlled Waters** (Groundwater) Secondary Aquifer –A (superficial deposits) Secondary B (bedrock) There are no potable groundwater abstraction points within 500m. The site is not within a designated Source Protection Zone.	**Medium** Pollution of sensitive water resources	**Low** The site is not located within a Source Protection Zone and the low likelihood of significant contamination being present in the made ground due to lack of historical industrial land use. There is one groundwater abstraction recorded 432m west of the site. However, it is not a potable ground water abstraction and due to the distance from the site and the above commentary, it is unlikely that contamination could pose a risk to the aquifer.	**Moderate/ Low**	No further action required
	Horizontal migration over and through the superficial deposits (soils)	**Controlled Waters** (Surface Water) Nearest surface water feature is a tributary of the River Irk located 72m west flowing south-westwards. No surface water abstraction points within 500m.	**Mild** Pollution of non-sensitive water resources	**Unlikely** Considering the distance from the site to the nearest surface water receptor and the expected low levels of contamination within the Made Ground, this pathway is considered unlikely.	**Very Low**	No further action required
Significant sources of ground gas: • Potential gas source from nearby infilled reservoirs north and south • Potential ground gas source from significant made ground 240m south east of the site • Infilled land (non-water) located 165m south • Infilled land (water) located from 81m north.	Vertical and horizontal migration through existing service corridors and the underlying superficial deposits	**End-user of site** (Residents)	**Medium** Human health risk	**Likely** There is potential for gas generation from any localised organically rich deposits present in the Made Ground or superficial soils and reflecting.	**Moderate**	**Generic Quantitative Risk Assessment** Recommended as part of the ground investigation.

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7.0 Conclusion and Recommendations

The qualitative risk assessment (QRA) determined a varied level of level of risk associated with the proposed development.

The QRA concluded by recommending that generic quantitative risk assessments (GQRA) were conducted to confirm the assessment of risk ascribed to each of the respective potential pollutant linkages (PPLs). It is recommended that the GQRA is conducted as part of a ground investigation in support of the engineering design of the proposed development.

In summary, the following recommendations are made:

- Undertake an intrusive ground investigation;
- Undertake a GQRA as part of the ground investigation; and
- Undertake ground gas monitoring over a period of two-three months for potential hazardous gases.

It is further recommended that the site investigation works are completed in advance of any development works taking place.

7.1 Contaminants of Concern

Potential contaminants of concern associated with the sources identified within the Conceptual Site Model in *Section 6.0* of this reporting include but are not limited to: broad range aliphatic and aromatic hydrocarbons present within any fuel oils; polycyclic aromatic hydrocarbons (PAHs); inorganic compounds including heavy metals; and asbestos present in discarded building materials.

Potential contaminants associated with the airborne dust/particulates include but are not limited to: polycyclic aromatic hydrocarbons and inorganic compounds including toxic metals that are also accounted for by potential onsite contaminants of concern.

7.2 Other Considerations

The requirement for additional surveys, e.g. arboricultural and ecological surveys, should be confirmed through advice from a suitably qualified and experienced professional.

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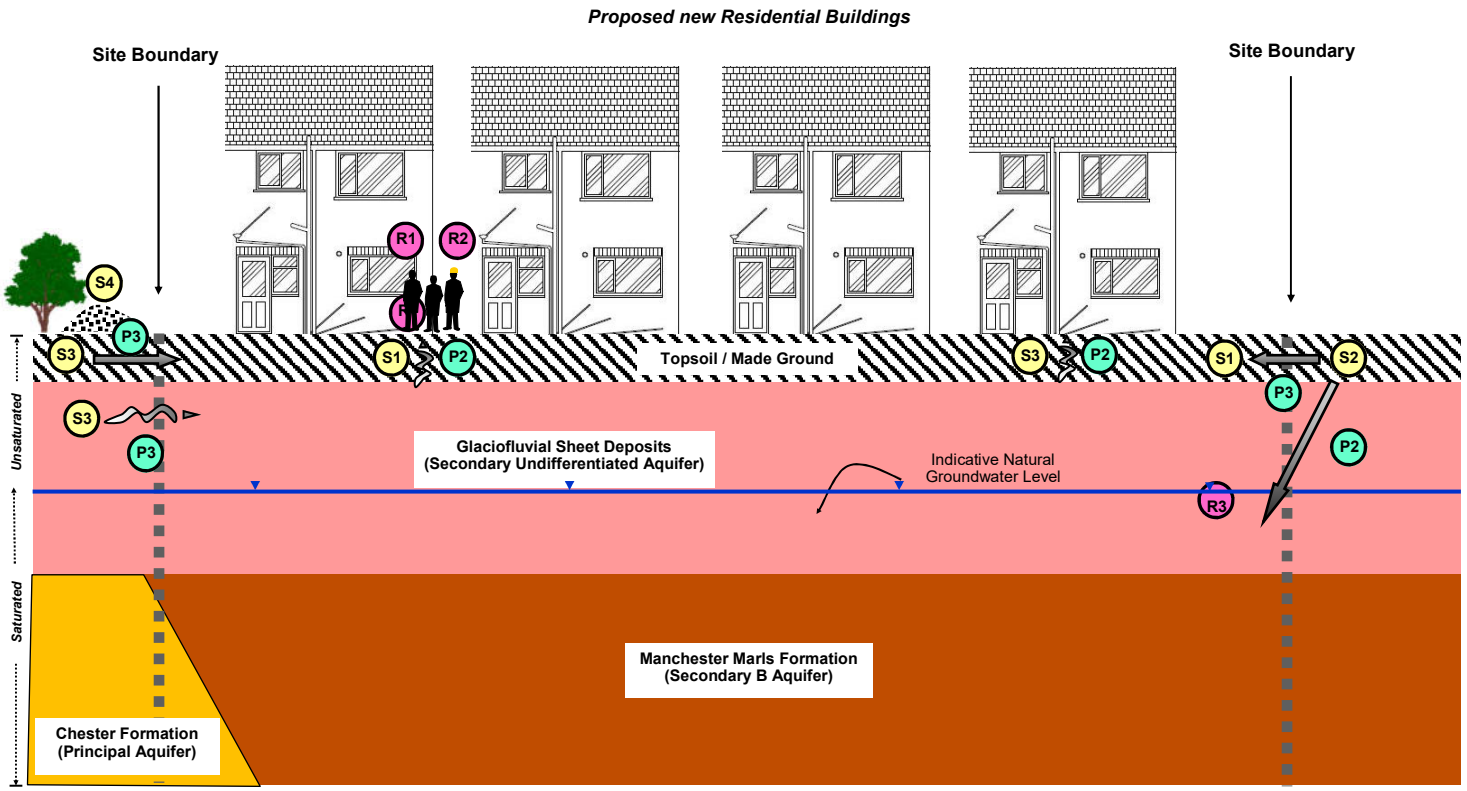
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Appendix A Drawings

- Curtins, Conceptual Site Model, 077873-CUR-00-XX-DR-GE-018-V01

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Old Market Street, Blackley



Sources

- S1 Made Ground soils (on-site)
- S2 Made Ground soils (off-site)
- S3 Ground gas generating sources
- S4 Infilled Ground

Pathways

- P1 Direct contact, ingestion and or inhalation
- P2 Vertical migration
- P3 Horizontal migration

Receptors

- R1 End users (Residential)
- R2 Construction Workers
- R3 Groundwater
- R4 Surface water

curtins
Merchant Exchange,
17-19 Whitworth Street West,
Manchester, M1 5WG

Project	Job Reference	Author	Client
Old Market Street, Blackley	B077873	PH	Jigsaw
Drawing Title	**Date**	**Checked**	**Drawing Number**
Diagrammatic Conceptual Model	10/05/21	PDW	077873-CUR-00-XX-DR-GE-018-V01

Appendix B Envirocheck Report

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Envirocheck® Report:

Datasheet

Order Details:

Order Number:
273940120_1_1

Customer Reference:
EBMA2711

National Grid Reference:
385440, 402910

Slice:
A

Site Area (Ha):
0.06

Search Buffer (m):
1000

Site Details:

Site located at 385440,402910
M9 8DG

Client Details:

Ms S Hyde
Curtins Consulting Ltd
Merchant Exchange
17-19 Whitworth Street West
Manchester
M1 5WG

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Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	29
Hazardous Substances	-
Geological	34
Industrial Land Use	39
Sensitive Land Use	51
Data Currency	52
Data Suppliers	58
Useful Contacts	59

Introduction

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

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Report Version v53.0

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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 4		3	26	15
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 15				1
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 15			2	2
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 15		Yes		
Pollution Incidents to Controlled Waters	pg 16		1		2
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances	pg 16		2	4	10
River Quality	pg 19			1	
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 19			1	10 (*2)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 22	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 22	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 22	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 22		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 22		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 23		9	22	23

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 29		1	1	5
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 30	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 30		2	3	13
Potentially Infilled Land (Water)	pg 31		3	16	31
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

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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 34	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 34	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 36			3	5
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 37	Yes	n/a	n/a	n/a
Mining Instability			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 38	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 38		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 38	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 38	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 38		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 39		11	23	27
Fuel Station Entries	pg 44			2	
Points of Interest - Commercial Services	pg 44			10	11
Points of Interest - Education and Health	pg 46				8
Points of Interest - Manufacturing and Production	pg 46		3	10	12
Points of Interest - Public Infrastructure	pg 48		1	8	8
Points of Interest - Recreational and Environmental	pg 50				7
Gas Pipelines					
Underground Electrical Cables					

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 51				2
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 51			1	1
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 51	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (SE)	0	1	385440 402914
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (W)	33	1	385400 402900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	69	1	385440 403000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	78	1	385400 403000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	85	1	385350 402950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	106	1	385550 402950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	126	1	385550 403000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	131	1	385500 403050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	146	1	385350 403050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	156	1	385600 402950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	174	1	385400 403100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	195	1	385250 403000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	199	1	385550 403100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	199	1	385300 402750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	205	1	385650 402950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (E)	206	1	385650 402850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	236	1	385350 403150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	243	1	385550 403150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	250	1	385250 403100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (E)	254	1	385700 402850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	264	1	385700 403000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	266	1	385650 403100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	281	1	385700 403050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	283	1	385350 403200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	300	1	385650 403150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	302	1	385300 403200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	306	1	385700 403100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	310	1	385600 403200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	327	1	385750 403050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	330	1	385150 403100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	332	1	385350 403250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	335	1	385750 402750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (N)	336	1	385550 403250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	345	1	385150 402700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	349	1	385800 402914
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	357	1	385200 403200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	364	1	385100 402750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	371	1	385700 403200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	376	1	385150 402650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	378	1	385200 402600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (SE)	381	1	385800 402750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	387	1	385100 402700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	394	1	385300 403300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	399	1	385850 402900

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	A14SW (E)	399	1	385850 402914
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	402	1	385850 402950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	410	1	385850 403000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	411	1	385050 402750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	411	1	385150 402600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (NE)	417	1	385800 403150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (SE)	430	1	385800 402650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12SE (W)	432	1	385000 402914
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12NE (NW)	441	1	385050 403150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	444	1	385000 402800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	448	1	385700 403300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	449	1	385000 403050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	449	1	385900 402900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	449	1	385900 402914
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	458	1	385000 402750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (NW)	459	1	385250 403350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (SE)	461	1	385800 402600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	462	1	385750 402550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (NW)	462	1	385100 403250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (NW)	468	1	385050 403200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	469	1	385450 403400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (NW)	485	1	385000 403150

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	490	1	385700 403350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	493	1	384950 402800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A9NW (SE)	496	1	385800 402550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	499	1	385950 402900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (NW)	499	1	385050 403250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	499	1	385000 402650
1	**Discharge Consents** Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Lion St/Grant St, Sso, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0154 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: Boggart Hole Brook **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	98	2	385540 402860
2	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Mill Brow/Blackley New Road Cso Rear Of Hexagon Tower, ., Crumsall Vale, Manchester, M9 8gq Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982717 Permit Version: 2 Effective Date: 4th December 2019 Issued Date: 4th December 2019 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: A Culverted Section River Irk **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A13SW (W)	231	2	385204 402866
2	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Mill Brow/Blackley New Road Cso Rear Of Hexagon Tower, ., Crumsall Vale, Manchester, M9 8gq Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016993671 Permit Version: 1 Effective Date: 9th January 2020 Issued Date: 9th January 2020 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Culverted Trib Of River Irk **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A13SW (W)	232	2	385205 402856

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Blackley Sso, Middleton Old Road/Rochdale Road, Blackley, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982716 Permit Version: 1 Effective Date: 28th November 1994 Issued Date: Not Supplied Revocation Date: 16th June 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Boggart Hole Brook **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	260	2	385690 402800
4	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Mill Brow/Blackley New Road Cso Rear Of Hexagon Tower, ., Crumsall Vale, Manchester, M9 8gq Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0112 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 25th January 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 10m	A13SW (W)	264	2	385170 402880
4	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Mill Brow/Blackley New Road Cso Rear Of Hexagon Tower, ., Crumsall Vale, Manchester, M9 8gq Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982717 Permit Version: 1 Effective Date: 30th September 1994 Issued Date: Not Supplied Revocation Date: 3rd December 2019 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 (W)	273	2	385160 402890
4	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Mill Brow/Blackley New Road Cso Rear Of Hexagon Tower, ., Crumsall Vale, Manchester, M9 8gq Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0269 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	A13SW (W)	273	2	385160 402885

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	**Discharge Consents** Operator: Mr H Downs Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Old Houses At Home, Bottomly Side, Blackely, Manchester, M9 8ep Authority: Environment Agency, North West Region Catchment Area: Irk Reference: 01m/957 Permit Version: 1 Effective Date: 26th October 1963 Issued Date: 26th October 1963 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Unknown **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A13SW (S)	271	2	385337 402645
6	**Discharge Consents** Operator: United Utilities Water Plc (?) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Mill Brow/Blackley New Road Cso Rear Of Hexagon Tower, ., Crumsall Vale, Manchester, M9 8gq Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0112 Permit Version: 2 Effective Date: 26th January 2005 Issued Date: Not Supplied Revocation Date: 8th January 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	A13SW (W)	299	2	385150 402800
7	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Middleton Old Rd/Market S, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0267 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: Boggarts Hole Brook **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A13SE (E)	302	2	385750 402860
8	**Discharge Consents** Operator: Qds Environmental Limited Property Type: WASTE COLLECTION/TREATMENT/DISPOSAL/MATERIALS RECOVERY Location: Hexagon Tower Main Car Park Crumpsall Vale, ., Blackley, Manchester, M9 8ep Authority: Environment Agency, North West Region Catchment Area: Irk Reference: Npswqd002604 Permit Version: 1 Effective Date: 21st May 2008 Issued Date: 21st May 2008 Revocation Date: 30th November 2008 Discharge Type: Trade Effluent Discharge Environment: Freshwater Stream/River Receiving Water: 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	A13SW (SW)	307	2	385199 402699

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	**Discharge Consents** Operator: Ici Chemicals & Polymers Ltd Property Type: MAKING OF CHEMICALS + CHEMICAL PRODUCTS Location: Ici Works Swo, Crumpsall, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991421 Permit Version: 1 Effective Date: 1st April 1992 Issued Date: Not Supplied Revocation Date: 1st April 1992 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	A13SW (S)	325	2	385330 402590
10	**Discharge Consents** Operator: Qds Environmental Limited Property Type: Mobile Plant Location: Hexagon Tower Main Car Park Crumpsall Vale, ., Blackley, Manchester, M9 8ep Authority: Environment Agency, North West Region Catchment Area: Irk Reference: Npswq000920 Permit Version: 1 Effective Date: 21st May 2008 Issued Date: 21st May 2008 Revocation Date: 30th November 2008 Discharge Type: Discharge Of Other Matter-Ground Water Discharge Environment: Underground Water Receiving Water: Groundwaters **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	A13SW (SW)	334	2	385210 402650
10	**Discharge Consents** Operator: Qds Environmental Limited Property Type: WASTE COLLECTION/TREATMENT/DISPOSAL/MATERIALS RECOVERY Location: Hexagon Tower Main Car Park Crumpsall Vale, ., Blackley, Manchester, M9 8ep Authority: Environment Agency, North West Region Catchment Area: Irk Reference: Npswqd000920 Permit Version: 1 Effective Date: 21st May 2008 Issued Date: 21st May 2008 Revocation Date: 30th November 2008 Discharge Type: Trade Effluent Discharge Environment: Underground Water Receiving Water: Groundwaters **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	A13SW (SW)	334	2	385210 402650
11	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Cleveland Rd Delaunay Rd Cso 288nj Delaunays Road, ., ., Manchester, M9 8gq Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0078 Permit Version: 3 Effective Date: 25th June 2018 Issued Date: 25th June 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	A12SE (W)	385	2	385056 402820

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	**Discharge Consents** Operator: United Utilities Water Plc (?) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Charlestown Road Cso 114 Charlestown Road, ., ., Manchester, M9 7br Authority: Environment Agency, North West Region Catchment Area: Irk Reference: Npswqd006371 Permit Version: 1 Effective Date: 29th April 2009 Issued Date: 29th April 2009 Revocation Date: 31st March 2018 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Boggart Hole Brook **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	A14SW (SE)	387	2	385807 402750
12	**Discharge Consents** Operator: United Utilities Water Plc (?) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Outside 130&132 Charlestown Rd Cso, Charlestown Road, Manchester Authority: Environment Agency, North West Region Catchment Area: Irk Reference: 016993793 Permit Version: 1 Effective Date: 21st June 2005 Issued Date: 21st June 2005 Revocation Date: 26th June 2009 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Boggart Hole Brook Trib Of Irk **Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	390	2	385810 402750
12	**Discharge Consents** Operator: United Utilities Water Plc (?) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Outside 167 Charlestown Road Cso, Charlestown Road, Manchester Authority: Environment Agency, North West Region Catchment Area: Irk Reference: 016993782 Permit Version: 1 Effective Date: 21st June 2005 Issued Date: 21st June 2005 Revocation Date: 26th June 2009 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Boggart Hole Brook Trib Irk **Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	390	2	385811 402751
12	**Discharge Consents** Operator: United Utilities Water Plc (?) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Booth Hall Road, Manchester Authority: Environment Agency, North West Region Catchment Area: Irk Reference: 016993772 Permit Version: 1 Effective Date: 21st June 2005 Issued Date: 21st June 2005 Revocation Date: 26th June 2009 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Boggart Hole Brook **Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	391	2	385812 402752

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: Charlestown Road Cso 114 Charlestown Road, ., ., Manchester, M9 7br Authority: Environment Agency, North West Region Catchment Area: Irk Reference: Npswqd006371 Permit Version: 2 Effective Date: 1st April 2018 Issued Date: 12th March 2018 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Boggart Hole Brook **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	392	2	385810 402745
13	**Discharge Consents** Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Booth Hall Road, Sso, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0120 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: Boggart Hole Brook **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A14SW (E)	390	2	385830 402810
13	**Discharge Consents** Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Booth Hall Road, Sso, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0121 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: Boggart Hole Brook **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	A14SW (E)	390	2	385830 402810
14	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Cleveland Rd Delauneys Rd Cso 281kk Delauneys Road, ., ., Manchester, M9 8gq Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0078 Permit Version: 2 Effective Date: 26th November 2004 Issued Date: 26th November 2004 Revocation Date: 24th June 2018 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	A12SE (W)	393	2	385050 402810

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: Cleveland Rd Delauneys Rd Cso 281kk Delauneys Road, ., ., Manchester, M9 8gq Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0078 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 25th November 2004 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	A12SE (W)	399	2	385040 402830
14	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Cleveland Rd Delauneys Rd Cso 281kk Delauneys Road, ., ., Manchester, M9 8gq Authority: Environment Agency, North West Region Catchment Area: Irk Reference: 01MAN0117 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: 1st January 1995 Revocation Date: 23rd May 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	A12SE (W)	441	2	385001 402811
14	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Cleveland Rd Delauneys Rd Cso 281kk Delauneys Road, ., ., Manchester, M9 8gq Authority: Environment Agency, North West Region Catchment Area: Irk Reference: 016993738 Permit Version: 2 Effective Date: 2nd July 2018 Issued Date: 2nd 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	A12SE (W)	442	2	385000 402810
14	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Cleveland Rd/Delauneys Road, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Irk Reference: 01man0117 Permit Version: 2 Effective Date: 14th April 2009 Issued Date: 14th April 2009 Revocation Date: Not Supplied 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	A12SE (W)	442	2	385000 402810

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	**Discharge Consents** Operator: United Utilities Water Plc (?) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Cleveland Rd Delauneys Rd Cso 281kk Delauneys Road, ., ., Manchester, M9 8gq Authority: Environment Agency, North West Region Catchment Area: Irk Reference: 016993738 Permit Version: 1 Effective Date: 24th May 2005 Issued Date: 24th May 2005 Revocation Date: 1st July 2018 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	A12SE (W)	442	2	385000 402810
15	**Discharge Consents** Operator: French Barn Lane Horticultural Society Property Type: FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Location: French Barn Lane Allotments, French Barn Lane, Blackley, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991084 Permit Version: 1 Effective Date: 25th February 1986 Issued Date: Not Supplied Revocation Date: 1st July 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Lapsed (under Environment Act 1995, Schedule 23)** Positional Accuracy: Approximate location provided by supplier	A12NE (W)	438	2	385000 403000
16	**Discharge Consents** Operator: British Cables Company Limited Property Type: MAKING OF ELECTRICAL EQUIP/BATTERIES/DOMESTIC APP Location: Premises, Delaunays Road, Blackley, Manchester, M9 8fp Authority: Environment Agency, North West Region Catchment Area: Irk Reference: 016993100 Permit Version: 2 Effective Date: 7th July 2002 Issued Date: 7th July 2002 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Cooling Water Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A12SE (W)	614	2	384820 402860
17	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Middleton Old Road Cso Middleton Old Road, ., Manchester, Greater Manchester, M9 8ay Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Npswqd010702 Permit Version: 2 Effective Date: 1st April 2018 Issued Date: 5th March 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	A8SW (S)	668	2	385406 402231

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: Middleton Old Road Cso Middleton Old Road, ., Manchester, Greater Manchester, M9 8ay Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Npswqd010702 Permit Version: 1 Effective Date: 4th December 2014 Issued Date: 4th December 2014 Revocation Date: 31st March 2018 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: New issued under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A8SW (S)	669	2	385410 402230
17	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Middleton Old Road Cso Middleton Old Road, ., Manchester, Greater Manchester, M9 8ay Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0135 Permit Version: 2 Effective Date: 26th March 2010 Issued Date: 26th March 2010 Revocation Date: 3rd December 2014 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	A8SW (S)	669	2	385410 402230
17	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Middleton Old Road Cso Middleton Old Road, ., Manchester, Greater Manchester, M9 8ay Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0135 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 25th 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	A8SW (S)	669	2	385410 402230
18	**Discharge Consents** Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Charlestown Rd/Polefield, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0132 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: Boggart Hole Brook **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A14SE (E)	800	2	386250 402860

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	**Discharge Consents** Operator: United Utilities Water Plc (?) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Chuddleigh Road Cso Chudleigh Road, Rear Of 112 Herristone Road, Manchester, Greater Manchester, M8 4pn Authority: Environment Agency, North West Region Catchment Area: Irk Reference: 016993672 Permit Version: 1 Effective Date: 11th July 2005 Issued Date: 11th July 2005 Revocation Date: 10th December 2019 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	A12SW (W)	824	2	384610 402860
19	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Chuddleigh Road Cso Chudleigh Road, Rear Of 112 Herristone Road, Manchester, Greater Manchester, M8 4pn Authority: Environment Agency, North West Region Catchment Area: Irk Reference: 016993672 Permit Version: 2 Effective Date: 10th December 2019 Issued Date: 10th December 2019 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: The River Irk Via Sws **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A12SW (W)	826	2	384608 402864
20	**Discharge Consents** Operator: Belden (Uk) Ltd Property Type: MAKING OF MACHINERY/ENGINE/PUMP/FURNACE/TRACTOR Location: Delauneys Road Premises, Blackley, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016993100 Permit Version: 1 Effective Date: 7th November 1995 Issued Date: Not Supplied Revocation Date: 6th July 2002 Discharge Type: Trade Discharges - Cooling Water 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)	835	2	384600 403000
21	**Discharge Consents** Operator: Manchester City Council Property Type: FOOD+BEVERAGE SERVICES/CAFE/RESTAURANT/PUB Location: Public Conveniences & Parks Cafe Boggart Hall Clough, Rochdale Rd, Manchester, Lancashire Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 0171/1344 Permit Version: 1 Effective Date: 25th February 1971 Issued Date: 25th February 1971 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Leven **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	845	2	386210 402530

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Factory Ln/Waterloo St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0073 Permit Version: 3 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 27th March 2015 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	A8SE (S)	870	2	385480 402030
22	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Factory Ln/Waterloo St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0073 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	A8SE (S)	870	2	385480 402030
22	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Factory Ln/Waterloo St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0073 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	A8SE (S)	870	2	385480 402030
23	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Chuddleigh Road Cso Chudleigh Road, Rear Of 112 Herristone Road, Manchester, Greater Manchester, M8 4pn Authority: Environment Agency, North West Region Catchment Area: Irk Reference: 01MAN0140 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	A12SW (W)	886	2	384550 402830

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	**Discharge Consents** Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Charlstown Rd, Charlestown, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0124 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: Boggart Hole Brook **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A14NE (E)	992	2	386440 402980
25	**Integrated Pollution Prevention And Control** Name: Pennine Acute Hospitals Nhs Trust Location: North Manchester General Hospital, NORTH MANCHESTER GENERAL HOSPITAL,Delaunays Road, ,, Manchester, M8 5RB Authority: Environment Agency, North West Region Permit Reference: QP3209BD Original Permit Ref: Qp3209bd Effective Date: Not Supplied **Status: Valid** Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 25A (a) Activity Description: New Medium Combustion Plant Primary Activity: Y	A7NE (SW)	757	2	384880 402381
26	**Local Authority Pollution Prevention and Controls** Name: Blackley Service Station Location: 976 Rochdale Road, Blackley, MANCHESTER, Lancashire, M9 7EP Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/011/06 Dated: 18th June 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorised** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	449	3	385858 403107
27	**Local Authority Pollution Prevention and Controls** Name: Save Service Station (Blackley) Location: Slack Road, Blackley, MANCHESTER, Lancashire, M9 3AW Authority: Manchester City Council, Environmental Health Department Permit Reference: PFS/32/98/02 Dated: 16th December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorisation revoked** Positional Accuracy: Automatically positioned to the address	A8NE (S)	495	3	385513 402410
28	**Local Authority Pollution Prevention and Controls** Name: Belden Communications Division Location: Delaunays Road, Blackley, Manchester, Lancashire, M9 8fp Authority: Manchester City Council, Environmental Health Department Permit Reference: 68/94 Dated: 11th March 1994 Process Type: Local Authority Air Pollution Control Description: PG6/23 Coating of metal and plastic **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	A12NW (W)	712	3	384723 402997
29	**Local Authority Pollution Prevention and Controls** Name: North Manchester General Hospital Location: Central Drive, Crumpsall, MANCHESTER, Lancashire, M8 5RN Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/15/92 Dated: 25th January 1995 Process Type: Local Authority Pollution Prevention and Control Description: PG5/1Clinical waste incineration processes under 1 tonne an hour **Status: Authorisation revoked** Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	820	3	384931 402250
	Nearest Surface Water Feature	A13SW (W)	72	-	385361 402895

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Pollution Found Incident Date: 9th February 1996 Incident Reference: 96610259 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	A13SE (SE)	113	2	385500 402800
31	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Combined Sewer Overflow Location: COLLYHURST Authority: Environment Agency, North West Region Pollutant: Sewage - Storm Overflow Note: River Irk; Crude Sewage Incident Date: 14th August 1997 Incident Reference: 97611530 Catchment Area: Irk Receiving Water: Freshwater Stream/River Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	799	2	385400 402100
32	**Pollution Incidents to Controlled Waters** Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Storm Sewage Note: Boggart Hole Cloug Incident Date: 20th May 1995 Incident Reference: 95611173 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: High Flow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	815	2	386000 402300
33	**Registered Radioactive Substances** Name: Its Testing Services (Uk) Limited Location: Po Box 42, Hexagon House, Blackley, Manchester, M9 8ZS Authority: Environment Agency, North West Region Permit Reference: Bz1820 Dated: Not Supplied Process Type: Not Supplied Description: Not Supplied **Status: Authorisation certificate surrendered by operator** Positional Accuracy: Manually positioned within the geographical locality	A13NW (W)	48	2	385384 402929
33	**Registered Radioactive Substances** Name: Its Testing Services (Uk) Limited Location: Po Box 42,Hexagon House,, Manchester, M9 8ZS Authority: Environment Agency, North West Region Permit Reference: Bz1846 Dated: Not Supplied Process Type: Not Supplied Description: Not Supplied **Status: Authorisation certificate surrendered by operator** Positional Accuracy: Manually positioned within the geographical locality	A13NW (W)	48	2	385384 402929
34	**Registered Radioactive Substances** Name: Zeneca Specialities Location: Hexagon House, Blackley, MANCHESTER, Greater Manchester, M9 8ZS Authority: Environment Agency, North West Region Permit Reference: AQ7437 Dated: 16th March 1995 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation either revoked or cancelled** Positional Accuracy: Manually positioned to the address or location	A13SW (W)	300	2	385137 402848

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	**Registered Radioactive Substances** Name: Avecia Ltd Location: Po Box 42, Hexagon House, Manchester, M9 8zs Authority: Environment Agency, North West Region Permit Reference: Bw6116 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation either revoked or cancelled** Positional Accuracy: Manually positioned to the address or location	A13SW (W)	310	2	385125 402861
34	**Registered Radioactive Substances** Name: Avecia Ltd Location: PO Box 42, Hexagon House, Blackely, MANCHESTER, M9 8ZS Authority: Environment Agency, North West Region Permit Reference: BG4372 Dated: 15th July 1999 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 either revoked or cancelled** Positional Accuracy: Manually positioned to the address or location	A13SW (W)	317	2	385120 402850
34	**Registered Radioactive Substances** Name: Avecia Ltd Location: Hexagon House, Blackely, MANCHESTER, M9 8ZS Authority: Environment Agency, North West Region Permit Reference: BG4399 Dated: 15th July 1999 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	A13SW (W)	317	2	385120 402845
35	**Registered Radioactive Substances** Name: Zeneca Specialities Location: Hexagon Site, Blackley, MANCHESTER, M9 3DA Authority: Environment Agency, North West Region Permit Reference: AV2269 Dated: 21st January 1997 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Minor variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation either revoked or cancelled** Positional Accuracy: Manually positioned to the road within the address or location	A7NE (SW)	503	2	385056 402565
36	**Registered Radioactive Substances** Name: Pennine Acute Hospitals Nhs Trust Location: North Manchester General Hospital, Delaunays Road, Crumpsall, MANCHESTER, Lancashire, M8 5RB Authority: Environment Agency, North West Region Permit Reference: AU4967 Dated: 13th May 1996 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Initial variation to an authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Unknown	A7NE (SW)	729	2	384905 402395
36	**Registered Radioactive Substances** Name: Pennine Acute Hospitals Nhs Trust Location: Delaunays Road, Manchester, Lancashire, M8 5RB Authority: Environment Agency, North West Region Permit Reference: Br8492 Dated: 10th April 2002 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	756	2	384881 402381

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	**Registered Radioactive Substances** Name: Pennine Acute Hospitals Nhs Trust Location: Delaunays Road, Manchester, Lancashire, M8 5RB Authority: Environment Agency, North West Region Permit Reference: Br8476 Dated: 1st April 2002 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Minor variation to a 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	A7NE (SW)	756	2	384881 402381
36	**Registered Radioactive Substances** Name: Pennine Acute Hospitals Nhs Trust Location: North Manchester General Hospital, Delauneys Road, Crumpsall, MANCHESTER, M8 6RB Authority: Environment Agency, North West Region Permit Reference: AM9888 Dated: 27th July 1994 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status:** **Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	756	2	384881 402381
36	**Registered Radioactive Substances** Name: Pennine Acute Hospitals Nhs Trust Location: North Manchester General Hospital, Delauneys Road, Crumpsall, MANCHESTER, M8 6RB Authority: Environment Agency, North West Region Permit Reference: AA0701 Dated: 10th January 1992 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	A7NE (SW)	756	2	384881 402381
36	**Registered Radioactive Substances** Name: Pennine Acute Hospitals Nhs Trust Location: North Manchester General Hospital, Delauneys Road, Crumpsall, MANCHESTER, M8 6RB Authority: Environment Agency, North West Region Permit Reference: AM9896 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status:** **Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	756	2	384881 402381
36	**Registered Radioactive Substances** Name: The Pennine Acute Hospitals Nhs Trust Location: North Manchester General Hospital, Delaunays Road, Crumpsall, M8 5rb Authority: Environment Agency, North West Region Permit Reference: Bz9430 Dated: Not Supplied Process Type: Not Supplied Description: Not Supplied **Status:** **Application has been determined by the EA** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	757	2	384880 402381
36	**Registered Radioactive Substances** Name: The Pennine Acute Hospitals Nhs Trust Location: North Manchester General Hospital, Delaunays Road, Crumpsall, M8 5rb Authority: Environment Agency, North West Region Permit Reference: Bz9421 Dated: Not Supplied Process Type: Not Supplied Description: Not Supplied **Status:** **Application has been determined by the EA** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	757	2	384880 402381

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	**Registered Radioactive Substances** Name: North Manchester Healthcare Nhs Trust Location: North Manchester General Hospital, Central Drive, MANCHESTER, Greater Manchester, M8 5RN Authority: Environment Agency, North West Region Permit Reference: AB9631 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation either revoked or cancelled** Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	821	2	384936 402245
	River Quality Name: Irk GQA Grade: River Quality E Reach: Wince Bk To Moston Bk Estimated Distance (km): 10.3 Flow Rate: Flow less than 2.5 cumecs Flow Type: River Year: 2000	A13SW (W)	335	2	385117 402786
38	**Water Abstractions** Operator: Avecia Ltd Licence Number: 2569005012 Permit Version: 101 Location: Borehole At Blackley, Manchester 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): 1000 Yearly Rate (m3): 1000 Details: Licence Holders Land At Blackley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st July 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12SE (W)	432	2	385001 402901
39	**Water Abstractions** Operator: British Cables Company Limited Licence Number: 2569005044 Permit Version: 106 Location: 2 Boreholes At Blackley, Manchester Authority: Environment Agency, North West Region Abstraction: Metal: 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: Land & Premises At Blackley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th October 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NE (W)	542	2	384890 402950
39	**Water Abstractions** Operator: Bt Cables Limited Licence Number: 2569005044 Permit Version: 105 Location: 2 Boreholes At Blackley, Manchester Authority: Environment Agency, North West Region Abstraction: Metal: 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: Land & Premises At Blackley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th October 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NE (W)	542	2	384890 402950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	**Water Abstractions** Operator: Manchester Cables Ltd Licence Number: 2569005044 Permit Version: 104 Location: 2 Boreholes At Blackley, Manchester Authority: Environment Agency, North West Region Abstraction: Metal: 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: Land & Premises At Blackley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th May 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NE (W)	542	2	384890 402950
39	**Water Abstractions** Operator: Belden (Uk) Ltd Licence Number: 2569005044 Permit Version: 103 Location: 2 Boreholes At Blackley, Manchester Authority: Environment Agency, North West Region Abstraction: Metal: 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: Land & Premises At Blackley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th November 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NE (W)	542	2	384890 402950
39	**Water Abstractions** Operator: Belden (Uk) Ltd Licence Number: 2569005044 Permit Version: 102 Location: 2 Boreholes At Blackley, Manchester Authority: Environment Agency, North West Region Abstraction: Metal: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 909 Yearly Rate (m3): 318181 Details: Land & Premises At Blackley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 3rd April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NE (W)	542	2	384890 402950
40	**Water Abstractions** Operator: British Cables Company Limited Licence Number: 2569005044 Permit Version: 106 Location: Boreholes X 2 At Blackley Manchester Authority: Environment Agency, North West Region Abstraction: Metal: 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: Land & Premises At Blackley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th October 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NW (W)	824	2	384610 402990

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	**Water Abstractions** Operator: Bt Cables Limited Licence Number: 2569005044 Permit Version: 105 Location: Boreholes X 2 At Blackley Manchester Authority: Environment Agency, North West Region Abstraction: Metal: 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: Land & Premises At Blackley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th October 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NW (W)	824	2	384610 402990
40	**Water Abstractions** Operator: Manchester Cables Ltd Licence Number: 2569005044 Permit Version: 104 Location: Boreholes X 2 At Blackley Manchester Authority: Environment Agency, North West Region Abstraction: Metal: 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: Land & Premises At Blackley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th May 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NW (W)	824	2	384610 402990
40	**Water Abstractions** Operator: Belden (Uk) Ltd Licence Number: 2569005044 Permit Version: 103 Location: Boreholes X 2 At Blackley Manchester Authority: Environment Agency, North West Region Abstraction: Metal: 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: Land & Premises At Blackley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th November 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NW (W)	824	2	384610 402990
40	**Water Abstractions** Operator: Belden (Uk) Ltd Licence Number: 2569005044 Permit Version: 102 Location: 2 Boreholes At Blackley, Manchester $121 Authority: Environment Agency, North West Region Abstraction: Metal: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Land & Premises At Blackley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 3rd April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NW (W)	824	2	384610 402990

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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	A3SE (S)	1400	2	385500 401500
	Water Abstractions Operator: Oakbest Limited Licence Number: 2569005041 Permit Version: Not Supplied Location: Two Boreholes, Higher Blackley, MANCHESTER Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 1818 Yearly Rate (m3): 181840 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	A21NE (NW)	1960	2	384400 404595
	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: >550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	A13SW (SE)	0	4	385440 402914
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	A13SW (SE)	0	4	385440 402914
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (SE)	0	4	385440 402914
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	147	2	385562 402806
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	147	2	385562 402806
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (W)	215	2	385221 402865
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				